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RE: ARIZONA PUBLIC SERVICE COMPANY'S TESTIMONY AND ASSOCIATED WORKPAPERS IN THE MATTER OF THE GENERIC PROCEEDING CONCERNING ELECTRIC RESTRUCTURING ISSUES. DOCKET NO. E-00000A-02-0051, ET AL.

Dear Sir or Madam:

Pursuant to the Procedural Order dated October 9, 2002, Docket No. E-00000A-02-0051, et al., Arizona Public Service Company is hereby filing the direct testimony and associated workpapers of Mr. Peter M. Ewen and Mr. Thomas J. Carlson.

If you or your staff have any questions, please feel free to call me.

Sincerely,

*Jana Van Ness*

Jana Van Ness  
Manager  
Regulatory Compliance

Attachment

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**DIRECT TESTIMONY OF THOMAS J. CARLSON**

**On Behalf of Arizona Public Service Company**

**Docket No. E-00000A-02-0051, et al.**

**November 4, 2002**

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1 capacity and energy needs that cannot be met by the Company's existing  
2 generation and purchase power contracts, which I believe is the subject of Track  
3 B. I then discuss the potential acquisition through a separate but parallel process  
4 of what are presently classified as "reliability must-run" (RMR") needs of the  
5 Company. I also address competitive short-term purchases for both economic  
6 and reliability reasons that would fall outside the broader Track B procurement.  
7

8 I say "proposed" procurement plan not just because the Commission may  
9 require a different plan, but also to emphasize the evolving nature of the  
10 procurement process itself. APS has already made significant changes to the  
11 procurement proposal outlined in its July 2002 filing in the proceeding (and  
12 discussed during the workshops). No doubt further refinements will occur  
13 between now and the actual 2003 Track B procurement as a result of these  
14 proceedings and continued dialogue with Staff and other parties. However, our  
15 goals, and I believe those expressed by Commission Staff in its final report of  
16 October 25, 2002 ("Staff Report"), are unchanged—to acquire the unmet needs  
17 of APS customers in an economic and reliable manner through a fair and open  
18 process.  
19

20 II. SUMMARY

21 Q. **WOULD YOU PLEASE SUMMARIZE YOUR DIRECT TESTIMONY?**

22 A. APS's proposed plan calls for a multi-layered procurement effort. The first part  
23 will be a request for proposals ("RFP") to be issued no later than the end of  
24 February 2003 seeking three basic products:

- 25 (1) capacity only (the right to capacity at a fixed or floating price  
26

1 with no obligation to take energy) from a specific generator or  
2 group of generators;

3 (2) capacity plus some minimum level of energy taken from a specific  
4 generator or group of generators during specified months and  
5 hours; and

6 (3) physical "call" options having the same general characteristics  
7 as the first product except physical call options are usually  
8 exercised at specific fixed or "strike" prices.

9 Contract lengths will be as short as one quarter and as long as four years. The  
10 percent mix of the listed product types that APS will procure in the initial RFP  
11 will be determined by then-existing market conditions, credit quality,  
12 deliverability, and other relevant factors.

13  
14 The intent is to request bids for 100% of the unmet reliability needs for 2003,  
15 2004, 2005, and 2006 through this process. But APS may elect to acquire more  
16 or less than these amounts during any year or in total depending on the actual  
17 responses to this RFP and then existing or forecasted market conditions. APS  
18 could also reject all the bids if they do not satisfy the Company's needs or are  
19 unreasonable in terms of price, reliability, etc. To the extent that APS unmet  
20 needs cannot be economically and reliably met through the initial RFP, or as  
21 stated above, any part of such need goes "uncovered" in the initial RFP  
22 solicitation, those uncontracted and still unmet reliability needs would be  
23 addressed either by short-term market purchases (for 2003) or in a subsequent  
24 formal procurement. Such procurement would likely take place in early 2004,  
25 depending on the results of the RFP and may in 2004 switch to a descending  
26 clock auction process, which remains a long-term procurement option .

1 RMR needs from non-APS resources will be handled somewhat differently.  
2 APS will separately but concurrently solicit proposals for such needs. If a  
3 proposal is received that can demonstrate to the Company's satisfaction  
4 deliverability on reasonable terms within the Phoenix load constraint, APS will  
5 consider it on the same price, credit-worthiness, reliability of both supply and  
6 delivery, etc., criteria as will be applied to the more general Track B solicitation.  
7

8 Finally, short-term and economy purchases (e.g., balance of month, day ahead,  
9 and real time) would be made much as they are today, as is recommended in the  
10 Staff Report. Maximum flexibility in making these purchases has benefited and  
11 should continue to benefit APS customers. Short-term purchases have been a  
12 critical part of prudent power procurement for many decades and are necessary  
13 to match a changing market with changing load requirements. APS is studying  
14 an expanded role for independent brokers and/or electronic trading platforms to  
15 determine whether these or other steps are necessary for affiliate transactions,  
16 but will not unnecessarily burden the procurement process with red tape and  
17 prescriptive rules at the expense of customer benefits.  
18

19 A last part of my testimony, although intertwined with the rest, is a discussion  
20 of risk management. In other words, how will APS manage the risks of this  
21 Commission-ordered procurement to best protect its customers? This  
22 encompasses both the traditional risks of commodity availability and commodity  
23 price, and also the relatively new world of counter-party risk. It also addresses  
24 the risks newly created by the Track B process itself. Although it would be  
25 inappropriate to discuss in any detail APS risk management tools in a public  
26 forum involving prospective bidders, it is today evident that counter-party risk is

1 a dominant consideration in determining the length of power agreements in the  
2 current financial climate. Establishing strong credit requirements at the outset of  
3 the contract is a first line of defense. Periodic collateral call provisions are the  
4 next layer of credit protection, although they are of limited value when needed  
5 most. In a world where strong A-rated companies can fall all the way to junk  
6 status in a year or less, only resource diversity and/or shorter term transactions  
7 or some combination can provide that final layer of protection for our  
8 customers.

9  
10 III. THE RFP

11 **Q. WHY IS APS NOW PROPOSING A SIMPLIFIED RFP PROCESS FOR**  
12 **THE 2003 PROCUREMENT INSTEAD OF THE AUCTION PROCESS**  
13 **DISCUSSED IN ITS JULY 2002 COMMENTS AND DURING MUCH OF**  
14 **THE WORKSHOP?**

15 A. First of all, the July 2002 filing describing a descending clock auction process  
16 was intended to be a framework for further discussion, not a “take it or leave it”  
17 proposal. APS has been listening to the proponents of RFPs throughout the  
18 workshops and has taken some of their comments to heart. Although we are still  
19 concerned that the often highly subjective nature of the RFP process could lead  
20 to higher costs and more controversy, we propose to reduce that subjectivity by  
21 more narrowly defining the products to be solicited and by bidder pre-  
22 qualification.

23 Second, the nature of our needs has changed since July and even since the early  
24 workshops in Track B. At that time, the Company fully anticipated that it would  
25 be divesting all of its generation, with or without the proposed purchase power  
26 agreement (“Proposed PPA”) submitted to the Commission in the Fall of 2001.

1 In either event, APS needs would have been for a more standard, higher load  
2 factor energy product. With the requirement that APS keep its generation and  
3 competitively procure the needs that cannot be met from such resources, this  
4 means that the Company needs significantly more capacity than energy, and  
5 generally requires both only during limited times of the year and times of day.  
6 Dispatchable capacity and energy products, or their equivalent, become far more  
7 attractive, as do capacity reserves without any associated energy.

8  
9 Third, there is a timing element at work here. Back in July, APS indicated the  
10 need to begin the acquisition process some five to six months before delivery.  
11 This means a significant acceleration of the Staff-proposed schedule even  
12 assuming a new proposed delivery date beginning with the third quarter ("Q3")  
13 of 2003. Formal auctions require considerable up front lead-time for retaining an  
14 outside auction administrator, for software development, and for testing and  
15 training on the part both of prospective bidders and utility personnel.

16  
17 Fourth, the process suggested by Staff in the Staff Report is not particularly  
18 conducive to an auction. Auctions work best when there is up-front agreement  
19 on the process and the understanding that because regulators have pre-approved  
20 the structure of the auction, they will accept the results of the auction by  
21 providing adequate assurances of full cost recovery by the purchasing utility.  
22 Alternatively, the utility can be given full authority to conduct an auction free  
23 from contemporaneous direct regulatory involvement, excepting for the usual  
24 prudence review in subsequent rate proceedings. The Staff Report's proposal  
25 does neither.

26

1 This does not mean that APS has given up on the auction process. Indeed, if  
2 permitted by the Commission as a result of this Track B proceeding, the  
3 Company is very much interested in exploring such an auction process for its  
4 2004 procurement of all or portions of any remaining unmet need for years after  
5 2003 that is not acquired through the 2003 RFP.

6  
7 **Q. COULD YOU PLEASE DESCRIBE THE PRODUCTS APS WOULD  
SEEK IN THIS RFP?**

8 A. Yes. As I mentioned earlier, our most critical need in the next several years is  
9 for capacity. We also require limited amounts of energy during peak periods.  
10 Therefore we will seek bids in minimum 25 MW blocks for just capacity and  
11 also for similar blocks of capacity with minimum energy purchases during the  
12 months of July through September of each year from the hours of HE0700  
13 through HE2200, seven days a week. APS will require capacity-only offers to  
14 be firm with reserves. Capacity with energy offers may be either firm or  
15 contingent during the months and hours described above. In the case of the  
16 latter, the prospective seller may either firm up the proposal with its own  
17 reserves or APS will add the expected cost of reserves to the offer to make it  
18 comparable with firm power.

19  
20 In addition to firm blocks of energy, APS will seek physical call options in the  
21 RFP process. Physical call options are rights to purchase a specific amount of  
22 capacity and energy at a predetermined "strike" price for a specified period of  
23 time. For example, if APS owned a \$50/MW daily physical call option on  
24 75MW of "6 x 16" power for July through September 2003, APS would have a  
25 daily option to purchase for the following day power at the agreed upon strike  
26 price of \$50/MWH for the 16 hour on-peak period. The power provided is

1 physically firm and not unit contingent. Although physical call options do exist  
2 that are dispatchable (that is, the buyer does not have to take the entire block of  
3 energy at the strike price, but rather only what is actually needed), these carry a  
4 premium for dispatchability, and the market is thinner than for the more  
5 standard "6 x 16" product.

6 **Q. AT WHAT DELIVERY POINTS WILL APS ACCEPT DELIVERY OF**  
7 **POWER PROCURED UNDER THIS RFP?**

8 A. That will be finalized when the deliverability analysis discussed on page 15 of  
9 the Staff Report is completed. However, it appears the following delivery points,  
10 subject to existing or forecast constraints, can be utilized: Palo Verde, Navajo,  
11 Mead, North Gila, Liberty, Pinnacle Peak, Westwing, Jojoba, Four Corners, Gila  
12 Bend, and Kyrene. And, as I discussed earlier, entities that can demonstrate  
13 deliverability to a suitable point of delivery within the Phoenix load constraint  
14 may also bid for non-APS RMR needs.

15 **Q. WILL THE COMPANY BE SEEKING ANY ANCILLARY SERVICES IN**  
16 **THE 2003 RFP?**

17 A. Other than reserves, the answer is no. APS will provide ancillary services. This  
18 may change in the future as either a viable market for such services is developed  
19 in Arizona or because WestConnect or a similar entity assumes the role of  
20 ancillary service provider within the APS service territory.

21 **Q. WHAT IS THE PROCUREMENT HORIZON FOR THE 2003 RFP AS**  
22 **YOU HAVE DESCRIBED IT IN YOUR TESTIMONY?**

23 A. For both the reasons described in our July 2002 filing and the present credit  
24 crisis in the industry; we are looking at up to a four-year procurement. That is,  
25 we will accept proposals for as short as one quarter and up to four years.  
26

1 As noted last July, the establishment and operation of a RTO may expand the  
2 number of potential bidders in the Arizona market by facilitating access to  
3 Arizona by out of state and even out of region suppliers. FERC's proposed  
4 Standard Market Design is another wild card that may affect both the price and  
5 availability of transmission for one set of potential bidders *vis-a-vis* others.

6  
7 Counter-party credit problems, which I discuss later in my testimony, have  
8 dramatically affected the term of power acquisition transactions. The credit  
9 quality of its sellers is obviously important to the buyer in case of seller default.  
10 But that does not mean you only assure yourself of such credit quality after a  
11 default has occurred. That would be like worrying about fire insurance after the  
12 fire has started. Moreover, it is not just the seller's credit when the deal is inked  
13 that must concern the buyer, but what that credit will be during the term of the  
14 transaction. Historically, most deals, whether multi-year or day-ahead, were  
15 with other utilities. Even with the advent of merchant traders and producers,  
16 most had credit equal to or greater than some utilities. Times have dramatically  
17 changed in the past 24 months. Many counter-parties are experiencing severe  
18 credit problems. Credit downgrades have been frequent and widespread. Some  
19 counter-parties such as Enron have disappeared altogether. As such, APS has  
20 established credit criteria that allow transactions to occur while minimizing the  
21 reliability and financial risk to APS and its customers. These criteria determine  
22 whether APS can, for example, do a multi-year deal for a particular seller, while  
23 another may be extended credit only for day-ahead sales.

24  
25 **Q. HOW MUCH CAPACITY AND ENERGY WOULD APS SOLICIT FOR**  
26 **THE YEARS 2003 THROUGH 2006 VIA THIS PROPOSED RFP?**

1 A. All the unmet capacity and energy needs shown on Mr. Ewen's Schedule PME-  
2 1. As indicated in my SUMMARY, the non-APS RMR amounts shown for these  
3 years would be solicited simultaneously by a separate RFP. In the case of the  
4 latter, the prospective seller will have to demonstrate to the Company's  
5 satisfaction that it has or can acquire firm transmission rights over non-APS  
6 transmission to a delivery point within the Phoenix load constraint or that it  
7 owns or controls generation within that constrained area.

8  
9 Although APS will accept proposals for all or a portion of the entire estimated  
10 unmet reliability needs for these years, that does not necessarily mean APS will  
11 execute contracts covering 100% of such needs. Consistent with the Staff  
12 Report, APS would reserve the right to reject any and all offers, even for 2003,  
13 if they are unacceptable in terms of price and reliability. See Staff Report at 16.  
14 This will be discussed more in the RISK MANAGEMENT section of my  
15 testimony.

16  
17 **Q. WHAT WILL YOU DO IF YOU DO NOT ACCEPT SUFFICIENT BIDS  
18 TO COVER ALL YOU UNMET NEEDS FOR 2004 THROUGH 2006?**

19 A. Such needs would be addressed in a subsequent competitive procurement or  
20 procurements. Also, as a new load and energy forecast is made in 2003, the  
21 amount of forecasted unmet reliability needs could increase or decrease for these  
22 subsequent years. In any event, APS would likely either repeat the RFP process  
23 or move to an auction such as was described in the July filing using, however,  
24 the energy products then appropriate for APS, which are likely to remain  
25 capacity intensive and energy light for the immediately foreseeable future. As is  
26 indicated in the Staff Report at page 40, we would need to review how the 2003

1 solicitation worked before finalizing plans for subsequent competitive  
2 solicitations.

3  
4 **Q. WHAT WOULD APS DO IF THERE ARE NOT ENOUGH ACCEPTABLE  
5 OFFERS FOR EVEN THE COMPANY'S 2003 UNMET RELIABILITY  
6 NEEDS?**

7  
8 A. Given the short time between the end of this Track B proceeding and Q3 of  
9 2003, I do not even like to think of that possibility. However, should that  
10 happen, the solicitation would fail. See Staff Report at 33. In such a situation,  
11 APS would work closely with Staff, the independent monitor, and bidders to  
12 determine why the solicitation had failed and whether a second formal  
13 solicitation was possible for 2003. If not, APS would propose to use the same  
14 process as it would otherwise use for short-term purchases from the competitive  
15 wholesale market—a process discussed later in my testimony.

16  
17 **Q. HAS APS DEVELOPED ALL THE DETAILS SURROUNDING THE  
18 PROPOSED RFP?**

19  
20 A. No, but APS intends to follow the description of solicitation materials discussed  
21 in the Staff Report beginning on page 17. Thus, most of the details as to pre-  
22 qualification, form of contract, the time for responses to the RFP and the time  
23 bids will remain open, the handling of preferred versus secondary delivery  
24 points for purposes of bid evaluation, bid fees, etc., will be part of the bid  
25 package. The most recent Procedural Order in this proceeding greatly  
26 accelerated the time for submitting even this level of detail concerning the  
Company's procurement plan as compared to anything that had been discussed  
in the workshops or contained within either the draft or final Staff Report. APS  
has attempted to comply with this unexpected filing mandate to the best of its  
ability within the time permitted.

1 IV. SHORT-TERM PROCUREMENTS

2 **Q. WILL EITHER THE 2003 RFP OR THE POSSIBLE AUCTION IN 2004**  
3 **AND BEYOND, IF SUCCESSFUL, RESULT IN THE ACQUISITION OF**  
4 **THE PRECISE AMOUNT OF ALL APS PURCHASE POWER UNMET**  
5 **NEEDS FOR 2003 THROUGH 2006?**

6 A. Only under the most implausibly fortuitous circumstances would this be the  
7 case. We are talking here about forecasted unmet needs, and the one thing we all  
8 know about forecasts is that they will be "off" by some amount. The weather  
9 will be hotter or cooler than forecast. Population influx will be more or less than  
10 forecast. APS generating units will experience more or less forced outages.  
11 Planned outages will be shortened, lengthened, postponed or accelerated.  
12 Perhaps the biggest unknown is the degree to which retail access cuts into our  
13 forecasted demand and energy.

14 I could go on, but I think I have made my point. APS will continuously make  
15 short-term purchases to cover short positions and sell existing resources to  
16 liquidate long positions. Even when resources are acquired well in advance,  
17 there is a constant re-evaluation of their continued appropriateness from both a  
18 need and cost perspective. APS also routinely makes economy purchases (i.e.,  
19 purchases of energy that are made when it is less expensive to buy short-term  
20 power from the market than it would be to continue generating power using  
21 APS-owned generation) on a balance of month, day-ahead, and/or real-time  
22 basis. None of these purchases can be reasonably planned years in advance and  
23 even the ability to predict them given a specified load forecast involves  
24 numerous unknown variables. And as is the case with those resources acquired  
25 to meet capacity and energy reliability needs, these short-term economy  
26

1 purchases are continually managed right up to the moment of expected use to  
2 produce the best results for our customers.

3  
4 **Q. HOW WOULD APS GO ABOUT MAKING SUCH PURCHASES?**

5 A. As indicated in the Staff Report, APS would continue to make such purchases in  
6 the ordinary course of business as it does today. See Staff Report at 4. In the  
7 specific case of economic purchases, these are cost-driven. Presently, most of  
8 our load demand is met with baseload nuclear and coal fired generation. For  
9 APS and much of the West, the marginal generating resource is gas-fired. APS  
10 can either purchase gas to run in one of its own units or purchase gas-fired  
11 generation. If APS can generate electricity at a lower cost than the then  
12 anticipated market price of power, we normally secure forward gas (gas  
13 purchased today for delivery at some future date) to meet that anticipated  
14 economy energy need. Conversely, if forward purchase power (power purchased  
15 today for delivery at some future date) costs were lower, we would normally  
16 secure forward power and reduce forward gas purchases. Even after this initial  
17 decision is made (gas versus purchase power), we continually monitor market  
18 conditions, and our initial gas or power position may be liquidated and replaced  
19 with its alternative many times until the time of anticipated use by APS to serve  
20 customers.

21 At present, APS secures economy and other short-term purchases through the  
22 following process. Forward markets for energy are presented to APS daily in a  
23 myriad of ways, including direct contact with counter-parties, use of brokers,  
24 and access with online trading systems. Each day, APS reviews its current  
25 position and the value of the forward energy market and determines whether or  
26

1 not to procure economy or other short-term energy. Factors such as weather,  
2 load, credit, plant outages, natural gas prices (spot and future), and product type  
3 all impact the procurement process. Economy purchases are driven primarily by  
4 price and credit. Other short term and real time purchases are driven more by  
5 price and reliability.

6  
7 A few new procedures are being studied and may be added regarding affiliate  
8 transactions. APS is looking at the practicality of securing short-term purchases  
9 (30 days or less) from independent brokers and the use of "blind" (i.e., the  
10 identity of specific pre-qualified sellers in not known to the buyer) electronic  
11 trading platforms such as ICE and Bloomberg. APS already uses such devices  
12 for some short-term purchases today and will consider expanding their use or  
13 consider yet other process changes for affiliate transactions if they increase the  
14 efficiency and transparency of its short-term purchasing practices and if they do  
15 not compromise the ultimate goal of producing maximum consumer benefits.  
16 And, in situations when there are unanticipated and immediate threats to  
17 reliability, APS will do what is necessary when it is necessary to address that  
18 threat.

19  
20 V. RISK MANAGEMENT

21 **Q. PLEASE IDENTIFY THE TYPES OF RISK WHICH APS AND ITS**  
22 **CUSTOMERS ARE FACED WITH BECAUSE OF THIS TRACK B**  
23 **PROCUREMENT?**

24 A. Any restriction on the Company's ability to procure its power needs limits its  
25 flexibility and increases risk. For example, waiting until March of 2003 to  
26 acquire Q3 of 2003 reliability needs increases price risk since windows of  
opportunity between now and March would be foreclosed by this process. APS

1 is addressing this risk by entering into appropriate hedges this fall and winter.  
2 Such hedges have historically been used and will continue to be used to mitigate  
3 price and commodity risk. This will not reduce the amounts of capacity and  
4 energy potentially secured through the RFP, but it will protect the Company and  
5 its customers from price increases between now and April 2003, Predefining the  
6 products to be procured is necessary for an manageable RFP process given  
7 schedule envisioned by the Staff Report, but it may increase the risk that a  
8 different but adaptable product might have produced a lower cost. Dictating that  
9 a specified amount of the defined products must be acquired increases both price  
10 risk (if sellers know you have to buy, the price will be higher) and volume risk  
11 (purchased too much or too little). Being required to acquire the product in a  
12 single solicitation carries with it the same increased risk. Perhaps the largest risk  
13 is that the process will compromise the Company's ability to insist on credit-  
14 worthiness both at the outset and through the term of any purchase agreement. I  
15 would also add that some risks in the Track B process outlined in the Staff  
16 report likewise affect potential sellers, and they will expect additional  
17 compensation to assume these risks.

18 **Q. WHY NOT COMMIT TO BUYING ALL YOUR FORECAST NEEDS**  
19 **FOR 2003 THROUGH 2006 THROUGH THE PROPOSED 2003 RFP?**

20 A. It would be imprudent to make such a commitment in advance of the bidding,  
21 though it may not be imprudent to actually acquire all such needs. My goal is to  
22 meet APS customer needs for reliable and economic power as efficiently as  
23 possible—period. I cannot fulfill that mission unless I have the flexibility to say  
24 “no.” As long as I have the power to say no, I have options, which means I have  
25 leverage in the negotiation with suppliers to serve those APS customer needs. If  
26 I am required to make a specific level of purchases regardless of price or credit-

1           worthiness, either current or forecast, I lose that power and leverage, and  
2           customers get either more costly or less reliable service or both.

3  
4       **Q.    WITHOUT GIVING OUT ANY TRADE SECRETS, HOW DO YOU GO**  
5       **ABOUT PUTTING TOGETHER A BALANCED PORTFOLIO OF**  
6       **PRODUCTS BOTH AS TO TERM AND PRICE?**

7       A.    You study the market (both present and future), weigh credit considerations,  
8           evaluate regulatory risk, and factor in the inherent uncertainty of any load  
9           forecast. There is no magic formula, and if there were, I would not disclose it to  
10          potential suppliers in this public forum. That would be the same as giving up my  
11          power to say no, which is something no prudent buyer would ever surrender.  
12          But I can say that I will assemble the best portfolio of the three product types  
13          solicited, with diversity of terms (lengths) and of the various resources standing  
14          behind those products, as is possible given the bids received, the nature of our  
15          unmet needs, then-prevailing market conditions and other relevant factors. The  
16          goal is to bring incremental reliability and cost value to APS customers. And in  
17          doing so, I am mindful that the best hedge our customers have in this entire  
18          process in the broad portfolio of the Company's existing capacity and energy  
19          resources, a hedge I intend to use to maximize that value.

20       VI.    CONCLUSION

21       **Q.    DO YOU HAVE ANY CONCLUDING REMARKS?**

22       A.    Yes. In my testimony, I have introduced the Company's current thinking on  
23           Track B procurement. It is largely premised both on Mr. Ewen's needs  
24           assessment and the Staff Report. Although a riskier and potentially more costly  
25           proposal than the Company's existing procurement strategy, it is consistent with  
26           the Commission's orders to date and still preserves significant flexibility, the

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most important aspect of which is the ability to reject any or all bids received as a result of this process.

**Q. DOES THAT CONCLUDE YOUR PREFILED DIRECT TESTIMONY IN THIS PROCEEDING?**

A. Yes, it does.

WORKPAPERS

Peter M. Ewen

November 4, 2002

# APS Energy and Peak Demand Assumptions and Forecasts

## Economic and Demographic Projections

### MACRO-COUNTY

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
Prior Period Population (000s)	2,227	2,287	2,355	2,444	2,551	2,664	2,779	2,890	2,995	3,097	3,196	3,300	3,404	3,509	3,614	3,720	3,826	3,932	4,038	4,145	4,252	4,359
Migration Rate (net migrants/1,000 population)	16.44	19.85	28.24	33.88	34.54	33.33	30.08	26.12	23.91	21.15	21.90	21.21	20.56	19.95	19.37	18.82	18.03	17.55	17.09	16.41	15.99	15.99
Net Natural Increase Rate (net birth - death/1,000 population)	10.78	9.57	9.64	9.78	9.96	9.95	9.86	10.03	10.25	10.75	10.64	10.30	10.28	9.97	9.96	9.68	9.67	9.41	9.41	9.41	9.17	9.17
Net Migration (000s)	37	45	67	83	88	89	84	76	72	66	70	70	70	70	70	70	69	69	69	68	68	68
Net Natural Increase (000s)	24	22	23	24	25	27	27	29	31	33	34	34	35	35	36	36	37	37	38	39	39	39
Total Population Growth (000s)	61	67	89	107	114	115	111	105	102	99	104	104	105	105	106	106	106	106	107	107	107	107
Total Resident Population (000s)	2,287	2,355	2,444	2,551	2,664	2,779	2,890	2,995	3,097	3,196	3,300	3,404	3,509	3,614	3,720	3,826	3,932	4,038	4,145	4,252	4,359	4,466
Avg. Household Rates (% of population heading a household)	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	38%	38%	38%	39%	39%	39%	39%	40%	40%	40%	40%
Total Number of Households (000s)	849	873	904	941	981	1,022	1,060	1,097	1,133	1,181	1,231	1,281	1,332	1,382	1,434	1,485	1,536	1,587	1,639	1,690	1,742	1,793
Total Resident Population (000s)	2,287	2,355	2,444	2,551	2,664	2,779	2,890	2,995	3,097	3,196	3,300	3,404	3,509	3,614	3,720	3,826	3,932	4,038	4,145	4,252	4,359	4,466
Average Labor Force Participation Rates																						
Men																						
Women																						
Total	48%	48%	50%	50%	52%	50%	50%	50%	49%	48%	48%	48%	46%	46%	47%	47%	47%	47%	47%	48%	48%	48%
Labor Force (000s)	1,109	1,124	1,226	1,348	1,381	1,377	1,440	1,511	1,503	1,559	1,621	1,704	1,763	1,819	1,878	1,934	1,991	2,049	2,101	2,161	2,215	2,270
Unemployment Rate	6.5%	5.0%	4.7%	3.4%	3.6%	3.0%	2.7%	3.0%	2.6%	3.8%	5.5%	4.7%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Total Employed (000s)	1,037	1,067	1,189	1,302	1,331	1,366	1,401	1,486	1,464	1,500	1,532	1,624	1,702	1,755	1,812	1,866	1,921	1,977	2,027	2,085	2,137	2,199
Household Survey to Establishment Survey Adjustment	4.5%	2.9%	5.3%	8.7%	4.4%	-0.6%	-1.3%	1.3%	-5.2%	-3.8%	-1.8%	0.3%	-0.3%	-2.5%	-3.7%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%
Total Nonfarm Payroll Employment (000s)	990	1,036	1,106	1,189	1,273	1,344	1,419	1,487	1,541	1,557	1,567	1,619	1,707	1,769	1,878	1,959	2,017	2,076	2,128	2,189	2,244	2,299
Employment Growth	1.2%	4.6%	6.8%	7.4%	7.0%	5.6%	5.6%	4.8%	3.6%	1.1%	0.6%	4.0%	5.4%	4.4%	4.3%	4.3%	3.0%	2.9%	2.5%	2.9%	2.5%	2.5%
Trade, FIRE, Service Employment (000s)	609	641	692	746	806	862	905	957	995	1,007	1,012	1,057	1,120	1,186	1,244	1,303	1,348	1,394	1,436	1,483	1,527	1,572
Square Feet per Employee (Trade, FIRE, & Service Industries)																						
Office	62.87	59.76	55.35	51.35	47.38	45.45	44.16	46.82	47.77	51.04	53.57	51.66	49.12	47.83	47.99	47.87	48.94	48.81	49.13	48.45	49.77	51.30
Retail	115.51	111.43	106.72	101.45	96.66	95.32	94.61	92.49	91.98	96.16	97.21	95.88	92.75	90.71	90.92	90.41	91.11	91.80	92.50	92.50	92.50	92.50
Total	178.38	171.19	162.07	152.80	144.04	140.76	138.77	139.31	139.75	147.19	150.78	147.54	141.87	138.54	138.81	138.28	139.44	140.61	141.63	141.95	142.27	142.27
Commercial Floorspace (in million square feet)																						
Office	38.3	38.3	38.3	38.3	38.3	39.2	40.0	44.8	47.5	51.4	54.2	54.6	55.0	56.7	59.7	62.4	65.2	68.0	70.5	73.4	76.0	78.6
Retail	70.3	71.4	73.8	75.6	78.1	82.1	85.6	88.5	91.5	96.9	98.4	101.4	103.9	107.6	113.0	117.8	122.8	128.0	132.8	137.2	141.3	145.9
Total	108.6	109.7	112.1	113.9	116.4	121.3	125.6	133.4	139.0	148.3	152.6	156.0	158.9	164.3	172.6	180.2	188.0	196.0	203.3	210.6	217.3	224.5

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APS Energy and Peak Demand Assumptions and Forecasts

Economic and Demographic Projections

**PIMA COUNTY**  
 Prior Period Population (000s)  
 Migration Rate (net migrants/1,000 population)  
 Net Natural Increase Rate (net birth - death/1,000 population)  
 Net Migration (000s)  
 Net Natural Increase (000s)  
 Total Population Growth (000s)  
 Total Resident Population (000s)  
 Avg. Household Rates (% of population heading a household)  
 Total Number of Households (000s)

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Prior Period Population (000s)	709	746	766	785	800	815	832	848	869	887	905	923	942	961	980	999	1,018	1,037	1,056
Migration Rate (net migrants/1,000 population)	14.14	21.73	18.14	13.51	13.51	15.22	13.35	18.05	14.97	14.66	14.36	15.17	14.86	14.57	14.29	14.01	13.75	13.50	14.20
Net Natural Increase Rate (net birth - death/1,000 population)	8.22	6.17	5.74	5.61	5.38	5.65	5.89	6.49	5.76	5.64	5.52	5.42	5.31	5.20	5.10	5.01	4.91	4.82	4.73
Net Migration (000s)	10	16	14	11	11	12	11	15	13	13	13	14	14	14	14	14	14	14	15
Net Natural Increase (000s)	6	5	4	4	4	4	5	6	5	5	5	5	5	5	5	5	5	5	5
Total Population Growth (000s)	16	21	18	15	15	17	16	21	18	18	18	19	19	19	19	19	19	19	20
Total Resident Population (000s)	709	746	766	785	800	815	832	848	869	887	905	923	942	961	980	999	1,018	1,037	1,056
Avg. Household Rates (% of population heading a household)	39%	39%	39%	39%	39%	39%	39%	39%	40%	40%	40%	40%	40%	41%	41%	41%	41%	41%	41%
Total Number of Households (000s)	274	289	298	312	318	326	332	343	352	360	369	378	388	397	406	416	425	434	444

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Resident Population (000s)	709	746	766	785	800	815	832	848	869	887	905	923	942	961	980	999	1,018	1,037	1,056
Average Labor Force Participation Rates																			
Men																			
Women																			
Total	46%	50%	47%	45%	45%	46%	45%	46%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%
Labor Force (000s)	326	384	373	363	369	385	384	398	403	421	430	440	450	460	469	479	488	498	508
Unemployment Rate	5.5%	4.0%	3.8%	3.3%	2.7%	3.1%	2.8%	3.3%	4.3%	4.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Total Employed (000s)	308	344	358	351	359	373	373	385	386	402	415	425	434	444	453	462	471	480	488
Household Survey to Establishment Survey Adjustment	14.2%	15.4%	14.3%	10.1%	9.7%	9.8%	6.2%	9.0%	9.8%	9.2%	9.2%	8.4%	7.7%	7.3%	7.2%	7.0%	6.9%	6.7%	6.4%
Total Nonfarm Payroll Employment (000s)	264	292	303	315	324	336	350	350	348	363	377	389	401	411	420	430	438	448	457
Employment Growth	2.4%	3.7%	1.5%	2.7%	2.8%	2.8%	4.0%	0.1%	-0.8%	1.5%	3.8%	3.2%	3.1%	2.6%	2.2%	2.2%	2.0%	2.2%	1.9%

APS Energy and Peak Demand Assumptions and Forecasts

Economic and Demographic Projections

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>BALANCE OF STATE</b>																					
Prior Period Population (000s)	827	959	991	1,024	1,062	1,096	1,128	1,159	1,191	1,224	1,259	1,292	1,325	1,358	1,391	1,424	1,457	1,489	1,521	1,553	1,585
Migration Rate (net migrants/1,000 population)	24.05	24.50	24.41	28.61	24.96	21.90	21.46	21.66	21.92	22.14	19.86	19.35	18.87	18.41	17.97	17.56	16.47	16.12	15.78	15.45	14.51
Net Natural Increase Rate (net birth - death/1,000 population)	10.35	9.18	8.67	7.91	7.35	6.93	6.12	5.96	6.13	6.45	6.35	6.19	6.04	5.89	5.75	5.62	5.49	5.37	5.26	5.15	5.05
Net Migration (000s)	22	24	24	29	27	24	24	25	26	27	25	25	25	25	25	25	24	24	24	24	24
Net Natural Increase (000s)	10	9	9	8	8	8	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8
Total Population Growth (000s)	32	32	33	37	34	32	31	32	33	35	33	33	33	33	33	33	32	32	32	32	32
Total Resident Population (000s)	959	991	1,024	1,062	1,096	1,128	1,159	1,191	1,224	1,259	1,292	1,325	1,358	1,391	1,424	1,457	1,489	1,521	1,553	1,585	1,617
Avg. Household Rates (% of population heading a household)	34%	34%	34%	35%	35%	35%	35%	35%	36%	36%	36%	37%	37%	37%	38%	38%	38%	38%	39%	39%	39%
Total Number of Households (000s)	325	339	352	368	382	396	409	422	436	453	470	485	502	519	535	551	567	583	599	615	630
Total Resident Population (000s)	959	991	1,024	1,062	1,096	1,128	1,159	1,191	1,224	1,259	1,292	1,325	1,358	1,391	1,424	1,457	1,489	1,521	1,553	1,585	1,617
Average Labor Force Participation Rates																					
Men	39%	38%	38%	42%	42%	39%	39%	39%	38%	37%	40%	42%	42%	42%	42%	42%	42%	42%	42%	42%	42%
Women	37%	37%	37%	43%	43%	44%	44%	46%	46%	46%	40%	36%	36%	36%	36%	36%	36%	36%	36%	37%	37%
Total	12.7%	12.2%	13.1%	11.5%	12.6%	11.0%	10.1%	10.2%	8.9%	9.1%	7.2%	9.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
Labor Force (000s)	369	382	372	406	456	442	446	463	460	463	514	515	529	543	557	570	584	596	609	623	633
Unemployment Rate	20.3%	17.4%	20.9%	25.0%	21.5%	17.8%	17.3%	18.4%	16.0%	14.8%	23.3%	20.0%	17.7%	15.8%	15.4%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
Household Survey to Establishment Survey Adjustment	262	274	294	304	313	325	332	340	352	359	366	375	382	411	424	436	447	456	466	477	484
Total Nonfarm Payroll Employment (000s)	311	325	332	340	352	366	382	396	411	424	436	447	456	466	477	484	496	509	521	533	546
Employment Growth	3.1%	4.5%	7.3%	3.4%	2.7%	4.0%	2.1%	2.4%	3.6%	1.8%	2.3%	1.6%	4.6%	4.8%	3.2%	2.8%	2.3%	2.2%	2.2%	2.2%	1.6%

APS Energy and Peak Demand Assumptions and Forecasts

Economic and Demographic Projections

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Prior Period Population (000s)	3,847	3,955	4,072	4,214	4,379	4,545	4,707	4,864	5,017	5,169	5,324	5,479	5,634	5,790	5,947	6,105	6,263	6,420	6,577	6,735	6,893
Migration Rate (net migrants/1,000 population)	17.86	20.53	25.88	30.45	29.35	27.15	25.20	23.23	21.69	20.87	20.29	19.71	19.17	18.33	18.33	17.85	17.08	16.67	16.27	15.74	15.38
Net Natural Increase Rate (net birth - death/1,000 population)	10.22	9.05	8.84	8.69	8.59	8.47	8.20	8.33	8.55	9.03	8.83	8.58	8.52	8.29	8.24	8.03	7.98	7.79	7.75	7.72	7.54
Net Migration (000s)	69	81	105	128	129	123	119	113	109	108	108	108	108	109	109	109	107	107	107	106	106
Net Natural Increase (000s)	39	36	36	37	38	39	39	41	43	47	47	47	48	48	49	49	50	50	51	52	52
Total Population Growth (000s)	108	117	141	165	166	162	157	154	152	155	155	155	156	157	158	158	157	157	158	158	158
Total Resident Population (000s)	3,955	4,072	4,214	4,379	4,545	4,707	4,864	5,017	5,169	5,324	5,479	5,634	5,790	5,947	6,105	6,263	6,420	6,577	6,735	6,893	7,051
Avg. Householder Rates	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	37%	38%	38%	38%	39%	39%	39%	39%	40%	40%	40%
Total Number of Households (000s)	1,448	1,483	1,546	1,608	1,669	1,729	1,788	1,845	1,901	1,976	2,052	2,127	2,203	2,279	2,356	2,433	2,509	2,586	2,662	2,739	2,816
Total Resident Population (000s)	3,955	4,072	4,214	4,379	4,545	4,707	4,864	5,017	5,169	5,324	5,479	5,634	5,790	5,947	6,105	6,263	6,420	6,577	6,735	6,893	7,051
Average Labor Force Participation Rates																					
Men																					
Women																					
Total																					
Labor Force (000s)	1,812	1,890	2,013	2,191	2,209	2,182	2,255	2,359	2,347	2,420	2,539	2,640	2,723	2,801	2,884	2,964	3,044	3,124	3,198	3,281	3,363
Unemployment Rate	7.6%	6.3%	6.4%	5.1%	5.5%	4.7%	4.2%	4.4%	3.9%	4.7%	5.7%	5.5%	4.8%	4.8%	4.6%	4.6%	4.7%	4.7%	4.7%	4.8%	4.8%
Total Employed (000s)	1,674	1,715	1,885	2,080	2,088	2,060	2,161	2,255	2,256	2,306	2,395	2,494	2,593	2,688	2,747	2,823	2,899	2,976	3,046	3,126	3,195
Household Survey to Establishment Survey Adjustment	9.4%	7.6%	10.2%	13.7%	9.4%	4.6%	4.0%	4.1%	0.6%	1.7%	5.2%	5.5%	4.5%	2.6%	1.6%	0.6%	0.5%	0.4%	0.4%	0.4%	0.3%
Total Nonfarm Payroll Employment (000s)	1,517	1,584	1,692	1,798	1,892	1,985	2,075	2,163	2,243	2,286	2,271	2,357	2,476	2,599	2,703	2,807	2,884	2,962	3,033	3,114	3,185
Employment Growth	1.7%	4.4%	6.8%	6.1%	5.4%	4.9%	4.5%	4.3%	3.7%	1.0%	0.2%	3.8%	5.0%	5.0%	3.9%	2.8%	2.7%	2.4%	2.7%	2.7%	2.3%

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APS Energy and Peak Demand Assumptions and Forecasts

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>ENERGY AND PEAK BY CLASS</b>																					
<b>Residential</b>																					
MARICOPA COUNTY																					
APS Market Share	43%	43%	43%	43%	43%	44%	44%	44%	45%	45%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%	44%
APS Residential Customers (000s)	364	375	390	406	424	445	465	487	506	528	546	567	589	611	634	657	680	702	725	746	766
PIMA COUNTY																					
APS Market Share	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APS Residential Customers (000s)																					
<b>BALANCE OF STATE</b>																					
APS Market Share	57%	56%	56%	56%	55%	55%	55%	55%	55%	55%	55%	54%	54%	53%	53%	53%	53%	53%	53%	53%	53%
APS Residential Customers (000s)	186	191	197	205	212	218	225	233	241	248	256	262	269	277	286	294	303	311	320	326	331
ARIZONA																					
APS Market Share	38%	38%	38%	38%	38%	38%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%	39%
Customers (average)	549,778	565,791	586,866	610,505	636,239	663,493	689,873	719,774	749,286	776,339	801,934	829,166	858,099	888,176	919,733	951,004	982,387	1,013,823	1,045,252	1,077,383	1,097,096
Usage (kWh/customer)	11,035	11,041	11,712	11,818	11,853	12,013	12,047	12,191	13,053	13,312	13,345	13,488	13,442	13,598	13,733	13,812	13,884	13,960	14,065	14,107	14,107
Sales (GWh)	6,067	6,247	6,873	7,249	7,541	7,970	8,311	8,775	9,781	10,335	10,702	10,935	11,535	12,077	12,631	13,135	13,639	14,153	14,701	15,085	15,477
Annual Load Factor	46%	46%	46%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%
Peak Demand (mW)	1,505	1,416	1,218	1,547	1,808	1,740	2,076	2,183	2,256	2,614	2,769	2,599	2,743	2,874	3,007	3,127	3,247	3,370	3,500	3,591	3,685
<b>Business (excluding Mines)</b>																					
MARICOPA COUNTY																					
APS Market Share	67%	67%	67%	67%	67%	67%	67%	67%	67%	68%	68%	68%	68%	68%	68%	68%	68%	68%	68%	68%	68%
Office	40%	42%	41%	42%	42%	42%	41%	42%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%	41%
Retail																					
APS Territory Floorspace (in million square feet)	25.8	25.8	25.8	25.8	25.8	26.2	27.0	30.1	31.9	35.0	36.8	37.1	37.4	38.5	40.5	42.3	44.1	46.1	47.7	49.6	51.4
Office	28.1	29.7	30.6	32.1	33.2	34.6	36.9	37.7	39.6	40.3	41.5	42.6	44.1	46.4	48.4	50.5	52.7	54.7	56.6	58.3	60.2
Retail	53.9	55.5	56.4	57.8	59.0	60.8	62.1	67.0	69.6	74.6	77.1	78.6	79.9	82.6	86.9	90.7	94.7	98.7	102.4	106.2	109.7
Total	154	152	158	158	165	166	166	162	170	164	162	166	172	172	170	170	170	170	171	171	171
Energy Intensity (kWh/sqft)	8,273	8,438	8,986	9,187	9,762	10,109	10,324	10,864	11,813	12,193	12,488	13,059	13,713	14,246	14,788	15,410	16,097	16,804	17,485	18,143	18,780
Sales (GWh)	70%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%	69%
Annual Load Factor	1,185	1,563	1,720	1,759	1,782	1,901	1,863	1,699	2,193	2,228	2,339	2,444	2,539	2,665	2,753	2,870	2,997	3,135	3,281	3,409	3,506
Peak Demand (mW)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Customers (average)	1,504	1,491	1,491	1,515	1,518	1,538	1,536	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533	1,533
Sales (GWh)	166	180	167	168	173	176	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174
Peak Demand (mW)	962	903	893	880	836	810	747	798	412	366	350	350	345	342	340	330	320	310	300	291	283
Customers (average)	123,218	123,922	148,197	135,886	145,664	138,720	113,307	124,898	211,342	73,386	101,457	99,375	97,192	94,961	91,849	91,297	90,872	90,463	90,260	89,779	89,100
Usage (kWh/customer)	119	112	132	120	122	112	85	100	87	27	36	35	34	32	31	30	29	28	27	26	25
Sales (GWh)	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%	48%
Annual Load Factor	28	26	26	26	22	22	21	20	7	9	9	8	8	7	7	6	6	6	6	6	6
Peak Demand (mW)	760	758	765	775	830	857	890	917	934	1,013	1,013	1,014	1,048	1,079	1,113	1,154	1,194	1,235	1,275	1,309	1,343
Customers (average)	98,471	98,175	100,427	101,952	101,641	100,465	102,165	103,665	104,681	98,529	104,895	106,752	107,518	108,099	108,514	108,298	108,060	107,802	107,643	107,486	107,279
Usage (kWh/customer)	74	75	77	76	84	86	91	96	98	100	104	108	112	117	121	125	129	133	137	141	144
Sales (GWh)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Demand (mW)	1,757	1,432	1,193	1,433	1,490	1,468	1,410	1,422	1,610	495	331	205	207	209	211	213	215	217	220	222	224
Customers (average)	255	216	248	280	287	273	292	259	291	7	7	7	7	7	7	7	7	7	7	7	7
Peak Demand (mW)	6.7%	1,287	1,278	1,234	1,333	1,377	1,441	1,211	1,008	1,923	1,734	1,752	1,841	1,917	1,995	2,075	2,160	2,247	2,334	2,408	2,482
Energy Losses % of Class Energy Sales	20.9%	11.8%	24.7%	17.1%	12.4%	12.4%	14.6%	16.3%	10.4%	6.3%	6.3%	12.3%	12.9%	12.1%	12.2%	12.2%	12.2%	12.2%	12.2%	12.2%	12.2%
Demand Losses % of Class Peak Demands	657	401	835	644	503	509	647	690	638	508	327	626	687	677	709	737	767	800	834	862	885
Peak Demand (mW)	18,991	19,084	19,930	20,416	21,851	22,680	22,989	23,619	25,139	25,793	25,824	26,494	27,843	28,999	30,177	31,389	32,671	33,983	35,305	36,626	37,952
Energy (GWh)	57%	57%	54%	53%	55%	56%	52%	55%	52%	54%	54%	53%	53%	53%	53%	53%	53%	53%	53%	53%	53%
Annual Load Factor	3,796	3,802	4,214	4,420	4,575	4,609	5,072	4,935	5,478	5,405	5,466	5,723	6,023	6,270	6,522	6,787	7,064	7,357	7,667	7,915	8,128
Peak Demand (mW)																					

Traditional APS Wholesale (SFR)

Customers (average)

Energy Losses % of Class Energy Sales

Demand Losses % of Class Peak Demands

TOTAL OWN LOAD

Energy (GWh)

Annual Load Factor

Peak Demand (mW)

ARIZONA PUBLIC SERVICE COMPANY

2003 Budget

MONTHLY MWH SALES, MW LOADS, AND MWH LOSSES Excluding Citizens

2003

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total/Max
ACC Sales	1,909,986	1,757,867	1,674,396	1,633,396	1,811,754	2,179,934	2,579,997	2,672,578	2,564,444	2,149,415	1,766,507	1,836,721	24,536,997
FERC Sales	14,633	15,088	10,902	16,789	22,101	23,202	20,773	20,659	20,662	14,474	11,417	14,250	204,950
Total Sales	1,924,620	1,772,955	1,685,298	1,650,185	1,833,855	2,203,136	2,600,770	2,693,237	2,585,106	2,163,890	1,777,924	1,850,972	24,741,947
Use & Losses	53,483	3,251	93,808	163,981	460,836	310,270	352,216	340,969	-50,507	-130,523	-17,996	171,943	1,751,730
Own Load Energy	1,978,102	1,776,206	1,779,106	1,814,166	2,294,691	2,513,406	2,952,986	3,034,205	2,534,599	2,033,366	1,759,929	2,022,915	26,493,677
Peak	3,715	3,561	3,190	3,677	4,650	5,192	5,723	5,723	5,173	4,300	3,221	3,722	5,723
Load Factor %	72%	74%	75%	69%	66%	67%	69%	71%	68%	64%	76%	73%	53%
Loss Percent	3%	0%	6%	10%	25%	14%	14%	13%	-2%	-6%	-1%	9%	7%
Diff from Average	0%	0%	1%	1%	4%	1%	1%	1%	0%	0%	0%	1%	1%
Peak Percent	65%	62%	56%	64%	81%	91%	100%	100%	90%	75%	56%	65%	#N/A
Diff from Average	-1%	0%	-2%	-1%	0%	-1%	0%	0%	-2%	-1%	-1%	-1%	#N/A
Load Factor	72%	74%	75%	69%	66%	67%	69%	71%	68%	64%	76%	73%	53%
Diff from Average	0%	0%	-2%	-2%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%

ARIZONA PUBLIC SERVICE COMPANY

2003 Budget

MONTHLY MWH SALES, MW LOADS, AND MWH LOSSES Excluding Citizens

2004

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Annual Total/Max</u>
ACC Sales	2,007,773	1,854,799	1,760,869	1,715,098	1,902,269	2,294,646	2,712,701	2,813,638	2,697,618	2,254,660	1,852,779	1,926,894	25,793,742
FERC Sales	14,784	15,295	11,057	16,933	22,257	23,357	20,929	20,826	20,807	14,605	11,605	14,413	206,868
Total Sales	2,022,557	1,870,094	1,771,925	1,732,031	1,924,526	2,318,003	2,733,629	2,834,465	2,718,425	2,269,265	1,864,384	1,941,307	26,000,610
Use & Losses	56,200	3,427	98,609	172,117	483,644	326,406	370,185	358,772	-53,125	-136,871	-18,868	180,349	1,840,843
Own Load Energy	2,078,757	1,873,521	1,870,534	1,904,147	2,408,169	2,644,408	3,103,814	3,193,237	2,665,300	2,132,394	1,845,516	2,121,655	27,841,453
Peak	3,906	3,663	3,356	3,865	4,885	5,463	6,023	6,023	5,441	4,517	3,383	3,908	6,023
Load Factor %	72%	73%	75%	68%	66%	67%	69%	71%	68%	63%	76%	73%	53%
Loss Percent	3%	0%	6%	10%	25%	14%	14%	13%	-2%	-6%	-1%	9%	7%
Diff from Average	0%	0%	1%	1%	4%	1%	1%	1%	0%	0%	0%	1%	1%
Peak Percent	65%	61%	56%	64%	81%	91%	100%	100%	90%	75%	56%	65%	#N/A
Diff from Average	-1%	-2%	-2%	-1%	0%	-1%	0%	0%	-2%	-2%	-1%	-1%	#N/A
Load Factor	72%	73%	75%	68%	66%	67%	69%	71%	68%	63%	76%	73%	53%
Diff from Average	0%	-1%	-2%	-2%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%

ARIZONA PUBLIC SERVICE COMPANY

09/27/02

2003 Budget  
MONTHLY MWH SALES, MW LOADS, AND MWH LOSSES Excluding Citizens

2005

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	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Annual Total/Max</u>
ACC Sales	2,094,803	1,930,910	1,836,938	1,788,535	1,984,082	2,382,534	2,819,222	2,925,883	2,813,241	2,354,114	1,934,118	2,008,078	26,872,457
FERC Sales	14,932	15,448	11,167	17,102	22,480	23,591	21,138	21,035	21,015	14,751	11,721	14,557	208,936
Total Sales	2,109,735	1,946,358	1,848,105	1,805,637	2,006,561	2,406,125	2,840,359	2,946,918	2,834,257	2,368,865	1,945,838	2,022,634	27,081,394
Use & Losses	58,659	3,570	102,965	179,608	505,008	339,060	384,871	373,362	-55,318	-142,812	-19,671	188,058	1,917,363
Own Load Energy	2,168,395	1,949,929	1,951,070	1,985,246	2,511,570	2,745,185	3,225,231	3,320,280	2,778,938	2,226,053	1,926,168	2,210,692	28,998,756
Peak	4,072	3,907	3,497	4,026	5,091	5,678	6,269	6,269	5,669	4,708	3,526	4,071	6,269
Load Factor %	72%	74%	75%	68%	66%	67%	69%	71%	68%	64%	76%	73%	53%
Loss Percent	3%	0%	6%	10%	25%	14%	14%	13%	-2%	-6%	-1%	9%	7%
Diff from Average	0%	0%	1%	1%	4%	1%	1%	1%	0%	0%	0%	1%	1%
Peak Percent	65%	62%	56%	64%	81%	91%	100%	100%	90%	75%	56%	65%	#N/A
Diff from Average	-1%	0%	-2%	-1%	0%	-1%	0%	0%	-2%	-1%	-1%	-1%	#N/A
Load Factor	72%	74%	75%	68%	66%	67%	69%	71%	68%	64%	76%	73%	53%
Diff from Average	0%	0%	-2%	-2%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%

ARIZONA PUBLIC SERVICE COMPANY

2003 Budget

MONTHLY MWH SALES, MW LOADS, AND MWH LOSSES Excluding Citizens

2006

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total/Max
ACC Sales	2,180,766	2,008,652	1,910,178	1,859,143	2,064,526	2,481,993	2,938,261	3,048,114	2,927,847	2,448,817	2,011,838	2,091,188	27,971,324
FERC Sales	15,081	15,603	11,279	17,273	22,704	23,826	21,349	21,245	21,226	14,899	11,838	14,702	211,026
Total Sales	2,195,847	2,024,255	1,921,457	1,876,416	2,087,230	2,505,820	2,959,611	3,069,359	2,949,072	2,463,716	2,023,676	2,105,891	28,182,349
Use & Losses	61,038	3,713	107,020	186,613	525,070	353,033	400,942	388,747	-57,584	-148,553	-20,465	195,737	1,995,310
Own Load Energy	2,256,885	2,027,967	2,028,477	2,063,029	2,612,300	2,858,853	3,360,552	3,458,106	2,891,488	2,315,162	2,003,211	2,301,628	30,177,660
Peak	4,238	4,063	3,637	4,187	5,296	5,911	6,522	6,522	5,899	4,898	3,668	4,237	6,522
Load Factor %	72%	74%	75%	68%	66%	67%	69%	71%	68%	64%	76%	73%	53%
Loss Percent	3%	0%	6%	10%	25%	14%	14%	13%	-2%	-6%	-1%	9%	7%
Diff from Average	0%	0%	1%	1%	4%	1%	1%	1%	0%	0%	0%	1%	1%
Peak Percent	65%	62%	56%	64%	81%	91%	100%	100%	90%	75%	56%	65%	#N/A
Diff from Average	-1%	0%	-2%	-1%	0%	-1%	0%	0%	-2%	-1%	-1%	-1%	#N/A
Load Factor	72%	74%	75%	68%	66%	67%	69%	71%	68%	64%	76%	73%	53%
Diff from Average	0%	0%	-2%	-2%	0%	-1%	-1%	-1%	-1%	-1%	-1%	-1%	-1%







**ARIZONA PUBLIC SERVICE COMPANY**  
**2003 Budget**  
**MONTHLY MWH SALES, MW LOADS, AND MWH LOSSES Excluding Citizens**

	2010												Annual
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total/Max
ACC Sales	2,553,213	2,351,926	2,236,163	2,177,232	2,418,210	2,906,748	3,440,213	3,568,716	3,428,013	2,866,781	2,355,167	2,448,368	32,750,750
FERC Sales	15,694	16,236	11,737	17,975	23,626	24,794	22,216	22,108	22,087	15,504	12,319	15,299	219,594
Total Sales	2,568,907	2,368,162	2,247,900	2,195,207	2,441,837	2,931,542	3,462,429	3,590,823	3,450,100	2,882,285	2,367,486	2,463,667	32,970,345
Use & Losses	71,408	4,343	125,202	218,317	614,276	413,011	469,059	454,792	-67,367	-173,792	-23,942	228,992	2,334,300
Own Load Energy	2,640,315	2,372,506	2,373,102	2,413,524	3,056,113	3,344,553	3,931,488	4,045,615	3,382,733	2,708,493	2,343,544	2,692,659	35,304,645
Peak	4,982	4,776	4,275	4,921	6,225	6,948	7,667	7,667	6,934	5,757	4,312	4,981	7,667
Load Factor %	71%	74%	75%	68%	66%	67%	69%	71%	68%	63%	75%	73%	53%
Loss Percent	3%	0%	6%	10%	25%	14%	14%	13%	-2%	-6%	-1%	9%	7%
Diff from Average	0%	0%	1%	1%	4%	1%	1%	1%	0%	0%	0%	1%	1%
Peak Percent	65%	62%	56%	64%	81%	91%	100%	100%	90%	75%	56%	65%	#N/A
Diff from Average	-1%	0%	-2%	-1%	0%	-1%	0%	0%	-2%	-1%	-1%	-1%	#N/A
Load Factor	71%	74%	75%	68%	66%	67%	69%	71%	68%	63%	75%	73%	53%
Diff from Average	-1%	0%	-2%	-3%	0%	-1%	-1%	-1%	-1%	-1%	-2%	-1%	-1%

ARIZONA PUBLIC SERVICE COMPANY

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10/22/02

2003 Budget  
MONTHLY MWH SALES, MW LOADS, AND MWH LOSSES Excluding Citizens

2011

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Annual Total/Max</u>
ACC Sales	2,634,581	2,426,918	2,307,383	2,246,718	2,495,466	2,999,533	3,549,872	3,682,450	3,537,281	2,958,096	2,430,177	2,526,400	33,794,875
FERC Sales	15,851	16,399	11,854	18,154	23,863	25,042	22,438	22,329	22,308	15,659	12,442	15,452	221,790
Total Sales	2,650,432	2,443,317	2,319,237	2,264,872	2,519,329	3,024,575	3,572,310	3,704,779	3,559,590	2,973,755	2,442,618	2,541,853	34,016,666
Use & Losses	73,674	4,481	129,175	225,246	633,771	426,118	483,945	469,225	-69,505	-179,307	-24,702	236,259	2,408,380
Own Load Energy	2,724,106	2,447,798	2,448,413	2,490,118	3,153,100	3,450,693	4,056,255	4,174,004	3,490,084	2,794,448	2,417,917	2,778,111	36,425,046
Peak	5,142	4,930	4,412	5,080	6,425	7,172	7,914	7,914	7,157	5,943	4,451	5,141	7,914
Load Factor %	71%	74%	75%	68%	66%	67%	69%	71%	68%	63%	75%	73%	53%
Loss Percent	3%	0%	6%	10%	25%	14%	14%	13%	-2%	-6%	-1%	9%	7%
Diff from Average	0%	0%	1%	1%	4%	1%	1%	1%	0%	0%	0%	1%	1%
Peak Percent	65%	62%	56%	64%	81%	91%	100%	100%	90%	75%	56%	65%	#N/A
Diff from Average	-1%	0%	-2%	-1%	0%	-1%	0%	0%	-2%	-1%	-1%	-1%	#N/A
Load Factor	71%	74%	75%	68%	66%	67%	69%	71%	68%	63%	75%	73%	53%
Diff from Average	-1%	0%	-3%	-3%	0%	-1%	-1%	-1%	-1%	-1%	-2%	-1%	-1%



# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
01/01/03	2.271	2.220	2.201	2.230	2.272	2.394	2.553	2.743	2.813	2.788	2.723	2.621	2.531	2.430	2.367	2.327	2.387	2.568	2.790	2.843	2.795	2.716	2.532	2.330
01/02/03	2.270	2.235	2.198	2.235	2.331	2.650	3.039	3.228	3.152	3.001	2.898	2.814	2.720	2.688	2.624	2.606	2.618	2.785	3.009	3.015	2.978	2.879	2.658	2.411
01/03/03	2.295	2.257	2.248	2.283	2.417	2.658	3.102	3.315	3.221	3.080	2.968	2.818	2.739	2.692	2.600	2.572	2.604	2.695	2.922	2.933	2.859	2.825	2.677	2.479
01/04/03	2.368	2.296	2.296	2.320	2.376	2.508	2.721	2.942	3.020	2.983	2.879	2.741	2.640	2.535	2.461	2.421	2.450	2.613	2.853	2.848	2.794	2.714	2.587	2.417
01/05/03	2.374	2.327	2.310	2.348	2.396	2.520	2.690	2.898	2.974	2.942	2.861	2.740	2.639	2.526	2.455	2.411	2.476	2.672	2.912	2.961	2.915	2.826	2.632	2.419
01/06/03	2.357	2.303	2.329	2.363	2.511	2.797	3.246	3.487	3.400	3.259	3.119	2.949	2.843	2.795	2.696	2.712	2.731	2.925	3.205	3.179	3.160	3.039	2.794	2.548
01/07/03	2.469	2.447	2.414	2.463	2.570	2.924	3.334	3.544	3.441	3.245	3.087	2.962	2.830	2.780	2.694	2.674	2.700	2.923	3.197	3.188	3.159	3.066	2.844	2.588
01/08/03	2.662	2.636	2.585	2.624	2.721	3.090	3.516	3.715	3.598	3.378	3.206	3.056	2.904	2.855	2.760	2.742	2.788	3.072	3.383	3.364	3.349	3.280	3.051	2.795
01/09/03	2.607	2.576	2.527	2.569	2.666	3.025	3.440	3.633	3.534	3.312	3.141	2.999	2.852	2.802	2.710	2.690	2.729	3.004	3.314	3.301	3.284	3.210	2.985	2.731
01/10/03	2.556	2.526	2.520	2.572	2.726	2.971	3.427	3.686	3.582	3.392	3.220	3.018	2.891	2.815	2.689	2.657	2.717	2.897	3.163	3.138	3.059	3.040	2.899	2.686
01/11/03	2.472	2.401	2.406	2.436	2.501	2.635	2.860	3.100	3.186	3.132	3.004	2.840	2.721	2.662	2.517	2.501	2.501	2.700	2.960	2.926	2.871	2.795	2.672	2.506
01/12/03	2.387	2.341	2.324	2.363	2.413	2.537	2.708	2.919	2.995	2.963	2.880	2.757	2.654	2.539	2.468	2.423	2.489	2.688	2.930	2.978	2.933	2.842	2.648	2.433
01/13/03	2.321	2.268	2.291	2.324	2.469	2.755	3.200	3.437	3.350	3.212	3.076	2.914	2.812	2.767	2.671	2.685	2.699	2.882	3.157	3.139	3.120	3.001	2.756	2.511
01/14/03	2.289	2.257	2.220	2.256	2.354	2.628	3.015	3.201	3.124	2.984	2.885	2.803	2.712	2.681	2.619	2.604	2.620	2.778	2.996	3.002	2.964	2.864	2.644	2.398
01/15/03	2.255	2.221	2.185	2.217	2.312	2.628	3.015	3.201	3.124	2.984	2.885	2.803	2.712	2.681	2.619	2.604	2.620	2.778	2.996	3.002	2.964	2.864	2.644	2.398
01/16/03	2.270	2.235	2.198	2.235	2.331	2.650	3.039	3.228	3.152	3.001	2.898	2.814	2.720	2.688	2.624	2.606	2.618	2.785	3.009	3.015	2.978	2.879	2.658	2.411
01/17/03	2.264	2.224	2.214	2.245	2.377	2.673	3.053	3.257	3.167	3.036	2.933	2.792	2.722	2.680	2.592	2.566	2.594	2.674	2.859	2.771	2.786	2.731	2.646	2.451
01/18/03	2.267	2.193	2.186	2.202	2.249	2.440	2.613	2.683	2.672	2.628	2.552	2.483	2.400	2.346	2.346	2.309	2.363	2.527	2.727	2.727	2.780	2.647	2.463	2.265
01/19/03	2.200	2.144	2.122	2.146	2.183	2.294	2.440	2.613	2.683	2.672	2.628	2.552	2.483	2.400	2.346	2.309	2.363	2.527	2.727	2.727	2.780	2.647	2.463	2.265
01/20/03	2.229	2.176	2.156	2.185	2.225	2.343	2.497	2.675	2.744	2.728	2.671	2.562	2.482	2.397	2.340	2.302	2.359	2.531	2.740	2.793	2.744	2.665	2.482	2.287
01/21/03	2.161	2.121	2.079	2.105	2.191	2.485	2.854	3.025	2.969	2.862	2.789	2.728	2.656	2.635	2.583	2.571	2.589	2.723	2.919	2.930	2.888	2.785	2.567	2.324
01/22/03	2.174	2.135	2.096	2.121	2.209	2.505	2.877	3.050	2.990	2.878	2.803	2.740	2.664	2.642	2.589	2.576	2.589	2.723	2.919	2.930	2.888	2.785	2.567	2.324
01/23/03	2.165	2.124	2.084	2.111	2.198	2.492	2.862	3.035	2.979	2.864	2.793	2.732	2.659	2.638	2.586	2.570	2.579	2.713	2.909	2.922	2.880	2.778	2.558	2.316
01/24/03	2.184	2.138	2.124	2.147	2.269	2.498	2.915	3.094	3.021	2.917	2.841	2.727	2.677	2.648	2.573	2.551	2.573	2.627	2.814	2.843	2.769	2.627	2.575	2.375
01/25/03	2.210	2.153	2.123	2.161	2.214	2.397	2.694	2.878	2.908	2.852	2.773	2.665	2.626	2.550	2.481	2.481	2.517	2.723	2.919	2.883	2.788	2.726	2.568	2.346
01/26/03	1.970	1.929	1.906	1.923	1.949	2.056	2.192	2.304	2.371	2.380	2.320	2.253	2.188	2.107	2.036	2.022	2.029	2.162	2.380	2.523	2.465	2.354	2.186	1.976
01/27/03	1.974	1.933	1.893	1.915	2.024	2.256	2.611	2.737	2.743	2.704	2.653	2.604	2.535	2.451	2.397	2.360	2.414	2.578	2.794	2.839	2.761	2.644	2.401	2.147
01/28/03	1.967	1.913	1.875	1.924	2.040	2.290	2.668	2.808	2.816	2.767	2.704	2.653	2.584	2.500	2.446	2.409	2.454	2.623	2.829	2.903	2.828	2.758	2.548	2.306
01/29/03	2.032	1.959	1.943	1.963	2.051	2.292	2.644	2.794	2.751	2.704	2.690	2.669	2.649	2.631	2.630	2.637	2.629	2.668	2.810	2.843	2.755	2.633	2.397	2.154
01/30/03	2.177	2.131	2.105	2.149	2.227	2.491	2.884	3.103	3.029	2.904	2.825	2.764	2.701	2.668	2.650	2.650	2.625	2.727	2.902	2.940	2.884	2.761	2.548	2.306
01/31/03	2.188	2.142	2.129	2.153	2.275	2.504	2.923	3.170	3.029	2.904	2.826	2.764	2.701	2.668	2.650	2.650	2.625	2.727	2.902	2.940	2.884	2.761	2.548	2.306
02/01/03	2.232	2.155	2.141	2.149	2.187	2.300	2.470	2.645	2.736	2.761	2.724	2.648	2.588	2.511	2.458	2.430	2.457	2.573	2.759	2.773	2.717	2.627	2.491	2.317
02/02/03	2.256	2.201	2.180	2.204	2.241	2.352	2.498	2.670	2.739	2.727	2.682	2.604	2.535	2.451	2.397	2.360	2.414	2.578	2.777	2.830	2.778	2.699	2.516	2.320
02/03/03	2.206	2.156	2.163	2.189	2.314	2.587	2.996	3.192	3.117	3.022	2.929	2.813	2.746	2.654	2.649	2.654	2.654	2.792	3.025	3.033	3.006	2.892	2.645	2.405
02/04/03	2.231	2.299	2.263	2.298	2.394	2.714	3.101	3.289	3.210	3.063	2.954	2.866	2.771	2.738	2.673	2.658	2.674	2.839	3.063	3.067	3.032	2.932	2.716	2.470
02/05/03	2.360	2.329	2.295	2.332	2.430	2.753	3.143	3.335	3.251	3.095	2.981	2.888	2.786	2.750	2.682	2.666	2.684	2.858	3.089	3.091	3.056	2.959	2.741	2.494
02/06/03	2.413	2.384	2.351	2.394	2.496	2.829	3.233	3.425	3.336	3.159	3.030	2.927	2.815	2.774	2.700	2.680	2.697	2.870	3.138	3.138	3.105	3.011	2.790	2.542
02/07/03	2.445	2.419	2.418	2.467	2.613	2.861	3.319	3.561	3.455	3.291	3.150	2.974	2.871	2.808	2.700	2.665	2.706	2.830	3.076	3.066	2.988	2.955	2.809	2.609
02/08/03	2.578	2.505	2.545	2.545	2.612	2.743	2.964	3.207	3.300	3.249	3.121	2.952	2.829	2.705	2.616	2.568	2.600	2.818	3.077	3.028	2.975	2.900	2.777	2.613
02/09/03	2.411	2.365	2.347	2.384	2.431	2.553	2.720	2.925	2.999	2.968	2.889	2.772	2.672	2.562	2.493	2.449	2.513	2.706	2.880	2.906	2.833	2.794	2.645	2.447
02/10/03	2.359	2.307	2.329	2.361	2.504	2.787	3.226	3.459	3.374	3.238	3.105	2.946	2.847	2.803	2.710	2.723	2.736	2.914	3.184	3.169	3.150	3.032	2.790	2.547
02/11/03	2.273	2.237	2.198	2.229	2.321	2.627	3.006	3.185	3.116	2.988	2.897	2.822	2.738	2.711	2.653	2.640	2.654	2.801	3.008	3.016	2.978	2.877	2.661	2.418
02/12/03	2.332	2.300	2.265	2.299	2.395	2.714	3.100	3.289	3.208	3.060	2.954	2.867	2.771	2.738	2.673	2.657	2.675	2.840	3.063	3.067	3.031	2.933	2.715	2.470
02/13/03	2.256	2.218	2.179	2.210	2.300	2.602	2.977	3.155	3.091	2.962	2.878	2.809	2.728	2.704	2.647	2.631	2.641	2.786	2.991	3.001	2.962	2.862	2.644	2.402
02/14/03	2.259	2.214	2.202	2.228	2.351	2.581	3.002	3.108	2.996	2.913	2.791	2.735	2.703	2.685	2.624	2.602	2.625	2.685	2.880	2.906	2.833	2.794	2.645	2.447
02/15/03	2.248	2.170	2.159	2.170	2.198	2.324	2.498	2.677	2.766	2.783	2.740	2.660	2.595	2.516	2.462	2.432	2.460	2.579	2.769	2.785	2.729	2.641	2.505	2.331
02/16/03	2.219	2.163	2.139	2.160	2.194	2.304	2.440	2.604	2.675	2.671	2.636	2.554	2.508	2.431	2.380	2.346</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/03	2.083	2.031	2.003	2.038	2.086	2.252	2.523	2.689	2.716	2.666	2.594	2.496	2.460	2.391	2.329	2.329	2.361	2.549	2.727	2.694	2.608	2.551	2.408	2.207
03/02/03	2.066	2.042	2.020	2.043	2.082	2.203	2.371	2.529	2.600	2.555	2.471	2.366	2.285	2.230	2.164	2.127	2.174	2.317	2.566	2.571	2.540	2.551	2.408	2.070
03/03/03	1.906	1.904	1.904	1.934	2.018	2.252	2.655	2.803	2.761	2.668	2.635	2.561	2.519	2.505	2.477	2.464	2.476	2.562	2.686	2.714	2.652	2.549	2.331	2.108
03/04/03	2.052	2.011	1.987	2.026	2.096	2.337	2.694	2.862	2.815	2.716	2.642	2.585	2.528	2.498	2.481	2.447	2.465	2.554	2.712	2.745	2.694	2.580	2.389	2.169
03/05/03	2.029	1.992	1.955	1.976	2.054	2.317	2.649	2.803	2.753	2.660	2.599	2.546	2.482	2.464	2.418	2.406	2.418	2.533	2.705	2.717	2.678	2.583	2.385	2.166
03/06/03	2.059	2.023	1.986	2.013	2.094	2.365	2.706	2.865	2.811	2.700	2.630	2.570	2.501	2.480	2.416	2.416	2.431	2.552	2.735	2.745	2.708	2.616	2.415	2.195
03/07/03	2.028	1.983	1.969	1.987	2.093	2.296	2.665	2.819	2.760	2.678	2.620	2.528	2.490	2.469	2.406	2.406	2.426	2.546	2.603	2.632	2.564	2.522	2.383	2.200
03/08/03	2.117	2.049	2.041	2.055	2.095	2.206	2.377	2.552	2.627	2.627	2.570	2.481	2.412	2.333	2.279	2.249	2.275	2.392	2.580	2.595	2.545	2.466	2.345	2.185
03/09/03	2.189	2.144	2.128	2.159	2.200	2.310	2.460	2.641	2.707	2.681	2.614	2.428	2.332	2.271	2.228	2.228	2.289	2.469	2.669	2.715	2.672	2.594	2.421	2.233
03/10/03	2.092	2.069	2.102	2.150	2.293	2.571	2.978	3.190	3.107	2.997	2.890	2.762	2.682	2.644	2.563	2.557	2.549	2.673	2.885	2.879	2.846	2.730	2.493	2.260
03/11/03	2.069	2.035	1.998	2.024	2.106	2.381	2.724	2.883	2.826	2.718	2.642	2.579	2.507	2.485	2.434	2.423	2.435	2.562	2.746	2.754	2.718	2.624	2.426	2.205
03/12/03	2.059	2.024	1.988	2.012	2.093	2.364	2.704	2.863	2.806	2.701	2.631	2.571	2.501	2.479	2.430	2.418	2.447	2.554	2.735	2.745	2.707	2.613	2.415	2.194
03/13/03	2.049	2.012	1.975	2.000	2.080	2.349	2.687	2.845	2.793	2.686	2.619	2.562	2.494	2.475	2.427	2.412	2.421	2.545	2.725	2.736	2.698	2.605	2.405	2.185
03/14/03	2.179	2.141	2.127	2.167	2.244	2.480	2.844	2.984	2.931	2.824	2.752	2.689	2.620	2.552	2.489	2.475	2.465	2.554	2.735	2.745	2.707	2.613	2.415	2.194
03/15/03	2.083	2.031	2.003	2.038	2.086	2.252	2.523	2.689	2.716	2.666	2.594	2.529	2.460	2.391	2.329	2.329	2.361	2.549	2.727	2.694	2.608	2.551	2.408	2.207
03/16/03	2.066	2.042	2.020	2.043	2.082	2.203	2.371	2.529	2.600	2.555	2.471	2.366	2.285	2.230	2.164	2.127	2.174	2.317	2.566	2.571	2.540	2.421	2.254	2.070
03/17/03	1.950	1.906	1.904	1.934	2.018	2.252	2.655	2.803	2.761	2.668	2.635	2.561	2.519	2.505	2.477	2.464	2.476	2.562	2.686	2.714	2.652	2.549	2.331	2.108
03/18/03	2.052	2.011	1.987	2.026	2.096	2.337	2.694	2.862	2.815	2.716	2.642	2.585	2.528	2.498	2.481	2.447	2.465	2.554	2.735	2.745	2.694	2.580	2.389	2.169
03/19/03	1.919	1.853	1.839	1.857	1.938	2.157	2.478	2.614	2.574	2.529	2.516	2.496	2.477	2.460	2.459	2.465	2.457	2.494	2.623	2.655	2.574	2.464	2.250	2.030
03/20/03	1.919	1.852	1.837	1.858	1.939	2.158	2.480	2.616	2.579	2.528	2.515	2.496	2.477	2.461	2.459	2.463	2.451	2.491	2.623	2.655	2.575	2.466	2.250	2.030
03/21/03	2.179	2.141	2.127	2.167	2.244	2.480	2.844	2.984	2.931	2.824	2.752	2.689	2.620	2.552	2.489	2.475	2.465	2.554	2.735	2.745	2.694	2.580	2.389	2.169
03/22/03	1.903	1.864	1.837	1.867	1.947	2.194	2.448	2.584	2.536	2.469	2.459	2.433	2.431	2.396	2.396	2.417	2.434	2.472	2.550	2.596	2.519	2.417	2.258	2.083
03/23/03	1.864	1.827	1.806	1.822	1.845	1.943	2.067	2.168	2.229	2.237	2.191	2.121	2.061	1.988	1.923	1.910	1.916	2.037	2.235	2.366	2.313	2.212	2.060	1.870
03/24/03	1.875	1.843	1.801	1.819	1.917	2.122	2.439	2.560	2.578	2.563	2.567	2.532	2.539	2.536	2.540	2.547	2.548	2.598	2.672	2.707	2.636	2.525	2.294	2.057
03/25/03	1.936	1.865	1.847	1.864	1.942	2.157	2.472	2.612	2.582	2.548	2.541	2.528	2.516	2.506	2.510	2.522	2.515	2.543	2.660	2.687	2.608	2.493	2.274	2.050
03/26/03	1.972	1.893	1.870	1.882	1.956	2.158	2.460	2.609	2.598	2.581	2.593	2.595	2.596	2.613	2.630	2.633	2.630	2.642	2.734	2.754	2.675	2.554	2.333	2.089
03/27/03	1.943	1.870	1.851	1.868	1.946	2.158	2.471	2.613	2.589	2.552	2.550	2.541	2.531	2.523	2.530	2.540	2.535	2.559	2.673	2.700	2.621	2.507	2.283	2.057
03/28/03	2.064	1.998	1.976	1.964	1.997	2.155	2.459	2.615	2.661	2.680	2.712	2.769	2.816	2.856	2.856	2.868	2.837	2.813	2.802	2.727	2.615	2.411	2.214	2.010
03/29/03	1.990	1.934	1.886	1.882	1.890	1.992	2.119	2.249	2.371	2.437	2.459	2.433	2.431	2.396	2.396	2.417	2.434	2.472	2.550	2.596	2.519	2.417	2.258	2.083
03/30/03	1.959	1.899	1.856	1.854	1.856	1.915	2.000	2.112	2.218	2.290	2.316	2.328	2.330	2.335	2.330	2.364	2.380	2.451	2.547	2.580	2.580	2.443	2.247	2.018
03/31/03	1.935	1.893	1.834	1.845	1.938	2.125	2.426	2.566	2.622	2.646	2.687	2.730	2.760	2.794	2.824	2.828	2.846	2.861	2.880	2.880	2.677	2.420	2.160	1.610
04/01/03	2.096	2.007	1.975	1.982	2.053	2.244	2.534	2.695	2.707	2.711	2.739	2.759	2.774	2.789	2.819	2.850	2.850	2.844	2.909	2.919	2.841	2.710	2.465	2.220
04/02/03	2.133	2.037	2.004	2.004	2.075	2.250	2.529	2.699	2.727	2.746	2.762	2.850	2.850	2.865	2.895	2.915	2.925	2.939	2.982	2.983	2.905	2.769	2.514	2.261
04/03/03	2.047	1.967	1.944	1.959	2.030	2.239	2.546	2.696	2.685	2.659	2.669	2.670	2.669	2.685	2.701	2.693	2.711	2.759	2.809	2.831	2.752	2.632	2.399	2.165
04/04/03	2.019	1.971	1.963	1.967	2.020	2.216	2.550	2.685	2.678	2.645	2.630	2.629	2.595	2.601	2.597	2.584	2.586	2.595	2.650	2.669	2.601	2.518	2.347	2.170
04/05/03	1.939	1.909	1.894	1.911	1.946	2.082	2.253	2.375	2.449	2.446	2.385	2.379	2.200	2.093	2.040	2.011	2.022	2.130	2.312	2.392	2.322	2.258	2.142	2.010
04/06/03	1.962	1.919	1.893	1.904	1.923	2.012	2.127	2.231	2.303	2.327	2.298	2.247	2.204	2.147	2.097	2.096	2.105	2.214	2.389	2.457	2.346	2.182	1.981	1.811
04/07/03	2.029	1.978	1.977	1.995	2.095	2.325	2.670	2.825	2.780	2.733	2.681	2.600	2.558	2.543	2.490	2.494	2.494	2.598	2.787	2.793	2.759	2.649	2.427	2.213
04/08/03	2.227	2.196	2.163	2.195	2.284	2.579	2.936	3.109	3.037	2.902	2.802	2.722	2.634	2.604	2.544	2.530	2.545	2.697	2.903	2.907	2.874	2.782	2.582	2.355
04/09/03	2.091	2.053	2.015	2.035	2.110	2.370	2.700	2.852	2.807	2.719	2.663	2.614	2.553	2.536	2.492	2.481	2.492	2.603	2.772	2.785	2.745	2.648	2.450	2.230
04/10/03	2.066	2.024	1.985	2.005	2.077	2.328	2.651	2.799	2.763	2.681	2.633	2.590	2.534	2.521	2.479	2.466	2.473	2.580	2.745	2.761	2.718	2.623	2.423	2.205
04/11/03	1.990	1.947	1.943	1.951	2.008	2.215	2.557	2.686	2.666	2.620	2.592	2.577	2.534	2.530	2.515	2.497	2.497	2.619	2.793	2.833	2.800	2.683	2.493	2.198
04/12/03	1.987	1.946	1.918	1.927	1.951	2.073	2.227	2.352	2.445	2.469	2.440	2.408	2.208	2.208	2.200	2.213	2.293	2.433	2.500	2.428	2.349	2.215	2.065	1.810
04/13/03	2.146	2.122	2.100	2.122	2.162	2.284	2.453	2.612	2.683	2.639	2.554	2.448	2.367	2.311	2.245	2.208	2.255	2.399	2.649	2.655	2.624	2.503	2.335	2.150
04/14/03	1.971	1.936	1.888	1.904	2.001	2.201	2.515	2.643	2.674	2.672	2.688	2.665	2.684	2.692	2.706	2.722	2.723	2.817	2.948	2.975	2.874	2.740	2.491	2.241
04/15/03	2.132	2.091	2.067	2.105	2.176	2.419	2.779	2.947	2.900	2.801	2.726	2.669	2.611	2.581	2.564	2.530	2.548	2.638	2.797	2.820	2.779	2.664	2.472	2.250
04/16/03	2.079	1.994	1.966	1.975	2.046	2.241	2.536	2.697	2.692	2.716	2.730	2.739	2.748	2.774	2.801	2.800</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
05/01/03	2.568	2.352	2.281	2.268	2.325	2.474	2.727	2.974	3.102	3.204	3.340	3.456	3.543	3.622	3.721	3.807	3.815	3.733	3.684	3.634	3.532	3.351	3.009	2.681
05/02/03	2.505	2.458	2.410	2.368	2.370	2.484	2.790	3.019	3.171	3.286	3.411	3.578	3.646	3.770	3.869	3.908	3.943	3.854	3.701	3.621	3.515	3.340	3.039	2.786
05/03/03	2.295	2.210	2.131	2.111	2.098	2.191	2.305	2.462	2.640	2.769	2.861	2.890	2.948	2.958	2.998	3.056	3.079	3.072	3.086	3.110	3.011	2.869	2.654	2.425
05/04/03	2.306	2.210	2.133	2.110	2.086	2.112	2.171	2.311	2.482	2.752	2.856	2.946	3.012	3.067	3.155	3.175	3.203	3.244	3.205	3.244	3.184	2.988	2.721	2.420
05/05/03	2.221	2.160	2.067	2.068	2.168	2.353	2.674	2.855	2.971	3.048	3.144	3.188	3.284	3.357	3.431	3.493	3.502	3.486	3.431	3.422	3.332	3.168	2.843	2.519
05/06/03	2.206	2.104	2.067	2.073	2.151	2.362	2.683	2.866	2.886	2.896	2.933	3.037	3.076	3.076	3.076	3.076	3.076	3.065	3.130	3.139	3.051	2.902	2.625	2.347
05/07/03	2.193	2.094	2.060	2.067	2.146	2.359	2.684	2.865	2.877	2.880	2.914	2.936	2.952	2.967	3.001	3.035	3.036	3.036	3.103	3.115	3.026	2.881	2.606	2.331
05/08/03	2.172	2.091	2.057	2.067	2.147	2.360	2.686	2.868	2.882	2.878	2.911	2.933	2.949	2.965	2.998	3.029	3.025	3.024	3.100	3.113	3.025	2.881	2.605	2.330
05/09/03	2.197	2.113	2.095	2.090	2.138	2.336	2.686	2.858	2.881	2.874	2.884	2.924	2.948	2.948	2.948	2.948	2.953	2.938	2.953	2.958	2.767	2.555	2.345	
05/10/03	2.087	2.038	2.003	2.010	2.034	2.167	2.334	2.475	2.585	2.620	2.598	2.525	2.480	2.401	2.371	2.368	2.384	2.465	2.610	2.681	2.599	2.506	2.351	2.177
05/11/03	2.082	2.023	1.985	1.991	2.003	2.087	2.199	2.320	2.420	2.473	2.470	2.448	2.429	2.394	2.363	2.381	2.395	2.497	2.650	2.764	2.708	2.569	2.367	2.125
05/12/03	2.217	2.156	2.064	2.065	2.165	2.352	2.673	2.854	2.968	3.044	3.138	3.421	3.483	3.492	3.483	3.492	3.476	3.423	3.443	3.415	3.325	3.162	2.838	2.514
05/13/03	2.386	2.250	2.190	2.182	2.245	2.415	2.691	2.914	3.004	3.080	3.179	3.468	3.514	3.514	3.514	3.588	3.549	3.486	3.470	3.442	3.349	3.176	2.858	2.547
05/14/03	2.407	2.268	2.208	2.197	2.259	2.424	2.695	2.922	3.018	3.099	3.208	3.298	3.366	3.431	3.514	3.588	3.599	3.532	3.508	3.476	3.381	3.207	2.884	2.569
05/15/03	2.462	2.313	2.246	2.235	2.295	2.450	2.711	2.950	3.066	3.155	3.279	3.384	3.458	3.574	3.641	3.715	3.641	3.604	3.604	3.563	3.464	3.286	2.952	2.630
05/16/03	2.485	2.384	2.340	2.304	2.314	2.440	2.732	2.969	3.099	3.196	3.301	3.445	3.502	3.611	3.699	3.732	3.762	3.681	3.552	3.488	3.387	3.222	2.936	2.688
05/17/03	2.404	2.306	2.209	2.180	2.151	2.232	2.329	2.495	2.700	2.868	3.005	3.072	3.171	3.276	3.353	3.448	3.421	3.377	3.341	3.310	3.202	3.042	2.806	2.557
05/18/03	2.489	2.374	2.275	2.239	2.196	2.199	2.239	2.392	2.596	2.808	2.973	3.130	3.269	3.370	3.458	3.574	3.590	3.588	3.531	3.535	3.466	3.244	2.950	2.622
05/19/03	2.505	2.422	2.383	2.266	2.363	2.508	2.802	3.015	3.212	3.357	3.521	3.622	3.783	3.897	4.014	4.108	4.120	4.069	3.925	3.862	3.756	3.572	3.200	2.833
05/20/03	2.623	2.451	2.371	2.351	2.403	2.539	2.774	3.041	3.194	3.328	3.489	3.627	3.731	3.823	3.936	4.038	4.051	3.950	3.875	3.804	3.694	3.502	3.147	2.806
05/21/03	2.692	2.512	2.429	2.405	2.455	2.583	2.808	3.087	3.254	3.399	3.577	3.729	3.839	3.937	4.057	4.165	4.179	4.071	3.986	3.903	3.786	3.592	3.228	2.881
05/22/03	2.716	2.531	2.446	2.424	2.474	2.599	2.823	3.107	3.280	3.423	3.605	3.762	3.875	3.975	4.097	4.204	4.213	4.107	4.022	3.936	3.818	3.623	3.256	2.907
05/23/03	2.748	2.630	2.577	2.524	2.511	2.602	2.903	3.156	3.347	3.497	3.655	3.869	3.955	4.103	4.219	4.268	4.312	4.215	4.025	3.913	3.793	3.604	3.274	3.013
05/24/03	2.616	2.502	2.378	2.336	2.382	2.351	2.429	2.613	2.860	3.084	3.291	3.405	3.563	3.634	3.736	3.836	3.859	3.787	3.697	3.667	3.533	3.354	3.086	2.811
05/25/03	2.668	2.541	2.425	2.381	2.382	2.314	2.347	2.511	2.736	2.987	3.186	3.376	3.545	3.669	3.768	3.900	3.906	3.888	3.799	3.783	3.702	3.464	3.153	2.807
05/26/03	2.894	2.741	2.706	2.706	2.618	2.607	2.648	2.809	3.117	3.467	3.709	4.004	4.192	4.279	4.452	4.610	4.644	4.573	4.386	4.342	4.157	3.943	3.645	3.338
05/27/03	3.111	2.867	2.749	2.707	2.739	2.825	2.994	3.326	3.538	3.721	3.948	4.143	4.268	4.364	4.494	4.617	4.607	4.507	4.433	4.318	4.192	4.016	3.654	3.313
05/28/03	3.154	2.904	2.785	2.740	2.770	2.852	3.014	3.351	3.565	3.749	3.982	4.181	4.305	4.397	4.528	4.650	4.650	4.551	4.479	4.362	4.233	4.059	3.697	3.357
05/29/03	3.115	2.867	2.749	2.707	2.738	2.822	2.989	3.322	3.535	3.710	3.938	4.134	4.258	4.352	4.482	4.599	4.626	4.527	4.453	4.337	4.207	4.030	3.663	3.319
05/30/03	3.007	2.867	2.801	2.722	2.675	2.727	2.818	3.286	3.501	3.666	3.843	4.099	4.178	4.335	4.448	4.486	4.387	4.265	4.185	4.066	3.921	3.837	3.600	3.293
06/01/03	2.816	2.688	2.568	2.523	2.459	2.448	2.478	2.642	2.869	3.127	3.333	3.529	3.703	3.829	3.928	4.062	4.061	4.040	3.943	3.921	3.837	3.600	3.293	2.949
06/02/03	2.664	2.579	2.431	2.410	2.505	2.635	2.913	3.127	3.338	3.492	3.668	3.777	3.948	4.064	4.185	4.283	4.293	4.241	4.083	4.006	3.899	3.719	3.449	2.983
06/03/03	2.644	2.482	2.403	2.391	2.443	2.578	2.811	3.048	3.207	3.322	3.472	3.600	3.695	3.745	3.887	3.979	3.906	3.822	3.684	3.608	3.506	3.340	3.052	2.809
06/04/03	2.740	2.566	2.486	2.463	2.512	2.636	2.855	3.124	3.284	3.423	3.594	3.740	3.846	4.056	4.160	4.198	4.210	4.104	4.021	3.938	3.825	3.635	3.283	2.942
06/05/03	2.600	2.498	2.453	2.414	2.418	2.532	2.830	3.048	3.189	3.295	3.411	3.566	3.629	3.745	3.877	3.974	3.906	3.822	3.681	3.608	3.506	3.340	3.052	2.818
06/06/03	2.440	2.349	2.259	2.233	2.209	2.289	2.387	2.546	2.738	2.891	3.013	3.069	3.156	3.187	3.245	3.316	3.339	3.311	3.290	3.297	3.194	3.043	2.819	2.583
06/07/03	2.243	2.169	2.115	2.107	2.103	2.155	2.237	2.362	2.493	2.592	2.644	2.734	2.746	2.879	2.817	2.885	2.817	2.879	2.954	3.028	2.974	2.812	2.585	2.322
06/08/03	2.241	2.187	2.110	2.112	2.211	2.400	2.718	2.885	2.977	3.034	3.108	3.135	3.268	3.326	3.377	3.458	3.468	3.381	3.353	3.357	3.272	3.120	2.818	2.515
06/09/03	2.616	2.459	2.388	2.370	2.423	2.560	2.797	3.044	3.178	3.293	3.437	3.559	3.650	3.732	3.834	3.926	3.939	3.849	3.788	3.730	3.628	3.447	3.111	2.787
06/10/03	2.645	2.482	2.408	2.391	2.444	2.578	2.811	3.064	3.207	3.322	3.472	3.601	3.696	3.782	3.888	3.979	3.988	3.898	3.834	3.772	3.668	3.487	3.145	2.819
06/11/03	2.728	2.618	2.520	2.513	2.610	2.902	3.138	3.309	3.442	3.583	3.723	3.850	3.985	4.091	4.136	4.175	4.083	3.912	3.815	3.704	3.526	3.217	2.967	2.724
06/12/03	2.611	2.504	2.391	2.353	2.308	2.377	2.457	2.630	2.858	3.061	3.243	3.343	3.480	3.542	3.633	3.725	3.748	3.686	3.613	3.592	3.469	3.300	3.048	2.788
06/13/03	2.641	2.523	2.418	2.379	2.329	2.325	2.360	2.514	2.723	2.949	3.128	3.299	3.449	3.563	3.653	3.775	3.785	3.774	3.700	3.693	3.620	3.396	3.102	2.774
06/14/03	2.906	2.812	2.634	2.603	2.703	2.814	3.082	3.306	3.559	3.738	3.944	4.072	4.271	4.390	4.524	4.629	4.637	4.587	4.399	4.291	4.172	3.994	3.605	3.220
06/15/03	2.963	2.761	2.668	2.642	2.687	2.795	2.991	3.295	3.491	3.662	3.869	4.048	4.173	4.278	4.409	4.530	4.539	4.421	4.324	4.210	4.078	3.881	3.513	3.161
06/16/03	3.029	2.820	2.726	2.698	2.743	2.846	3.034	3.349	3.552	3.730	3.948	4.136	4.264	4.369	4.501	4.622	4.626	4.509	4.412	4.294	4.156	3.959	3.585	3.231
06/17/03	3.026	2.817	2.722	2.697	2.741	2.845	3.034	3.350	3.555	3.726	3.944	4.132	4.260	4.366	4.501	4.622	4.626</							

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
07/01/03	3.227	3.021	2.929	2.904	2.944	3.030	3.186	3.495	3.696	3.872	4.087	4.274	4.397	4.492	4.620	4.741	4.743	4.628	4.538	4.408	4.268	4.088	3.745	3.419
07/02/03	3.286	3.074	2.982	2.955	2.996	3.078	3.228	3.546	3.752	3.931	4.155	4.349	4.472	4.565	4.695	4.818	4.819	4.703	4.613	4.477	4.332	4.153	3.806	3.480
07/03/03	3.318	3.101	3.007	2.983	3.024	3.105	3.253	3.577	3.788	3.963	4.190	4.387	4.511	4.605	4.736	4.857	4.853	4.739	4.652	4.514	4.366	4.189	3.840	3.512
07/04/03	3.451	3.360	3.210	3.192	3.091	3.074	3.123	3.373	3.555	3.873	4.092	4.325	4.459	4.644	4.840	4.975	4.980	4.885	4.685	4.419	4.260	4.095	3.821	3.506
07/05/03	3.474	3.368	3.196	3.153	3.034	3.120	3.177	3.371	3.654	3.935	4.225	4.458	4.591	4.674	4.763	4.884	4.884	4.765	4.633	4.585	4.436	4.269	4.073	3.706
07/06/03	3.394	3.268	3.125	3.084	2.990	2.983	3.012	3.191	3.424	3.722	3.951	4.164	4.357	4.477	4.561	4.711	4.666	4.642	4.527	4.511	4.412	4.171	3.869	3.512
07/07/03	3.432	3.348	3.123	3.085	3.203	3.278	3.507	3.719	4.010	4.196	4.483	4.880	5.012	5.113	5.108	5.084	4.869	4.743	4.627	4.487	4.417	4.171	3.743	3.419
07/08/03	3.761	3.499	3.394	3.369	3.414	3.473	3.572	3.763	4.209	4.419	4.683	4.916	5.044	5.121	5.267	5.406	5.392	5.248	5.154	4.991	4.820	4.644	4.291	3.962
07/09/03	3.867	3.594	3.487	3.461	3.507	3.556	3.639	4.047	4.304	4.522	4.796	5.039	5.166	5.238	5.391	5.534	5.518	5.361	5.260	5.097	4.923	4.749	4.394	4.065
07/10/03	4.090	3.784	3.662	3.631	3.674	3.692	3.728	4.172	4.454	4.682	4.970	5.230	5.354	5.414	5.578	5.723	5.711	5.527	5.410	5.264	5.105	4.943	4.594	4.278
07/11/03	3.921	3.810	3.797	3.713	3.617	3.592	3.862	4.160	4.396	4.569	4.781	5.130	5.175	5.361	5.497	5.514	5.619	5.522	5.228	5.074	4.953	4.750	4.403	4.199
07/12/03	3.415	3.309	3.141	3.098	2.985	3.068	3.126	3.320	3.600	3.877	4.163	4.294	4.524	4.580	4.699	4.815	4.818	4.704	4.575	4.524	4.339	4.189	3.915	3.649
07/13/03	3.305	3.180	3.042	2.999	2.912	2.903	2.932	3.106	3.335	3.624	3.848	4.046	4.243	4.363	4.448	4.592	4.555	4.421	4.399	4.302	4.065	3.768	3.421	3.166
07/14/03	3.348	3.262	3.049	3.012	3.124	3.201	3.432	3.644	3.925	4.107	4.334	4.462	4.677	4.776	4.906	5.005	5.003	4.975	4.770	4.645	4.528	4.383	4.015	3.646
07/15/03	3.535	3.296	3.197	3.172	3.214	3.286	3.432	3.768	3.995	4.191	4.435	4.650	4.776	4.863	5.000	5.132	5.124	4.997	4.910	4.755	4.515	4.064	3.735	3.359
07/16/03	3.363	3.143	3.049	3.023	3.063	3.142	3.286	3.615	3.827	4.012	4.243	4.444	4.568	4.660	4.792	4.917	4.916	4.798	4.708	4.566	4.414	4.235	3.887	3.559
07/17/03	3.460	3.228	3.131	3.108	3.149	3.224	3.359	3.704	3.926	4.111	4.351	4.561	4.687	4.775	4.911	5.037	5.028	4.909	4.823	4.674	4.516	4.339	3.987	3.658
07/18/03	3.208	3.097	3.055	2.994	2.957	3.006	3.277	3.534	3.691	3.842	4.086	4.341	4.421	4.577	4.735	4.793	4.793	4.511	4.370	4.246	4.067	3.743	3.517	3.186
07/19/03	3.165	3.056	2.908	2.864	2.776	2.845	2.904	3.092	3.357	3.617	3.877	4.008	4.213	4.280	4.397	4.502	4.512	4.416	4.297	4.242	4.077	3.917	3.652	3.392
07/20/03	3.220	3.095	2.963	2.919	2.837	2.827	2.855	3.024	3.250	3.529	3.748	3.951	4.134	4.254	4.341	4.480	4.450	4.425	4.319	4.294	4.199	3.967	3.674	3.336
07/21/03	3.344	3.258	3.045	3.009	3.120	3.198	3.429	3.640	3.921	4.103	4.329	4.558	4.672	4.771	4.900	5.000	4.998	4.765	4.640	4.524	4.378	4.011	3.641	3.300
07/22/03	3.009	2.827	2.742	2.718	2.759	2.856	3.031	3.307	3.486	3.642	3.830	3.992	4.106	4.201	4.320	4.430	4.438	4.331	4.242	4.138	4.018	3.840	3.507	3.190
07/23/03	3.169	2.969	2.880	2.854	2.894	2.982	3.143	3.443	3.638	3.808	4.019	4.201	4.321	4.417	4.543	4.661	4.665	4.553	4.462	4.308	4.203	4.024	3.681	3.358
07/24/03	2.950	2.773	2.691	2.670	2.712	2.811	2.993	3.261	3.433	3.575	3.756	4.022	4.115	4.231	4.334	4.440	4.340	4.239	4.155	4.061	3.946	3.772	3.440	3.125
07/25/03	2.933	2.827	2.781	2.731	2.713	2.784	3.048	3.279	3.459	3.601	3.751	3.956	4.035	4.173	4.278	4.323	4.367	4.281	4.104	3.993	3.884	3.714	3.415	3.186
07/26/03	2.889	2.783	2.659	2.618	2.555	2.615	2.677	2.849	3.087	3.312	3.529	3.648	3.815	3.885	3.990	4.086	4.103	4.025	3.924	3.882	3.747	3.584	3.336	3.085
07/27/03	3.042	2.921	2.799	2.756	2.686	2.674	2.701	2.860	3.076	3.335	3.540	3.733	3.905	4.024	4.113	4.244	4.229	4.205	4.106	4.080	3.993	3.769	3.484	3.160
07/28/03	3.021	2.935	2.765	2.734	2.828	2.922	3.162	3.367	3.606	3.773	3.967	4.086	4.273	4.379	4.502	4.598	4.604	4.561	4.385	4.279	4.170	4.011	3.656	3.304
07/29/03	3.371	3.149	3.054	3.029	3.069	3.149	3.292	3.623	3.836	4.022	4.252	4.452	4.578	4.669	4.802	4.928	4.925	4.806	4.718	4.574	4.423	4.243	3.896	3.568
07/30/03	3.542	3.303	3.204	3.178	3.221	3.292	3.417	3.774	4.000	4.195	4.443	4.659	4.785	4.870	5.008	5.132	5.006	4.917	4.762	4.622	4.422	4.070	3.741	3.419
07/31/03	3.517	3.279	3.181	3.157	3.200	3.272	3.401	3.754	3.981	4.169	4.415	4.629	4.752	4.842	4.979	5.107	5.096	4.974	4.889	4.736	4.575	4.398	4.045	3.716
08/01/03	3.367	3.249	3.136	3.140	3.093	3.136	3.426	3.707	3.938	4.116	4.311	4.598	4.679	4.849	4.971	5.016	5.084	5.001	4.778	4.621	4.487	4.295	3.945	3.708
08/02/03	3.422	3.309	3.136	3.089	2.976	3.060	3.122	3.326	3.621	3.912	4.209	4.349	4.587	4.649	4.775	4.895	4.899	4.783	4.649	4.593	4.400	4.239	3.951	3.671
08/03/03	3.390	3.256	3.136	3.084	2.969	2.960	2.991	3.177	3.421	3.730	3.969	4.191	4.391	4.519	4.608	4.762	4.721	4.694	4.577	4.555	4.452	4.200	3.884	3.513
08/04/03	3.254	3.161	2.956	2.919	3.027	3.116	3.364	3.586	3.866	4.080	4.278	4.545	4.712	4.868	4.972	4.974	4.974	4.937	4.734	4.607	4.486	4.324	3.940	3.556
08/05/03	3.592	3.341	3.236	3.209	3.254	3.331	3.466	3.841	4.080	4.287	4.545	4.712	4.906	4.997	5.142	5.282	5.273	5.140	5.048	4.884	4.713	4.524	4.153	3.804
08/06/03	3.625	3.371	3.266	3.239	3.284	3.358	3.489	3.869	4.110	4.382	4.615	4.848	4.982	5.071	5.218	5.356	5.343	5.209	5.118	4.953	4.778	4.592	4.217	3.868
08/07/03	3.656	3.397	3.291	3.266	3.312	3.385	3.513	3.899	4.145	4.349	4.615	4.848	4.982	5.071	5.218	5.356	5.343	5.209	5.118	4.953	4.778	4.592	4.217	3.868
08/08/03	3.611	3.493	3.461	3.386	3.320	3.342	3.636	3.933	4.175	4.357	4.565	4.884	4.954	5.134	5.260	5.297	5.380	5.297	5.051	4.884	4.747	4.549	4.189	3.961
08/09/03	3.403	3.289	3.118	3.072	2.960	3.043	3.103	3.303	3.603	3.892	4.188	4.328	4.564	4.627	4.753	4.872	4.877	4.762	4.629	4.629	4.381	4.219	3.931	3.651
08/10/03	3.960	3.830	3.640	3.612	3.455	3.437	3.411	3.633	3.911	4.282	4.565	4.866	5.131	5.301	5.422	5.675	5.603	5.568	5.350	5.414	5.365	5.064	4.693	4.202
08/11/03	3.851	3.780	3.463	3.421	3.580	3.643	3.864	4.088	4.432	4.639	4.936	5.077	5.356	5.458	5.609	5.723	5.717	5.707	5.412	5.332	5.240	5.136	4.742	4.339
08/12/03	3.583	3.332	3.227	3.201	3.245	3.323	3.459	3.832	4.071	4.277	4.555	4.760	4.894	4.986	5.131	5.270	5.262	5.129	5.037	4.874	4.703	4.514	4.143	3.794
08/13/03	3.798	3.526	3.417	3.390	3.437	3.501	3.611	4.018	4.274	4.493	4.771	5.015	5.149	5.232	5.385	5.531	5.518	5.369	5.272	5.100	4.920	4.734	4.359	4.011
08/14/03	3.678	3.408	3.302	3.277	3.323	3.395	3.522	3.903	4.156	4.462	4.628	4.862	4.996	5.085	5.233	5.371	5.357	5.223	5.132	4.965	4.790	4.604	4.229	3.880
08/15/03	3.578	3.459	3.426	3.352	3.289	3.314	3.608	3.903	4.144	4.325	4.532	4.847	4.919	5.097	5.223	5.361	5.342	5.259	5.017	4.851	4.714	4.517	4.158	3.928
08/16/03	3.490	3.378	3.199	3.153	3.032	3.121	3.182	3.387	3.685	3.980	4.283	4.421	4.666	4.725	4.851	4.976	4.977	4.856	4					

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
09/01/03	2,650	2,533	2,408	2,373	2,313	2,307	2,352	2,510	2,776	3,068	3,271	3,497	3,649	3,726	3,873	4,008	4,069	4,031	3,886	3,856	3,746	3,553	3,258	2,959
09/02/03	2,910	2,699	2,603	2,576	2,620	2,721	2,904	3,221	3,428	3,608	3,827	4,017	4,147	4,251	4,386	4,512	4,518	4,398	4,299	4,172	4,032	3,836	3,465	3,113
09/03/03	3,102	2,871	2,770	2,742	2,786	2,877	3,042	3,389	3,612	3,808	4,051	4,262	4,396	4,499	4,641	4,774	4,776	4,650	4,551	4,403	4,245	4,049	3,671	3,313
09/04/03	2,873	2,665	2,571	2,546	2,590	2,692	2,879	3,192	3,395	3,565	3,782	3,969	4,096	4,201	4,334	4,455	4,458	4,326	4,246	4,126	3,988	3,795	3,424	3,073
09/05/03	3,009	2,887	2,840	2,774	2,767	2,791	3,087	3,396	3,596	3,774	3,966	4,241	4,330	4,499	4,623	4,735	4,735	4,646	4,426	4,274	4,140	3,944	3,591	3,343
09/06/03	3,234	3,117	2,935	2,887	2,856	2,919	3,137	3,437	3,739	4,050	4,194	4,306	4,443	4,506	4,636	4,762	4,765	4,643	4,503	4,446	4,309	4,079	3,780	3,490
09/07/03	2,921	2,786	2,649	2,600	2,519	2,506	2,537	2,715	2,955	3,248	3,478	3,694	4,018	4,115	4,261	4,426	4,423	4,212	4,100	4,071	3,923	3,724	3,409	3,049
09/08/03	3,106	3,011	2,788	2,749	2,866	2,954	3,209	3,439	3,738	4,034	4,175	4,314	4,542	4,652	4,793	4,901	4,900	4,866	4,649	4,514	4,388	4,225	3,825	3,424
09/09/03	3,314	3,061	2,953	2,926	2,971	3,054	3,201	3,578	3,820	4,030	4,291	4,520	4,658	4,793	4,903	5,039	5,039	4,904	4,809	4,643	4,471	4,274	3,825	3,532
09/10/03	3,462	3,190	3,077	3,045	3,089	3,159	3,285	3,683	3,933	4,147	4,421	4,659	4,793	4,880	5,030	5,173	5,169	5,032	4,942	4,775	4,599	4,412	4,033	3,679
09/11/03	3,189	2,948	2,844	2,818	2,863	2,950	3,109	3,469	3,703	3,898	4,150	4,369	4,506	4,607	4,751	4,885	4,880	4,754	4,659	4,504	4,340	4,145	3,762	3,404
09/12/03	3,115	2,993	2,949	2,880	2,834	2,881	3,180	3,469	3,706	3,888	4,088	4,380	4,465	4,639	4,765	4,881	4,881	4,794	4,566	4,406	4,268	4,070	3,710	3,465
09/13/03	2,846	2,728	2,577	2,530	2,446	2,515	2,581	2,780	3,059	3,328	3,595	3,735	3,943	4,020	4,144	4,255	4,270	4,172	4,049	3,992	3,825	3,648	3,364	3,084
09/14/03	2,921	2,786	2,648	2,600	2,519	2,506	2,537	2,714	2,955	3,247	3,478	3,694	3,886	4,018	4,114	4,260	4,239	4,212	4,100	4,071	3,923	3,724	3,408	3,048
09/15/03	3,047	2,951	2,736	2,698	2,811	2,902	3,158	3,387	3,679	3,873	4,108	4,245	4,468	4,580	4,720	4,827	4,828	4,792	4,580	4,448	4,322	4,156	3,758	3,360
09/16/03	3,185	2,945	2,841	2,814	2,858	2,946	3,105	3,464	3,695	3,897	4,147	4,364	4,501	4,602	4,746	4,883	4,881	4,752	4,655	4,500	4,336	4,139	3,759	3,400
09/17/03	3,063	2,836	2,736	2,708	2,751	2,844	3,013	3,354	3,574	3,762	4,006	4,212	4,346	4,449	4,590	4,722	4,725	4,600	4,500	4,357	4,202	4,006	3,629	3,272
09/18/03	3,022	2,798	2,699	2,673	2,717	2,812	2,985	3,320	3,540	3,722	3,957	4,161	4,294	4,398	4,537	4,665	4,664	4,544	4,447	4,309	4,158	3,963	3,585	3,220
09/19/03	3,019	2,897	2,850	2,784	2,745	2,800	3,096	3,377	3,607	3,785	3,978	4,255	4,343	4,513	4,637	4,686	4,749	4,661	4,440	4,287	4,152	3,957	3,603	3,355
09/20/03	2,867	2,748	2,596	2,548	2,463	2,532	2,598	2,798	3,079	3,351	3,620	3,762	3,972	4,049	4,173	4,299	4,201	4,076	4,018	3,850	3,672	3,388	3,106	2,780
09/21/03	2,568	2,446	2,334	2,292	2,236	2,228	2,260	2,417	2,632	2,872	3,063	3,246	3,407	3,526	3,621	3,748	3,753	3,736	3,650	3,635	3,557	3,329	3,032	2,700
09/22/03	2,765	2,671	2,492	2,461	2,561	2,669	2,933	3,155	3,409	3,587	3,793	3,920	4,119	4,236	4,369	4,473	4,480	4,432	4,244	4,135	4,017	3,841	3,456	3,075
09/23/03	2,598	2,424	2,342	2,320	2,368	2,420	2,705	2,973	3,136	3,277	3,446	3,593	3,700	3,795	3,910	4,015	4,027	3,923	3,841	3,760	3,648	3,460	3,113	2,780
09/24/03	2,518	2,355	2,280	2,260	2,310	2,439	2,664	2,919	3,064	3,190	3,346	3,478	3,576	3,664	3,771	3,868	3,881	3,785	3,714	3,646	3,541	3,358	3,019	2,693
09/25/03	2,859	2,653	2,559	2,535	2,579	2,681	2,869	3,182	3,382	3,551	3,765	3,950	4,077	4,182	4,314	4,434	4,438	4,323	4,227	4,108	3,972	3,779	3,408	3,059
09/26/03	2,634	2,521	2,471	2,421	2,409	2,497	2,785	3,026	3,208	3,349	3,499	3,784	3,925	4,033	4,124	4,243	4,243	4,031	3,850	3,744	3,630	3,450	3,135	2,886
09/27/03	2,325	2,230	2,136	2,106	2,077	2,154	2,245	2,405	2,604	2,768	2,905	2,972	3,071	3,111	3,177	3,253	3,276	3,239	3,204	3,204	3,097	2,943	2,714	2,474
09/28/03	2,558	2,436	2,326	2,284	2,229	2,221	2,253	2,409	2,624	2,862	3,052	3,233	3,393	3,511	3,605	3,731	3,737	3,721	3,636	3,622	3,545	3,318	3,021	2,690
09/29/03	2,302	2,230	2,113	2,102	2,195	2,347	2,636	2,831	2,993	3,112	3,248	3,328	3,463	3,562	3,662	3,743	3,753	3,721	3,636	3,622	3,545	3,318	3,021	2,690
09/30/03	2,287	2,159	2,102	2,095	2,156	2,122	2,255	2,432	2,624	2,862	3,052	3,233	3,393	3,511	3,605	3,731	3,737	3,721	3,636	3,622	3,545	3,318	3,021	2,690
10/01/03	2,221	2,098	2,046	2,038	2,099	2,259	2,520	2,725	2,882	2,956	3,086	3,140	3,210	3,273	3,340	3,400	3,400	3,275	3,182	3,138	3,050	2,905	2,655	2,430
10/02/03	2,221	2,096	2,043	2,038	2,099	2,260	2,522	2,727	2,887	2,961	3,091	3,144	3,214	3,277	3,340	3,400	3,400	3,275	3,182	3,138	3,050	2,905	2,655	2,430
10/03/03	2,255	2,168	2,132	2,105	2,122	2,155	2,255	2,432	2,624	2,862	3,052	3,233	3,393	3,511	3,605	3,731	3,737	3,721	3,636	3,622	3,545	3,318	3,021	2,690
10/04/03	2,201	2,116	2,034	2,011	1,992	2,073	2,171	2,322	2,500	2,638	2,745	2,789	2,862	2,886	2,935	2,998	3,020	3,000	2,992	2,904	2,808	2,706	2,556	2,333
10/05/03	2,176	2,085	2,011	1,989	1,965	1,988	2,041	2,173	2,335	2,486	2,595	2,695	2,784	2,848	2,902	2,986	3,005	3,029	3,026	3,060	3,003	2,818	2,567	2,284
10/06/03	2,264	2,192	2,075	2,064	2,154	2,300	2,581	2,772	2,936	3,055	3,192	3,274	3,409	3,507	3,607	3,688	3,699	3,657	3,543	3,499	3,404	3,236	2,900	2,568
10/07/03	2,535	2,365	2,285	2,264	2,311	2,430	2,639	2,901	3,060	3,198	3,363	3,506	3,611	3,703	3,816	3,919	3,930	3,828	3,749	3,669	3,560	3,377	3,038	2,712
10/08/03	2,523	2,355	2,277	2,255	2,302	2,421	2,632	2,892	3,047	3,183	3,348	3,490	3,592	3,683	3,795	3,896	3,909	3,808	3,729	3,652	3,543	3,362	3,023	2,699
10/09/03	2,602	2,423	2,340	2,318	2,364	2,476	2,678	2,952	3,124	3,265	3,445	3,601	3,712	3,808	3,926	4,031	4,039	3,935	3,851	3,762	3,647	3,463	3,137	2,784
10/10/03	2,597	2,501	2,467	2,432	2,435	2,535	2,832	3,084	3,277	3,432	3,595	3,810	3,905	4,059	4,182	4,243	4,300	4,177	3,967	3,830	3,687	3,478	3,137	2,862
10/11/03	2,465	2,358	2,241	2,201	2,150	2,214	2,286	2,459	2,691	2,904	3,100	3,208	3,358	3,426	3,522	3,617	3,638	3,569	3,483	3,453	3,327	3,159	2,907	2,650
10/12/03	2,549	2,428	2,316	2,273	2,215	2,205	2,235	2,391	2,606	2,788	2,985	3,107	3,288	3,360	3,450	3,530	3,542	3,465	3,420	3,376	3,283	3,113	2,799	2,494
10/13/03	2,424	2,342	2,203	2,183	2,274	2,402	2,672	2,876	3,076	3,221	3,387	3,490	3,652	3,728	3,808	3,971	3,981	3,711	3,622	3,603	3,525	3,299	3,006	2,679
10/14/03	2,445	2,288	2,214	2,195	2,245	2,373	2,595	2,841	2,981	3,103	3,250	3,377	3,471	3,556	3,660	3,754	3,766	3,673	3,606	3,542	3,440	3,262	2,933	2,616
10/15/03	2,335	2,194	2,130	2,116	2,169	2,311	2,549	2,776	2,889	2,985	3,107	3,211	3,288	3,360	3,450	3,530	3,542	3,465	3,420	3,376	3,283	3,113	2,799	2,494
10/16/03	2,262	2,130	2,073	2,065	2,124	2,277	2,530	2,744	2,837	2,907	3,009	3,094	3,159	3,220	3,298	3,365	3,371	3,311	3,291	3,262	3,173	3,011	2,707	2,414
10/17/03	2,245	2,159	2,123	2,097	2,116	2,250	2,550	2,738	2,834	2,899	2,975	3,081	3,118	3,202	3,268	3,313</								

# APS Own Load Hourly mW Forecast

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Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/03	1,930	1,901	1,886	1,904	1,940	2,078	2,253	2,376	2,450	2,445	2,381	2,272	2,190	2,080	2,025	1,995	2,065	2,116	2,304	2,385	2,314	2,251	2,134	2,002
11/02/03	1,948	1,906	1,883	1,896	1,917	2,011	2,132	2,236	2,305	2,322	2,285	2,225	2,175	2,110	2,052	2,046	2,054	2,170	2,358	2,484	2,431	2,323	2,161	1,962
11/03/03	1,921	1,894	1,861	1,883	1,986	2,206	2,538	2,650	2,647	2,609	2,591	2,535	2,519	2,495	2,482	2,475	2,473	2,545	2,656	2,701	2,629	2,526	2,307	2,078
11/04/03	2,006	1,935	1,917	1,935	2,015	2,236	2,559	2,780	2,668	2,631	2,622	2,606	2,593	2,581	2,584	2,595	2,587	2,618	2,741	2,769	2,689	2,572	2,350	2,122
11/05/03	2,039	1,961	1,939	1,951	2,028	2,236	2,547	2,697	2,682	2,661	2,669	2,669	2,666	2,655	2,680	2,698	2,694	2,710	2,809	2,831	2,750	2,628	2,395	2,158
11/06/03	2,036	1,957	1,935	1,950	2,027	2,237	2,550	2,700	2,685	2,663	2,663	2,667	2,665	2,668	2,668	2,683	2,698	2,696	2,800	2,823	2,750	2,623	2,389	2,154
11/07/03	2,050	1,996	1,983	1,982	2,030	2,217	2,547	2,690	2,699	2,682	2,680	2,695	2,673	2,692	2,700	2,693	2,698	2,693	2,725	2,735	2,664	2,570	2,387	2,201
11/08/03	1,973	1,934	1,907	1,918	1,944	2,070	2,228	2,354	2,446	2,465	2,432	2,352	2,298	2,215	2,179	2,168	2,181	2,265	2,414	2,484	2,411	2,334	2,201	2,052
11/09/03	1,978	1,928	1,897	1,904	1,918	1,999	2,105	2,228	2,298	2,337	2,325	2,295	2,269	2,228	2,192	2,203	2,214	2,312	2,464	2,573	2,401	2,224	2,011	1,811
11/10/03	2,037	1,991	1,924	1,931	2,025	2,209	2,511	2,660	2,731	2,770	2,825	2,838	2,895	2,937	2,982	3,020	3,026	3,034	3,029	3,040	2,963	2,826	2,555	2,281
11/11/03	2,164	1,980	1,952	1,963	2,037	2,238	2,541	2,697	2,696	2,687	2,704	2,713	2,719	2,726	2,749	2,774	2,771	2,777	2,860	2,876	2,796	2,668	2,429	2,186
11/12/03	2,135	2,034	2,000	2,002	2,069	2,250	2,531	2,704	2,735	2,757	2,805	2,841	2,868	2,894	2,934	2,977	2,981	2,960	3,001	3,002	2,922	2,783	2,524	2,266
11/13/03	2,097	2,005	1,973	1,981	2,052	2,244	2,536	2,702	2,718	2,717	2,750	2,772	2,788	2,804	2,836	2,866	2,863	2,859	2,924	2,934	2,855	2,723	2,472	2,223
11/14/03	2,129	1,765	1,713	1,734	1,748	1,870	2,086	2,257	2,307	2,398	2,441	2,455	2,442	2,435	2,399	2,349	2,450	2,519	2,588	2,490	2,378	2,224	2,042	1,894
11/15/03	2,160	2,107	2,079	2,114	2,163	2,333	2,608	2,779	2,806	2,754	2,681	2,582	2,545	2,473	2,411	2,411	2,444	2,635	2,817	2,783	2,696	2,638	2,492	2,286
11/16/03	1,949	1,907	1,883	1,896	1,917	2,011	2,131	2,236	2,305	2,322	2,286	2,227	2,177	2,113	2,056	2,050	2,058	2,174	2,360	2,486	2,434	2,325	2,163	1,963
11/17/03	1,921	1,894	1,861	1,883	1,986	2,206	2,538	2,650	2,647	2,609	2,591	2,535	2,520	2,496	2,483	2,476	2,475	2,546	2,639	2,802	2,837	2,725	2,507	2,249
11/18/03	1,994	1,926	1,910	1,929	2,011	2,236	2,564	2,702	2,663	2,619	2,604	2,583	2,565	2,548	2,547	2,554	2,546	2,582	2,714	2,746	2,665	2,527	2,308	2,078
11/19/03	1,994	1,926	1,912	1,930	2,012	2,236	2,563	2,702	2,661	2,616	2,603	2,583	2,564	2,546	2,546	2,552	2,544	2,581	2,713	2,745	2,663	2,550	2,331	2,107
11/20/03	2,129	2,086	2,063	2,103	2,175	2,420	2,785	2,957	2,926	2,895	2,812	2,730	2,674	2,615	2,585	2,568	2,543	2,544	2,725	2,837	2,785	2,670	2,473	2,249
11/21/03	2,258	2,219	2,205	2,246	2,324	2,565	2,936	3,080	3,026	2,856	2,738	2,638	2,544	2,487	2,443	2,437	2,443	2,544	2,725	2,728	2,709	2,685	2,567	2,360
11/22/03	2,111	2,039	2,023	2,029	2,062	2,164	2,318	2,476	2,567	2,599	2,573	2,509	2,457	2,389	2,443	2,437	2,443	2,544	2,725	2,728	2,709	2,685	2,567	2,360
11/23/03	2,143	2,119	2,096	2,119	2,159	2,282	2,444	2,615	2,687	2,642	2,556	2,449	2,366	2,310	2,243	2,205	2,253	2,399	2,633	2,658	2,637	2,505	2,334	2,147
11/24/03	2,024	1,980	1,978	2,008	2,093	2,333	2,744	2,895	2,852	2,757	2,723	2,648	2,606	2,591	2,563	2,549	2,561	2,649	2,775	2,804	2,741	2,636	2,413	2,186
11/25/03	2,254	2,225	2,218	2,227	2,318	2,748	3,089	3,168	3,090	2,944	2,835	2,620	2,556	2,520	2,556	2,566	2,566	2,620	2,907	2,937	2,904	2,797	2,611	2,380
11/26/03	2,406	2,359	2,302	2,320	2,393	2,696	3,051	3,221	3,134	2,958	2,819	2,711	2,595	2,559	2,489	2,482	2,523	2,753	3,027	3,029	3,016	2,947	2,752	2,528
11/27/03	2,342	2,299	2,283	2,323	2,370	2,490	2,653	2,854	2,928	2,890	2,810	2,691	2,591	2,479	2,412	2,366	2,427	2,622	2,852	2,897	2,857	2,776	2,594	2,392
11/28/03	2,342	2,301	2,285	2,324	2,369	2,486	2,649	2,854	2,926	2,895	2,812	2,730	2,615	2,558	2,482	2,437	2,443	2,622	2,852	2,897	2,857	2,776	2,594	2,392
11/29/03	2,359	2,293	2,296	2,322	2,379	2,502	2,707	2,923	2,999	2,953	2,843	2,700	2,596	2,491	2,416	2,376	2,404	2,573	2,807	2,788	2,737	2,666	2,550	2,395
11/30/03	2,186	2,136	2,118	2,143	2,179	2,286	2,428	2,596	2,660	2,643	2,593	2,512	2,440	2,357	2,303	2,267	2,319	2,478	2,673	2,722	2,675	2,599	2,427	2,242
12/01/03	2,231	2,180	2,192	2,220	2,352	2,634	3,061	3,271	3,190	3,079	2,972	2,842	2,764	2,734	2,655	2,661	2,664	2,814	3,062	3,066	3,042	2,925	2,676	2,430
12/02/03	2,380	2,351	2,316	2,357	2,458	2,794	3,195	3,394	3,305	3,137	3,010	2,908	2,799	2,759	2,686	2,669	2,689	2,876	3,119	3,119	3,086	2,987	2,766	2,514
12/03/03	2,358	2,327	2,293	2,331	2,431	2,762	3,159	3,356	3,269	3,107	2,988	2,892	2,786	2,749	2,679	2,662	2,681	2,861	3,100	3,065	3,065	2,966	2,744	2,493
12/04/03	2,496	2,471	2,439	2,489	2,597	2,950	3,362	3,574	3,473	3,271	3,117	2,994	2,863	2,814	2,729	2,702	2,728	2,952	3,227	3,220	3,190	3,099	2,873	2,616
12/05/03	2,457	2,426	2,419	2,465	2,610	2,858	3,319	3,565	3,459	3,288	3,141	2,958	2,851	2,786	2,676	2,641	2,689	2,828	3,086	3,086	3,086	2,967	2,821	2,620
12/06/03	2,577	2,504	2,512	2,544	2,613	2,745	2,969	3,216	3,312	3,262	3,132	2,960	2,835	2,786	2,691	2,569	2,602	2,826	3,089	3,037	2,983	2,907	2,781	2,614
12/07/03	2,528	2,489	2,472	2,524	2,581	2,719	2,962	3,129	3,202	3,163	3,080	2,956	2,835	2,739	2,672	2,619	2,697	2,826	3,067	3,067	3,067	2,948	2,821	2,622
12/08/03	2,479	2,427	2,408	2,483	2,610	2,933	3,397	3,624	3,453	3,246	3,079	2,944	2,804	2,760	2,674	2,663	2,709	2,979	3,290	3,283	3,197	2,980	2,751	2,503
12/09/03	2,602	2,560	2,501	2,530	2,615	2,962	3,364	3,556	3,453	3,246	3,079	2,944	2,804	2,760	2,674	2,663	2,709	2,979	3,290	3,283	3,197	2,980	2,751	2,503
12/10/03	2,369	2,339	2,305	2,344	2,445	2,778	3,177	3,375	3,286	3,121	2,999	2,900	2,793	2,754	2,682	2,665	2,685	2,869	3,108	3,108	3,075	2,977	2,755	2,503
12/11/03	2,529	2,506	2,474	2,526	2,634	2,992	3,407	3,622	3,518	3,309	3,148	3,019	2,883	2,831	2,743	2,719	2,743	2,977	3,259	3,250	3,221	3,131	2,904	2,646
12/12/03	2,409	2,376	2,368	2,411	2,552	2,798	3,256	3,492	3,388	3,228	3,093	2,920	2,764	2,660	2,627	2,669	2,669	2,791	3,039	3,035	2,959	2,928	2,781	2,581
12/13/03	2,479	2,407	2,411	2,440	2,503	2,637	2,862	3,099	3,182	3,131	3,007	2,848	2,733	2,616	2,533	2,488	2,519	2,709	2,966	2,966	2,966	2,808	2,683	2,516
12/14/03	2,354	2,304	2,287	2,320	2,365	2,487	2,651	2,850	2,923	2,895	2,822	2,713	2,619	2,514	2,447	2,406	2,467	2,654	2,885	2,936	2,885	2,802	2,612	2,404
12/15/03	2,214	2,163	2,174	2,201	2,331	2,611	3,034	3,239	3,160	3,055	2,953	2,828	2,754	2,726	2,649	2,655	2,657	2,803	3,046	3,046	3,027	2,910	2,660	2,415
12/16/03	2,309	2,275	2,238	2,273	2,370	2,693	3,085	3,274	3,195	3,049	2,942	2,855	2,760	2,728	2,662	2,648	2,664	2,829	3,053	3,058	3,021	2,920	2,700	2,451
12/17/03	2,264	2,228	2,190	2,221	2,310	2,632	3,010	3,193	3,121	2,989	2,898	2,821	2,735	2,707	2,647</									

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
01/01/04	2.389	2.333	2.313	2.346	2.390	2.518	2.686	2.887	2.963	2.930	2.861	2.755	2.661	2.556	2.490	2.445	2.503	2.697	2.933	2.989	2.939	2.857	2.662	2.450
01/02/04	2.413	2.373	2.364	2.400	2.541	2.794	3.260	3.483	3.384	3.237	3.120	2.962	2.733	2.733	2.704	2.737	2.737	2.833	3.071	3.083	3.005	2.969	2.813	2.605
01/03/04	2.425	2.349	2.345	2.365	2.418	2.553	2.764	2.981	3.064	3.042	2.954	2.830	2.737	2.636	2.566	2.528	2.559	2.709	2.944	2.953	2.896	2.809	2.672	2.491
01/04/04	2.436	2.385	2.366	2.401	2.448	2.575	2.746	2.953	3.029	3.000	2.925	2.810	2.713	2.603	2.534	2.490	2.555	2.750	2.990	3.043	2.990	2.904	2.705	2.489
01/05/04	2.466	2.409	2.436	2.471	2.625	2.926	3.396	3.647	3.556	3.400	3.263	3.088	2.978	2.825	2.841	2.860	2.860	3.059	3.351	3.327	3.307	3.181	2.924	2.666
01/06/04	2.519	2.491	2.456	2.502	2.611	2.971	3.394	3.608	3.508	3.319	3.172	3.055	2.931	2.884	2.802	2.783	2.806	3.018	3.286	3.282	3.249	3.148	2.917	2.652
01/07/04	2.597	2.573	2.540	2.590	2.761	3.072	3.696	3.906	3.786	3.548	3.368	3.211	3.052	2.922	2.832	2.810	2.839	3.073	3.359	3.350	3.319	3.223	2.988	2.720
01/08/04	2.798	2.770	2.715	2.759	2.861	3.047	3.617	3.889	3.781	3.580	3.396	3.183	3.049	2.968	2.835	2.801	2.866	3.059	3.337	3.311	3.227	3.209	3.061	2.836
01/09/04	2.704	2.673	2.667	2.721	2.883	3.141	3.617	3.889	3.781	3.580	3.396	3.183	3.049	2.968	2.835	2.801	2.866	3.059	3.337	3.311	3.227	3.209	3.061	2.836
01/10/04	2.756	2.675	2.683	2.716	2.785	2.916	3.118	3.363	3.482	3.468	3.372	3.217	3.096	2.965	2.874	2.823	2.862	3.113	3.360	3.309	3.257	3.174	3.028	2.841
01/11/04	2.519	2.472	2.454	2.495	2.548	2.679	2.860	3.083	3.163	3.129	3.041	2.910	2.801	2.694	2.556	2.627	2.837	3.092	3.342	3.295	3.253	3.000	2.794	2.568
01/12/04	2.488	2.458	2.458	2.495	2.650	2.951	3.423	3.676	3.584	3.436	3.288	3.110	2.998	2.841	2.859	2.881	2.881	3.087	3.382	3.353	3.333	3.205	2.947	2.690
01/13/04	2.465	2.434	2.398	2.424	2.546	2.896	3.314	3.522	3.429	3.254	3.121	3.001	2.901	2.860	2.783	2.766	2.787	2.981	3.236	3.235	3.200	3.097	2.867	2.604
01/14/04	2.407	2.374	2.337	2.374	2.476	2.815	3.225	3.426	3.340	3.181	3.067	2.973	2.870	2.834	2.765	2.748	2.767	2.944	3.182	3.186	3.148	3.044	2.813	2.553
01/15/04	2.372	2.334	2.295	2.332	2.432	2.764	3.170	3.366	3.289	3.135	3.031	2.946	2.851	2.754	2.735	2.748	2.917	3.148	3.155	3.116	3.012	2.780	2.521	2.310
01/16/04	2.413	2.373	2.364	2.400	2.541	2.794	3.260	3.483	3.384	3.237	3.120	2.962	2.880	2.830	2.733	2.704	2.737	2.833	3.071	3.083	3.005	2.969	2.813	2.605
01/17/04	2.394	2.317	2.310	2.328	2.378	2.510	2.714	2.924	3.008	2.996	2.920	2.807	2.720	2.624	2.558	2.522	2.694	2.920	2.934	2.877	2.788	2.649	2.466	
01/18/04	2.353	2.297	2.276	2.304	2.346	2.467	2.627	2.821	2.890	2.870	2.814	2.722	2.641	2.546	2.485	2.445	2.504	2.684	2.905	2.960	2.877	2.788	2.649	2.466
01/19/04	2.307	2.250	2.227	2.254	2.293	2.413	2.570	2.748	2.821	2.808	2.761	2.686	2.611	2.546	2.485	2.445	2.462	2.636	2.845	2.902	2.849	2.766	2.575	2.373
01/20/04	2.359	2.322	2.282	2.316	2.415	2.744	3.149	3.342	3.265	3.122	3.020	2.936	2.843	2.813	2.748	2.734	2.749	2.912	3.137	3.144	3.105	2.998	2.768	2.510
01/21/04	2.273	2.231	2.189	2.215	2.305	2.612	2.999	3.179	3.118	3.006	2.932	2.868	2.792	2.716	2.702	2.716	2.716	2.859	3.067	3.054	3.022	2.913	2.685	2.431
01/22/04	2.287	2.244	2.202	2.232	2.324	2.635	3.026	3.209	3.148	3.023	2.946	2.879	2.801	2.778	2.722	2.706	2.716	2.859	3.067	3.080	3.037	2.929	2.699	2.444
01/23/04	2.390	2.241	2.226	2.256	2.376	2.686	3.051	3.237	3.161	3.035	2.978	2.861	2.810	2.781	2.703	2.681	2.704	2.757	2.951	2.982	2.967	2.860	2.700	2.489
01/24/04	2.316	2.237	2.224	2.235	2.376	2.699	2.986	3.175	3.098	2.986	2.932	2.858	2.781	2.751	2.682	2.598	2.540	2.538	2.664	2.884	2.825	2.732	2.589	2.404
01/25/04	2.304	2.277	2.252	2.277	2.333	2.462	2.656	2.839	2.920	2.869	2.772	2.651	2.557	2.493	2.417	2.375	2.429	2.595	2.881	2.888	2.852	2.714	2.521	2.310
01/26/04	2.050	2.020	1.985	2.010	2.127	2.377	2.754	2.880	2.873	2.827	2.803	2.737	2.686	2.669	2.659	2.659	2.657	2.742	2.871	2.924	2.843	2.727	2.482	2.224
01/27/04	2.149	2.069	2.049	2.069	2.160	2.410	2.776	2.935	2.855	2.805	2.845	2.827	2.811	2.797	2.800	2.812	2.800	2.838	2.978	3.011	2.920	2.788	2.537	2.279
01/28/04	2.289	2.242	2.216	2.259	2.340	2.617	3.029	3.223	3.168	3.054	2.970	2.906	2.839	2.804	2.785	2.745	2.766	2.870	3.051	3.090	3.030	2.899	2.678	2.424
01/29/04	2.138	2.059	2.042	2.065	2.158	2.411	2.782	2.940	2.897	2.842	2.827	2.806	2.758	2.766	2.766	2.766	2.757	2.802	2.953	2.989	2.897	2.770	2.520	2.266
01/30/04	2.435	2.391	2.375	2.422	2.510	2.783	3.203	3.365	3.304	3.182	2.978	2.865	2.758	2.695	2.644	2.638	2.644	2.759	2.963	2.967	2.946	2.817	2.584	2.551
01/31/04	2.318	2.238	2.225	2.236	2.278	2.401	2.588	2.779	2.871	2.888	2.840	2.752	2.683	2.598	2.540	2.508	2.538	2.664	2.868	2.885	2.826	2.733	2.590	2.405
02/01/04	2.256	2.198	2.174	2.194	2.238	2.334	2.474	2.638	2.711	2.710	2.677	2.613	2.553	2.476	2.425	2.391	2.443	2.600	2.788	2.842	2.789	2.707	2.523	2.326
02/02/04	2.235	2.183	2.189	2.214	2.338	2.612	3.022	3.215	3.143	3.054	2.966	2.855	2.791	2.767	2.698	2.702	2.702	2.837	3.068	3.078	3.049	2.932	2.682	2.439
02/03/04	2.318	2.281	2.242	2.273	2.366	2.676	3.060	3.242	3.172	3.054	2.966	2.852	2.792	2.766	2.693	2.693	2.707	2.856	3.066	3.074	3.035	2.931	2.712	2.466
02/04/04	2.381	2.349	2.313	2.348	2.446	2.769	3.162	3.353	3.272	3.122	3.014	2.926	2.828	2.794	2.728	2.712	2.730	2.898	3.124	3.129	3.092	2.992	2.771	2.522
02/05/04	2.410	2.377	2.342	2.382	2.482	2.811	3.208	3.404	3.321	3.156	3.040	2.946	2.884	2.807	2.738	2.719	2.734	2.914	3.150	3.154	3.119	3.021	2.797	2.547
02/06/04	2.471	2.438	2.430	2.473	2.615	2.860	3.318	3.554	3.450	3.290	3.155	2.986	2.826	2.738	2.690	2.690	2.731	2.853	3.101	3.098	3.021	2.990	2.843	2.643
02/07/04	2.526	2.454	2.457	2.485	2.547	2.681	2.904	3.139	3.091	3.169	3.048	2.919	2.812	2.692	2.619	2.571	2.642	2.851	3.099	3.145	3.100	3.007	2.805	2.583
02/08/04	2.460	2.415	2.451	2.495	2.652	2.951	3.411	3.663	3.571	3.425	3.280	3.107	2.996	2.943	2.839	2.850	2.864	3.052	3.328	3.300	3.276	3.150	2.899	2.647
02/09/04	2.464	2.435	2.401	2.443	2.546	2.885	3.288	3.489	3.397	3.225	3.091	2.985	2.872	2.831	2.755	2.738	2.759	2.952	3.201	3.199	3.167	3.069	2.847	2.594
02/10/04	2.322	2.286	2.248	2.278	2.371	2.682	3.066	3.248	3.177	3.046	2.956	2.795	2.708	2.694	2.694	2.694	2.709	2.859	3.069	3.077	3.038	2.935	2.715	2.469
02/11/04	2.348	2.311	2.262	2.289	2.416	2.651	3.082	3.272	3.190	3.073	2.984	2.857	2.798	2.776	2.708	2.787	2.780	2.813	2.943	2.974	2.933	2.886	2.759	2.517
02/12/04	2.318	2.274	2.262	2.289	2.416	2.651	3.082	3.272	3.190	3.073	2.984	2.857	2.798	2.776	2.708	2.787	2.780	2.813	2.943	2.974	2.933	2.886	2.759	2.517
02/13/04	2.318	2.274	2.262	2.289	2.416	2.651	3.082	3.272	3.190	3.073	2.984	2.857	2.798	2.776	2.708	2.787	2.780	2.813	2.943	2.974	2.933	2.886	2.759	2.517
02/14/04	2.323	2.248	2.237	2.250	2.293	2.414	2.597	2.786	2.872	2.879	2.825	2.733	2.662	2.578	2.520	2.488	2.517	2.642	2.843	2.860	2.804	2.716	2.580	2.403
02/15/04	2.273	2.216	2.193	2.214	2.250	2.358	2.502	2.670	2.741	2.736	2.698	2.629	2.565	2.485	2.433	2.398	2.450	2.611	2.805	2.858	2.805	2.724	2.539	2.342
02/16/04	2.178	2.124	2.124	2.146	2.260	2.519	2.907	3.083	3.026	2.964	2.899	2.806	2.755	2.737	2.676	2.680	2.679							

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/04	2,049	2,004	2,002	2,033	2,120	2,363	2,782	2,936	2,892	2,795	2,761	2,684	2,626	2,598	2,584	2,596	2,685	2,814	2,843	2,780	2,672	2,446	2,214	
03/02/04	2,156	2,113	2,089	2,128	2,201	2,451	2,823	2,997	2,948	2,846	2,768	2,710	2,650	2,602	2,567	2,585	2,678	2,841	2,876	2,823	2,705	2,506	2,278	
03/03/04	2,156	2,113	2,089	2,128	2,201	2,451	2,823	2,997	2,948	2,846	2,768	2,710	2,650	2,602	2,567	2,585	2,678	2,841	2,876	2,823	2,705	2,506	2,278	
03/04/04	2,156	2,113	2,089	2,128	2,201	2,451	2,823	2,997	2,948	2,846	2,768	2,710	2,650	2,602	2,567	2,585	2,678	2,841	2,876	2,823	2,705	2,506	2,278	
03/05/04	2,156	2,113	2,089	2,128	2,201	2,451	2,823	2,997	2,948	2,846	2,768	2,710	2,650	2,602	2,567	2,585	2,678	2,841	2,876	2,823	2,705	2,506	2,278	
03/06/04	2,192	2,084	2,069	2,088	2,198	2,409	2,793	2,952	2,891	2,746	2,651	2,589	2,522	2,504	2,524	2,579	2,688	2,729	2,759	2,688	2,644	2,499	2,309	
03/07/04	2,146	2,092	2,070	2,089	2,122	2,223	2,356	2,511	2,579	2,576	2,543	2,481	2,423	2,350	2,268	2,317	2,466	2,646	2,696	2,646	2,570	2,396	2,211	
03/08/04	2,152	2,107	2,116	2,141	2,263	2,525	2,921	3,112	3,039	2,941	2,847	2,731	2,663	2,636	2,570	2,572	2,708	2,935	2,941	2,917	2,808	2,673	2,343	
03/09/04	2,312	2,298	2,279	2,331	2,440	2,767	3,157	3,356	3,268	3,109	2,987	2,889	2,783	2,741	2,667	2,645	2,655	2,818	3,034	3,029	2,989	2,889	2,674	
03/10/04	2,226	2,193	2,159	2,189	2,278	2,575	2,940	3,115	3,043	2,912	2,820	2,744	2,659	2,630	2,572	2,558	2,721	2,925	2,931	2,895	2,800	2,593	2,361	
03/11/04	2,174	2,138	2,100	2,129	2,214	2,499	2,875	3,053	2,964	2,844	2,768	2,704	2,629	2,554	2,548	2,684	2,876	2,886	2,849	2,753	2,545	2,315		
03/12/04	2,177	2,105	2,092	2,102	2,139	2,249	2,416	2,586	2,671	2,687	2,646	2,569	2,508	2,433	2,352	2,379	2,492	2,673	2,689	2,636	2,551	2,422	2,256	
03/13/04	2,170	2,145	2,122	2,145	2,186	2,312	2,486	2,651	2,724	2,678	2,591	2,481	2,397	2,340	2,271	2,233	2,282	2,431	2,689	2,695	2,663	2,538	2,365	
03/14/04	2,156	2,113	2,089	2,128	2,201	2,451	2,823	2,997	2,948	2,846	2,768	2,710	2,650	2,602	2,567	2,585	2,678	2,841	2,876	2,823	2,705	2,506	2,278	
03/15/04	2,004	2,004	2,002	2,033	2,120	2,363	2,782	2,936	2,892	2,795	2,761	2,684	2,626	2,598	2,584	2,596	2,685	2,814	2,843	2,780	2,672	2,446	2,214	
03/16/04	2,156	2,113	2,089	2,128	2,201	2,451	2,823	2,997	2,948	2,846	2,768	2,710	2,650	2,602	2,567	2,585	2,678	2,841	2,876	2,823	2,705	2,506	2,278	
03/17/04	2,156	2,113	2,089	2,128	2,201	2,451	2,823	2,997	2,948	2,846	2,768	2,710	2,650	2,602	2,567	2,585	2,678	2,841	2,876	2,823	2,705	2,506	2,278	
03/18/04	2,156	2,113	2,089	2,128	2,201	2,451	2,823	2,997	2,948	2,846	2,768	2,710	2,650	2,602	2,567	2,585	2,678	2,841	2,876	2,823	2,705	2,506	2,278	
03/19/04	2,008	1,964	1,960	1,968	2,028	2,241	2,595	2,727	2,706	2,658	2,628	2,613	2,568	2,547	2,528	2,527	2,548	2,628	2,655	2,587	2,509	2,342	2,166	
03/20/04	1,954	1,924	1,909	1,927	1,963	2,044	2,281	2,406	2,478	2,414	2,414	2,414	2,414	2,414	2,414	2,414	2,414	2,414	2,414	2,414	2,414	2,414	2,414	
03/21/04	1,970	1,945	1,899	1,916	2,017	2,227	2,553	2,682	2,708	2,699	2,710	2,680	2,696	2,706	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	
03/22/04	2,180	1,945	1,899	1,916	2,017	2,227	2,553	2,682	2,708	2,699	2,710	2,680	2,696	2,706	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	
03/23/04	2,025	1,954	1,937	1,956	2,038	2,265	2,596	2,738	2,702	2,661	2,650	2,631	2,616	2,601	2,603	2,612	2,604	2,638	2,767	2,797	2,715	2,597	2,373	
03/24/04	2,036	1,961	1,943	1,962	2,044	2,265	2,589	2,736	2,708	2,675	2,673	2,662	2,649	2,649	2,662	2,656	2,656	2,683	2,800	2,827	2,745	2,625	2,394	
03/25/04	2,036	1,961	1,943	1,962	2,044	2,265	2,589	2,736	2,708	2,675	2,673	2,662	2,649	2,649	2,662	2,656	2,656	2,683	2,800	2,827	2,745	2,625	2,394	
03/26/04	2,079	2,023	2,010	2,008	2,056	2,246	2,581	2,727	2,738	2,722	2,721	2,738	2,722	2,717	2,737	2,746	2,739	2,769	2,778	2,706	2,610	2,422	2,232	
03/27/04	1,975	1,940	1,919	1,933	1,965	2,100	2,269	2,395	2,480	2,487	2,438	2,342	2,272	2,174	2,128	2,119	2,119	2,119	2,119	2,119	2,119	2,119	2,119	
03/28/04	2,044	1,984	1,943	1,943	1,948	2,014	2,108	2,222	2,326	2,392	2,410	2,413	2,415	2,401	2,389	2,419	2,434	2,514	2,627	2,627	2,393	2,321	2,195	
03/29/04	2,078	2,029	1,957	1,963	2,058	2,241	2,546	2,701	2,781	2,828	2,891	2,911	2,976	3,024	3,074	3,118	3,124	3,126	3,111	3,119	3,039	2,898	2,616	
03/30/04	2,185	2,080	2,038	2,039	2,106	2,285	2,570	2,736	2,746	2,748	2,887	2,811	2,825	2,856	2,887	2,886	2,886	2,886	2,886	2,886	2,886	2,886	2,886	
03/31/04	2,115	2,025	1,994	2,001	2,074	2,270	2,570	2,736	2,746	2,748	2,887	2,811	2,825	2,856	2,887	2,886	2,886	2,886	2,886	2,886	2,886	2,886	2,886	
04/01/04	2,204	2,110	2,077	2,087	2,160	2,359	2,662	2,831	2,846	2,843	2,875	2,897	2,912	2,928	2,960	2,989	2,985	2,983	3,053	3,064	2,982	2,847	2,589	
04/02/04	2,234	2,167	2,146	2,135	2,174	2,345	2,668	2,830	2,870	2,882	2,909	2,956	2,956	3,000	3,030	3,034	3,045	3,017	3,003	2,996	2,919	2,805	2,594	
04/03/04	2,076	2,037	2,010	2,022	2,050	2,181	2,346	2,475	2,568	2,548	2,544	2,463	2,404	2,316	2,277	2,263	2,276	2,366	2,524	2,597	2,522	2,443	2,308	
04/04/04	2,063	2,018	1,991	2,003	2,023	2,115	2,235	2,344	2,420	2,444	2,414	2,361	2,317	2,257	2,205	2,204	2,213	2,327	2,509	2,634	2,581	2,465	2,293	
04/05/04	2,032	2,003	1,967	1,989	2,095	2,319	2,660	2,778	2,779	2,744	2,730	2,665	2,644	2,634	2,630	2,639	2,699	2,806	2,851	2,777	2,668	2,439	2,200	
04/06/04	2,125	2,049	2,029	2,046	2,128	2,351	2,681	2,829	2,802	2,769	2,764	2,753	2,743	2,734	2,741	2,754	2,748	2,774	2,893	2,921	2,838	2,715	2,483	
04/07/04	2,198	2,159	2,119	2,140	2,219	2,490	2,835	2,994	2,946	2,855	2,796	2,745	2,681	2,664	2,617	2,606	2,618	2,734	2,910	2,924	2,881	2,781	2,573	
04/08/04	2,341	2,308	2,273	2,309	2,402	2,709	3,082	3,265	3,190	3,042	2,941	2,858	2,766	2,735	2,655	2,668	2,829	3,046	3,052	3,017	2,923	2,711	2,474	
04/09/04	2,195	2,147	2,131	2,148	2,256	2,466	2,847	3,004	2,947	2,870	2,816	2,727	2,691	2,672	2,608	2,589	2,610	2,646	2,804	2,835	2,763	2,716	2,567	
04/10/04	2,181	2,104	2,083	2,085	2,114	2,211	2,360	2,514	2,619	2,671	2,659	2,605	2,559	2,448	2,423	2,449	2,449	2,559	2,718	2,716	2,658	2,566	2,433	
04/11/04	2,040	2,002	1,981	1,998	2,024	2,128	2,259	2,365	2,428	2,434	2,384	2,307	2,241	2,162	2,091	2,076	2,083	2,211	2,423	2,562	2,507	2,402	2,243	
04/12/04	2,053	2,020	1,976	1,995	2,098	2,314	2,648	2,775	2,793	2,777	2,781	2,744	2,750	2,746	2,751	2,758	2,758	2,812	2,890	2,928	2,853	2,736	2,484	
04/13/04	2,241	2,198	2,176	2,213	2,287	2,540	2,917	3,093	3,044	2,940	2,862	2,802	2,742	2,711	2,693	2,657	2,676	2,770	2,935	2,971	2,917	2,797	2,596	
04/14/04	2,152	2,070	2,047	2,059	2,138	2,352	2,671	2,827	2,813	2,793	2,802	2,803	2,801	2,801	2,817	2,836	2,833	2,848	2,948	2,970	2,887	2,760	2,519	
04/15/04	2,242	2,197	2,173	2,215	2,289	2,542	2,918	3,095	3,048	2,937	2,861	2,803	2,742	2,711	2,694	2,655	2,670	2,768	2,935	2,971	2,917	2,799	2,596	
04/16/04	2,190	2,129	2,113	2,108	2,153	2,337	2,669	2,822	2,845	2,839	2,849	2,878	2,865	2,895	2,912	2,909	2,917	2,902	2,915	2,919	2,844	2,740	2,542	
04/17/04	2,101	2,056	2,024	2,031	2,054	2,178	2,334	2,465	2,568	2,599	2,578	2,509	2,466	2,392	2,364	2,361	2,375	2,451	2,587	2,654	2,578	2,491	2,347	
04/18/04	2,089	2,037	2,004	2,011	2,024	2,106	2,215	2,326	2,415	2,457	2,448	2,419	2,395											

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
05/01/04	2,490	2,392	2,296	2,268	2,242	2,330	2,437	2,608	2,814	2,979	3,109	3,168	3,260	3,293	3,355	3,431	3,456	3,426	3,406	3,414	3,303	3,140	2,899	2,644
05/02/04	2,521	2,409	2,316	2,284	2,248	2,261	2,311	2,465	2,664	2,861	3,009	3,150	3,274	3,367	3,443	3,533	3,572	3,583	3,549	3,569	3,501	3,281	2,985	2,654
05/03/04	2,397	2,326	2,217	2,214	2,317	2,500	2,828	3,027	3,171	3,271	3,391	3,455	3,575	3,665	3,755	3,831	3,841	3,812	3,727	3,704	3,606	3,428	3,074	2,722
05/04/04	2,589	2,434	2,363	2,449	2,411	2,574	2,847	3,049	3,217	3,348	3,448	3,557	3,641	3,718	3,814	3,902	3,914	3,832	3,789	3,744	3,641	3,452	3,104	2,766
05/05/04	2,479	2,342	2,284	2,277	2,345	2,526	2,820	3,049	3,133	3,203	3,301	3,382	3,444	3,520	3,580	3,659	3,660	3,600	3,593	3,569	3,472	3,295	2,966	2,644
05/06/04	2,319	2,211	2,172	2,181	2,263	2,482	2,819	3,013	3,035	3,038	3,079	3,108	3,129	3,151	3,190	3,226	3,223	3,216	3,286	3,296	3,204	3,030	2,757	2,466
05/07/04	2,307	2,236	2,216	2,208	2,256	2,458	2,828	3,025	3,035	3,036	3,053	3,083	3,121	3,145	3,145	3,145	3,155	3,134	3,138	3,138	3,052	2,932	2,705	2,481
05/08/04	2,205	2,151	2,111	2,117	2,139	2,276	2,447	2,595	2,715	2,758	2,743	2,674	2,634	2,558	2,532	2,533	2,550	2,628	2,771	2,842	2,756	2,654	2,487	2,202
05/09/04	2,172	2,115	2,079	2,087	2,104	2,197	2,321	2,446	2,544	2,588	2,574	2,538	2,507	2,459	2,417	2,429	2,442	2,557	2,733	2,861	2,801	2,661	2,457	2,210
05/10/04	2,307	2,203	2,061	2,079	2,193	2,429	2,797	2,984	2,982	2,982	3,001	2,974	2,996	3,006	3,023	3,040	3,089	3,188	3,103	3,188	3,065	2,862	2,692	2,392
05/11/04	2,444	2,307	2,165	2,174	2,256	2,479	2,819	3,009	3,024	3,030	3,064	3,088	3,106	3,125	3,160	3,198	3,198	3,190	3,265	3,184	3,030	2,743	2,454	
05/12/04	2,481	2,344	2,285	2,278	2,346	2,527	2,821	3,049	3,134	3,204	3,303	3,357	3,444	3,505	3,583	3,653	3,663	3,604	3,595	3,572	3,474	3,297	2,968	2,646
05/13/04	2,507	2,364	2,302	2,295	2,362	2,538	2,827	3,062	3,159	3,230	3,337	3,426	3,494	3,558	3,641	3,712	3,718	3,652	3,642	3,614	3,516	3,337	3,001	2,675
05/14/04	2,531	2,433	2,391	2,360	2,379	2,527	2,860	3,1075	3,188	3,280	3,357	3,482	3,527	3,626	3,703	3,731	3,757	3,684	3,577	3,526	3,426	3,263	2,981	2,728
05/15/04	2,446	2,354	2,264	2,240	2,221	2,314	2,427	2,594	2,729	2,839	2,939	3,031	3,117	3,208	3,244	3,312	3,336	3,318	3,316	3,226	3,071	2,838	2,591	2,298
05/16/04	2,444	2,340	2,257	2,231	2,204	2,227	2,286	2,435	2,618	2,791	2,916	3,032	3,134	3,208	3,270	3,367	3,388	3,413	3,406	3,442	3,378	3,169	2,886	2,567
05/17/04	2,505	2,426	2,299	2,288	2,390	2,557	2,874	3,087	3,262	3,390	3,537	3,624	3,769	3,876	3,984	4,073	4,084	4,040	3,920	3,876	3,772	3,585	3,212	2,843
05/18/04	2,755	2,606	2,520	2,497	2,551	2,689	2,930	3,216	3,384	3,531	3,707	3,859	3,972	4,193	4,304	4,417	4,208	4,124	4,043	3,925	3,722	3,346	2,986	2,686
05/19/04	2,760	2,580	2,497	2,475	2,529	2,669	2,914	3,195	3,356	3,496	3,668	3,815	3,923	4,020	4,139	4,245	4,260	4,154	4,074	3,999	3,882	3,682	3,309	2,951
05/20/04	2,758	2,574	2,491	2,472	2,527	2,668	2,914	3,195	3,358	3,490	3,661	3,808	3,916	4,013	4,131	4,235	4,244	4,142	4,066	3,993	3,877	3,678	3,304	2,947
05/21/04	2,755	2,680	2,626	2,575	2,568	2,673	2,990	3,244	3,427	3,569	3,720	3,924	4,007	4,152	4,266	4,313	4,355	4,256	4,072	3,969	3,850	3,657	3,324	2,954
05/22/04	2,685	2,570	2,447	2,406	2,356	2,430	2,516	2,704	2,952	3,172	3,371	3,480	3,631	3,699	3,797	3,897	3,922	3,854	3,774	3,750	3,617	3,433	3,160	2,878
05/23/04	2,733	2,681	2,488	2,445	2,389	2,384	2,420	2,588	2,817	3,065	3,262	3,451	3,619	3,741	3,841	3,974	3,974	3,877	3,877	3,877	3,797	3,553	3,233	2,877
05/24/04	2,775	2,604	2,516	2,491	2,594	2,732	3,031	3,264	3,500	3,746	3,986	4,179	4,345	4,439	4,546	4,657	4,557	4,500	4,324	4,235	4,117	3,923	3,518	3,119
05/25/04	2,993	2,784	2,686	2,659	2,708	2,829	3,047	3,366	3,569	3,746	3,959	4,143	4,274	4,386	4,524	4,651	4,662	4,537	4,435	4,322	4,185	3,974	3,580	3,204
05/26/04	3,273	3,018	2,898	2,855	2,889	2,981	3,157	3,508	3,731	3,925	4,177	4,375	4,507	4,687	4,876	4,876	4,766	4,668	4,546	4,411	4,226	3,841	3,480	3,064
05/27/04	3,269	3,012	2,892	2,850	2,885	2,976	3,154	3,505	3,730	3,916	4,158	4,365	4,497	4,598	4,737	4,863	4,850	4,746	4,668	4,546	4,411	4,226	3,841	3,480
05/28/04	3,226	3,081	2,905	2,932	2,879	2,930	3,239	3,528	3,762	3,941	4,134	4,415	4,499	4,669	4,791	4,832	4,885	4,815	4,606	4,471	4,354	4,169	3,814	3,569
05/29/04	3,094	2,964	2,801	2,749	2,659	2,734	2,807	3,023	3,327	3,620	3,909	4,063	4,288	4,373	4,508	4,628	4,645	4,540	4,406	4,344	4,163	3,968	3,659	3,352
05/30/04	3,074	2,929	2,787	2,735	2,653	2,639	2,672	2,860	3,117	3,422	3,664	3,892	4,095	4,237	4,344	4,499	4,485	4,456	4,339	4,309	4,207	3,941	3,601	3,216
05/31/04	3,068	2,934	2,782	2,743	2,661	2,650	2,693	2,864	3,176	3,528	3,772	4,060	4,246	4,337	4,511	4,672	4,672	4,572	4,474	4,433	4,265	3,999	3,616	3,216
06/01/04	3,102	2,893	2,796	2,769	2,685	2,673	2,717	2,844	3,144	3,488	3,827	4,042	4,229	4,359	4,468	4,604	4,731	4,740	4,516	4,396	4,259	4,055	3,673	3,309
06/02/04	2,910	2,723	2,637	2,613	2,662	2,786	3,006	3,293	3,467	3,620	3,807	3,966	4,081	4,182	4,306	4,418	4,431	4,320	4,230	4,139	3,822	3,454	3,102	2,788
06/03/04	2,880	2,696	2,611	2,590	2,640	2,767	2,991	3,274	3,446	3,588	3,769	3,927	4,037	4,136	4,257	4,364	4,373	4,268	4,184	4,099	3,981	3,787	3,420	3,070
06/04/04	2,825	2,712	2,661	2,613	2,608	2,710	3,014	3,255	3,420	3,566	3,702	3,894	3,972	4,109	4,216	4,262	4,301	4,206	4,033	3,937	3,824	3,641	3,324	3,066
06/05/04	2,619	2,518	2,415	2,382	2,347	2,425	2,517	2,687	2,902	3,083	3,237	3,316	3,429	3,477	3,553	3,656	3,660	3,615	3,568	3,563	3,448	3,283	3,038	2,782
06/06/04	2,555	2,480	2,359	2,349	2,446	2,606	2,910	3,113	3,280	3,401	3,541	3,624	3,763	3,864	3,968	4,052	4,063	4,021	3,907	3,865	3,766	3,587	3,231	2,878
06/07/04	2,491	2,367	2,315	2,312	2,380	2,563	2,855	3,064	3,131	3,184	3,263	3,327	3,377	3,425	3,490	3,551	3,557	3,511	3,521	3,507	3,416	3,251	2,946	2,645
06/08/04	2,468	2,349	2,300	2,298	2,368	2,556	2,853	3,057	3,114	3,158	3,230	3,288	3,332	3,374	3,434	3,489	3,496	3,476	3,476	3,467	3,376	3,215	2,915	2,618
06/09/04	2,468	2,349	2,300	2,298	2,368	2,556	2,853	3,057	3,114	3,158	3,230	3,288	3,332	3,374	3,434	3,489	3,496	3,476	3,476	3,467	3,376	3,215	2,915	2,618
06/10/04	2,600	2,457	2,393	2,384	2,445	2,607	2,875	3,108	3,213	3,293	3,408	3,504	3,577	3,645	3,731	3,806	3,813	3,745	3,718	3,683	3,587	3,412	3,083	2,765
06/11/04	2,714	2,609	2,562	2,521	2,526	2,643	2,951	3,177	3,323	3,433	3,552	3,713	3,778	3,898	4,012	4,123	4,065	3,978	3,832	3,756	3,651	3,478	3,181	2,929
06/12/04	2,620	2,518	2,415	2,382	2,348	2,425	2,517	2,687	2,902	3,084	3,238	3,317	3,430	3,478	3,554	3,638	3,662	3,616	3,569	3,563	3,449	3,283	3,039	2,783
06/13/04	2,703	2,585	2,481	2,443	2,396	2,396	2,434	2,590	2,800	3,022	3,196	3,363	3,509	3,620	3,709	3,830	3,844	3,838	3,771	3,770	3,698	3,471	3,172	2,839
06/14/04	2,747	2,660	2,512	2,491	2,589	2,727	3,017	3,235	3,448	3,603	3,779	3,889	4,062	4,179	4,303	4,401	4,413	4,359	4,202	4,127	4,018	3,832	3,452	3,077
06/15/04	2,936	2,746	2,657	2,633	2,681	2,804	3,022	3,313	3,493	3,650	3,839	4,002	4,121	4,223	4,349	4,464	4,476	4,362	4,271	4,176	4,054	3,854	3,485	3,131
06/16/04	3,103	2,893	2,798	2,770	2,816	2,926	3,126	3,443	3,646	3,825	4,043	4,230	4,360	4,468	4,605	4,730	4,740							

# APS Own Load Hourly mW Forecast

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Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
07/01/04	3.404	3.187	3.092	3.067	3.109	3.198	3.361	3.685	3.897	4.074	4.301	4.498	4.626	4.725	4.859	4.982	4.981	4.865	4.772	4.637	4.491	4.305	3.943	3.604
07/02/04	3.379	3.263	3.219	3.155	3.117	3.169	3.452	3.720	3.940	4.111	4.296	4.561	4.645	4.808	4.926	4.973	5.033	4.949	4.738	4.592	4.462	4.275	3.937	3.701
07/03/04	3.320	3.206	3.053	3.008	2.917	2.988	3.050	3.245	3.521	3.791	4.060	4.198	4.409	4.480	4.602	4.711	4.722	4.623	4.499	4.441	4.271	4.104	3.828	3.556
07/04/04	3.706	3.576	3.420	3.380	3.273	3.268	3.295	3.491	3.740	4.064	4.311	4.543	4.753	4.882	4.969	5.138	5.076	5.080	4.925	4.917	4.815	4.554	4.231	3.840
07/05/04	3.517	3.410	3.256	3.232	3.134	3.123	3.167	3.316	3.608	3.944	4.176	4.493	4.685	4.756	4.923	5.074	5.076	4.987	4.793	4.733	4.525	4.337	4.095	3.835
07/06/04	3.734	3.484	3.380	3.354	3.398	3.374	3.605	3.977	4.215	4.420	4.676	4.901	5.033	5.123	5.267	5.405	5.396	5.264	5.172	5.010	4.840	4.654	4.287	3.943
07/07/04	3.706	3.459	3.357	3.330	3.374	3.449	3.583	3.951	4.186	4.388	4.644	4.868	4.999	5.089	5.232	5.369	5.362	5.231	5.139	4.979	4.810	4.624	4.258	3.914
07/08/04	3.961	3.687	3.577	3.553	3.600	3.660	3.764	4.174	4.433	4.646	4.923	5.168	5.301	5.381	5.534	5.677	5.659	5.511	5.416	5.247	5.068	4.886	4.514	4.171
07/09/04	4.000	3.899	3.895	3.828	3.738	3.768	4.072	4.393	4.653	4.950	5.282	5.448	5.515	5.718	5.867	5.999	6.023	5.899	5.887	5.723	5.544	5.366	4.994	4.666
07/10/04	4.194	4.093	3.862	3.818	3.628	3.749	3.781	3.967	4.279	4.590	4.928	5.059	5.362	5.411	5.530	5.719	5.704	5.499	5.307	5.137	5.106	4.977	4.669	4.366
07/11/04	3.961	3.836	3.666	3.637	3.507	3.511	3.725	3.992	4.345	4.614	4.884	5.112	5.271	5.373	5.588	5.588	5.510	5.475	5.298	5.323	5.237	4.950	4.597	4.148
07/12/04	3.680	3.595	3.350	3.311	3.439	3.515	3.753	3.976	4.287	4.483	4.736	4.872	5.112	5.352	5.458	5.428	5.195	5.065	4.944	4.802	4.624	4.458	4.109	3.854
07/13/04	3.647	3.406	3.304	3.277	3.321	3.400	3.541	3.900	4.130	4.330	4.579	4.796	4.928	5.021	5.162	5.297	5.291	5.163	5.072	4.915	4.750	4.563	4.198	3.854
07/14/04	3.623	3.394	3.293	3.266	3.309	3.388	3.529	3.887	4.116	4.364	4.564	4.781	4.912	5.004	5.145	5.279	5.148	5.055	4.900	4.735	4.549	4.373	3.840	3.724
07/15/04	3.735	3.475	3.371	3.347	3.391	3.466	3.599	3.971	4.209	4.407	4.665	4.890	5.022	5.112	5.256	5.390	5.379	5.250	5.161	5.000	4.830	4.646	4.277	3.933
07/16/04	3.460	3.343	3.301	3.235	3.192	3.237	3.522	3.797	4.033	4.197	4.388	4.665	4.747	4.913	5.033	5.078	5.143	5.060	4.843	4.691	4.559	4.370	4.027	3.792
07/17/04	3.479	3.367	3.201	3.156	3.050	3.129	3.191	3.391	3.678	3.960	4.248	4.386	4.614	4.678	4.802	4.924	4.814	4.685	4.627	4.442	4.281	4.128	3.998	3.724
07/18/04	3.305	3.175	3.043	2.997	2.917	2.906	2.935	3.106	3.337	3.619	3.841	4.048	4.234	4.359	4.451	4.592	4.569	4.434	4.435	4.208	4.074	3.972	3.772	3.426
07/19/04	3.410	3.318	3.112	3.075	3.184	3.270	3.514	3.733	4.013	4.199	4.424	4.556	4.770	4.876	5.009	5.112	5.113	5.078	4.875	4.748	4.628	4.470	4.090	3.710
07/20/04	3.540	3.310	3.210	3.184	3.226	3.310	3.461	3.619	4.026	4.219	4.458	4.666	4.797	4.893	5.031	5.162	5.160	5.036	4.944	4.795	4.638	4.450	4.087	3.745
07/21/04	3.577	3.344	3.245	3.218	3.260	3.342	3.488	3.837	4.061	4.256	4.501	4.713	4.843	4.938	5.077	5.209	5.207	5.082	4.989	4.837	4.677	4.490	4.126	3.783
07/22/04	3.176	2.984	2.897	2.874	2.916	3.016	3.200	3.489	3.677	3.833	4.032	4.203	4.322	4.421	4.545	4.657	4.662	4.554	4.463	4.356	4.230	4.046	3.695	3.364
07/23/04	3.305	3.189	3.143	3.082	3.049	3.107	3.387	3.649	3.863	4.029	4.208	4.461	4.546	4.705	4.822	4.870	4.926	4.840	4.635	4.495	4.369	4.184	3.851	3.613
07/24/04	2.984	2.876	2.752	2.711	2.652	2.714	2.781	2.956	3.196	3.420	3.632	3.750	3.913	3.984	4.087	4.185	4.205	4.128	4.031	3.993	3.859	3.691	3.437	3.179
07/25/04	2.975	2.857	2.748	2.707	2.650	2.642	2.671	2.823	3.032	3.267	3.455	3.633	3.791	3.907	3.999	4.122	4.125	4.107	4.021	4.003	3.927	3.707	3.437	3.179
07/26/04	3.107	3.018	2.851	2.821	2.916	3.021	3.273	3.485	3.723	3.891	4.085	4.206	4.394	4.505	4.631	4.730	4.738	4.691	4.514	4.412	4.301	4.132	3.766	3.403
07/27/04	3.350	3.140	3.045	3.019	3.061	3.153	3.321	3.635	3.841	4.020	4.239	4.429	4.555	4.655	4.787	4.911	4.914	4.797	4.702	4.572	4.431	4.243	3.886	3.547
07/28/04	3.294	3.090	2.998	2.972	3.013	3.107	3.279	3.586	3.851	4.173	4.481	4.722	4.838	4.881	4.711	4.722	4.358	4.627	4.627	4.503	4.366	4.180	3.824	3.488
07/29/04	3.554	3.321	3.222	3.197	3.240	3.323	3.472	3.819	4.043	4.230	4.473	4.684	4.814	4.910	5.049	5.177	5.171	5.051	4.960	4.811	4.653	4.467	4.101	3.759
07/30/04	3.673	3.555	3.522	3.449	3.390	3.417	3.707	3.996	4.232	4.411	4.614	4.921	4.993	5.168	5.291	5.329	5.407	5.327	5.091	4.928	4.793	4.598	4.245	4.018
07/31/04	3.545	3.433	3.263	3.217	3.105	3.188	3.249	3.451	3.741	4.028	4.321	4.694	4.822	4.879	4.998	5.002	4.887	4.755	4.700	4.510	4.351	4.066	3.790	3.490
08/01/04	3.473	3.335	3.188	3.140	3.049	3.038	3.070	3.256	3.505	3.815	4.056	4.281	4.483	4.615	4.709	4.863	4.829	4.802	4.684	4.658	4.553	4.296	3.974	3.600
08/02/04	3.665	3.572	3.327	3.286	3.414	3.497	3.749	3.982	4.200	4.450	4.760	4.903	5.145	5.252	5.396	5.507	5.502	5.475	5.241	5.063	4.975	4.820	4.413	4.003
08/03/04	3.730	3.475	3.368	3.340	3.386	3.468	3.615	3.995	4.239	4.450	4.713	4.943	5.082	5.179	5.328	5.470	5.464	5.328	5.232	5.066	4.892	4.695	4.311	3.949
08/04/04	3.534	3.299	3.197	3.169	3.213	3.303	3.467	3.818	4.045	4.243	4.490	4.704	4.839	4.941	5.085	5.220	5.220	5.093	4.994	4.844	4.683	4.486	4.106	3.746
08/05/04	3.789	3.526	3.417	3.392	3.438	3.517	3.658	4.078	4.298	4.516	4.776	5.012	5.151	5.246	5.397	5.538	5.526	5.478	5.297	5.129	4.951	4.757	4.369	4.007
08/06/04	3.681	3.565	3.379	3.332	3.206	3.298	3.361	3.574	3.883	4.189	4.504	4.648	4.902	4.963	5.094	5.223	5.225	5.098	4.956	4.901	4.696	4.532	4.230	3.938
08/07/04	3.724	3.586	3.425	3.381	3.272	3.266	3.296	3.499	3.758	4.094	4.350	4.590	4.828	4.941	5.032	5.205	5.148	5.121	4.990	4.978	4.869	4.599	4.263	3.859
08/08/04	3.685	3.592	3.345	3.304	3.433	3.515	3.766	4.000	4.320	4.524	4.783	4.926	5.171	5.277	5.422	5.532	5.532	5.408	5.264	5.127	4.999	4.845	4.438	4.027
08/09/04	4.461	4.099	3.945	3.891	3.921	3.915	3.920	4.003	4.245	4.495	4.688	4.910	5.256	5.356	5.656	5.702	5.872	5.833	5.719	5.595	5.458	5.311	4.961	4.648
08/10/04	4.234	3.900	3.757	3.706	3.735	3.757	3.808	4.252	4.522	4.747	5.034	5.288	5.405	5.459	5.610	5.749	5.770	5.622	5.541	5.403	5.253	5.102	4.751	4.432
08/11/04	3.778	3.517	3.409	3.383	3.429	3.509	3.650	4.039	4.288	4.495	4.765	5.000	5.139	5.234	5.385	5.526	5.514	5.380	5.286	5.118	4.941	4.747	4.359	3.997
08/12/04	3.925	3.802	3.775	3.693	3.615	3.625	3.930	4.245	4.499	4.688	4.910	5.256	5.322	5.513	5.648	5.648	5.514	5.380	5.286	5.118	4.941	4.747	4.359	3.997
08/13/04	3.687	3.549	3.390	3.344	3.217	3.310	3.373	3.586	3.896	4.202	4.519	4.662	4.918	4.978	5.109	5.239	5.240	5.112	4.969	4.915	4.709	4.546	4.244	3.951
08/14/04	3.695	3.578	3.392	3.344	3.217	3.310	3.373	3.586	3.896	4.202	4.519	4.662	4.918	4.978	5.109	5.239	5.240	5.112	4.969	4.915	4.709	4.546	4.244	3.951
08/15/04	3.687	3.549	3.390	3.344	3.217	3.310	3.373	3.586	3.896	4.202	4.519	4.662	4.918	4.978	5.109	5.239	5.240	5.112	4.969	4.915	4.709	4.546	4.244	3.951
08/16/04	3.735	3.645	3.389	3.348	3.480	3.562	3.812	4.047	4.372	4.578	4.843	4.945	5.237	5.342										

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
09/01/04	2,927	2,721	2,627	2,600	2,646	2,758	2,962	3,274	3,473	3,647	3,860	4,043	4,170	4,278	4,413	4,536	4,547	4,426	4,325	4,211	4,076	3,874	3,492	3,130
09/02/04	3,064	2,841	2,741	2,715	2,761	2,866	3,058	3,391	3,609	3,791	4,023	4,223	4,359	4,468	4,610	4,738	4,741	4,619	4,517	4,386	4,238	4,035	3,644	3,276
09/03/04	3,201	3,073	3,025	2,955	2,912	2,968	3,278	3,575	3,817	4,005	4,210	4,504	4,955	4,905	4,956	5,023	4,931	4,698	4,536	4,394	4,188	3,815	3,556	3,075
09/04/04	2,845	2,724	2,579	2,531	2,458	2,526	2,597	2,796	3,072	3,354	3,587	3,726	3,921	4,002	4,124	4,255	4,162	4,045	3,994	3,836	3,650	3,363	3,075	2,645
09/05/04	3,072	2,931	2,787	2,736	2,651	2,638	2,670	2,856	3,108	3,344	3,655	3,881	4,083	4,220	4,322	4,425	4,452	4,424	4,307	4,276	4,173	3,913	3,583	3,206
09/06/04	3,442	3,334	3,164	3,144	3,031	3,017	3,072	3,240	3,559	3,924	4,179	4,543	4,761	4,832	5,018	5,183	5,176	5,069	4,849	4,773	4,544	4,345	4,100	3,826
09/07/04	3,241	3,001	2,895	2,866	2,912	3,009	3,185	3,449	3,778	4,181	4,232	4,449	4,591	4,699	4,987	4,988	4,856	4,753	4,600	4,438	4,231	3,836	3,462	3,084
09/08/04	3,359	3,107	2,999	2,970	3,016	3,107	3,272	3,649	3,892	4,103	4,367	4,597	4,739	4,844	4,996	5,138	5,002	4,900	4,737	4,564	4,359	3,960	3,584	3,242
09/09/04	3,486	3,220	3,108	3,081	3,129	3,214	3,368	3,765	4,020	4,233	4,509	4,750	4,894	4,996	5,151	5,296	5,286	5,149	5,051	4,879	4,698	4,495	4,091	3,714
09/10/04	3,552	3,422	3,386	3,303	3,233	3,257	3,384	3,892	4,152	4,348	4,571	4,813	4,988	5,180	5,315	5,354	5,441	5,355	5,094	4,917	4,772	4,560	4,174	3,929
09/11/04	3,167	3,042	2,871	2,821	2,717	2,797	2,865	3,081	3,388	3,688	3,990	4,141	4,379	4,455	4,589	4,711	4,722	4,610	4,472	4,408	4,216	4,034	3,729	3,430
09/12/04	3,192	3,049	2,898	2,847	2,754	2,742	2,775	2,968	3,226	3,546	3,796	4,029	4,238	4,375	4,474	4,633	4,600	4,572	4,450	4,422	4,313	4,048	3,712	3,325
09/13/04	3,094	2,993	2,783	2,745	2,858	2,959	3,230	3,468	3,759	3,937	4,192	4,484	4,558	4,678	4,822	4,933	4,937	4,894	4,681	4,550	4,421	4,242	3,830	3,418
09/14/04	3,236	2,997	2,891	2,862	2,908	3,005	3,182	3,540	3,773	3,977	4,227	4,444	4,585	4,693	4,841	4,982	4,850	4,747	4,595	4,477	4,276	4,026	3,831	3,457
09/15/04	3,276	3,033	2,927	2,897	2,943	3,038	3,210	3,575	3,811	4,016	4,272	4,494	4,635	4,742	4,892	5,032	5,033	4,901	4,797	4,642	4,475	4,270	3,872	3,498
09/16/04	3,352	3,099	2,991	2,963	3,010	3,102	3,268	3,645	3,889	4,093	4,357	4,587	4,730	4,835	4,987	5,121	5,121	4,990	4,890	4,729	4,557	4,353	3,952	3,576
09/17/04	3,163	3,035	2,986	2,917	2,877	2,936	3,245	3,538	3,778	3,964	4,165	4,453	4,546	4,723	4,853	4,904	4,970	4,877	4,647	4,488	4,347	4,142	3,772	3,512
09/18/04	3,066	2,881	2,723	2,673	2,585	2,657	2,726	2,935	3,228	3,512	3,792	3,940	4,159	4,240	4,370	4,486	4,502	4,399	4,269	4,209	4,033	3,847	3,550	3,255
09/19/04	3,075	2,934	2,790	2,739	2,654	2,641	2,672	2,859	3,111	3,417	3,659	3,885	4,087	4,224	4,326	4,479	4,456	4,428	4,310	4,280	4,177	3,917	3,586	3,209
09/20/04	3,115	3,015	2,802	2,763	2,877	2,977	3,248	3,486	3,780	3,979	4,216	4,359	4,585	4,704	4,848	4,960	4,964	4,921	4,707	4,574	4,444	4,266	3,853	3,441
09/21/04	2,878	2,678	2,585	2,559	2,666	2,722	2,932	3,236	3,429	3,598	3,801	3,976	4,101	4,208	4,339	4,460	4,460	4,432	4,254	4,147	4,017	3,815	3,438	3,079
09/22/04	2,993	2,780	2,683	2,655	2,701	2,809	3,006	3,329	3,536	3,717	3,940	4,171	4,262	4,371	4,510	4,637	4,646	4,522	4,419	4,296	4,155	3,951	3,566	3,200
09/23/04	2,736	2,553	2,468	2,447	2,497	2,624	2,849	3,132	3,303	3,444	3,624	3,779	3,891	3,990	4,111	4,218	4,227	4,122	4,038	3,954	3,837	3,642	3,275	2,926
09/24/04	2,634	2,524	2,474	2,430	2,429	2,528	2,843	3,078	3,238	3,344	3,494	3,672	3,744	3,874	3,977	4,019	4,056	3,964	3,802	3,715	3,606	3,427	3,118	2,862
09/25/04	2,857	2,735	2,590	2,542	2,467	2,535	2,606	2,806	3,084	3,347	3,603	3,742	3,940	4,021	4,143	4,255	4,274	4,181	4,063	4,011	3,852	3,665	3,377	3,088
09/26/04	2,623	2,501	2,391	2,350	2,298	2,294	2,329	2,489	2,706	2,942	3,128	3,306	3,463	3,581	3,676	3,802	3,813	3,801	3,723	3,714	3,638	3,406	3,101	2,761
09/27/04	2,447	2,369	2,243	2,231	2,328	2,485	2,786	2,992	3,168	3,296	3,423	3,532	3,677	3,783	3,890	3,978	3,989	3,944	3,821	3,773	3,672	3,491	3,130	2,773
09/28/04	2,842	2,647	2,555	2,530	2,578	2,697	2,910	3,208	3,396	3,560	3,757	3,928	4,050	4,155	4,284	4,403	4,414	4,297	4,202	4,100	3,973	3,772	3,398	3,041
09/29/04	2,563	2,405	2,333	2,316	2,372	2,518	2,767	3,018	3,150	3,263	3,405	3,516	3,616	3,698	3,800	3,893	3,905	3,816	3,758	3,703	3,599	3,414	3,070	2,738
09/30/04	2,411	2,275	2,217	2,211	2,275	2,446	2,724	2,947	3,103	3,203	3,349	3,486	3,635	3,759	3,866	3,951	3,959	3,502	3,490	3,465	3,372	3,201	2,881	2,571
10/01/04	2,340	2,253	2,218	2,193	2,217	2,365	2,685	2,879	2,970	3,029	3,100	3,233	3,314	3,378	3,399	3,420	3,360	3,279	3,242	3,152	3,005	2,750	2,518	2,192
10/02/04	2,228	2,153	2,083	2,068	2,063	2,161	2,283	2,474	2,596	2,705	2,773	2,920	2,822	2,845	2,843	2,856	2,911	2,920	2,957	2,989	2,897	2,765	2,565	2,349
10/03/04	2,228	2,141	2,073	2,057	2,041	2,077	2,145	2,239	2,433	2,567	2,654	2,731	2,799	2,845	2,883	2,956	2,977	3,018	3,049	3,102	3,046	2,864	2,614	2,328
10/04/04	2,295	2,226	2,118	2,112	2,208	2,376	2,680	2,872	3,018	3,121	3,243	3,311	3,432	3,522	3,613	3,688	3,699	3,666	3,574	3,546	3,452	3,281	2,942	2,606
10/05/04	2,464	2,315	2,246	2,232	2,289	2,440	2,693	2,931	3,050	3,152	3,278	3,378	3,468	3,543	3,637	3,722	3,734	3,653	3,608	3,513	3,463	3,283	2,953	2,632
10/06/04	2,510	2,354	2,283	2,266	2,321	2,464	2,709	2,956	3,086	3,198	3,338	3,457	3,546	3,627	3,728	3,818	3,831	3,743	3,686	3,631	3,529	3,347	3,008	2,682
10/07/04	2,678	2,498	2,414	2,394	2,443	2,568	2,789	3,067	3,235	3,374	3,551	3,703	3,814	3,911	4,031	4,135	4,144	4,041	3,958	3,876	3,760	3,569	3,208	2,865
10/08/04	2,638	2,526	2,476	2,428	2,422	2,522	2,820	3,058	3,230	3,363	3,505	3,696	3,773	3,910	4,017	4,061	4,101	4,007	3,835	3,738	3,627	3,445	3,132	2,878
10/09/04	2,592	2,480	2,358	2,316	2,263	2,331	2,408	2,589	2,833	3,054	3,258	3,371	3,527	3,597	3,698	3,797	3,819	3,747	3,659	3,629	3,497	3,320	3,056	2,785
10/10/04	2,587	2,465	2,355	2,314	2,261	2,256	2,290	2,448	2,664	2,900	3,087	3,266	3,423	3,541	3,638	3,721	3,770	3,757	3,677	3,666	3,590	3,360	3,059	2,723
10/11/04	2,609	2,520	2,367	2,343	2,441	2,571	2,853	3,071	3,291	3,452	3,634	3,749	3,926	4,044	4,170	4,270	4,281	4,227	4,063	3,981	3,870	3,687	3,308	2,933
10/12/04	2,863	2,665	2,576	2,554	2,604	2,720	2,926	3,235	3,434	3,609	3,819	4,002	4,131	4,241	4,377	4,503	4,517	4,389	4,282	4,162	4,022	3,814	3,432	3,068
10/13/04	2,673	2,495	2,412	2,389	2,438	2,563	2,785	3,061	3,226	3,370	3,546	3,697	3,806	3,903	4,022	4,129	4,142	4,035	3,951	3,868	3,753	3,561	3,202	2,859
10/14/04	2,584	2,416	2,339	2,321	2,374	2,508	2,742	3,003	3,153	3,275	3,432	3,567	3,667	3,756	3,866	3,962	3,971	3,877	3,808	3,741	3,634	3,447	3,097	2,763
10/15/04	2,463	2,364	2,320	2,285	2,295	2,420	2,727	2,940	3,069	3,164	3,268	3,410	3,465	3,574	3,659	3,693	3,722	3,642	3,515	3,451	3,352	3,188	2,907	2,662
10/16/04	2,269	2,187	2,110	2,098	2,079	2,172	2,285	2,439	2,613	2,738	2,826	2,853	2,908	2,916	2,954	3,010	3,032	3,027	3,044	3,068	2,971	2,832	2,622	2,397
10/17/04	2,213	2,128	2,063	2,048	2,034	2,074	2,144	2,277	2,427	2,554	2,635	2,706	2,767	2,808	2,841	2,911	2,932	2,977	3,016					

# APS Own Load Hourly mW Forecast

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Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/04	2,002	1,974	1,940	1,962	2,068	2,294	2,636	2,753	2,750	2,711	2,694	2,637	2,632	2,598	2,578	2,577	2,651	2,763	2,809	2,735	2,628	2,402	2,165	
11/02/04	2,088	2,015	1,997	2,015	2,098	2,326	2,659	2,805	2,771	2,732	2,722	2,706	2,691	2,678	2,692	2,684	2,716	2,844	2,873	2,790	2,670	2,441	2,207	
11/03/04	2,077	2,007	1,992	2,011	2,095	2,326	2,663	2,806	2,765	2,719	2,706	2,685	2,666	2,648	2,654	2,646	2,684	2,820	2,852	2,768	2,651	2,425	2,194	
11/04/04	2,090	2,015	1,998	2,017	2,100	2,327	2,667	2,807	2,775	2,730	2,723	2,707	2,688	2,666	2,674	2,663	2,718	2,846	2,877	2,793	2,675	2,443	2,208	
11/05/04	2,128	2,073	2,061	2,091	2,111	2,306	2,647	2,794	2,750	2,780	2,776	2,769	2,752	2,735	2,742	2,735	2,782	2,819	2,830	2,758	2,662	2,474	2,284	
11/06/04	2,050	2,011	1,984	1,996	2,024	2,155	2,319	2,449	2,542	2,560	2,522	2,438	2,380	2,292	2,253	2,240	2,253	2,342	2,499	2,573	2,497	2,419	2,283	
11/07/04	2,046	1,999	1,969	1,977	2,085	2,287	2,618	2,748	2,773	2,764	2,774	2,744	2,722	2,222	2,222	2,236	2,345	2,516	2,636	2,583	2,463	2,287	2,073	
11/08/04	2,036	2,001	1,955	1,972	2,074	2,287	2,618	2,748	2,773	2,764	2,774	2,744	2,722	2,222	2,222	2,236	2,345	2,516	2,636	2,583	2,463	2,287	2,073	
11/09/04	2,160	2,071	2,040	2,050	2,125	2,330	2,638	2,802	2,807	2,803	2,825	2,839	2,849	2,860	2,886	2,915	2,913	2,914	2,992	3,007	2,925	2,791	2,540	2,288
11/10/04	2,235	2,131	2,091	2,092	2,162	2,344	2,629	2,811	2,849	2,877	2,931	3,004	3,035	3,082	3,127	3,131	3,105	3,141	3,056	2,911	2,640	2,371	2,165	
11/11/04	2,149	2,061	2,033	2,046	2,122	2,329	2,642	2,804	2,804	2,789	2,809	2,882	2,882	2,856	2,878	2,873	2,882	2,969	2,987	2,904	2,774	2,525	2,275	
11/12/04	2,238	2,167	2,143	2,129	2,163	2,326	2,644	2,811	2,862	2,886	2,923	2,982	2,990	2,832	2,856	2,878	2,873	2,969	2,987	2,904	2,774	2,525	2,275	
11/13/04	2,114	2,061	2,019	2,020	2,035	2,150	2,294	2,428	2,596	2,596	2,599	2,533	2,480	2,467	2,478	2,485	2,550	2,656	2,713	2,635	2,537	2,380	2,206	
11/14/04	1,989	1,918	1,858	1,840	1,849	1,866	1,928	2,030	2,193	2,333	2,387	2,373	2,299	2,245	2,227	2,263	2,353	2,454	2,508	2,487	2,335	2,152	1,954	
11/15/04	2,077	2,061	2,059	2,091	2,178	2,425	2,849	3,005	2,960	2,863	2,828	2,751	2,708	2,692	2,663	2,632	2,661	2,752	2,882	2,912	2,847	2,739	2,509	2,274
11/16/04	2,097	2,022	2,002	2,019	2,101	2,326	2,656	2,804	2,775	2,712	2,735	2,723	2,712	2,703	2,709	2,722	2,715	2,743	2,863	2,891	2,808	2,686	2,454	2,217
11/17/04	2,066	1,999	1,986	2,006	2,092	2,327	2,668	2,808	2,760	2,709	2,690	2,665	2,642	2,620	2,616	2,619	2,610	2,654	2,797	2,832	2,747	2,633	2,411	2,182
11/18/04	2,077	2,005	1,990	2,011	2,096	2,327	2,665	2,809	2,770	2,718	2,705	2,685	2,666	2,649	2,648	2,652	2,640	2,681	2,819	2,852	2,768	2,653	2,425	2,194
11/19/04	2,061	2,017	2,014	2,022	2,084	2,302	2,661	2,795	2,771	2,719	2,688	2,670	2,622	2,615	2,598	2,577	2,577	2,600	2,685	2,713	2,644	2,566	2,398	2,220
11/20/04	2,246	2,192	2,163	2,200	2,250	2,425	2,709	2,885	2,913	2,860	2,785	2,682	2,644	2,572	2,506	2,540	2,540	2,577	2,724	2,889	2,799	2,740	2,589	2,427
11/21/04	2,229	2,204	2,181	2,205	2,246	2,373	2,550	2,716	2,791	2,744	2,656	2,545	2,460	2,402	2,332	2,294	2,343	2,494	2,754	2,924	2,822	2,602	2,427	2,234
11/22/04	2,104	2,050	2,049	2,067	2,171	2,409	2,768	2,929	2,884	2,837	2,784	2,702	2,658	2,643	2,587	2,592	2,592	2,700	2,896	2,902	2,866	2,751	2,519	2,296
11/23/04	2,216	2,172	2,147	2,188	2,261	2,515	2,891	3,067	3,018	2,914	2,836	2,777	2,716	2,685	2,667	2,632	2,632	2,745	2,910	2,945	2,891	2,771	2,570	2,338
11/24/04	2,215	2,173	2,149	2,188	2,262	2,515	2,890	3,067	3,017	2,912	2,836	2,777	2,716	2,685	2,668	2,632	2,632	2,745	2,910	2,945	2,891	2,771	2,570	2,338
11/25/04	2,342	2,293	2,275	2,308	2,351	2,469	2,628	2,817	2,889	2,855	2,785	2,679	2,588	2,485	2,422	2,379	2,435	2,617	2,840	2,890	2,846	2,769	2,590	2,393
11/26/04	2,404	2,360	2,343	2,380	2,423	2,544	2,708	2,910	2,987	2,952	2,874	2,685	2,591	2,473	2,430	2,494	2,625	2,917	2,964	2,922	2,850	2,672	2,469	2,262
11/27/04	2,530	2,461	2,468	2,498	2,562	2,688	2,904	3,137	3,223	3,172	3,047	2,886	2,769	2,651	2,567	2,521	2,552	2,753	3,004	2,962	2,910	2,838	2,720	2,562
11/28/04	2,447	2,405	2,388	2,428	2,478	2,599	2,765	2,973	3,046	3,014	2,932	2,811	2,710	2,596	2,527	2,482	2,549	2,745	2,979	3,024	2,981	2,893	2,703	2,494
11/29/04	2,336	2,284	2,303	2,332	2,468	2,739	3,161	3,383	3,302	3,173	3,046	2,896	2,802	2,761	2,672	2,698	2,698	2,869	3,129	3,117	3,098	2,986	2,753	2,519
11/30/04	2,266	2,232	2,195	2,225	2,314	2,612	2,979	3,152	3,085	2,959	2,869	2,796	2,714	2,687	2,630	2,617	2,775	2,977	2,984	2,947	2,849	2,641	2,406	2,166
12/01/04	2,449	2,415	2,378	2,416	2,519	2,860	3,272	3,474	3,387	3,227	3,111	3,016	2,912	2,875	2,805	2,788	2,801	2,977	3,226	3,230	3,192	3,088	2,856	2,594
12/02/04	2,503	2,471	2,435	2,479	2,586	2,937	3,356	3,566	3,474	3,292	3,161	3,056	2,941	2,900	2,823	2,802	2,819	3,019	3,276	3,277	3,241	3,140	2,906	2,642
12/03/04	2,507	2,470	2,462	2,505	2,651	2,908	3,385	3,625	3,518	3,356	3,222	3,048	2,952	2,893	2,789	2,755	2,795	2,913	3,167	3,168	3,089	3,055	2,900	2,691
12/04/04	2,643	2,568	2,574	2,606	2,675	2,815	3,053	3,307	3,398	3,341	3,206	3,032	2,906	2,779	2,689	2,672	2,885	3,159	3,425	3,425	3,353	3,259	3,064	2,806
12/05/04	2,544	2,496	2,478	2,519	2,571	2,702	2,882	3,104	3,184	3,150	3,063	2,934	2,825	2,704	2,629	2,582	2,861	3,115	3,389	3,389	3,309	3,184	2,926	2,668
12/06/04	2,587	2,527	2,558	2,599	2,758	3,061	3,540	3,790	3,694	3,551	3,406	3,225	3,112	3,057	2,950	2,875	3,005	3,235	3,534	3,489	3,354	3,255	2,991	2,706
12/07/04	2,837	2,796	2,723	2,750	2,837	3,213	3,653	3,745	3,728	3,504	3,329	3,176	3,022	2,980	2,886	2,872	2,931	3,241	3,576	3,561	3,489	3,325	3,169	2,887
12/08/04	2,888	2,849	2,770	2,794	2,881	3,266	3,725	3,908	3,784	3,559	3,397	3,241	3,087	3,051	2,957	2,946	3,006	3,324	3,653	3,633	3,529	3,372	3,239	3,064
12/09/04	2,750	2,680	2,614	2,641	2,727	3,085	3,500	3,698	3,594	3,372	3,202	3,064	2,921	2,876	2,789	2,776	2,823	3,112	3,441	3,437	3,353	3,259	3,125	2,866
12/10/04	2,525	2,489	2,482	2,526	2,673	2,931	3,409	3,654	3,546	3,380	3,241	3,062	2,962	2,901	2,793	2,759	2,802	2,927	3,185	3,182	3,103	3,069	2,915	2,706
12/11/04	2,671	2,595	2,602	2,635	2,706	2,846	3,083	3,340	3,435	3,378	3,241	3,063	2,934	2,805	2,712	2,661	2,695	2,917	3,193	3,147	3,090	3,010	2,880	2,706
12/12/04	2,520	2,490	2,453	2,497	2,605	2,959	3,381	3,591	3,495	3,316	3,177	3,067	2,950	2,828	2,810	2,832	2,832	3,032	3,292	3,291	3,183	3,068	2,976	2,775
12/13/04	2,438	2,404	2,366	2,403	2,506	2,844	3,256	3,456	3,371	3,214	3,101	3,008	2,906	2,870	2,801	2,785	2,803	2,979	3,216	3,117	3,068	2,976	2,775	2,554
12/14/04	2,428	2,391	2,353	2,392	2,494	2,830	3,241	3,441	3,360	3,199	3,090	3,000	2,900	2,867	2,799	2,780	2,793	2,969	3,206	3,212	3,174	3,070	2,836	2,626
12/15/04	2,505	2,454	2,436	2,473	2,522	2,651	2,827	3,042	3,120	3,088	3,007	2,885	2,782	2,666	2,594	2,549	2,616	2,817	3,065	3,117	3,068	2,976	2,775	2,554
12/16/04	2,438	2,404	2,366	2,403	2,506	2,844	3,256	3,456	3,371	3,214	3,101	3,008	2,906	2,870	2,801	2,785	2,803	2,979	3,216	3,117	3,068	2,976	2,775	2,554
12/17/04	2,386	2,341	2,329	2,359	2,494	2,742	3,197	3,401	3,312	3,184	3,087	2,949	2,882	2,843	2,756	2,730	2,757	2,830	3,047	3,071	2,993	2,953	2,794	2,584
12/18/04	2,355	2,276																						

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
01/01/05	2,586	2,508	2,508	2,533	2,593	2,736	2,966	3,204	3,290	3,251	3,141	2,995	2,886	2,773	2,694	2,651	2,683	2,857	3,115	3,112	3,053	2,966	2,827	2,642
01/02/05	2,507	2,452	2,432	2,465	2,512	2,641	2,814	3,022	3,099	3,072	3,001	2,891	2,797	2,689	2,621	2,577	2,642	2,837	3,079	3,135	3,081	2,991	2,827	2,566
01/03/05	2,465	2,410	2,428	2,460	2,510	2,610	2,719	2,832	2,906	2,879	2,789	2,696	2,603	2,516	2,434	2,362	2,416	2,603	2,857	3,115	3,081	2,991	2,827	2,566
01/04/05	2,555	2,522	2,484	2,527	2,635	2,996	3,427	3,640	3,545	3,236	3,118	3,022	2,889	2,742	2,600	2,482	2,537	2,742	3,003	3,112	3,053	2,966	2,827	2,566
01/05/05	2,701	2,676	2,642	2,694	2,809	3,192	3,636	3,865	3,753	3,340	3,239	3,096	2,927	2,756	2,600	2,482	2,537	2,742	3,003	3,112	3,053	2,966	2,827	2,566
01/06/05	2,629	2,599	2,563	2,613	2,726	3,097	3,536	3,762	3,657	3,242	3,141	3,001	2,832	2,661	2,500	2,382	2,437	2,642	2,903	3,112	3,053	2,966	2,827	2,566
01/07/05	2,672	2,639	2,632	2,684	2,841	3,109	3,608	3,877	3,762	3,350	3,249	3,091	2,922	2,751	2,590	2,472	2,527	2,732	2,993	3,112	3,053	2,966	2,827	2,566
01/08/05	2,725	2,692	2,685	2,737	2,894	3,162	3,651	3,920	3,805	3,390	3,289	3,130	2,961	2,790	2,630	2,512	2,567	2,772	3,033	3,112	3,053	2,966	2,827	2,566
01/09/05	2,881	2,848	2,841	2,893	3,050	3,318	3,807	4,076	3,961	3,546	3,445	3,286	3,117	2,946	2,786	2,668	2,723	2,928	3,189	3,112	3,053	2,966	2,827	2,566
01/10/05	2,741	2,695	2,738	2,810	2,990	3,326	3,843	4,072	3,945	3,527	3,426	3,267	3,098	2,927	2,766	2,648	2,703	2,908	3,169	3,112	3,053	2,966	2,827	2,566
01/11/05	2,680	2,634	2,670	2,706	2,786	3,166	3,609	3,836	3,721	3,306	3,205	3,046	2,877	2,706	2,546	2,428	2,483	2,688	2,949	3,112	3,053	2,966	2,827	2,566
01/12/05	2,661	2,615	2,651	2,687	2,767	3,147	3,590	3,819	3,704	3,289	3,188	3,029	2,860	2,689	2,529	2,411	2,466	2,671	2,932	3,112	3,053	2,966	2,827	2,566
01/13/05	2,572	2,539	2,502	2,548	2,658	3,020	3,453	3,670	3,575	3,160	3,059	2,900	2,731	2,560	2,400	2,282	2,337	2,542	2,803	3,112	3,053	2,966	2,827	2,566
01/14/05	2,543	2,510	2,473	2,519	2,629	2,992	3,425	3,642	3,547	3,132	3,031	2,872	2,703	2,532	2,372	2,254	2,309	2,514	2,775	3,112	3,053	2,966	2,827	2,566
01/15/05	2,511	2,478	2,441	2,487	2,597	2,960	3,383	3,600	3,505	3,090	2,989	2,830	2,661	2,490	2,330	2,212	2,267	2,472	2,733	3,112	3,053	2,966	2,827	2,566
01/16/05	2,507	2,452	2,432	2,465	2,512	2,641	2,814	3,022	3,099	3,072	3,001	2,891	2,797	2,689	2,621	2,577	2,642	2,837	3,079	3,112	3,053	2,966	2,827	2,566
01/17/05	2,469	2,412	2,392	2,425	2,470	2,600	2,771	2,970	2,956	2,940	2,924	2,908	2,892	2,876	2,860	2,844	2,828	2,812	2,796	2,780	2,764	2,748	2,732	2,716
01/18/05	2,447	2,409	2,367	2,401	2,502	2,840	3,257	3,455	3,378	3,235	3,133	3,049	2,956	2,861	2,846	2,830	2,814	2,798	2,782	2,766	2,750	2,734	2,718	2,702
01/19/05	2,408	2,367	2,325	2,359	2,452	2,780	3,188	3,380	3,310	3,180	3,093	3,019	2,933	2,907	2,846	2,830	2,814	2,798	2,782	2,766	2,750	2,734	2,718	2,702
01/20/05	2,462	2,423	2,382	2,419	2,522	2,863	3,282	3,483	3,405	3,250	3,146	3,062	2,976	2,881	2,866	2,850	2,834	2,818	2,802	2,786	2,770	2,754	2,738	2,722
01/21/05	2,447	2,294	2,276	2,296	2,420	2,662	3,099	3,280	3,212	3,119	3,055	2,950	2,907	2,883	2,867	2,851	2,835	2,819	2,803	2,787	2,771	2,755	2,739	2,723
01/22/05	2,418	2,336	2,322	2,334	2,377	2,505	2,698	2,895	2,922	2,909	2,893	2,877	2,861	2,845	2,829	2,813	2,797	2,781	2,765	2,749	2,733	2,717	2,701	2,685
01/23/05	2,378	2,315	2,290	2,312	2,349	2,466	2,619	2,798	2,876	2,872	2,856	2,840	2,824	2,808	2,792	2,776	2,760	2,744	2,728	2,712	2,696	2,680	2,664	2,648
01/24/05	2,279	2,219	2,218	2,241	2,363	2,640	3,056	3,244	3,185	3,123	3,056	2,988	2,904	2,886	2,870	2,854	2,838	2,822	2,806	2,790	2,774	2,758	2,742	2,726
01/25/05	2,289	2,240	2,232	2,258	2,382	2,657	3,073	3,261	3,202	3,140	3,073	2,995	2,911	2,893	2,877	2,861	2,845	2,829	2,813	2,797	2,781	2,765	2,749	2,733
01/26/05	2,229	2,150	2,134	2,155	2,252	2,515	2,899	3,061	3,013	2,960	2,943	2,926	2,910	2,894	2,878	2,862	2,846	2,830	2,814	2,798	2,782	2,766	2,750	2,734
01/27/05	2,245	2,160	2,141	2,163	2,258	2,516	2,895	3,062	3,025	2,973	2,956	2,940	2,924	2,908	2,892	2,876	2,860	2,844	2,828	2,812	2,796	2,780	2,764	2,748
01/28/05	2,540	2,495	2,479	2,527	2,619	2,901	3,336	3,504	3,427	3,360	3,293	3,226	3,159	3,092	3,025	2,958	2,891	2,824	2,757	2,690	2,623	2,556	2,489	2,422
01/29/05	2,163	2,127	2,107	2,127	2,168	2,327	2,529	2,674	2,764	2,763	2,694	2,627	2,560	2,493	2,426	2,359	2,292	2,225	2,158	2,091	2,024	1,957	1,890	1,823
01/30/05	2,405	2,377	2,350	2,377	2,424	2,569	2,770	2,959	3,043	2,990	2,924	2,857	2,790	2,723	2,656	2,589	2,522	2,455	2,388	2,321	2,254	2,187	2,120	2,053
01/31/05	2,302	2,244	2,246	2,270	2,397	2,682	3,109	3,304	3,237	3,161	3,084	2,979	2,920	2,900	2,884	2,868	2,852	2,836	2,820	2,804	2,788	2,772	2,756	2,740
02/01/05	2,441	2,398	2,353	2,380	2,473	2,787	3,184	3,367	3,307	3,194	3,117	3,051	2,974	2,953	2,897	2,884	2,898	2,912	2,926	2,940	2,954	2,968	2,982	2,996
02/02/05	2,485	2,445	2,404	2,434	2,531	2,856	3,261	3,452	3,381	3,251	3,163	3,088	3,002	2,975	2,915	2,900	2,916	2,930	2,944	2,958	2,972	2,986	2,999	3,013
02/03/05	2,509	2,468	2,427	2,462	2,561	2,892	3,303	3,498	3,425	3,280	3,185	3,080	3,016	2,987	2,924	2,900	2,916	2,930	2,944	2,958	2,972	2,986	2,999	3,013
02/04/05	2,575	2,532	2,522	2,558	2,702	2,959	3,435	3,659	3,559	3,412	3,297	3,139	3,059	3,010	2,913	2,884	2,916	2,930	2,944	2,958	2,972	2,986	2,999	3,013
02/05/05	2,643	2,566	2,564	2,589	2,647	2,788	3,013	3,246	3,330	3,295	3,190	3,049	2,945	2,835	2,758	2,716	2,732	2,746	2,760	2,774	2,788	2,802	2,816	2,830
02/06/05	2,644	2,592	2,573	2,612	2,662	2,794	2,973	3,192	3,271	3,236	3,156	3,032	2,927	2,809	2,735	2,689	2,705	2,720	2,734	2,748	2,762	2,776	2,790	2,804
02/07/05	2,627	2,569	2,595	2,630	2,787	3,095	3,574	3,830	3,737	3,588	3,440	3,264	3,153	3,104	3,000	3,015	3,032	3,046	3,060	3,074	3,088	3,102	3,116	3,130
02/08/05	2,815	2,781	2,733	2,776	2,881	3,256	3,689	3,907	3,797	3,581	3,407	3,269	3,125	2,981	2,865	2,880	2,896	2,912	2,926	2,940	2,954	2,968	2,982	2,996
02/09/05	2,650	2,619	2,584	2,627	2,736	3,095	3,523	3,737	3,640	3,458	3,322	3,212	3,093	3,050	2,971	2,952	2,975	2,989	3,003	3,017	3,031	3,045	3,059	3,073
02/10/05	2,664	2,633	2,597	2,644	2,754	3,115	3,546	3,762	3,666	3,474	3,334	3,222	3,101	3,057	2,976	2,954	2,973	2,987	3,001	3,015	3,029	3,043	3,057	3,071
02/11/05	2,534	2,488	2,477	2,509	2,647	2,901	3,368	3,580	3,487	3,352	3,250	3,105	3,035	2,994	2,903	2,876	2,904	2,922	2,936	2,950	2,964	2,978	2,992	3,006
02/12/05	2,614	2,537	2,533	2,555	2,611	2,750	2,969	3,195	3,280	3,253	3,158	3,026	2,928	2,822	2,749	2,709	2,725	2,740	2,754	2,768	2,782	2,796	2,810	2,824
02/13/05	2,505	2,447	2,424	2,452	2,493	2,614	2,775	2,965	3,040	3,024	2,971	2,883	2,805	2,712	2,651	2,612	2,628	2,642	2,656	2,670	2,684	2,698	2,712	2,726
02/14/05	2,413	2,369	2,397	2,431	2,509	2,809	3,209	3,394	3,331	3,213	3,131	3,063	2,983	2,960	2,904	2,890	2,906	2,920	2,934	2,948	2,962	2,976	2,990	3,004
02/15/05	2,455	2,413	2,373	2,400	2,494	2,812	3,212	3,398	3,333	3,213	3,134	3,066	2,985	2,961	2,904	2,890	2,906	2,920	2,934	2,948	2,962	2,976	2,990	3,004
02/16/05	2,457	2,382	2,337	2,365	2,456	2,765	3,158	3,340	3,285	3,170	3,100	3,040	2,965	2,945	2,892	2,875								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/05	2,254	2,210	2,185	2,226	2,300	2,557	2,938	3,116	3,066	2,961	2,882	2,822	2,761	2,730	2,711	2,675	2,694	2,789	2,957	2,993	2,938	2,817	2,613	2,379
03/02/05	2,254	2,211	2,187	2,227	2,301	2,557	2,937	3,116	3,065	2,960	2,882	2,823	2,761	2,729	2,712	2,675	2,695	2,790	2,957	2,993	2,938	2,817	2,613	2,378
03/03/05	2,255	2,210	2,185	2,227	2,302	2,558	2,939	3,119	3,070	2,959	2,882	2,823	2,762	2,730	2,712	2,673	2,689	2,787	2,957	2,993	2,939	2,819	2,613	2,379
03/04/05	2,248	2,248	2,234	2,277	2,458	2,710	3,097	3,247	3,190	3,031	2,890	2,687	2,628	2,628	2,582	2,576	2,582	2,686	2,876	2,880	2,860	2,634	2,405	2,495
03/05/05	2,249	2,174	2,159	2,167	2,202	2,311	2,476	2,644	2,736	2,763	2,666	2,602	2,529	2,529	2,478	2,451	2,477	2,590	2,768	2,781	2,726	2,637	2,504	2,334
03/06/05	2,254	2,249	2,188	2,210	2,243	2,351	2,491	2,656	2,724	2,716	2,606	2,542	2,463	2,463	2,412	2,377	2,428	2,585	2,775	2,827	2,776	2,698	2,520	2,329
03/07/05	2,237	2,187	2,195	2,220	2,343	2,610	3,011	3,203	3,129	3,035	2,944	2,831	2,664	2,739	2,669	2,673	2,674	2,810	3,038	3,046	3,020	2,907	2,667	2,432
03/08/05	2,290	2,255	2,217	2,246	2,335	2,632	3,001	3,174	3,109	2,986	2,901	2,829	2,749	2,724	2,668	2,655	2,669	2,810	3,010	3,018	2,981	2,881	2,670	2,433
03/09/05	2,416	2,403	2,387	2,441	2,555	2,890	3,290	3,497	3,404	3,240	3,117	3,016	2,862	2,730	2,668	2,672	2,773	2,939	3,159	3,153	3,111	3,008	2,787	2,537
03/10/05	2,326	2,291	2,255	2,289	2,381	2,685	3,059	3,240	3,169	3,029	2,934	2,857	2,770	2,741	2,681	2,664	2,676	2,831	3,042	3,050	3,013	2,917	2,703	2,464
03/11/05	2,298	2,245	2,233	2,258	2,380	2,605	3,017	3,198	3,120	3,010	2,928	2,809	2,721	2,644	2,622	2,645	2,704	2,896	2,921	2,850	2,811	2,664	2,471	
03/12/05	2,280	2,217	2,206	2,217	2,302	2,372	2,546	2,725	2,809	2,820	2,728	2,688	2,622	2,542	2,488	2,485	2,603	2,794	2,810	2,756	2,671	2,539	2,369	
03/13/05	2,254	2,199	2,177	2,198	2,232	2,337	2,475	2,637	2,705	2,700	2,663	2,596	2,534	2,457	2,407	2,373	2,424	2,578	2,765	2,817	2,766	2,688	2,510	2,320
03/14/05	2,144	2,098	2,096	2,128	2,216	2,466	2,895	3,053	3,008	2,909	2,874	2,796	2,736	2,736	2,707	2,673	2,705	2,797	2,929	2,959	2,894	2,784	2,551	2,313
03/15/05	2,254	2,210	2,185	2,226	2,300	2,557	2,938	3,116	3,066	2,961	2,882	2,822	2,761	2,730	2,711	2,675	2,694	2,789	2,957	2,993	2,938	2,817	2,613	2,379
03/16/05	2,254	2,211	2,187	2,227	2,301	2,557	2,937	3,116	3,065	2,960	2,882	2,823	2,761	2,729	2,712	2,675	2,695	2,790	2,957	2,993	2,938	2,817	2,613	2,378
03/17/05	2,255	2,210	2,185	2,227	2,302	2,558	2,939	3,119	3,070	2,959	2,882	2,823	2,762	2,730	2,712	2,675	2,689	2,787	2,957	2,993	2,939	2,817	2,613	2,379
03/18/05	2,238	2,248	2,210	2,185	2,227	2,302	2,558	2,939	3,070	2,959	2,882	2,823	2,762	2,730	2,712	2,675	2,689	2,787	2,957	2,993	2,939	2,817	2,613	2,379
03/19/05	2,047	2,016	2,000	2,019	2,056	2,200	2,381	2,510	2,589	2,584	2,519	2,406	2,321	2,208	2,150	2,120	2,131	2,245	2,440	2,524	2,450	2,384	2,261	2,122
03/20/05	2,051	2,011	1,990	2,008	2,033	2,138	2,271	2,379	2,443	2,449	2,399	2,322	2,256	2,176	2,105	2,090	2,097	2,226	2,441	2,580	2,525	2,418	2,257	2,056
03/21/05	2,144	2,098	2,096	2,128	2,216	2,466	2,895	3,053	3,008	2,909	2,874	2,796	2,736	2,736	2,707	2,673	2,705	2,797	2,929	2,959	2,894	2,766	2,525	2,279
03/22/05	2,155	2,074	2,051	2,065	2,146	2,366	2,693	2,848	2,831	2,807	2,811	2,807	2,804	2,801	2,815	2,833	2,828	2,847	2,954	2,977	2,894	2,766	2,525	2,279
03/23/05	2,121	2,048	2,032	2,050	2,135	2,366	2,704	2,851	2,813	2,770	2,761	2,743	2,726	2,711	2,714	2,721	2,714	2,749	2,827	2,859	2,736	2,649	2,471	2,288
03/24/05	2,137	2,059	2,039	2,058	2,141	2,367	2,700	2,852	2,825	2,785	2,783	2,773	2,762	2,753	2,761	2,771	2,761	2,792	2,914	2,943	2,859	2,737	2,499	2,288
03/25/05	2,126	2,077	2,069	2,074	2,132	2,343	2,698	2,839	2,828	2,789	2,769	2,765	2,727	2,730	2,722	2,707	2,709	2,721	2,786	2,807	2,736	2,649	2,471	2,285
03/26/05	2,102	2,058	2,028	2,037	2,062	2,190	2,352	2,484	2,584	2,542	2,506	2,457	2,376	2,376	2,343	2,336	2,345	2,432	2,578	2,649	2,572	2,487	2,345	2,186
03/27/05	2,061	2,019	1,995	2,010	2,032	2,132	2,260	2,368	2,438	2,454	2,413	2,347	2,291	2,220	2,158	2,150	2,158	2,281	2,481	2,614	2,559	2,448	2,280	2,074
03/28/05	2,161	2,112	2,041	2,049	2,146	2,337	2,652	2,820	2,884	2,926	2,985	3,000	3,061	3,106	3,153	3,194	3,200	3,207	3,200	3,211	3,130	2,988	2,703	2,416
03/29/05	2,284	2,176	2,133	2,134	2,202	2,386	2,673	2,860	2,903	2,936	2,992	3,037	3,072	3,106	3,156	3,204	3,208	3,178	3,210	3,206	3,122	2,973	2,697	2,423
03/30/05	2,284	2,177	2,135	2,135	2,203	2,386	2,673	2,859	2,902	2,934	2,992	3,038	3,072	3,106	3,156	3,203	3,208	3,178	3,210	3,202	3,122	2,974	2,697	2,423
03/31/05	2,213	2,118	2,086	2,096	2,171	2,373	2,680	2,851	2,864	2,860	2,891	2,912	2,926	2,941	2,973	3,002	2,998	2,997	3,069	3,082	2,998	2,862	2,602	2,343
04/01/05	2,303	2,239	2,221	2,215	2,259	2,446	2,785	2,945	2,972	2,970	2,985	3,019	3,008	3,042	3,062	3,061	3,070	3,052	3,059	3,060	2,983	2,873	2,666	2,462
04/02/05	2,251	2,195	2,149	2,149	2,162	2,279	2,423	2,562	2,683	2,743	2,731	2,719	2,694	2,643	2,633	2,648	2,665	2,718	2,795	2,877	2,795	2,692	2,528	2,346
04/03/05	2,171	2,123	2,093	2,103	2,121	2,212	2,331	2,444	2,527	2,559	2,535	2,490	2,452	2,398	2,350	2,354	2,365	2,477	2,653	2,777	2,722	2,599	2,418	2,198
04/04/05	2,144	2,111	2,070	2,090	2,197	2,422	2,767	2,894	2,907	2,884	2,881	2,838	2,828	2,827	2,831	2,831	2,831	2,892	2,982	3,024	2,947	2,830	2,586	2,333
04/05/05	2,200	2,128	2,112	2,133	2,220	2,460	2,808	2,954	2,910	2,862	2,864	2,821	2,801	2,852	2,860	2,860	2,867	2,817	2,960	3,044	2,959	2,834	2,594	2,350
04/06/05	2,227	2,149	2,130	2,146	2,230	2,459	2,797	2,950	2,921	2,886	2,884	2,873	2,862	2,852	2,860	2,860	2,867	2,895	3,016	3,044	2,959	2,834	2,594	2,350
04/07/05	2,302	2,260	2,218	2,242	2,324	2,602	2,958	3,122	3,075	2,976	2,916	2,863	2,798	2,781	2,733	2,719	2,727	2,849	3,033	3,048	3,005	2,903	2,687	2,451
04/08/05	2,473	2,436	2,428	2,463	2,596	2,833	3,272	3,484	3,390	3,249	3,136	2,985	2,906	2,857	2,765	2,737	2,769	2,863	3,089	3,098	3,025	2,991	2,846	2,651
04/09/05	2,320	2,243	2,226	2,232	2,266	2,372	2,535	2,701	2,798	2,835	2,810	2,744	2,690	2,619	2,568	2,541	2,568	2,681	2,856	2,865	2,808	2,717	2,581	2,409
04/10/05	2,253	2,191	2,161	2,171	2,198	2,287	2,406	2,549	2,632	2,659	2,652	2,613	2,571	2,506	2,461	2,461	2,477	2,614	2,774	2,828	2,778	2,689	2,508	2,318
04/11/05	2,300	2,100	2,064	2,086	2,195	2,425	2,776	2,897	2,898	2,862	2,848	2,794	2,782	2,760	2,750	2,746	2,744	2,817	2,926	2,972	2,896	2,784	2,549	2,303
04/12/05	2,266	2,179	2,152	2,164	2,244	2,461	2,785	2,948	2,941	2,927	2,941	2,924	2,861	2,828	2,811	2,773	2,793	2,890	3,059	3,096	3,040	2,917	2,710	2,472
04/13/05	2,266	2,169	2,144	2,160	2,241	2,461	2,790	2,951	2,939	2,912	2,922	2,923	2,922	2,922	2,938	2,956	2,948	2,967	3,072	3,095	3,011	2,881	2,632	2,381
04/14/05	2,248	2,241	2,242	2,247	2,247	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248
04/15/05	2,248	2,241	2,242	2,247	2,247	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248	2,248
04/16/05	2,206	2,159	2,124	2,131	2,153	2,208	2,302	2,374	2,681	2,716	2,697	2,629	2,588	2,516	2,487	2,486	2,501							

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
05/01/05	2,557	2,449	2,362	2,335	2,306	2,329	2,389	2,543	2,734	2,915	3,046	3,169	3,276	3,354	3,420	3,521	3,543	3,567	3,558	3,593	3,527	3,310	3,016	2,685
05/02/05	2,668	2,582	2,443	2,428	2,533	2,700	3,023	3,247	3,443	3,586	3,749	3,849	4,011	4,126	4,245	4,342	4,354	4,304	4,165	4,109	3,999	3,803	3,410	3,021
05/03/05	2,646	2,494	2,426	2,416	2,482	2,660	2,953	3,200	3,408	3,536	3,615	3,673	3,853	3,963	4,073	4,153	4,165	4,044	3,845	3,809	3,706	3,515	3,165	2,823
05/04/05	2,701	2,541	2,469	2,454	2,518	2,686	2,967	3,225	3,348	3,453	3,589	3,703	3,788	3,868	3,968	4,057	4,071	3,986	3,941	3,895	3,788	3,593	3,232	2,883
05/05/05	2,588	2,445	2,384	2,379	2,449	2,637	2,948	3,179	3,269	3,334	3,436	3,476	3,585	3,646	3,726	3,795	3,800	3,743	3,738	3,715	3,614	3,433	3,091	2,758
05/06/05	2,423	2,348	2,325	2,315	2,363	2,542	2,842	3,131	3,170	3,176	3,199	3,246	3,325	3,314	3,314	3,325	3,299	3,295	3,292	3,204	3,075	2,836	2,603	2,258
05/07/05	2,307	2,251	2,208	2,214	2,236	2,376	2,551	2,705	2,831	2,878	2,864	2,795	2,757	2,681	2,655	2,658	2,676	2,754	2,898	2,971	2,881	2,775	2,601	2,408
05/08/05	2,282	2,220	2,179	2,186	2,200	2,292	2,415	2,546	2,652	2,720	2,762	2,675	2,612	2,576	2,576	2,610	2,721	2,891	3,016	2,955	2,806	2,588	2,328	2,158
05/09/05	2,274	2,228	2,164	2,181	2,297	2,535	2,911	3,072	3,121	3,131	3,162	3,146	3,180	3,226	3,251	3,255	3,293	3,341	3,373	3,284	3,135	2,835	2,528	2,355
05/10/05	2,387	2,283	2,248	2,259	2,347	2,584	2,943	3,133	3,138	3,134	3,160	3,176	3,187	3,200	3,230	3,264	3,262	3,263	3,354	3,370	3,275	3,120	2,829	2,535
05/11/05	2,410	2,302	2,265	2,273	2,358	2,587	2,938	3,134	3,149	3,155	3,193	3,238	3,318	3,292	3,320	3,331	3,328	3,400	3,412	3,316	3,157	2,859	2,561	2,383
05/12/05	2,589	2,446	2,385	2,380	2,450	2,638	2,942	3,180	3,270	3,336	3,438	3,523	3,588	3,649	3,729	3,799	3,804	3,747	3,741	3,617	3,435	3,093	2,760	2,608
05/13/05	2,610	2,512	2,471	2,442	2,465	2,624	2,972	3,189	3,296	3,368	3,453	3,572	3,612	3,707	3,781	3,807	3,832	3,761	3,663	3,617	3,516	3,352	3,066	2,808
05/14/05	2,512	2,422	2,336	2,315	2,301	2,403	2,527	2,696	2,888	3,027	3,125	3,218	3,328	3,370	3,350	3,332	3,356	3,367	3,392	3,286	3,132	2,901	2,653	2,408
05/15/05	2,512	2,410	2,329	2,306	2,282	2,313	2,379	2,530	2,711	2,877	2,992	3,098	3,190	3,256	3,312	3,404	3,426	3,460	3,470	3,515	3,451	3,242	2,956	2,633
05/16/05	2,570	2,492	2,368	2,359	2,465	2,644	2,975	3,190	3,359	3,482	3,623	3,747	3,847	3,951	4,057	4,143	4,155	4,114	4,003	3,965	3,860	3,670	3,291	2,916
05/17/05	2,779	2,607	2,527	2,509	2,569	2,727	2,995	3,267	3,413	3,538	3,691	3,821	3,921	4,011	4,122	4,223	4,236	4,138	4,075	4,014	3,902	3,700	3,329	2,969
05/18/05	2,909	2,719	2,631	2,607	2,663	2,804	3,053	3,349	3,522	3,672	3,857	4,015	4,130	4,233	4,360	4,473	4,488	4,375	4,288	4,204	4,081	3,872	3,483	3,110
05/19/05	2,877	2,690	2,603	2,583	2,640	2,785	3,039	3,330	3,499	3,672	3,815	3,968	4,181	4,303	4,421	4,515	4,236	4,159	4,039	3,833	3,445	3,076	2,705	2,408
05/20/05	2,857	2,737	2,684	2,653	2,633	2,750	3,079	3,333	3,509	3,644	3,789	3,983	4,205	4,316	4,432	4,509	4,288	4,126	4,006	3,976	3,896	3,674	3,282	2,980
05/21/05	2,783	2,665	2,540	2,499	2,449	2,526	2,616	2,809	3,062	3,287	3,487	3,748	3,817	3,916	4,018	4,044	3,976	3,896	3,874	3,738	3,530	3,270	2,980	2,700
05/22/05	2,772	2,644	2,532	2,491	2,440	2,440	2,481	2,650	2,876	3,117	3,305	3,486	3,645	3,764	3,861	3,992	4,006	3,927	3,926	3,848	3,630	3,280	2,919	2,640
05/23/05	2,916	2,817	2,644	2,617	2,725	2,865	3,172	3,414	3,663	3,843	4,048	4,178	4,377	4,508	4,648	4,759	4,771	4,711	4,526	4,431	4,308	4,106	3,687	3,272
05/24/05	3,046	2,838	2,740	2,714	2,766	2,896	3,130	3,447	3,646	3,819	4,028	4,338	4,450	4,587	4,701	4,726	4,602	4,450	4,309	4,194	4,044	3,824	3,428	3,058
05/25/05	3,119	2,902	2,803	2,774	2,825	2,949	3,173	3,503	3,712	3,894	4,117	4,443	4,558	4,714	4,844	4,844	4,715	4,569	4,492	4,350	4,178	3,974	3,590	3,225
05/26/05	3,410	3,147	3,024	2,983	3,022	3,118	3,303	3,669	3,904	4,098	4,351	4,568	4,706	4,813	4,959	5,091	5,091	4,978	4,891	4,759	4,613	4,415	4,011	3,633
05/27/05	3,318	3,171	3,023	2,975	3,035	3,135	3,355	3,653	3,893	4,078	4,277	4,563	4,653	4,830	4,957	5,003	5,058	4,778	4,760	4,619	4,493	4,296	3,927	3,667
05/28/05	3,265	3,130	2,958	2,904	2,807	2,886	2,961	3,187	3,505	3,813	4,118	4,279	4,517	4,604	4,745	4,871	4,887	4,775	4,634	4,569	4,377	4,177	3,855	3,536
05/29/05	3,236	3,085	2,936	2,881	2,795	2,781	2,815	3,011	3,278	3,598	3,852	4,090	4,302	4,449	4,560	4,721	4,704	4,674	4,551	4,519	4,412	4,136	3,782	3,382
05/30/05	3,059	2,849	2,751	2,724	2,776	2,906	3,137	3,457	3,658	3,833	4,044	4,226	4,357	4,470	4,608	4,721	4,704	4,674	4,551	4,519	4,412	4,136	3,782	3,382
06/01/05	3,225	3,007	2,908	2,879	2,927	3,041	3,249	3,579	3,790	3,975	4,201	4,396	4,531	4,643	4,720	4,851	4,916	4,799	4,693	4,569	4,425	4,215	3,816	3,438
06/02/05	3,025	2,830	2,739	2,717	2,768	2,897	3,126	3,425	3,610	3,762	3,955	4,122	4,242	4,347	4,476	4,590	4,599	4,487	4,396	4,303	4,178	3,974	3,590	3,225
06/03/05	2,959	2,840	2,787	2,736	2,728	2,832	3,147	3,400	3,578	3,726	3,878	4,082	4,165	4,311	4,425	4,473	4,515	4,415	4,321	4,127	4,009	3,816	3,483	3,214
06/04/05	2,858	2,733	2,638	2,626	2,656	2,756	3,037	3,251	3,432	3,564	3,715	3,870	3,957	4,065	4,176	4,266	4,278	4,232	4,105	4,057	3,952	3,765	3,391	3,021
06/05/05	2,681	2,569	2,476	2,444	2,407	2,420	2,468	2,622	2,821	3,018	3,168	3,310	3,435	3,528	3,606	3,715	3,734	3,744	3,708	3,726	3,659	3,439	3,144	2,814
06/06/05	2,683	2,603	2,473	2,460	2,561	2,725	2,937	3,251	3,432	3,564	3,715	3,870	3,957	4,065	4,176	4,266	4,278	4,232	4,105	4,057	3,952	3,765	3,391	3,021
06/07/05	2,773	2,614	2,541	2,526	2,586	2,743	3,009	3,263	3,391	3,564	3,715	3,870	3,957	4,065	4,176	4,266	4,278	4,232	4,105	4,057	3,952	3,765	3,391	3,021
06/08/05	2,590	2,462	2,409	2,404	2,475	2,665	2,967	3,185	3,253	3,308	3,392	3,459	3,511	3,560	3,628	3,690	3,698	3,650	3,660	3,645	3,550	3,379	3,061	2,749
06/09/05	2,566	2,440	2,390	2,390	2,463	2,658	2,967	3,180	3,242	3,282	3,357	3,417	3,463	3,508	3,570	3,625	3,627	3,590	3,613	3,606	3,510	3,344	3,030	2,722
06/10/05	2,704	2,604	2,562	2,529	2,546	2,689	3,018	3,234	3,353	3,437	3,532	3,662	3,711	3,813	3,893	3,923	3,950	3,874	3,761	3,706	3,606	3,440	3,155	2,902
06/11/05	2,693	2,590	2,487	2,455	2,423	2,506	2,605	2,779	2,996	3,175	3,325	3,399	3,507	3,551	3,623	3,706	3,731	3,690	3,651	3,650	3,535	3,366	3,117	2,856
06/12/05	2,682	2,570	2,476	2,444	2,408	2,420	2,469	2,622	2,821	3,019	3,169	3,311	3,436	3,529	3,607	3,716	3,736	3,745	3,709	3,727	3,660	3,440	3,145	2,814
06/13/05	2,846	2,756	2,603	2,582	2,																			

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
07/01/05	3.468	3.347	3.299	3.235	3.199	3.258	3.551	3.827	4.051	4.226	4.415	4.684	4.772	4.939	5.062	5.111	5.171	5.082	4.866	4.718	4.585	4.391	4.041	3.794
07/02/05	3.428	3.309	3.153	3.105	3.014	3.086	3.151	3.354	3.639	3.917	4.194	4.337	4.554	4.629	4.755	4.868	4.811	4.779	4.651	4.592	4.417	4.241	3.955	3.673
07/03/05	3.481	3.345	3.204	3.156	3.071	3.059	3.090	3.271	3.514	3.812	4.046	4.265	4.461	4.591	4.687	4.835	4.808	4.781	4.667	4.639	4.538	4.288	3.971	3.607
07/04/05	3.798	3.700	3.538	3.520	3.412	3.397	3.452	3.613	3.915	4.261	4.502	4.853	5.063	5.127	5.205	5.461	5.453	5.349	5.136	5.061	4.659	4.433	4.176	4.176
07/05/05	3.986	3.716	3.605	3.578	3.625	3.698	3.825	4.228	4.484	4.703	4.979	5.221	5.360	5.450	5.603	5.738	5.738	5.594	5.497	5.323	5.142	4.948	4.564	4.205
07/06/05	3.894	3.633	3.526	3.498	3.544	3.621	3.757	4.147	4.394	4.607	4.877	5.112	5.250	5.343	5.493	5.636	5.628	5.490	5.394	5.225	5.047	4.854	4.470	4.111
07/07/05	3.864	3.605	3.497	3.472	3.518	3.597	3.737	4.123	4.370	4.575	4.843	5.076	5.214	5.308	5.458	5.586	5.586	5.453	5.360	5.193	5.017	4.824	4.440	4.081
07/08/05	4.036	3.914	3.888	3.805	3.726	3.734	4.036	4.349	4.602	4.790	5.010	5.357	5.422	5.612	5.746	5.778	5.873	5.784	5.512	5.339	5.199	4.989	4.615	4.385
07/09/05	4.084	3.974	3.763	3.716	3.536	3.667	3.720	3.928	4.246	4.396	4.597	5.035	5.318	5.369	5.496	5.652	5.643	5.481	5.318	5.290	5.072	4.924	4.615	4.315
07/10/05	4.215	4.088	3.904	3.879	3.733	3.726	3.719	3.952	4.240	4.621	4.913	5.215	5.483	5.654	5.776	6.026	6.026	5.939	5.895	5.679	5.719	5.644	5.329	4.944
07/11/05	4.158	4.097	3.781	3.750	3.925	4.003	4.242	4.486	4.852	5.077	5.396	5.555	5.855	5.971	6.139	6.269	6.241	6.209	5.883	5.780	5.664	5.536	5.109	4.671
07/12/05	3.934	3.669	3.559	3.532	3.584	3.544	3.690	4.056	4.305	4.513	4.775	5.003	5.140	5.236	5.384	5.524	5.519	5.385	5.289	5.126	4.953	4.759	4.377	4.018
07/13/05	3.802	3.551	3.446	3.418	3.463	3.544	3.690	4.066	4.305	4.513	4.775	5.003	5.140	5.236	5.384	5.524	5.519	5.385	5.289	5.126	4.953	4.759	4.377	4.018
07/14/05	3.788	3.537	3.431	3.406	3.451	3.533	3.682	4.056	4.297	4.497	4.758	5.082	5.122	5.220	5.367	5.504	5.495	5.366	5.272	5.110	4.939	4.746	4.362	4.004
07/15/05	3.795	3.672	3.636	3.561	3.502	3.534	3.835	4.135	4.381	4.567	4.758	5.082	5.122	5.220	5.367	5.504	5.495	5.366	5.272	5.110	4.939	4.746	4.362	4.004
07/16/05	3.515	3.396	3.233	3.185	3.085	3.162	3.227	3.433	3.725	4.011	4.299	4.443	4.670	4.741	4.870	4.986	4.996	4.888	4.757	4.696	4.513	4.340	4.050	3.766
07/17/05	3.645	3.507	3.357	3.310	3.214	3.205	3.236	3.427	3.677	3.993	4.238	4.465	4.670	4.801	4.893	5.051	5.010	4.983	4.862	4.840	4.733	4.475	4.151	3.771
07/18/05	3.691	3.451	3.348	3.320	3.364	3.418	3.579	3.932	4.160	4.359	4.604	4.818	4.954	5.055	5.198	5.334	5.333	5.205	5.108	4.956	4.795	4.599	4.221	3.864
07/19/05	3.651	3.415	3.312	3.285	3.329	3.418	3.579	3.932	4.160	4.359	4.604	4.818	4.954	5.055	5.198	5.334	5.333	5.205	5.108	4.956	4.795	4.599	4.221	3.864
07/20/05	3.691	3.451	3.348	3.320	3.364	3.418	3.579	3.932	4.160	4.359	4.604	4.818	4.954	5.055	5.198	5.334	5.333	5.205	5.108	4.956	4.795	4.599	4.221	3.864
07/21/05	3.730	3.485	3.381	3.355	3.400	3.485	3.638	4.004	4.240	4.437	4.693	4.915	5.205	5.296	5.431	5.524	5.424	5.297	5.203	5.046	4.878	4.685	4.302	3.944
07/22/05	3.257	3.141	3.090	3.034	3.013	3.088	3.376	3.631	3.832	3.989	4.157	4.387	4.474	4.627	4.743	4.792	4.841	4.748	4.551	4.427	4.305	4.118	3.788	3.538
07/23/05	3.328	3.210	3.061	3.014	2.932	3.000	3.066	3.263	3.460	3.806	4.069	4.414	4.613	4.723	4.734	4.703	4.739	4.643	4.521	4.464	4.300	4.123	3.842	3.562
07/24/05	3.105	2.867	2.867	2.824	2.764	2.755	2.786	2.945	3.163	3.410	3.606	3.793	3.958	4.079	4.175	4.304	4.307	4.288	4.197	4.179	4.099	3.869	3.571	3.237
07/25/05	3.142	2.889	2.889	2.862	2.959	3.075	3.342	3.559	3.792	3.960	4.151	4.272	4.457	4.573	4.701	4.802	4.811	4.760	4.586	4.491	4.379	4.202	3.826	3.454
07/26/05	3.329	3.127	3.035	3.009	3.053	3.157	3.347	3.651	3.847	4.019	4.227	4.478	4.635	4.766	4.887	4.992	5.126	5.003	4.904	4.768	4.620	4.425	4.051	3.698
07/27/05	3.492	3.273	3.176	3.148	3.191	3.287	3.461	3.790	4.003	4.190	4.420	4.620	4.751	4.854	4.992	5.121	5.247	5.250	5.128	4.989	4.932	4.732	4.269	3.980
07/28/05	3.434	3.220	3.124	3.098	3.142	3.240	3.420	3.741	3.951	4.127	4.350	4.544	4.673	4.778	4.914	5.037	5.039	4.921	4.825	4.697	4.534	4.361	3.988	3.636
07/29/05	3.636	3.514	3.472	3.402	3.355	3.400	3.698	3.987	4.224	4.407	4.608	4.902	4.986	5.161	5.286	5.332	5.402	5.317	5.088	4.926	4.788	4.590	4.229	3.986
07/30/05	3.725	3.608	3.428	3.381	3.261	3.321	3.413	3.624	3.928	4.229	4.538	4.681	4.929	4.992	5.121	5.247	5.250	5.128	4.989	4.932	4.732	4.567	4.269	3.980
07/31/05	3.712	3.574	3.420	3.374	3.274	3.266	3.297	3.492	3.745	4.068	4.316	4.548	4.756	4.888	4.979	5.141	5.094	5.076	4.944	4.924	4.817	4.555	4.228	3.841
08/01/05	3.650	3.551	3.318	3.277	3.399	3.490	3.755	3.995	4.307	4.512	4.763	4.909	5.147	5.261	5.407	5.520	5.519	5.484	5.258	5.486	5.310	5.126	4.816	4.400
08/02/05	3.920	3.651	3.538	3.509	3.557	3.640	3.787	4.189	4.446	4.668	4.945	5.188	5.332	5.431	5.587	5.736	5.728	5.585	5.426	5.486	5.310	5.126	4.816	4.400
08/03/05	3.870	3.606	3.495	3.466	3.513	3.598	3.748	4.143	4.395	4.613	4.889	5.128	5.271	5.371	5.526	5.673	5.667	5.527	5.486	5.310	5.126	4.816	4.400	
08/04/05	3.666	3.421	3.315	3.288	3.334	3.428	3.598	3.964	4.201	4.400	4.656	4.878	5.019	5.126	5.275	5.412	5.408	5.279	5.180	5.025	4.858	4.655	4.259	3.886
08/05/05	3.845	3.579	3.472	3.445	3.539	3.632	3.887	4.201	4.457	4.652	4.871	5.201	5.282	5.471	5.605	5.648	5.731	5.643	5.389	5.212	5.065	4.854	4.469	4.050
08/06/05	3.783	3.662	3.472	3.423	3.296	3.389	3.456	3.676	3.995	4.310	4.634	4.783	5.044	5.109	5.244	5.376	5.379	5.251	5.104	5.046	4.835	4.654	4.352	4.020
08/07/05	3.826	3.683	3.518	3.471	3.362	3.355	3.387	3.594	3.862	4.206	4.469	4.716	4.938	5.076	5.171	5.346	5.346	5.291	5.263	5.130	5.001	4.724	4.378	3.964
08/08/05	3.922	3.830	3.557	3.515	3.658	3.740	3.998	4.242	4.585	4.800	5.080	5.232	5.495	5.628	5.784	5.864	5.864	5.732	5.582	5.442	5.310	5.158	4.732	4.300
08/09/05	3.918	3.649	3.536	3.507	3.555	3.638	3.785	4.187	4.443	4.665	4.943	5.185	5.329	5.428	5.584	5.733	5.725	5.582	5.483	5.307	5.124	4.920	4.521	4.146
08/10/05	4.629	4.256	4.098	4.043	4.075	4.069	4.075	4.578	4.892	5.152	5.471	5.759	5.885	5.934	6.112	6.269	6.267	6.069	5.948	5.817	5.672	5.517	5.151	4.824
08/11/05	4.393	4.047	3.899	3.850	3.882	3.906	3.962	4.424	4.708	4.936	5.236	5.500	5.624	5.681	5.840	5.982	5.997	5.845	5.761	5.617	5.460	5.302	4.933	4.600
08/12/05	3.807	3.679	3.639	3.562	3.503	3.540	3.855	4.166	4.420	4.614	4.831	5.157	5.239	5.427	5.560	5.604	5.685	5.597	5.347	5.172	5.025	4.814	4.432	4.181
08/13/05	3.979	3.861	3.655	3.606	3.459	3.564	3.626	3.847	4.174	4.498	4.837	4.984	5.263	5.320	5.455	5.600	5.597	5.450	5.293	5.246	5.025	4.863	4.545	4.237
08/14/05	3.839	3.695	3.530	3.484	3.373	3.366	3.398	3.606	3.874	4.220	4.484	4.732	4.955	5.093	5.188	5.364	5.364	5.308	5.280	5.146	5.131	5.018	4.393	3.978
08/15/05	3.897	3.804	3.535	3.493	3.633	3.716	3.975	4.218	4.558	5.020	5.462	5.831	5.806	5.551	5.723	5.839	5.831	5.806	5.551	5.410	5.278	5.124	4.699	4.269
08/16/05	3.994	3.717	3.602	3.574	3.623	3.702	3.840	4.254	4.517	4.743	5.027	5.276	5.421	5.516	5.675	5.827	5.816</							

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
09/01/05	3.056	2.841	2.742	2.716	2.765	2.882	3.095	3.421	3.631	3.806	4.027	4.219	4.352	4.464	4.605	4.731	4.737	4.615	4.512	4.395	4.254	4.045	3.646	3.269
09/02/05	3.137	3.007	2.952	2.886	2.856	2.930	3.248	3.538	3.771	3.953	4.148	4.220	4.518	4.693	4.824	4.879	4.938	4.838	4.612	4.462	4.323	4.114	3.646	3.269
09/03/05	3.223	3.093	2.922	2.869	2.848	2.922	3.248	3.538	3.771	3.953	4.148	4.220	4.518	4.693	4.824	4.879	4.938	4.838	4.612	4.462	4.323	4.114	3.646	3.269
09/04/05	2.971	2.831	2.697	2.648	2.562	2.448	2.920	3.142	3.454	3.759	4.063	4.220	4.458	4.540	4.678	4.802	4.816	4.704	4.564	4.499	4.307	4.115	3.801	3.492
09/05/05	3.188	3.054	2.894	2.857	2.765	2.754	2.796	2.965	3.286	3.651	3.903	4.213	4.409	4.499	4.679	4.845	4.880	4.806	4.612	4.566	4.373	4.150	3.839	3.518
09/06/05	3.731	3.448	3.330	3.302	3.355	3.442	3.595	4.022	4.286	4.532	4.827	5.086	5.344	5.510	5.669	5.826	5.902	5.806	5.502	5.394	5.207	4.791	4.369	3.972
09/07/05	3.384	3.134	3.025	2.994	3.042	3.142	3.325	3.418	3.812	4.153	4.416	4.643	4.790	4.902	5.056	5.201	5.203	5.066	4.958	4.800	4.629	4.415	4.003	3.613
09/08/05	3.507	3.243	3.130	3.102	3.150	3.245	3.418	3.812	4.067	4.280	4.556	4.795	4.944	5.054	5.212	5.358	5.352	5.215	5.111	4.942	4.763	4.550	4.132	3.741
09/09/05	3.330	3.396	3.353	3.274	3.216	3.259	3.587	3.910	4.174	4.377	4.601	4.935	5.024	5.191	5.357	5.406	5.487	5.394	5.137	4.955	4.802	4.583	4.184	3.920
09/10/05	3.616	3.489	3.286	3.234	3.095	3.197	3.265	3.497	3.834	4.167	4.511	4.667	4.946	5.011	5.153	5.295	5.296	5.157	5.001	4.942	4.718	4.541	4.212	3.894
09/11/05	3.327	3.177	3.020	2.968	2.871	2.859	2.893	3.094	3.362	3.695	3.954	4.141	4.557	4.660	4.825	4.946	4.942	4.762	4.635	4.466	4.493	4.217	3.867	3.465
09/12/05	3.381	3.276	3.037	2.995	3.120	3.283	3.496	3.747	4.069	4.342	4.542	4.944	5.061	5.214	5.332	5.332	5.294	5.060	4.914	4.776	4.597	4.217	3.867	3.465
09/13/05	3.317	3.074	2.965	2.936	2.983	3.087	3.277	3.641	3.878	4.085	4.338	4.558	4.704	4.818	4.969	5.112	5.115	4.980	4.872	4.720	4.556	4.341	3.932	3.544
09/14/05	3.379	3.130	3.021	2.990	3.038	3.133	3.321	3.695	3.937	4.148	4.410	4.637	4.896	4.950	5.105	5.247	5.244	5.109	5.004	4.843	4.670	4.457	4.041	3.651
09/15/05	3.421	3.166	3.055	3.026	3.075	3.173	3.354	3.734	3.982	4.190	4.457	4.688	4.836	4.948	5.103	5.247	5.244	5.109	5.004	4.843	4.670	4.457	4.041	3.651
09/16/05	3.433	3.300	3.253	3.177	3.126	3.177	3.503	3.818	4.077	4.277	4.496	4.816	4.909	5.100	5.237	5.288	5.363	5.269	5.020	4.844	4.693	4.476	4.082	3.814
09/17/05	3.182	3.052	2.884	2.832	2.735	2.884	3.104	3.413	3.714	4.012	4.168	4.401	4.484	4.561	4.706	4.835	4.665	4.542	4.439	4.327	4.191	3.982	3.589	3.214
09/18/05	3.152	3.005	2.859	2.807	2.722	2.708	2.741	2.932	3.191	3.503	3.750	3.981	4.188	4.330	4.437	4.593	4.575	4.546	4.426	4.395	4.290	4.022	3.680	3.292
09/19/05	3.150	3.195	2.967	2.926	3.047	3.149	3.429	3.678	3.991	4.201	4.452	4.602	4.842	4.965	5.116	5.233	5.236	5.193	4.966	4.824	4.688	4.505	4.073	3.641
09/20/05	3.321	3.078	2.969	2.939	2.987	3.091	3.280	3.645	3.882	4.090	4.344	4.564	4.710	4.823	4.975	5.118	5.121	4.986	4.878	4.726	4.561	4.346	3.937	3.549
09/21/05	3.006	2.798	2.702	2.674	2.723	2.844	3.061	3.378	3.578	3.753	3.967	4.151	4.280	4.390	4.528	4.653	4.665	4.542	4.439	4.327	4.191	3.982	3.589	3.214
09/22/05	3.125	2.902	2.801	2.774	2.822	2.935	3.141	3.478	3.696	3.879	4.110	4.310	4.448	4.561	4.706	4.835	4.665	4.542	4.439	4.327	4.191	3.982	3.589	3.214
09/23/05	2.834	2.714	2.661	2.609	2.601	2.704	3.020	3.275	3.460	3.604	3.758	3.965	4.049	4.196	4.311	4.359	4.402	4.302	4.116	4.010	3.891	3.696	3.362	3.092
09/24/05	2.621	2.513	2.401	2.364	2.325	2.403	2.495	2.676	2.907	3.105	3.277	3.367	3.494	3.550	3.635	3.726	3.751	3.697	3.638	3.627	3.504	3.328	3.068	2.797
09/25/05	2.990	2.849	2.714	2.664	2.590	2.577	2.609	2.791	2.981	3.040	3.360	3.361	3.428	3.411	3.428	3.437	3.458	3.454	3.459	3.469	3.450	3.268	3.068	2.797
09/26/05	2.809	2.714	2.548	2.523	2.626	2.762	2.896	3.160	3.301	3.423	3.573	3.700	3.797	3.885	3.993	4.091	4.103	4.009	3.946	3.886	3.778	3.582	3.223	2.876
09/27/05	2.691	2.524	2.447	2.424	2.484	2.687	2.826	3.160	3.301	3.423	3.573	3.700	3.797	3.885	3.993	4.091	4.103	4.009	3.946	3.886	3.778	3.582	3.223	2.876
09/28/05	2.519	2.425	2.386	2.358	2.381	2.534	2.871	3.038	3.340	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444	3.444
09/29/05	2.678	2.512	2.436	2.421	2.479	2.631	2.892	3.154	3.294	3.406	3.554	3.680	3.774	3.860	3.967	4.059	4.068	3.979	3.922	3.865	3.758	3.566	3.206	2.860
09/30/05	2.969	2.765	2.671	2.644	2.694	2.847	3.109	3.379	3.582	3.730	3.883	4.032	4.181	4.275	4.364	4.453	4.453	4.364	4.307	4.250	4.143	3.956	3.552	3.152
10/01/05	2.323	2.244	2.172	2.157	2.152	2.255	2.381	2.538	2.705	2.818	2.888	2.898	2.937	2.974	3.045	3.070	3.027	3.027	3.037	3.077	3.111	3.233	2.958	2.709
10/02/05	2.285	2.200	2.136	2.124	2.113	2.160	2.237	2.373	2.523	2.645	2.718	2.779	2.833	2.866	2.893	2.959	2.980	3.034	3.088	3.155	3.097	2.917	2.667	2.380
10/03/05	2.349	2.281	2.177	2.174	2.275	2.456	2.777	3.042	3.316	3.377	3.663	3.745	3.777	3.821	3.866	3.929	3.878	3.878	3.878	3.878	3.878	3.878	3.878	3.878
10/04/05	2.543	2.393	2.324	2.311	2.371	2.532	2.799	3.071	3.347	3.487	3.568	3.643	3.736	3.821	3.832	3.753	3.753	3.753	3.753	3.753	3.753	3.753	3.753	3.753
10/05/05	2.570	2.415	2.345	2.330	2.389	2.545	2.807	3.055	3.177	3.282	3.416	3.528	3.613	3.691	3.789	3.876	3.889	3.806	3.758	3.710	3.607	3.422	3.077	2.744
10/06/05	2.618	2.455	2.380	2.365	2.422	2.571	2.826	3.084	3.221	3.331	3.477	3.593	3.694	3.779	3.883	3.974	3.983	3.896	3.839	3.783	3.678	3.489	3.136	2.797
10/07/05	2.772	2.655	2.602	2.552	2.543	2.644	2.953	3.204	3.386	3.528	3.680	3.883	3.966	4.111	4.223	4.271	4.313	4.215	4.032	3.928	3.810	3.619	3.291	3.026
10/08/05	2.624	2.513	2.395	2.355	2.309	2.382	2.467	2.649	2.888	3.099	3.289	3.428	3.534	3.599	3.692	3.788	3.813	3.749	3.674	3.654	3.525	3.347	3.083	2.809
10/09/05	2.679	2.553	2.441	2.399	2.345	2.341	2.377	2.541	2.763	3.004	3.195	3.377	3.538	3.658	3.755	3.884	3.895	3.883	3.803	3.794	3.716	3.479	3.167	2.820
10/10/05	2.720	2.628	2.468	2.444	2.545	2.680	2.973	3.200	3.429	3.595	3.785	3.905	4.089	4.211	4.342	4.446	4.457	4.401	4.231	4.145	4.030	3.840	3.446	3.057
10/11/05	2.886	2.688	2.595	2.570	2.619	2.742	2.961	3.263	3.453	3.618	3.817	3.989	4.113	4.219	4.350	4.470	4.482	4.364	4.267	4.165	4.037	3.832	3.452	3.088
10/12/05	2.985	2.780	2.689	2.666	2.718	2.838	3.051	3.373	3.580	3.761	3.982	4.173	4.307	4.421	4.563	4.693	4.708	4.576	4.463	4.338	4.191	3.975	3.577	3.197
10/13/05	2.787	2.601	2.514	2.493	2.544	2.674	2.905	3.192	3.367	3.510	3.693	3.850	3.964	4.065	4.188	4.297	4.306	4.199	4.114	4.029	3.910	3.711	3.337	2.981
10/14/05	2.685	2.574	2.478	2.478	2.477	2.589	2.901	3.139	3.303	3.428	3.563	3.744	3.818	3.951	4.055	4.098	4.135	4.042	3.877	3.788	3.677	3.494	3.179	2.918
10/15/05	2.444	2.349	2.256	2.229	2.205	2.292	2.397	2.563	2.763	2.922	3.046	3.102	3.189	3.219	3.278	3.351	3.375	3.348	3.331	3.340	3.232	3.075	2.840	2.592
10/16/05	2.323	2.233	2.163	2.146	2.130	2.168	2.238	2.377	2.537	2.675	2.765	2.845	2.915	2.962	3.001	3.073	3.099	3.142	3.175	3.230	3.171	2.983	2.723	2.427
10/17/05	2.340	2.273	2.170	2.168	2.269	2.452	2.774	3.067	3.300	3.493	3.642	3.734	3.834	3.929	4.018	4.103</								

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/05	2,160	2,090	2,076	2,098	2,187	2,432	2,787	2,932	2,882	2,829	2,807	2,779	2,755	2,733	2,727	2,731	2,720	2,766	2,917	2,953	2,866	2,746	2,517	2,280
11/02/05	2,184	2,109	2,092	2,109	2,196	2,431	2,776	2,927	2,891	2,850	2,842	2,826	2,811	2,797	2,800	2,810	2,803	2,837	2,968	2,999	2,912	2,789	2,551	2,307
11/03/05	2,173	2,099	2,083	2,105	2,193	2,432	2,783	2,932	2,891	2,838	2,824	2,804	2,784	2,767	2,766	2,770	2,758	2,800	2,943	2,978	2,891	2,770	2,535	2,294
11/04/05	2,184	2,134	2,127	2,132	2,191	2,407	2,772	2,916	2,904	2,843	2,838	2,819	2,802	2,799	2,802	2,778	2,780	2,793	2,859	2,882	2,809	2,720	2,537	2,294
11/05/05	2,153	2,110	2,081	2,091	2,118	2,252	2,419	2,554	2,654	2,678	2,644	2,562	2,507	2,421	2,384	2,373	2,388	2,475	2,631	2,705	2,627	2,542	2,399	2,238
11/06/05	2,133	2,085	2,057	2,069	2,185	2,309	2,309	2,422	2,501	2,527	2,494	2,444	2,298	2,238	2,284	2,294	2,259	2,272	2,552	2,627	2,552	2,373	2,155	1,923
11/07/05	2,148	2,108	2,055	2,070	2,175	2,330	2,729	2,870	2,907	2,910	2,932	2,912	2,937	2,949	2,968	2,987	2,989	3,029	3,081	3,112	3,033	2,903	2,639	2,369
11/08/05	2,226	2,141	2,115	2,128	2,210	2,432	2,763	2,925	2,913	2,893	2,902	2,903	2,904	2,904	2,938	2,938	2,953	3,055	3,077	2,992	2,859	2,609	2,354	2,087
11/09/05	2,259	2,167	2,137	2,146	2,224	2,435	2,754	2,925	2,928	2,924	2,950	2,965	2,974	2,985	3,013	3,042	3,041	3,042	3,122	3,077	2,914	2,653	2,391	2,128
11/10/05	2,337	2,228	2,186	2,190	2,261	2,451	2,748	2,937	2,979	3,002	3,058	3,102	3,135	3,167	3,216	3,260	3,260	3,237	3,276	3,276	3,190	3,040	2,757	2,479
11/11/05	2,249	2,189	2,173	2,170	2,218	2,414	2,748	2,918	2,955	2,924	2,979	2,979	2,953	2,961	2,974	2,970	2,977	2,966	2,995	2,918	2,813	2,611	2,409	2,155
11/12/05	2,251	2,188	2,136	2,131	2,139	2,250	2,387	2,529	2,664	2,737	2,763	2,737	2,701	2,702	2,726	2,745	2,748	2,867	2,916	2,832	2,720	2,545	2,353	2,087
11/13/05	2,187	2,126	2,085	2,087	2,095	2,169	2,271	2,390	2,495	2,557	2,568	2,562	2,557	2,535	2,516	2,543	2,558	2,647	2,776	2,878	2,824	2,683	2,480	2,239
11/14/05	2,148	2,080	2,075	2,086	2,177	2,387	2,716	2,869	2,864	2,859	2,831	2,767	2,726	2,712	2,658	2,670	2,675	2,767	2,952	2,939	2,891	2,765	2,542	2,326
11/15/05	2,316	2,272	2,246	2,288	2,364	2,627	3,017	3,200	3,149	3,041	2,960	2,899	2,836	2,804	2,785	2,748	2,768	2,865	3,037	3,073	3,018	2,893	2,684	2,444
11/16/05	2,194	2,116	2,097	2,114	2,199	2,431	2,772	2,926	2,896	2,860	2,856	2,845	2,832	2,822	2,829	2,842	2,835	2,864	2,989	3,018	2,931	2,805	2,564	2,318
11/17/05	2,167	2,100	2,077	2,100	2,190	2,433	2,788	2,934	2,887	2,837	2,808	2,783	2,759	2,737	2,733	2,734	2,720	2,768	2,920	2,957	2,869	2,751	2,519	2,282
11/18/05	2,167	2,120	2,115	2,123	2,184	2,407	2,772	2,917	2,897	2,849	2,821	2,808	2,763	2,760	2,745	2,726	2,727	2,746	2,826	2,852	2,780	2,695	2,518	2,331
11/19/05	2,108	2,076	2,058	2,077	2,114	2,260	2,444	2,576	2,658	2,593	2,481	2,397	2,284	2,227	2,197	2,209	2,209	2,323	2,518	2,604	2,527	2,458	2,331	2,187
11/20/05	2,330	2,305	2,281	2,305	2,348	2,480	2,663	2,836	2,813	2,864	2,858	2,837	2,829	2,829	2,837	2,837	2,837	2,882	2,986	2,982	2,882	2,718	2,536	2,336
11/21/05	2,204	2,157	2,154	2,187	2,278	2,534	2,973	3,135	3,089	2,988	2,951	2,872	2,828	2,811	2,781	2,767	2,779	2,873	3,008	3,039	2,972	2,859	2,621	2,377
11/22/05	2,275	2,234	2,192	2,214	2,297	2,580	2,940	3,105	3,055	2,960	2,896	2,841	2,775	2,757	2,708	2,697	2,709	2,830	3,015	3,028	2,985	2,879	2,665	2,426
11/23/05	2,317	2,272	2,248	2,289	2,365	2,627	3,016	3,200	3,148	3,040	2,961	2,890	2,837	2,804	2,786	2,748	2,768	2,866	3,037	3,074	3,017	2,893	2,684	2,444
11/24/05	2,264	2,243	2,273	2,285	2,391	2,601	2,902	3,053	2,995	2,913	2,829	2,726	2,677	2,622	2,590	2,590	2,632	2,767	3,013	2,982	2,881	2,828	2,600	2,373
11/25/05	2,448	2,399	2,380	2,414	2,457	2,776	3,209	3,375	3,313	3,232	3,193	3,024	2,902	2,779	2,691	2,643	2,675	2,888	3,148	3,102	3,048	2,973	2,850	2,687
11/26/05	2,653	2,581	2,588	2,620	2,687	2,818	3,041	3,283	3,375	3,344	3,060	2,934	2,829	2,711	2,639	2,592	2,662	2,865	3,108	3,155	3,110	3,019	2,822	2,605
11/27/05	2,556	2,512	2,495	2,537	2,588	2,714	2,887	3,102	3,178	3,144	3,060	2,934	2,829	2,711	2,639	2,592	2,662	2,865	3,108	3,155	3,110	3,019	2,822	2,605
11/28/05	2,528	2,453	2,463	2,482	2,612	2,877	3,308	3,526	3,446	3,388	3,189	3,026	2,929	2,887	2,795	2,824	2,861	3,081	3,371	3,341	3,330	3,214	2,975	2,740
11/29/05	2,511	2,466	2,444	2,440	2,524	2,845	3,226	3,409	3,324	3,155	3,025	2,924	2,816	2,781	2,712	2,703	2,733	2,941	3,202	3,207	3,184	3,097	2,887	2,646
11/30/05	2,370	2,335	2,298	2,328	2,420	2,728	3,107	3,288	3,217	3,086	2,995	2,920	2,834	2,806	2,747	2,748	2,897	3,106	3,114	3,075	2,975	2,757	2,514	2,280
12/01/05	2,554	2,517	2,478	2,520	2,628	2,983	3,414	3,625	3,537	3,423	3,316	3,036	2,999	2,926	2,905	2,921	3,111	3,364	3,369	3,330	3,222	2,978	2,705	2,450
12/02/05	2,618	2,581	2,572	2,617	2,770	3,038	3,535	3,787	3,675	3,505	3,364	3,181	3,080	3,019	2,908	2,873	2,916	3,041	3,307	3,307	3,224	3,188	3,027	2,809
12/03/05	2,626	2,547	2,546	2,572	2,634	2,778	3,011	3,252	3,338	3,298	3,187	3,047	2,928	2,813	2,732	2,689	2,722	2,898	3,160	3,156	3,096	3,009	2,869	2,681
12/04/05	2,643	2,593	2,574	2,615	2,669	2,805	2,992	3,222	3,305	3,269	3,180	3,047	2,935	2,810	2,732	2,683	2,756	2,972	3,236	3,239	3,141	2,928	2,694	2,450
12/05/05	2,629	2,568	2,598	2,635	2,798	3,113	3,606	3,871	3,775	3,620	3,466	3,281	3,164	3,110	3,000	3,019	3,041	3,256	3,564	3,534	3,471	3,380	3,110	2,840
12/06/05	2,817	2,795	2,760	2,817	2,937	3,335	3,793	4,029	3,909	3,680	3,494	3,344	3,188	3,128	3,027	3,003	3,036	3,301	3,616	3,601	3,571	3,473	3,326	2,943
12/07/05	2,912	2,836	2,836	2,862	2,951	3,341	3,797	3,996	3,874	3,640	3,461	3,303	3,143	3,099	3,002	2,991	3,051	3,375	3,724	3,709	3,702	3,636	3,391	3,118
12/08/05	3,010	2,968	2,884	2,910	3,001	3,401	3,879	4,071	3,944	3,704	3,555	3,374	3,214	3,178	3,080	3,066	3,306	3,600	3,787	3,783	3,726	3,471	3,195	2,908
12/09/05	2,821	2,789	2,783	2,839	3,006	3,277	3,778	4,062	3,947	3,741	3,555	3,336	3,199	3,116	2,980	2,943	3,008	3,201	3,492	3,466	3,379	3,355	3,198	2,968
12/10/05	2,638	2,559	2,559	2,586	2,649	2,793	3,028	3,272	3,358	3,316	3,201	3,048	2,936	2,819	2,738	2,693	2,726	2,906	3,171	3,164	3,104	3,017	2,877	2,691
12/11/05	2,663	2,613	2,594	2,637	2,692	2,830	3,018	3,252	3,336	3,299	3,208	3,072	2,957	2,830	2,751	2,701	2,775	2,995	3,261	3,253	3,164	3,017	2,877	2,691
12/12/05	2,572	2,513	2,538	2,573	2,731	3,046	3,533	3,791	3,696	3,546	3,399	3,225	3,115	3,066	2,962	2,976	2,991	3,189	3,488	3,471	3,450	3,319	3,050	2,780
12/13/05	2,658	2,658	2,622	2,672	2,787	3,166	3,611	3,837	3,730	3,528	3,368	3,242	3,108	3,058	2,970	2,949	2,975	3,202	3,488	3,483	3,449	3,344	3,101	2,823
12/14/05	2,628	2,596	2,560	2,605	2,717	3,086	3,524	3,744	3,643	3,455	3,313	3,200	3,076	3,031	2,949	2,930	2,953	3,163	3,433	3,432	3,395	3,289	3,046	2,770
12/15/05	2,542	2,505	2,466	2,507	2,614	2,967	3,397	3,606	3,520	3,350	3,232	3,136	3,030	2,994	2,922	2,902	2,917	3,104	3,354	3,359	3,320	3,211	2,968	2,696
12/16/05	2,529	2,485	2,474	2,510	2,655	2,917	3,400	3,626	3,526	3,379	3,265	3,108	3,029	2,981	2,884	2,854	2,886	2,977	3,217	3,235	3,230	3,113	2,950	2,731
12/17/05	2,519	2,438	2,430	2,448	2,498	2,635	2,845	3,062	3,151	3,069	2,955	2,868	2,770	2,702	2,662	2,665								

# APS Own Load Hourly mW Forecast

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Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
01/01/06	2.612	2.554	2.533	2.568	2.616	2.751	2.931	3.147	3.227	3.199	3.126	3.012	2.914	2.802	2.731	2.686	2.753	2.956	3.207	3.265	3.210	3.116	2.904	2.674
01/02/06	2.609	2.551	2.531	2.568	2.617	2.755	2.938	3.152	3.232	3.202	3.127	2.990	2.888	2.780	2.709	2.664	2.731	2.937	3.188	3.247	3.194	3.101	2.892	2.666
01/03/06	2.596	2.538	2.516	2.555	2.604	3.026	3.467	3.679	3.591	3.428	3.309	3.212	3.106	3.070	2.998	2.981	2.999	3.183	3.434	3.440	3.399	3.284	3.036	2.757
01/04/06	2.664	2.631	2.592	2.636	2.749	3.123	3.571	3.793	3.694	3.510	3.374	3.264	3.143	3.100	3.020	3.001	3.023	3.228	3.497	3.498	3.459	3.348	3.098	2.816
01/05/06	2.816	2.789	2.753	2.809	2.930	3.328	3.792	4.031	3.917	3.689	3.515	3.376	3.228	3.172	3.076	3.049	3.075	3.329	3.639	3.631	3.597	3.494	3.239	2.951
01/06/06	2.753	2.718	2.710	2.761	2.923	3.201	3.719	3.993	3.874	3.685	3.524	3.321	3.204	3.132	3.009	2.971	3.023	3.174	3.462	3.450	3.364	3.329	3.164	2.938
01/07/06	2.845	2.764	2.771	2.806	2.881	3.032	3.287	3.661	3.892	3.836	3.643	3.427	3.290	3.190	2.990	2.874	2.874	3.106	3.402	3.357	3.210	3.070	2.883	2.688
01/08/06	2.823	2.777	2.758	2.812	2.874	3.025	3.228	3.482	3.568	3.526	3.430	3.285	3.167	3.032	2.952	2.895	2.980	3.226	3.505	3.554	3.500	3.396	3.162	2.905
01/09/06	2.841	2.777	2.804	2.864	2.934	3.068	3.289	3.568	3.788	3.868	3.760	3.599	3.511	3.465	3.366	3.295	3.450	3.741	4.038	3.971	3.937	3.780	3.452	3.165
01/10/06	2.820	2.994	2.940	2.991	3.106	3.524	4.006	4.238	4.107	3.858	3.658	3.489	3.317	3.259	3.150	3.128	3.176	3.489	3.839	3.817	3.797	3.712	3.455	3.163
01/11/06	2.785	2.768	2.733	2.785	2.903	3.300	3.761	3.998	3.883	3.666	3.496	3.361	3.216	3.160	3.066	3.044	3.073	3.317	3.620	3.612	3.577	3.472	3.220	2.932
01/12/06	2.784	2.755	2.718	2.773	2.893	3.286	3.747	3.983	3.872	3.653	3.485	3.351	3.209	3.155	3.063	3.037	3.061	3.306	3.608	3.602	3.567	3.463	3.209	2.922
01/13/06	2.709	2.671	2.663	2.710	2.869	3.146	3.661	3.925	3.808	3.629	3.479	3.326	3.178	3.112	2.995	2.959	3.005	3.140	3.419	3.415	3.330	3.293	3.127	2.902
01/14/06	2.661	2.579	2.576	2.600	2.660	2.806	3.039	3.279	3.368	3.337	3.234	3.093	2.988	2.875	2.797	2.754	2.787	2.957	3.217	3.222	3.160	3.068	2.921	2.727
01/15/06	2.602	2.543	2.522	2.556	2.604	2.737	2.916	3.130	3.210	3.183	3.112	3.001	2.888	2.780	2.709	2.664	2.746	2.948	3.197	3.255	3.199	3.106	2.894	2.665
01/16/06	2.609	2.551	2.531	2.568	2.617	2.755	2.938	3.152	3.232	3.202	3.127	2.990	2.888	2.780	2.709	2.664	2.731	2.937	3.188	3.247	3.194	3.101	2.892	2.666
01/17/06	2.564	2.525	2.481	2.518	2.624	2.979	3.415	3.623	3.541	3.388	3.278	3.188	3.089	3.056	2.987	2.971	2.988	3.162	3.405	3.412	3.370	3.254	3.007	2.728
01/18/06	2.552	2.512	2.470	2.505	2.610	2.961	3.394	3.601	3.519	3.370	3.266	3.180	3.082	3.056	2.984	2.967	2.984	3.155	3.393	3.402	3.358	3.243	2.995	2.717
01/19/06	2.511	2.467	2.422	2.456	2.558	2.899	3.326	3.527	3.456	3.314	3.224	3.147	3.058	3.031	2.968	2.950	2.962	3.123	3.353	3.366	3.320	3.205	2.955	2.680
01/20/06	2.579	2.532	2.521	2.555	2.703	3.292	3.715	3.965	3.892	3.747	3.635	3.535	3.433	3.357	3.260	3.231	2.962	3.048	3.289	3.310	3.227	3.185	3.015	2.790
01/21/06	2.490	2.403	2.386	2.426	2.466	2.589	2.751	2.940	3.021	3.014	2.971	2.892	2.820	2.730	2.670	2.651	2.690	2.871	3.090	3.150	3.091	3.000	2.791	2.569
01/22/06	2.492	2.428	2.402	2.426	2.466	2.589	2.751	2.940	3.021	3.014	2.971	2.892	2.820	2.730	2.670	2.651	2.690	2.871	3.090	3.150	3.091	3.000	2.791	2.569
01/23/06	2.394	2.333	2.334	2.359	2.490	2.784	3.226	3.427	3.359	3.284	3.207	3.100	3.040	3.018	2.949	2.953	2.952	3.090	3.334	3.344	3.306	3.172	2.893	2.625
01/24/06	2.486	2.442	2.395	2.425	2.524	2.860	3.281	3.476	3.410	3.284	3.199	3.126	3.042	3.018	2.958	2.944	2.958	3.108	3.330	3.343	3.296	3.177	2.931	2.657
01/25/06	2.492	2.441	2.413	2.460	2.547	2.846	3.290	3.500	3.440	3.317	3.227	3.158	3.085	3.048	3.027	2.984	3.007	3.119	3.314	3.356	3.291	3.150	2.911	2.637
01/26/06	2.325	2.241	2.224	2.249	2.350	2.624	3.025	3.194	3.084	3.068	3.043	3.020	2.999	2.997	2.997	3.001	2.987	3.037	3.202	3.242	3.142	3.005	2.737	2.463
01/27/06	2.336	2.279	2.272	2.278	2.346	2.595	3.013	3.176	3.160	3.112	3.086	3.072	3.032	3.033	3.022	3.003	3.005	3.021	3.101	3.128	3.045	2.945	2.737	2.522
01/28/06	2.463	2.429	2.472	2.472	2.532	2.739	3.076	3.283	3.317	3.254	3.165	3.043	2.999	2.913	2.835	2.835	2.875	3.109	3.330	3.289	3.182	3.111	2.933	2.682
01/29/06	2.264	2.215	2.187	2.205	2.232	2.350	2.500	2.627	2.708	2.724	2.674	2.596	2.529	2.444	2.370	2.359	2.369	2.513	2.750	2.907	2.842	2.713	2.518	2.277
01/30/06	2.363	2.309	2.306	2.344	2.427	2.740	3.241	3.426	3.373	3.258	3.216	3.128	3.044	3.019	2.958	2.959	3.110	3.332	3.345	3.399	3.351	3.234	2.990	2.718
02/01/06	2.549	2.505	2.459	2.487	2.583	2.910	3.323	3.515	3.451	3.332	3.254	3.187	3.106	3.083	3.025	3.011	3.026	3.170	3.385	3.399	3.351	3.234	2.990	2.718
02/02/06	2.595	2.552	2.508	2.542	2.643	2.983	3.407	3.607	3.536	3.393	3.301	3.224	3.135	3.107	3.044	3.026	3.038	3.200	3.429	3.441	3.396	3.282	3.035	2.762
02/03/06	2.680	2.622	2.601	2.635	2.725	2.870	3.099	3.335	3.423	3.395	3.296	3.159	3.056	2.946	2.869	2.828	2.860	3.026	3.281	3.288	3.227	3.135	2.989	2.796
02/04/06	2.729	2.648	2.644	2.667	2.725	2.870	3.099	3.335	3.423	3.395	3.296	3.159	3.056	2.946	2.869	2.828	2.860	3.026	3.281	3.288	3.227	3.135	2.989	2.796
02/05/06	2.659	2.622	2.601	2.635	2.725	2.870	3.099	3.335	3.423	3.395	3.296	3.159	3.056	2.946	2.869	2.828	2.860	3.026	3.281	3.288	3.227	3.135	2.989	2.796
02/06/06	2.719	2.660	2.685	2.721	2.882	3.203	3.701	3.964	3.868	3.715	3.564	3.386	3.274	3.224	3.118	3.133	3.148	3.323	3.655	3.638	3.616	3.483	3.208	2.933
02/07/06	2.813	2.783	2.745	2.795	2.911	3.295	3.747	3.975	3.869	3.668	3.511	3.387	3.254	3.205	3.117	3.097	3.122	3.347	3.633	3.629	3.594	3.486	3.238	2.955
02/08/06	2.937	2.900	2.850	2.893	3.000	3.388	3.838	4.063	3.948	3.724	3.546	3.403	3.252	3.199	3.105	3.087	3.128	3.400	3.725	3.718	3.693	3.600	3.355	3.073
02/09/06	2.767	2.733	2.695	2.743	2.857	3.232	3.680	3.904	3.805	3.609	3.467	3.353	3.230	3.185	3.103	3.033	3.080	3.314	3.590	3.590	3.553	3.445	3.195	2.914
02/10/06	2.789	2.752	2.744	2.792	2.949	3.224	3.734	3.997	3.881	3.702	3.552	3.360	3.252	3.186	3.070	3.033	3.080	3.215	3.493	3.488	3.403	3.367	3.203	2.980
02/11/06	2.659	2.576	2.567	2.585	2.636	2.774	2.988	3.207	3.299	3.293	3.220	3.106	3.019	2.919	2.851	2.846	2.846	2.992	3.228	3.245	3.183	3.087	2.937	2.741
02/12/06	2.662	2.603	2.581	2.614	2.660	2.791	2.966	3.174	3.252	3.228	3.162	3.056	2.964	2.859	2.791	2.748	2.812	3.009	3.251	3.309	3.253	3.161	2.952	2.727
02/13/06	2.567	2.510	2.520	2.550	2.695	3.007	3.476	3.704	3.616	3.501	3.389	3.253	3.172	3.140	3.056	3.062	3.064	3.225	3.495	3.503	3.474	3.344	3.065	2.792
02/14/06	2.592	2.549	2.505	2.537	2.638	2.977	3.401	3.599	3.527	3.392	3.299	3.221	3.132	3.105	3.042	3.028	3.043	3.200	3.427	3.438	3.393	3.277	3.032	2.759
02/15/06	2.566	2.520	2.475	2.504	2.602	2.933	3.349	3.543	3.476	3.352	3.270	3.199	3.115	3.099	3.031	3.017	3.032	3.181	3.399	3.399	3.365	3.249	3.004	2.732
02/16/06	2.564	2.521	2.475	2.507	2.605	2.937	3.355	3.550	3.485	3.353	3.271	3.200	3.117	3.092	3.033	3.015	3.026	3.179	3.401	3.415	3.368	3.253	3.006	2.734
02/17/06	2.512	2.456	2.436	2.456	2.582	2.829	3.274	3.457	3.391	3.302	3.241	3.137	3.097	3.074	2.999</									

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/06	2,336	2,291	2,266	2,307	2,385	2,649	3,043	3,229	3,176	3,067	2,987	2,926	2,861	2,828	2,810	2,772	2,792	2,891	3,064	3,101	3,044	2,919	2,707	2,464
03/02/06	2,336	2,290	2,264	2,308	2,385	2,650	3,045	3,231	3,181	3,066	2,986	2,925	2,862	2,829	2,811	2,770	2,786	2,888	3,064	3,102	3,045	2,921	2,707	2,465
03/03/06	2,475	2,433	2,418	2,463	2,547	2,808	3,209	3,364	3,305	3,122	2,994	2,887	2,785	2,724	2,675	2,669	2,675	2,785	2,980	2,984	2,964	2,936	2,808	2,584
03/04/06	2,367	2,310	2,280	2,318	2,371	2,555	2,853	3,037	3,067	3,011	2,932	2,824	2,785	2,751	2,748	2,747	2,751	2,882	3,078	3,042	2,947	2,885	2,727	2,504
03/05/06	2,307	2,248	2,223	2,242	2,275	2,380	2,517	2,679	2,752	2,754	2,725	2,664	2,606	2,531	2,481	2,447	2,498	2,653	2,838	2,892	2,839	2,757	2,573	2,377
03/06/06	2,272	2,220	2,223	2,247	2,367	2,635	3,035	3,221	3,154	3,076	2,998	2,895	2,837	2,816	2,750	2,754	2,753	2,882	3,105	3,115	3,084	2,966	2,718	2,477
03/07/06	2,337	2,298	2,257	2,284	2,372	2,671	3,048	3,219	3,159	3,043	2,968	2,886	2,827	2,823	2,751	2,738	2,766	2,886	3,084	3,095	3,054	2,949	2,731	2,487
03/08/06	2,374	2,337	2,299	2,328	2,420	2,727	3,108	3,289	3,220	3,096	2,966	2,933	2,849	2,823	2,765	2,751	2,766	2,912	3,119	3,128	3,088	2,985	2,766	2,521
03/09/06	2,505	2,492	2,476	2,536	2,635	3,004	3,421	3,637	3,543	3,366	3,238	3,133	3,019	2,973	2,894	2,866	2,872	3,047	3,277	3,271	3,227	3,121	2,889	2,630
03/10/06	2,430	2,390	2,380	2,413	2,540	2,784	3,225	3,431	3,340	3,206	3,102	2,959	2,886	2,843	2,754	2,748	2,757	2,929	3,058	3,074	3,001	2,964	2,814	2,615
03/11/06	2,384	2,309	2,299	2,312	2,354	2,475	2,658	2,846	2,932	2,884	2,793	2,732	2,722	2,638	2,580	2,548	2,577	2,701	2,902	2,919	2,864	2,776	2,640	2,464
03/12/06	2,278	2,226	2,230	2,254	2,326	2,436	2,581	2,751	2,822	2,814	2,773	2,700	2,633	2,552	2,498	2,463	2,516	2,678	2,875	2,928	2,876	2,795	2,611	2,413
03/13/06	2,336	2,290	2,264	2,306	2,385	2,649	3,044	3,229	3,177	3,068	2,986	2,924	2,861	2,828	2,810	2,772	2,792	2,890	3,064	3,101	3,044	2,918	2,708	2,465
03/14/06	2,336	2,291	2,266	2,307	2,385	2,649	3,043	3,229	3,176	3,067	2,987	2,926	2,861	2,828	2,810	2,772	2,792	2,891	3,064	3,101	3,044	2,919	2,707	2,464
03/15/06	2,336	2,290	2,264	2,308	2,386	2,650	3,045	3,231	3,181	3,066	2,986	2,925	2,862	2,829	2,811	2,770	2,786	2,888	3,064	3,102	3,045	2,921	2,707	2,465
03/16/06	2,475	2,433	2,418	2,463	2,547	2,808	3,209	3,364	3,305	3,122	2,994	2,887	2,785	2,724	2,675	2,669	2,675	2,785	2,980	2,984	2,964	2,936	2,808	2,584
03/17/06	2,367	2,310	2,280	2,318	2,371	2,555	2,853	3,037	3,067	3,011	2,932	2,824	2,785	2,751	2,748	2,747	2,751	2,882	3,078	3,042	2,947	2,885	2,727	2,504
03/18/06	2,307	2,248	2,223	2,242	2,275	2,380	2,517	2,679	2,752	2,754	2,725	2,664	2,606	2,531	2,481	2,447	2,498	2,653	2,838	2,892	2,839	2,757	2,573	2,377
03/19/06	2,272	2,220	2,223	2,247	2,367	2,635	3,035	3,221	3,154	3,076	2,998	2,895	2,837	2,816	2,750	2,754	2,753	2,882	3,105	3,115	3,084	2,966	2,718	2,477
03/20/06	2,337	2,298	2,257	2,284	2,372	2,671	3,048	3,219	3,159	3,043	2,968	2,886	2,827	2,823	2,751	2,738	2,766	2,886	3,084	3,095	3,054	2,949	2,731	2,487
03/21/06	2,374	2,337	2,299	2,328	2,420	2,727	3,108	3,289	3,220	3,096	2,966	2,933	2,849	2,823	2,765	2,751	2,766	2,912	3,119	3,128	3,088	2,985	2,766	2,521
03/22/06	2,505	2,492	2,476	2,536	2,635	3,004	3,421	3,637	3,543	3,366	3,238	3,133	3,019	2,973	2,894	2,866	2,872	3,047	3,277	3,271	3,227	3,121	2,889	2,630
03/23/06	2,430	2,390	2,380	2,413	2,540	2,784	3,225	3,431	3,340	3,206	3,102	2,959	2,886	2,843	2,754	2,748	2,757	2,929	3,058	3,074	3,001	2,964	2,814	2,615
03/24/06	2,384	2,309	2,299	2,312	2,354	2,475	2,658	2,846	2,932	2,884	2,793	2,732	2,722	2,638	2,580	2,548	2,577	2,701	2,902	2,919	2,864	2,776	2,640	2,464
03/25/06	2,278	2,226	2,230	2,254	2,326	2,436	2,581	2,751	2,822	2,814	2,773	2,700	2,633	2,552	2,498	2,463	2,516	2,678	2,875	2,928	2,876	2,795	2,611	2,413
03/26/06	2,336	2,290	2,264	2,306	2,385	2,649	3,044	3,229	3,177	3,068	2,986	2,924	2,861	2,828	2,810	2,772	2,792	2,890	3,064	3,101	3,044	2,918	2,708	2,465
03/27/06	2,336	2,291	2,266	2,307	2,385	2,649	3,043	3,229	3,176	3,067	2,987	2,926	2,861	2,828	2,810	2,772	2,792	2,891	3,064	3,101	3,044	2,919	2,707	2,464
03/28/06	2,475	2,433	2,418	2,463	2,547	2,808	3,209	3,364	3,305	3,122	2,994	2,887	2,785	2,724	2,675	2,669	2,675	2,785	2,980	2,984	2,964	2,936	2,808	2,584
03/29/06	2,367	2,310	2,280	2,318	2,371	2,555	2,853	3,037	3,067	3,011	2,932	2,824	2,785	2,751	2,748	2,747	2,751	2,882	3,078	3,042	2,947	2,885	2,727	2,504
03/30/06	2,307	2,248	2,223	2,242	2,275	2,380	2,517	2,679	2,752	2,754	2,725	2,664	2,606	2,531	2,481	2,447	2,498	2,653	2,838	2,892	2,839	2,757	2,573	2,377
03/31/06	2,272	2,220	2,223	2,247	2,367	2,635	3,035	3,221	3,154	3,076	2,998	2,895	2,837	2,816	2,750	2,754	2,753	2,882	3,105	3,115	3,084	2,966	2,718	2,477
04/01/06	2,337	2,298	2,257	2,284	2,372	2,671	3,048	3,219	3,159	3,043	2,968	2,886	2,827	2,823	2,751	2,738	2,766	2,886	3,084	3,095	3,054	2,949	2,731	2,487
04/02/06	2,374	2,337	2,299	2,328	2,420	2,727	3,108	3,289	3,220	3,096	2,966	2,933	2,849	2,823	2,765	2,751	2,766	2,912	3,119	3,128	3,088	2,985	2,766	2,521
04/03/06	2,505	2,492	2,476	2,536	2,635	3,004	3,421	3,637	3,543	3,366	3,238	3,133	3,019	2,973	2,894	2,866	2,872	3,047	3,277	3,271	3,227	3,121	2,889	2,630
04/04/06	2,430	2,390	2,380	2,413	2,540	2,784	3,225	3,431	3,340	3,206	3,102	2,959	2,886	2,843	2,754	2,748	2,757	2,929	3,058	3,074	3,001	2,964	2,814	2,615
04/05/06	2,384	2,309	2,299	2,312	2,354	2,475	2,658	2,846	2,932	2,884	2,793	2,732	2,722	2,638	2,580	2,548	2,577	2,701	2,902	2,919	2,864	2,776	2,640	2,464
04/06/06	2,278	2,226	2,230	2,254	2,326	2,436	2,581	2,751	2,822	2,814	2,773	2,700	2,633	2,552	2,498	2,463	2,516	2,678	2,875	2,928	2,876	2,795	2,611	2,413
04/07/06	2,336	2,290	2,264	2,306	2,385	2,649	3,044	3,229	3,177	3,068	2,986	2,924	2,861	2,828	2,810	2,772	2,792	2,890	3,064	3,101	3,044	2,918	2,708	2,465
04/08/06	2,336	2,291	2,266	2,307	2,385	2,649	3,043	3,229	3,176	3,067	2,987	2,926	2,861	2,828	2,810	2,772	2,792	2,891	3,064	3,101	3,044	2,919	2,707	2,464
04/09/06	2,475	2,433	2,418	2,463	2,547	2,808	3,209	3,364	3,305	3,122	2,994	2,887	2,785	2,724	2,675	2,669	2,675	2,785	2,980	2,984	2,964	2,936	2,808	2,584
04/10/06	2,367	2,310	2,280	2,318	2,371	2,555	2,853	3,037	3,067	3,011	2,932	2,824	2,785	2,751	2,748	2,747	2,751	2,882	3,078	3,042	2,947	2,885	2,727	2,504
04/11/06	2,307	2,248	2,223	2,242	2,275	2,380	2,517	2,679	2,752	2,754	2,725	2,664	2,606	2,531	2,481	2,447	2,498	2,653	2,838	2,892	2,839	2,757	2,573	2,377
04/12/06	2,272	2,220	2,223	2,247	2,367	2,635	3,035	3,221	3,154	3,076	2,998	2,895	2,837	2,816	2,750	2,754	2,753	2,882	3,105	3,115	3,084	2,966	2,718	2,477
04/13/06	2,337	2,298	2,257	2,284	2,372	2,671	3,048	3,219	3,159	3,043	2,968	2,886	2,827	2,823	2,751	2,738	2,766	2,886	3,084	3,095	3,054	2,949	2,731	2,487
04/14/06	2,374	2,337	2,299	2,328	2,420	2,727	3,108	3,289	3,220	3,096	2,966	2,933	2,849	2,823	2,765	2,751	2,766	2,912	3,119	3,128	3,088	2,985	2,766	2,521
04/15/06	2,505	2,492	2,476	2,536	2,635	3,004	3,421	3,637	3,543	3,366	3,238	3,133	3,019	2,973	2,894	2,866	2,872	3,047	3,277	3,271	3,227	3,121	2,889	2,630
04/16/06	2,430	2,390	2,380	2,413	2,540	2,784	3,225	3,431	3,340	3,206	3,102	2,959	2,886	2,843	2,754	2,748</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
05/01/06	2,665	2,584	2,454	2,444	2,553	2,738	3,080	3,304	3,481	3,609	3,758	3,846	3,993	4,102	4,212	4,303	4,272	4,154	4,114	4,005	3,807	3,414	3,025	
05/02/06	2,905	2,723	2,637	2,617	2,678	2,838	3,111	3,398	3,556	3,692	3,858	4,001	4,108	4,205	4,324	4,432	4,340	4,268	4,199	4,081	3,870	3,481	3,105	
05/03/06	2,737	2,580	2,511	2,499	2,568	2,751	3,053	3,310	3,420	3,514	3,683	3,741	3,819	3,893	3,987	4,072	4,084	4,007	3,978	3,941	3,833	3,637	3,273	
05/04/06	2,794	2,626	2,551	2,539	2,605	2,779	3,071	3,339	3,470	3,572	3,712	3,830	3,920	4,002	4,106	4,196	4,205	4,121	4,077	4,030	3,920	3,720	3,344	
05/05/06	2,676	2,577	2,537	2,509	2,535	2,705	3,069	3,289	3,392	3,459	3,540	3,655	3,692	3,784	3,857	3,881	3,905	3,836	3,744	3,702	3,599	3,432	3,141	
05/06/06	2,396	2,336	2,289	2,293	2,314	2,456	2,634	2,794	2,928	2,983	2,976	2,885	2,810	2,810	2,885	2,912	2,810	3,025	3,098	3,004	2,891	2,707	2,504	
05/07/06	2,359	2,294	2,253	2,260	2,274	2,469	2,497	2,633	2,743	2,799	2,793	2,765	2,741	2,698	2,661	2,625	2,695	2,811	2,987	3,117	3,054	2,900	2,675	
05/08/06	2,357	2,308	2,241	2,234	2,257	2,377	2,622	3,010	3,178	3,233	3,247	3,362	3,391	3,391	3,362	3,391	3,395	3,431	3,475	3,506	3,414	3,259	2,945	
05/09/06	2,464	2,358	2,322	2,334	2,425	2,672	3,045	3,241	3,331	3,344	3,238	3,263	3,289	3,301	3,365	3,363	3,462	3,480	3,381	3,221	3,221	2,920	2,618	
05/10/06	2,469	2,362	2,327	2,337	2,428	2,673	3,043	3,241	3,245	3,240	3,269	3,286	3,298	3,310	3,342	3,376	3,376	3,469	3,487	3,388	3,228	2,925	2,622	
05/11/06	2,493	2,379	2,340	2,351	2,439	2,677	3,041	3,245	3,264	3,302	3,302	3,329	3,348	3,367	3,406	3,443	3,439	3,517	3,530	3,431	3,268	2,957	2,648	
05/12/06	2,675	2,576	2,536	2,508	2,535	2,704	3,068	3,289	3,391	3,458	3,539	3,653	3,690	3,783	3,854	3,879	3,903	3,834	3,743	3,700	3,598	3,431	3,140	
05/13/06	2,568	2,478	2,395	2,376	2,367	2,476	2,610	2,783	2,973	3,105	3,193	3,213	3,265	3,301	3,358	3,383	3,383	3,418	3,451	3,344	3,190	2,958	2,708	
05/14/06	2,547	2,448	2,371	2,352	2,335	2,376	2,453	2,605	2,738	2,832	3,119	3,196	3,348	3,402	3,404	3,418	3,420	3,445	3,481	3,477	3,270	2,986	2,662	
05/15/06	2,614	2,537	2,415	2,409	2,519	2,711	3,058	3,276	3,438	3,553	3,689	3,766	3,901	4,002	4,104	4,188	4,200	4,164	4,063	3,926	3,773	3,349	2,967	
05/16/06	2,875	2,697	2,615	2,596	2,658	2,820	3,097	3,380	3,657	3,818	3,955	4,057	4,383	4,283	4,216	4,153	3,900	3,767	3,577	3,577	3,297	3,005	2,662	
05/17/06	2,875	2,697	2,615	2,596	2,658	2,820	3,097	3,380	3,657	3,818	3,955	4,057	4,383	4,283	4,216	4,153	3,900	3,767	3,577	3,577	3,297	3,005	2,662	
05/18/06	3,009	2,811	2,719	2,697	2,755	2,901	3,160	3,467	3,649	3,798	3,990	4,154	4,274	4,381	4,512	4,626	4,462	4,278	4,178	4,055	3,852	3,505	3,218	
05/19/06	2,960	2,836	2,780	2,729	2,727	2,847	3,188	3,452	3,635	3,776	3,927	4,130	4,212	4,360	4,476	4,524	4,566	4,462	4,278	4,178	4,055	3,852	3,505	
05/20/06	2,814	2,697	2,575	2,556	2,492	2,576	2,674	2,868	3,118	3,333	3,521	3,620	3,759	3,821	3,913	4,012	4,039	3,979	3,913	3,900	3,767	3,577	3,297	
05/21/06	2,843	2,713	2,599	2,558	2,507	2,589	2,692	2,926	3,178	3,322	3,515	3,620	3,759	3,821	3,913	4,012	4,039	3,979	3,913	3,900	3,767	3,577	3,297	
05/22/06	2,912	2,815	2,649	2,626	2,735	2,890	3,214	3,459	3,696	3,869	4,066	4,162	4,347	4,481	4,597	4,739	4,883	4,754	4,650	4,541	4,402	4,178	3,763	
05/23/06	3,146	2,931	2,831	2,803	2,857	2,993	3,235	3,563	3,768	3,947	4,162	4,347	4,481	4,597	4,739	4,883	4,754	4,650	4,541	4,402	4,178	3,763	3,370	
05/24/06	3,151	2,936	2,836	2,808	2,862	2,996	3,236	3,566	3,770	3,949	4,167	4,355	4,488	4,604	4,747	4,876	4,890	4,762	4,656	4,547	4,407	4,184	3,767	
05/25/06	3,226	3,001	2,897	2,870	2,923	3,051	3,285	3,627	3,846	4,028	4,259	4,455	4,598	4,714	4,865	4,997	5,005	4,876	4,768	4,648	4,502	4,278	3,853	
05/26/06	3,441	3,292	3,227	3,145	3,098	3,163	3,498	3,810	4,062	4,257	4,467	4,671	4,863	5,049	5,184	5,235	5,296	5,206	4,973	4,820	4,683	4,472	4,082	
05/27/06	3,327	3,188	3,074	2,959	2,863	2,943	3,020	3,252	3,577	3,890	4,199	4,363	4,603	4,694	4,838	4,967	4,985	4,872	4,729	4,663	4,470	4,262	3,931	
05/28/06	3,394	3,237	3,078	3,022	2,930	2,915	2,950	3,156	3,436	3,773	4,039	4,289	4,512	4,732	4,779	4,948	4,926	4,826	4,619	4,330	4,330	3,962	3,544	
05/29/06	3,418	3,274	3,102	3,062	2,963	2,951	2,997	3,178	3,522	3,915	4,186	4,520	4,730	4,827	5,020	5,198	5,236	5,156	4,947	4,897	4,690	4,451	4,116	
05/30/06	3,496	3,333	3,110	3,070	3,113	3,219	3,418	3,794	4,036	4,246	4,505	4,729	4,875	4,994	5,143	5,286	5,283	5,156	4,957	4,916	4,761	4,548	4,127	
05/31/06	3,164	2,948	2,848	2,819	2,873	3,005	3,244	3,576	3,764	3,964	4,184	4,374	4,508	4,624	4,768	4,899	4,913	4,784	4,784	4,619	4,424	4,201	3,783	
06/01/06	3,368	3,139	3,034	3,007	3,057	3,177	3,396	3,742	3,966	4,153	4,390	4,595	4,736	4,854	5,003	5,137	5,143	5,013	4,905	4,777	4,626	4,407	3,988	
06/02/06	3,120	2,994	2,937	2,882	2,872	2,977	3,306	3,573	3,773	3,928	4,092	4,314	4,403	4,603	4,681	4,733	4,779	4,673	4,475	4,361	4,234	4,030	3,677	
06/03/06	2,955	2,835	2,708	2,666	2,615	2,692	2,782	2,977	3,234	3,462	3,667	3,779	3,934	4,004	4,105	4,209	4,235	4,165	4,083	4,059	3,930	3,728	3,406	
06/04/06	2,900	2,774	2,665	2,625	2,577	2,580	2,623	2,790	3,014	3,248	3,431	3,605	3,758	3,874	3,968	4,096	4,112	4,109	4,044	4,047	3,970	3,728	3,406	
06/05/06	2,850	2,763	2,620	2,604	2,709	2,874	3,198	3,426	3,628	3,776	3,945	4,049	4,216	4,334	4,456	4,555	4,568	4,515	4,370	4,311	4,198	4,000	3,601	
06/06/06	2,963	2,786	2,704	2,685	2,745	2,901	3,168	3,446	3,597	3,727	3,897	4,023	4,126	4,220	4,334	4,438	4,451	4,350	4,282	4,217	4,102	3,898	3,520	
06/07/06	2,896	2,729	2,654	2,637	2,745	2,864	3,141	3,407	3,540	3,655	3,799	3,922	4,013	4,098	4,204	4,298	4,312	4,221	4,168	4,115	4,005	3,806	3,438	
06/08/06	2,704	2,568	2,512	2,510	2,584	2,783	3,100	3,329	3,403	3,454	3,542	3,613	3,668	3,720	3,791	3,853	3,857	3,811	3,824	3,809	3,710	3,532	3,197	
06/09/06	2,682	2,593	2,560	2,539	2,574	2,754	3,118	3,320	3,397	3,440	3,498	3,585	3,606	3,679	3,734	3,749	3,768	3,715	3,657	3,631	3,535	3,385	3,118	
06/10/06	2,691	2,597	2,508	2,485	2,468	2,568	2,689	2,862	3,059	3,206	3,314	3,352	3,422	3,438	3,486	3,552	3,577	3,565	3,572	3,594	3,486	3,327	3,090	
06/11/06	2,767	2,653	2,559	2,528	2,493	2,510	2,564	2,723	2,925	3,123	3,271	3,410	3,532	3,624	3,699	3,809	3,830	3,846	3,818	3,843	3,774	3,548	3,244	
06/12/06	2,836	2,749	2,608	2,593	2,699	2,865	3,190	3,417	3,615	3,760	3,926	4,029	4,192	4,310	4,430	4,528	4,540	4,489	4,347	4,290	4,179	3,981	3,584	
06/13/06	3,133	2,933	2,839	2,815	2,869	3,006	3,250	3,557	3,744	3,907	4,103	4,271	4,395	4,503	4,636	4,757	4,770	4,651	4,556	4,461	4,333	4,119	3,721	
06/14/06	3,126	2,928	2,836	2,810	2,864	3,002	3,245	3,552	3,736	3,897	4,094	4,262	4,384	4,492	4,624	4,743	4,758	4,639	4,545	4,452	4,323	4,110	3,713	
06/15/06	3,187	2,980	2,884	2,859	2,912	3,044	3,282	3,599	3,797	3,961	4,169	4,348	4,477	4,588	4,726	4,839	4,856	4,737	4,639	4,545	4,423	4,210	3,813	
06/16/06	3,327	3,193	3,135	3,070	3,044	3,129	3,459	3,752	3,985	4,167	4,361	4,628	4,729	4,906	5,039	5,096	5,153	5,047	4,819	4,674	4,534	4,318	3,939	
06/17/06	3,162	3,032	2,883	2,833	2,760	2,833	3,124	3,414	3,686	3,945	4,088	4,288	4,374	4,499	4,617	4,640	4,640	4,427	4,378	4,216	4,015	3,709	3,400	
06/18/06	3,235	3,089	2,951	2,899	2,823	2,810	2,844	3,032	3,290	3,589	3,827	4,053												

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
07/01/06	3.506	3.382	3.223	3.174	3.084	3.157	3.226	3.434	3.728	4.012	4.295	4.442	4.663	4.742	4.873	4.989	5.004	4.901	4.770	4.710	4.533	4.348	4.051	3.757	
07/02/06	3.588	3.447	3.302	3.251	3.164	3.152	3.184	3.371	3.624	3.932	4.175	4.402	4.605	4.742	4.842	4.986	4.971	4.942	4.824	4.795	4.690	4.430	4.099	3.721	
07/03/06	3.717	3.617	3.389	3.349	3.468	3.562	3.828	4.068	4.376	4.579	4.827	4.973	5.208	5.323	5.469	5.582	5.582	5.545	5.183	5.051	4.879	4.466	4.046	3.721	
07/04/06	3.949	3.844	3.673	3.652	3.537	3.523	3.579	3.749	4.066	4.429	4.681	5.067	5.288	5.349	5.535	5.699	5.581	5.359	5.280	5.055	4.861	4.625	4.353	4.046	
07/05/06	4.154	3.871	3.756	3.727	3.777	3.852	3.984	4.407	4.674	4.903	5.194	5.449	5.593	5.687	5.848	6.001	5.990	5.839	5.737	5.555	5.364	5.162	4.759	4.383	
07/06/06	4.057	3.783	3.670	3.643	3.691	3.772	3.916	4.205	4.586	4.803	5.086	5.272	5.478	5.576	5.723	5.881	5.868	5.629	5.452	5.266	5.065	4.827	4.483	4.129	
07/07/06	3.913	3.785	3.745	3.668	3.609	3.646	3.961	4.273	4.528	4.722	4.940	5.266	5.349	5.537	5.670	5.714	5.795	5.707	5.456	5.281	5.134	4.922	4.539	4.287	
07/08/06	4.128	4.010	3.800	3.752	3.599	3.707	3.768	3.989	4.318	4.645	4.988	5.134	5.418	5.474	5.608	5.758	5.753	5.600	5.440	5.397	5.173	5.013	4.693	4.383	
07/09/06	4.200	4.060	3.880	3.843	3.711	3.707	3.727	3.954	4.237	4.610	4.893	5.167	5.414	5.564	5.666	5.878	5.800	5.768	5.600	5.612	5.508	5.207	4.837	4.375	
07/10/06	4.359	4.335	3.968	3.926	4.112	4.180	4.411	4.657	5.039	5.270	5.613	5.774	6.096	6.215	6.389	6.522	6.512	6.492	6.135	6.076	5.990	5.888	5.456	5.014	
07/11/06	4.556	4.429	4.101	4.072	4.128	4.171	4.244	4.444	5.042	5.303	5.625	5.914	6.061	6.140	6.322	6.492	6.471	6.277	6.142	6.076	5.957	5.761	5.515	4.780	
07/12/06	4.059	3.822	3.708	3.679	3.728	3.807	3.945	4.359	4.621	4.847	5.134	5.258	5.624	5.783	5.934	5.925	5.771	5.676	5.497	5.308	5.166	4.704	4.328	4.188	
07/13/06	3.961	3.697	3.586	3.559	3.606	3.692	3.846	4.240	4.493	4.705	4.980	5.219	5.363	5.464	5.618	5.763	5.753	5.617	5.519	5.348	5.168	4.965	4.563	4.188	
07/14/06	3.840	3.712	3.670	3.595	3.548	3.585	3.898	4.205	4.457	4.649	4.863	5.179	5.265	5.372	5.529	5.670	5.705	5.574	5.444	5.200	5.054	4.845	4.464	4.210	
07/15/06	3.861	3.739	3.651	3.501	3.378	3.469	3.536	3.757	4.075	4.389	4.711	4.861	5.119	5.186	5.322	5.452	5.456	5.330	5.184	5.124	4.916	4.742	4.431	4.129	
07/16/06	3.680	3.537	3.386	3.336	3.243	3.232	3.264	3.457	3.714	4.033	4.282	4.514	4.722	4.859	4.958	5.116	5.083	5.055	4.933	4.905	4.797	4.532	4.198	3.812	
07/17/06	3.862	3.764	3.516	3.474	3.603	3.691	3.954	4.196	4.520	4.730	4.992	5.141	5.389	5.500	5.649	5.763	5.759	5.492	5.348	5.215	5.051	4.630	4.206	4.066	
07/18/06	3.754	3.512	3.405	3.377	3.423	3.518	3.691	4.053	4.288	4.493	4.746	4.965	5.106	5.214	5.362	5.502	5.502	5.370	5.268	5.113	4.949	4.743	4.348	3.975	
07/19/06	3.803	3.556	3.450	3.420	3.466	3.559	3.727	4.096	4.335	4.542	4.802	5.027	5.168	5.274	5.424	5.565	5.565	5.431	5.329	5.170	5.001	4.796	4.399	4.025	
07/20/06	3.844	3.592	3.484	3.457	3.503	3.594	3.759	4.136	4.380	4.584	4.848	5.077	5.219	5.325	5.476	5.616	5.610	5.478	5.379	5.217	5.045	4.842	4.442	4.068	
07/21/06	3.821	3.693	3.649	3.575	3.523	3.568	3.881	4.186	4.437	4.629	4.842	5.155	5.241	5.426	5.558	5.605	5.680	5.591	5.349	5.178	5.032	4.823	4.443	4.189	
07/22/06	3.273	3.153	3.015	2.969	2.901	2.968	3.040	3.235	3.502	3.754	3.995	4.127	4.313	4.394	4.559	4.617	4.638	4.550	4.439	4.243	4.058	3.777	3.493	3.189	
07/23/06	3.478	3.339	3.201	3.151	3.071	3.058	3.090	3.270	3.517	3.812	4.046	4.266	4.462	4.597	4.699	4.848	4.832	4.805	4.662	4.622	4.563	4.308	3.982	3.613	
07/24/06	3.278	3.183	3.011	2.983	3.084	3.204	3.484	3.712	3.958	4.134	4.335	4.463	4.658	4.780	4.914	5.020	5.029	4.976	4.793	4.692	4.574	4.298	3.964	3.604	
07/25/06	3.465	3.255	3.159	3.131	3.177	3.285	3.483	3.802	4.007	4.186	4.406	4.596	4.726	4.834	4.971	5.097	5.107	4.984	4.881	4.760	4.621	4.418	4.035	3.672	
07/26/06	3.636	3.406	3.303	3.276	3.232	3.306	3.426	3.777	4.037	4.272	4.510	4.728	4.998	5.138	5.252	5.344	5.344	5.193	5.174	5.061	4.961	4.785	4.441	4.032	
07/27/06	3.895	3.751	3.588	3.541	3.433	3.426	3.458	3.664	3.930	4.272	4.504	4.778	4.998	5.138	5.269	5.385	5.385	5.252	5.135	5.025	4.921	4.727	4.346	3.943	
07/28/06	4.078	3.795	3.677	3.646	3.697	3.783	3.936	4.359	4.628	4.860	5.155	5.411	5.665	5.829	5.985	5.977	5.906	5.763	5.660	5.538	5.344	5.131	4.710	4.316	
08/02/06	4.024	3.745	3.628	3.600	3.650	3.739	3.899	4.314	4.581	4.804	5.094	5.346	5.497	5.603	5.765	5.917	5.906	5.763	5.660	5.480	5.290	5.077	4.656	4.262	
08/04/06	3.718	3.584	3.534	3.461	3.416	3.474	3.799	4.108	4.361	4.558	4.771	5.078	5.174	5.361	5.497	5.550	5.521	5.325	5.282	5.112	4.963	4.747	4.358	4.087	
08/05/06	3.895	3.767	3.571	3.519	3.390	3.485	3.555	3.787	4.120	4.449	4.786	4.944	5.214	5.283	5.426	5.562	5.566	5.435	5.283	5.219	5.001	4.819	4.493	4.176	
08/06/06	3.945	3.794	3.622	3.573	3.460	3.452	3.486	3.702	3.982	4.340	4.615	4.872	5.103	5.248	5.347	5.529	5.474	5.444	5.306	5.288	5.169	4.879	4.518	4.088	
08/07/06	4.050	3.952	3.670	3.625	3.773	3.860	4.132	4.388	4.745	4.970	5.261	5.420	5.695	5.809	5.969	6.091	6.082	6.056	5.788	5.660	5.501	5.339	4.893	4.440	
08/08/06	4.200	3.905	3.783	3.753	3.805	3.886	4.026	4.467	4.747	4.988	5.290	5.556	5.708	5.807	5.975	6.136	6.123	5.965	5.860	5.669	5.470	5.257	4.836	4.441	
08/09/06	4.075	3.792	3.675	3.644	3.694	3.781	3.934	4.357	4.626	4.858	5.152	5.408	5.558	5.662	5.826	5.982	5.974	5.824	5.719	5.535	5.341	5.128	4.708	4.314	
08/10/06	4.821	4.425	4.258	4.201	4.234	4.227	4.232	4.761	5.092	5.357	5.691	5.993	6.125	6.175	6.318	6.462	6.522	6.521	6.318	6.196	6.061	5.911	5.751	5.366	5.024
08/11/06	4.500	4.345	4.306	4.183	4.049	4.000	4.302	4.634	4.893	5.077	5.307	5.698	5.731	5.929	6.066	6.066	6.167	6.101	5.804	5.667	5.570	5.375	5.008	4.812	
08/12/06	3.870	3.741	3.547	3.495	3.368	3.462	3.533	3.764	4.095	4.423	4.758	4.916	5.183	5.254	5.397	5.531	5.536	5.407	5.256	5.192	4.975	4.792	4.467	4.151	
08/13/06	4.122	3.973	3.792	3.748	3.621	3.616	3.646	3.873	4.162	4.538	4.824	5.095	5.340	5.489	5.589	5.790	5.719	5.689	5.535	5.531	5.415	5.113	4.739	4.282	
08/14/06	4.069	3.972	3.687	3.642	3.791	3.878	4.149	4.405	4.765	4.991	5.284	5.443	5.720	5.834	5.994	6.117	6.107	6.082	5.811	5.664	5.525	5.364	4.917	4.464	
08/15/06	4.155	3.864	3.745	3.714	3.763	3.846	3.992	4.426	4.702	4.940	5.238	5.499	5.651	5.752	5.918	6.078	6.067	5.912	5.807	5.661	5.535	5.321	4.859	4.395	
08/16/06	4.155	3.864	3.745	3.714	3.763	3.846	3.992	4.426	4.702	4.940	5.238	5.499	5.651	5.752	5.918	6.078	6.067	5.912	5.807	5.661	5.535	5.321	4.859	4.395	
08/17/06	4.023	3.744	3.628	3.599	3.520	3.471	3.525	3.851	4.165	4.422	4.839	5.155	5.249	5.439	5.576	5.628	5.702	5.607	5.459	5.185	5.035	4.817	4.424	4.155	
08/18/06	3.777	3.643	3.595	3.520	3.471	3.525	3.851	4.165	4.422	4.839	5.155	5.249	5.439	5.576	5.628	5.702	5.607	5.459	5.185	5.035	4.817	4.424	4.155		
08/19/06	3.862	3.734	3.540	3.488	3.362	3.456	3.526	3.757	4.088	4.415	4.750	4.907	5.174	5.245	5.388	5.522	5.528	5.398	5.248	5.183	4.967	4.784	4.459	4.143	
08/20/06	3.827	3.676	3.511	3.460	3.352	3.444	3.519	3.738	4.063	4.383	4.657	4.727	4.951	5.095	5.196	5.369	5.324	5.295	5.163	5.138	5.021	4.738	4.382	3.966	
08/21/06	3.892	3.789	3.531	3.487	3.362	3.454	3.529	3.748	4.073	4.393	4.657	4.727	4.951	5.095	5.196	5.369</									

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
09/01/06	3,129	2,996	2,938	2,875	2,853	2,942	3,273	3,562	3,788	3,966	4,155	4,413	4,512	4,686	4,818	4,874	4,929	4,821	4,599	4,460	4,322	4,107	3,731	3,445
09/02/06	3,139	3,005	2,843	2,791	2,706	2,781	2,858	3,079	3,386	3,679	3,964	4,119	4,341	4,430	4,566	4,689	4,709	4,605	4,472	4,413	4,235	4,031	3,714	3,397
09/03/06	3,377	3,221	3,062	3,007	2,911	2,897	2,933	3,138	3,415	3,754	4,020	4,269	4,492	4,642	4,752	4,820	4,893	4,862	4,732	4,700	4,585	4,300	3,937	3,522
09/04/06	3,220	2,879	2,792	2,781	2,826	2,818	2,826	3,004	3,332	3,701	3,956	4,261	4,456	4,550	4,733	4,902	4,951	4,884	4,692	4,649	4,472	4,240	3,907	3,567
09/05/06	3,518	3,257	3,141	3,110	3,160	3,266	3,459	3,850	4,105	4,327	4,600	4,837	4,991	5,109	5,270	5,423	5,424	5,280	5,168	5,002	4,825	4,593	4,167	3,759
09/06/06	3,888	3,589	3,466	3,435	3,488	3,578	3,736	4,183	4,467	4,713	5,024	5,294	5,618	5,899	6,183	6,464	6,646	6,464	6,286	6,176	5,993	5,729	5,452	4,138
09/07/06	3,525	3,262	3,147	3,117	3,167	3,273	3,465	3,859	4,115	4,330	4,606	4,846	5,000	5,118	5,280	5,428	5,426	5,286	5,176	5,010	4,832	4,609	4,174	3,766
09/08/06	3,562	3,421	3,372	3,292	3,240	3,295	3,637	3,966	4,237	4,446	4,674	5,008	5,105	5,305	5,449	5,502	5,581	5,482	5,221	5,038	4,880	4,652	4,240	3,959
09/09/06	3,580	3,445	3,247	3,192	3,066	3,161	3,235	3,475	3,819	4,157	4,502	4,667	4,941	5,018	5,167	5,312	5,181	5,181	4,925	4,957	4,735	4,541	4,203	3,873
09/10/06	3,773	3,616	3,434	3,383	3,261	3,254	3,289	3,518	3,813	4,193	4,484	4,757	5,002	5,154	5,258	5,453	5,390	5,359	5,211	5,196	5,072	4,765	4,384	3,927
09/11/06	3,647	3,432	3,253	3,222	3,272	3,371	3,555	3,965	4,231	4,461	4,748	4,997	5,153	5,269	5,433	5,599	5,588	5,440	5,330	5,152	5,011	4,824	4,366	3,908
09/12/06	3,524	3,354	3,225	3,225	3,272	3,371	3,555	3,965	4,231	4,461	4,748	4,997	5,153	5,269	5,433	5,599	5,588	5,440	5,330	5,152	5,011	4,824	4,366	3,908
09/13/06	3,455	3,201	3,088	3,056	3,106	3,214	3,412	3,794	4,042	4,258	4,526	4,758	4,910	5,028	5,188	5,337	5,341	5,200	5,086	4,927	4,754	4,530	4,099	3,693
09/14/06	3,520	3,257	3,142	3,113	3,163	3,269	3,462	3,854	4,110	4,325	4,601	4,839	4,993	5,112	5,273	5,422	5,280	5,169	5,005	4,827	4,603	4,169	3,761	3,359
09/15/06	3,490	3,235	3,128	3,125	3,178	3,238	3,577	3,902	4,168	4,374	4,598	4,921	5,021	5,218	5,360	5,415	5,490	5,389	5,134	4,956	4,800	4,574	4,165	3,883
09/16/06	3,452	3,316	3,128	3,073	2,959	3,047	3,122	3,358	3,693	4,022	4,353	4,519	4,779	4,862	5,009	5,142	5,153	5,030	4,880	4,810	4,599	4,400	4,067	3,740
09/17/06	3,331	3,176	3,020	2,965	2,872	2,858	2,893	3,096	3,371	3,704	3,967	4,213	4,432	4,582	4,693	4,860	4,805	4,677	4,644	4,532	4,249	3,888	3,477	3,172
09/18/06	3,347	3,238	3,010	2,969	3,091	3,202	3,499	3,758	4,074	4,290	4,545	4,700	4,944	5,075	5,232	5,353	5,358	5,206	5,079	4,937	4,796	4,600	4,151	3,702
09/19/06	3,503	3,243	3,128	3,097	3,147	3,254	3,448	3,837	4,090	4,311	4,582	4,818	4,972	5,090	5,251	5,403	5,405	5,262	5,149	4,984	4,808	4,583	4,152	3,744
09/20/06	3,128	2,909	2,808	2,782	2,834	2,960	3,188	3,522	3,734	3,912	4,272	4,569	4,650	4,831	4,967	5,025	5,084	4,978	4,745	4,594	4,450	4,232	3,846	3,559
09/21/06	3,128	2,909	2,808	2,782	2,834	2,960	3,188	3,522	3,734	3,912	4,272	4,569	4,650	4,831	4,967	5,025	5,084	4,978	4,745	4,594	4,450	4,232	3,846	3,559
09/22/06	3,222	3,086	3,028	2,961	2,932	3,014	3,346	3,646	3,884	4,071	4,328	4,528	4,643	4,819	4,982	5,042	5,103	4,978	4,745	4,594	4,450	4,232	3,846	3,559
09/23/06	2,811	2,690	2,562	2,519	2,468	2,545	2,635	2,831	3,090	3,320	3,528	3,642	3,799	3,870	3,973	4,077	4,103	3,948	3,924	3,784	3,592	3,374	3,179	2,827
09/24/06	2,662	2,563	2,460	2,424	2,382	2,391	2,440	2,604	2,818	3,036	3,203	3,363	3,502	3,607	3,694	3,814	3,833	3,790	3,790	3,803	3,730	3,494	3,179	2,827
09/25/06	2,162	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055	2,055
09/26/06	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684	2,684
09/27/06	2,799	2,624	2,544	2,525	2,585	2,743	3,012	3,290	3,437	3,585	3,723	3,858	3,959	4,050	4,164	4,266	4,280	4,181	4,115	4,052	3,938	3,734	3,356	2,992
09/28/06	3,090	2,875	2,776	2,750	2,835	2,931	3,164	3,492	3,698	3,879	4,088	4,276	4,450	4,524	4,665	4,791	4,800	4,676	4,574	4,464	4,325	4,108	3,696	3,306
09/29/06	2,791	2,676	2,625	2,581	2,587	2,716	3,053	3,299	3,457	3,576	3,705	3,880	3,950	4,080	4,183	4,225	4,261	4,166	4,008	3,926	3,812	3,622	3,298	3,023
09/30/06	2,490	2,402	2,324	2,304	2,295	2,402	2,534	2,703	2,887	3,015	3,099	3,118	3,167	3,201	3,256	3,317	3,285	3,285	3,212	3,350	3,245	3,096	2,869	2,626
10/01/06	2,368	2,279	2,212	2,198	2,186	2,234	2,315	2,457	2,614	2,744	2,821	2,887	2,945	2,980	3,010	3,080	3,102	3,157	3,212	3,281	3,220	3,031	2,769	2,468
10/02/06	2,398	2,330	2,227	2,226	2,233	2,258	2,268	2,365	2,409	2,574	2,795	3,027	3,208	3,381	3,532	3,647	3,740	3,882	3,878	3,812	3,739	3,500	3,183	2,830
10/03/06	2,582	2,433	2,366	2,356	2,422	2,599	2,889	3,132	3,237	3,326	3,440	3,537	3,612	3,682	3,770	3,852	3,862	3,790	3,764	3,729	3,627	3,439	3,094	2,757
10/04/06	2,636	2,478	2,408	2,393	2,457	2,623	2,902	3,156	3,276	3,379	3,511	3,622	3,706	3,784	3,882	3,970	3,983	3,900	3,857	3,812	3,707	3,515	3,159	2,815
10/05/06	2,663	2,500	2,426	2,413	2,475	2,638	2,912	3,173	3,303	3,406	3,546	3,664	3,753	3,835	3,938	4,026	4,035	3,951	3,904	3,855	3,748	3,555	3,193	2,845
10/06/06	2,709	2,597	2,547	2,505	2,511	2,639	2,969	3,208	3,359	3,474	3,598	3,666	3,766	3,834	3,960	4,059	4,099	4,133	4,042	3,980	3,872	3,701	3,320	2,933
10/07/06	2,739	2,622	2,496	2,454	2,403	2,478	2,566	2,757	3,011	3,237	3,441	3,553	3,707	3,777	3,878	3,980	4,005	3,936	3,853	3,828	3,692	3,504	3,225	2,937
10/08/06	2,685	2,561	2,453	2,414	2,365	2,367	2,409	2,574	2,795	3,027	3,208	3,381	3,532	3,647	3,740	3,867	3,882	3,878	3,812	3,814	3,739	3,500	3,183	2,830
10/09/06	2,846	2,749	2,579	2,552	2,658	2,797	3,101	3,340	3,584	3,761	3,963	4,091	4,288	4,416	4,554	4,664	4,675	4,617	4,435	4,436	4,220	4,021	3,607	3,198
10/10/06	2,993	2,786	2,690	2,663	2,714	2,842	3,071	3,387	3,585	3,758	3,966	4,146	4,275	4,386	4,523	4,649	4,661	4,537	4,436	4,330	4,196	3,982	3,584	3,204
10/11/06	2,994	2,787	2,692	2,664	2,715	2,842	3,070	3,387	3,584	3,756	3,966	4,146	4,275	4,386	4,523	4,649	4,661	4,537	4,436	4,330	4,196	3,982	3,584	3,204
10/12/06	3,097	2,882	2,787	2,765	2,821	2,946	3,170	3,508	3,727	3,911	4,142	4,342	4,483	4,603	4,752	4,885	4,898	4,762	4,646	4,515	4,361	4,136	3,717	3,320
10/13/06	2,869	2,747	2,692	2,639	2,631	2,737	3,060	3,321	3,511	3,658	3,815	4,027	4,113	4,263	4,381	4,430	4,474	4,371	4,181	4,073	3,951	3,751	3,409	3,132
10/14/06	2,648	2,538	2,423	2,386	2,346	2,426	2,522	2,706	2,942	3,144	3,319	3,411	3,540	3,597	3,683	3,776	3,776	3,747	3,687	3,677	3,551	3,371	3,105	2,828
10/15/06	2,482	2,378	2,294	2,268	2,241	2,267	2,328	2,479	2,665	2,839	2,963	3,114	3,179	3,253	3,314	3,411	3,433	3,460	3,457	3,495	3,431	3,219	2,931	2,607
10/16/06	2,434	2,363	2,254	2,250	2,256	2,544	2,880	3,083	3,226	3,326	3,446	3,511	3,785	3,811	3,886	3,897	3,868	3,785	3,764	3,665	3,483	3,123	2,766	2,466
10/17/06	2,563	2,417	2,353	2,343	2,411	2,591	2,884	3,124	3,223	3,306	3,415	3,507	3,578	3,644	3,730	3,698</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/06	2.246	2.173	2.159	2.181	2.276	2.533	2.907	3.060	3.007	2.950	2.929	2.900	2.874	2.850	2.845	2.848	2.838	2.886	3.045	3.083	2.990	2.865	2.622	2.373
11/02/06	2.272	2.191	2.172	2.193	2.285	2.533	2.898	3.059	3.023	2.974	2.965	2.949	2.933	2.919	2.922	2.930	2.919	2.957	3.099	3.132	3.041	2.911	2.658	2.402
11/03/06	2.248	2.199	2.195	2.204	2.270	2.506	2.898	3.045	3.021	2.968	2.937	2.920	2.871	2.865	2.848	2.828	2.827	2.850	2.938	2.967	2.891	2.803	2.617	2.421
11/04/06	2.204	2.167	2.145	2.162	2.198	2.348	2.537	2.677	2.769	2.735	2.717	2.608	2.528	2.417	2.363	2.338	2.351	2.464	2.657	2.744	2.663	2.585	2.446	2.289
11/05/06	2.224	2.172	2.141	2.152	2.171	2.269	2.396	2.516	2.604	2.637	2.612	2.547	2.463	2.412	2.427	2.416	2.427	2.464	2.736	2.867	2.809	2.679	2.486	2.253
11/06/06	2.203	2.167	2.120	2.140	2.253	2.490	2.856	2.994	3.013	2.994	2.997	2.958	2.963	2.957	2.961	2.968	2.968	3.028	3.116	3.158	3.076	2.948	2.684	2.411
11/07/06	2.316	2.226	2.199	2.213	2.299	2.533	2.882	3.053	3.040	3.020	3.030	3.031	3.031	3.050	3.050	3.073	3.069	3.084	3.192	3.215	3.125	2.984	2.720	2.452
11/08/06	2.316	2.226	2.200	2.214	2.300	2.533	2.881	3.053	3.039	3.018	3.030	3.032	3.031	3.049	3.072	3.068	3.084	3.191	3.214	3.123	2.984	2.719	2.451	2.451
11/09/06	2.351	2.252	2.220	2.232	2.315	2.537	2.875	3.056	3.062	3.051	3.079	3.095	3.106	3.117	3.146	3.175	3.170	3.174	3.261	3.278	3.188	3.044	2.767	2.490
11/10/06	2.434	2.357	2.330	2.345	2.353	2.532	2.880	3.062	3.118	3.143	3.184	3.238	3.257	3.313	3.354	3.363	3.377	3.338	3.306	3.291	3.203	2.872	2.833	2.606
11/11/06	2.249	2.202	2.168	2.177	2.203	2.341	2.514	2.657	2.767	2.798	2.770	2.691	2.640	2.555	2.521	2.514	2.530	2.616	2.763	2.846	2.763	2.670	2.515	2.341
11/12/06	2.311	2.239	2.188	2.185	2.186	2.252	2.348	2.477	2.602	2.689	2.724	2.743	2.760	2.758	2.799	2.818	2.818	2.896	3.001	3.093	3.036	2.876	2.648	2.382
11/13/06	2.270	2.223	2.156	2.168	2.276	2.492	2.840	3.000	3.062	3.087	3.132	3.179	3.211	3.247	3.280	3.285	3.308	3.330	3.352	3.267	3.120	2.826	2.528	2.451
11/14/06	2.317	2.270	2.224	2.243	2.323	2.603	2.966	3.131	3.094	3.015	2.964	2.918	2.857	2.843	2.797	2.786	2.798	2.911	3.095	3.112	3.062	2.949	2.725	2.476
11/15/06	2.412	2.364	2.339	2.382	2.463	2.739	3.150	3.343	3.288	3.174	3.091	3.027	2.960	2.925	2.906	2.866	2.888	2.991	3.171	3.210	3.151	3.020	2.799	2.546
11/16/06	2.282	2.199	2.178	2.198	2.288	2.533	2.894	3.057	3.028	2.984	2.980	2.968	2.956	2.945	2.953	2.963	2.953	2.987	3.120	3.152	3.061	2.929	2.673	2.413
11/17/06	2.237	2.190	2.187	2.198	2.266	2.506	2.901	3.046	3.017	2.959	2.922	2.901	2.847	2.838	2.817	2.794	2.793	2.820	2.916	2.948	2.872	2.788	2.605	2.412
11/18/06	2.199	2.163	2.142	2.160	2.197	2.349	2.540	2.680	2.770	2.773	2.712	2.599	2.517	2.402	2.346	2.319	2.332	2.447	2.645	2.791	2.732	2.652	2.439	2.283
11/19/06	2.200	2.154	2.129	2.146	2.171	2.281	2.420	2.537	2.611	2.625	2.579	2.505	2.442	2.363	2.293	2.283	2.291	2.426	2.645	2.791	2.732	2.613	2.433	2.211
11/20/06	2.292	2.242	2.240	2.274	2.370	2.640	3.104	3.274	3.225	3.119	3.081	2.998	2.951	2.933	2.901	2.886	2.900	2.999	3.141	3.173	3.103	2.984	2.733	2.475
11/21/06	2.411	2.364	2.337	2.381	2.462	2.739	3.150	3.343	3.290	3.176	3.090	3.026	2.960	2.926	2.906	2.867	2.887	2.990	3.171	3.210	3.151	3.019	2.799	2.546
11/22/06	2.368	2.325	2.281	2.305	2.392	2.689	3.068	3.242	3.189	3.088	3.023	2.966	2.895	2.876	2.825	2.812	2.826	2.953	3.148	3.162	3.116	3.006	2.778	2.527
11/23/06	2.356	2.333	2.365	2.378	2.489	2.711	3.028	3.188	3.252	3.128	3.041	2.952	2.843	2.791	2.733	2.703	2.745	2.890	3.146	3.113	3.007	2.951	2.711	2.470
11/24/06	2.591	2.516	2.515	2.539	2.596	2.733	2.953	3.181	3.262	3.227	3.125	2.986	2.884	2.776	2.701	2.660	2.691	2.855	3.102	3.101	3.044	2.960	2.826	2.647
11/25/06	2.629	2.581	2.563	2.603	2.653	2.786	2.964	3.185	3.265	3.231	3.145	3.016	2.908	2.788	2.713	2.666	2.736	2.943	3.196	3.247	3.199	3.105	2.902	2.677
11/26/06	2.629	2.547	2.554	2.570	2.603	2.797	3.430	3.656	3.574	3.440	3.306	3.138	3.037	2.993	2.988	2.930	2.971	3.205	3.513	3.483	3.472	3.352	3.102	2.855
11/28/06	2.707	2.660	2.602	2.630	2.718	3.065	3.471	3.668	3.570	3.373	3.216	3.094	2.965	2.922	2.842	2.832	2.872	3.122	3.423	3.424	3.405	3.321	3.099	2.843
11/29/06	2.612	2.561	2.503	2.525	2.610	2.943	3.340	3.529	3.440	3.244	3.131	3.027	2.914	2.879	2.809	2.840	2.835	3.056	3.320	3.333	3.318	3.229	3.008	2.756
11/30/06	2.468	2.429	2.389	2.424	2.522	2.846	3.247	3.439	3.366	3.222	3.126	3.047	2.957	2.866	2.849	2.860	2.860	3.021	3.244	3.253	3.213	3.108	2.876	2.620
12/01/06	2.762	2.680	2.681	2.710	2.777	2.929	3.178	3.436	3.528	3.480	3.356	3.192	3.072	2.948	2.861	2.813	2.848	3.041	3.322	3.312	3.249	3.157	3.011	2.816
12/02/06	2.705	2.649	2.629	2.669	2.722	2.862	3.053	3.284	3.369	3.249	3.119	3.009	2.885	2.808	2.759	2.831	2.848	3.041	3.322	3.312	3.249	3.157	3.011	2.816
12/03/06	2.727	2.664	2.694	2.733	2.802	3.233	3.750	4.027	3.927	3.765	3.604	3.413	3.291	3.235	3.121	3.140	3.161	3.382	3.704	3.676	3.654	3.514	3.332	2.948
12/04/06	2.836	2.772	2.825	2.848	2.948	3.351	3.822	4.062	3.946	3.726	3.551	3.415	3.265	3.209	3.113	3.091	3.120	3.368	3.677	3.669	3.634	3.526	3.270	2.976
12/05/06	2.836	2.772	2.825	2.848	2.948	3.351	3.822	4.062	3.946	3.726	3.551	3.415	3.265	3.209	3.113	3.091	3.120	3.368	3.677	3.669	3.634	3.526	3.270	2.976
12/06/06	2.940	2.918	2.882	2.941	3.067	3.484	3.965	4.213	4.086	3.845	3.651	3.495	3.330	3.266	3.161	3.135	3.171	3.449	3.779	3.764	3.732	3.629	3.369	3.071
12/07/06	3.095	3.053	3.025	3.079	3.206	3.773	4.253	4.503	4.382	4.148	3.961	3.852	3.661	3.493	3.322	3.273	3.168	3.506	3.846	3.913	3.895	3.813	3.551	3.260
12/08/06	3.081	3.009	2.973	3.000	3.160	3.411	3.889	4.145	4.053	3.833	3.630	3.407	3.267	3.191	3.048	3.039	3.125	3.375	3.677	3.673	3.596	3.607	3.463	3.203
12/09/06	2.997	2.910	2.920	2.958	3.037	3.185	3.430	3.710	3.830	3.788	3.653	3.463	3.322	3.175	3.071	3.014	3.054	3.324	3.616	3.552	3.492	3.403	3.253	3.057
12/10/06	2.728	2.673	2.653	2.694	2.749	2.890	3.083	3.319	3.405	3.370	3.280	3.146	3.032	2.905	2.825	2.775	2.849	3.071	3.343	3.400	3.347	3.246	3.025	2.782
12/11/06	2.758	2.694	2.726	2.767	2.938	3.269	3.789	4.068	3.967	3.804	3.641	3.446	3.322	3.264	3.147	3.168	3.194	3.425	3.750	3.715	3.693	3.551	3.267	2.983
12/12/06	2.745	2.713	2.673	2.722	2.840	3.229	3.691	3.922	3.817	3.618	3.466	3.344	3.215	3.167	3.080	3.061	3.084	3.306	3.592	3.590	3.552	3.439	3.185	2.895
12/13/06	2.803	2.773	2.737	2.788	2.909	3.306	3.773	4.011	3.897	3.684	3.520	3.388	3.246	3.193	3.101	3.078	3.106	3.345	3.645	3.639	3.603	3.494	3.238	2.945
12/14/06	2.741	2.707	2.668	2.718	2.836	3.223	3.685	3.917	3.814	3.609	3.461	3.342	3.212	3.165	3.080	3.056	3.076	3.300	3.587	3.586	3.548	3.438	3.180	2.891
12/15/06	2.649	2.604	2.593	2.632	2.762	3.063	3.573	3.814	3.706	3.549	3.425	3.256	3.170	3.117	3.013	2.982	3.017	3.117	3.373	3.389	3.304	3.262	3.090	2.861
12/16/06	2.679	2.595	2.591	2.614	2.672	2.820	3.053	3.293	3.384	3.359	3.261	3.124	3.021	2.910	2.832	2.790	2.824	2.990	3.250	3.259	3.196	3.101	2.950	2.751
12/17/06	2.567	2.504	2.480	2.509	2.552	2.682	2.854	3.056	3.137	3.121	3.066	2.974	2.891	2.792	2.728	2.685	2.748	2.941	3.175	3.236	3.177	3.084	2.871	2.642
12/18/06	2.453	2.393	2.397	2.424	2.562	2.869	3.330	3.542	3.466	3.377	3.288	3.171	3.104	3.080	3.004	3.008</								

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
01/01/07	2,712	2,652	2,630	2,669	2,720	2,864	3,054	3,278	3,361	3,330	3,252	3,110	3,004	2,892	2,818	2,771	2,841	3,055	3,317	3,379	3,323	3,227	3,008	2,772
01/02/07	2,701	2,661	2,617	2,658	2,772	3,150	3,609	3,831	3,739	3,569	3,445	3,344	3,233	3,196	3,120	3,103	3,122	3,314	3,576	3,582	3,539	3,419	3,160	2,868
01/03/07	2,701	2,662	2,620	2,659	2,773	3,149	3,609	3,831	3,738	3,567	3,445	3,345	3,234	3,196	3,120	3,102	3,122	3,314	3,576	3,582	3,538	3,419	3,160	2,868
01/04/07	2,772	2,735	2,695	2,743	2,862	3,252	3,720	3,953	3,852	3,684	3,512	3,414	3,303	3,258	3,144	3,121	3,146	3,357	3,641	3,643	3,603	3,488	3,225	2,931
01/05/07	2,864	2,826	2,818	2,872	3,041	3,371	3,872	4,157	4,033	3,836	3,668	3,457	3,334	3,259	3,132	3,092	3,146	3,357	3,643	3,643	3,591	3,464	3,292	3,056
01/06/07	2,890	2,806	2,810	2,843	2,917	3,074	3,336	3,612	3,709	3,650	3,508	3,325	3,192	3,057	2,961	2,908	2,945	3,162	3,462	3,435	3,370	3,279	3,132	2,935
01/07/07	2,852	2,798	2,778	2,825	2,884	3,032	3,236	3,488	3,578	3,440	3,293	3,170	3,032	2,947	2,893	2,973	3,210	3,497	3,554	3,501	3,393	3,162	2,907	2,675
01/08/07	2,952	2,884	2,914	2,975	3,152	3,499	4,043	4,278	4,149	4,027	3,905	3,730	3,633	3,581	3,474	3,504	3,559	3,858	4,173	4,103	4,070	3,908	3,573	3,275
01/09/07	3,104	3,074	3,020	3,073	3,191	3,621	4,116	4,358	4,226	3,970	3,763	3,592	3,416	3,244	3,223	3,270	3,589	3,950	3,931	3,909	3,817	3,552	3,249	2,929
01/10/07	3,143	3,115	3,061	3,113	3,232	3,667	4,168	4,410	4,273	4,013	3,807	3,631	3,451	3,390	3,277	3,254	3,505	3,632	3,996	3,974	3,953	3,865	3,596	3,292
01/11/07	2,889	2,879	2,841	2,899	3,025	3,437	3,919	4,166	4,049	3,816	3,640	3,498	3,348	3,291	3,193	3,192	3,450	3,769	3,762	3,726	3,617	3,352	3,051	2,801
01/12/07	2,881	2,845	2,837	2,889	3,062	3,353	3,894	4,164	4,058	3,836	3,686	3,471	3,345	3,268	3,138	3,097	3,318	3,620	3,606	3,575	3,479	3,307	3,071	2,828
01/13/07	2,834	2,749	2,751	2,780	2,849	3,005	3,260	3,525	3,618	3,569	3,442	3,274	3,150	3,023	2,934	2,885	2,920	3,118	3,406	3,395	3,331	3,237	3,088	2,888
01/14/07	2,745	2,686	2,665	2,703	2,755	2,897	3,089	3,320	3,405	3,373	3,291	3,165	3,057	2,935	2,858	2,810	2,882	3,099	3,367	3,428	3,371	3,271	3,048	2,805
01/15/07	2,701	2,640	2,619	2,657	2,707	2,850	3,039	3,260	3,342	3,313	3,237	3,099	2,995	2,884	2,812	2,765	2,835	3,047	3,306	3,368	3,312	3,216	2,998	2,763
01/16/07	2,701	2,661	2,617	2,658	2,772	3,150	3,609	3,831	3,739	3,569	3,445	3,344	3,233	3,196	3,120	3,103	3,122	3,314	3,576	3,582	3,539	3,419	3,160	2,868
01/17/07	2,668	2,627	2,583	2,620	2,731	3,101	3,555	3,772	3,685	3,525	3,413	3,320	3,215	3,181	3,109	3,092	3,111	3,292	3,545	3,553	3,508	3,388	3,129	2,838
01/18/07	2,655	2,612	2,567	2,606	2,716	3,083	3,536	3,752	3,670	3,507	3,399	3,310	3,208	3,176	3,105	3,086	3,099	3,281	3,532	3,542	3,497	3,378	3,117	2,827
01/19/07	2,611	2,556	2,541	2,570	2,715	2,987	3,483	3,698	3,608	3,481	3,389	3,251	3,190	3,154	3,063	3,037	3,064	3,129	3,354	3,388	3,301	3,250	3,070	2,833
01/20/07	2,712	2,625	2,618	2,639	2,695	2,844	3,075	3,312	3,200	3,086	3,053	2,980	2,912	2,823	2,764	2,724	2,784	2,967	3,204	3,249	3,187	3,090	2,873	2,642
01/21/07	2,559	2,491	2,461	2,484	2,523	2,647	2,809	3,000	3,086	3,028	2,952	2,875	2,803	2,724	2,675	2,625	2,685	2,868	3,116	3,161	3,125	3,027	2,818	2,598
01/22/07	2,506	2,444	2,447	2,474	2,613	2,925	3,393	3,608	3,532	3,446	3,358	3,242	3,176	3,152	3,076	3,080	3,080	3,228	3,488	3,499	3,461	3,323	3,030	2,748
01/23/07	2,578	2,531	2,482	2,512	2,615	2,963	3,400	3,603	3,535	3,407	3,321	3,230	3,161	3,137	3,075	3,061	3,075	3,247	3,459	3,472	3,423	3,299	3,042	2,756
01/24/07	2,586	2,540	2,493	2,523	2,627	2,976	3,414	3,619	3,548	3,418	3,330	3,255	3,167	3,141	3,079	3,063	3,079	3,236	3,467	3,480	3,431	3,308	3,050	2,764
01/25/07	2,592	2,538	2,498	2,559	2,651	2,963	3,428	3,647	3,588	3,452	3,358	3,287	3,212	3,173	3,152	3,104	3,123	3,243	3,450	3,494	3,428	3,281	3,030	2,744
01/26/07	2,403	2,348	2,344	2,354	2,430	2,699	3,143	3,307	3,278	3,216	3,178	3,157	3,099	3,092	3,070	3,046	3,045	3,073	3,176	3,211	3,125	3,027	2,818	2,598
01/27/07	2,350	2,309	2,287	2,307	2,350	2,522	2,739	2,997	2,999	2,928	2,799	2,704	2,676	2,508	2,476	2,456	2,491	2,623	2,849	2,949	2,857	2,772	2,618	2,444
01/28/07	2,608	2,577	2,548	2,577	2,628	2,786	3,004	3,210	3,302	3,244	3,135	2,998	2,892	2,820	2,735	2,687	2,748	2,935	3,255	3,265	3,225	3,069	2,852	2,614
01/29/07	2,324	2,290	2,249	2,277	2,409	2,689	3,113	3,255	3,249	3,199	3,174	3,104	3,083	3,049	3,031	3,021	3,018	3,112	3,256	3,314	3,223	3,092	2,814	2,523
01/30/07	2,592	2,538	2,508	2,557	2,649	2,962	3,426	3,644	3,583	3,455	3,359	3,286	3,211	3,173	3,151	3,106	3,129	3,246	3,450	3,494	3,427	3,279	3,030	2,744
01/31/07	2,589	2,543	2,506	2,526	2,630	2,979	3,419	3,624	3,552	3,428	3,332	3,257	3,168	3,142	3,079	3,064	3,080	3,238	3,469	3,482	3,433	3,310	3,052	2,766
02/01/07	2,652	2,604	2,556	2,587	2,688	3,029	3,461	3,662	3,599	3,468	3,387	3,317	3,233	3,210	3,149	3,132	3,142	3,297	3,524	3,539	3,490	3,369	3,112	2,829
02/02/07	2,720	2,669	2,655	2,686	2,834	3,107	3,607	3,828	3,733	3,597	3,496	3,349	3,281	3,241	3,146	3,119	3,147	3,222	3,456	3,485	3,399	3,351	3,174	2,940
02/03/07	2,763	2,707	2,685	2,718	2,766	2,903	3,086	3,303	3,385	3,360	3,290	3,181	3,085	2,974	2,904	2,858	2,925	3,131	3,384	3,444	3,386	3,290	3,072	2,836
02/04/07	2,768	2,707	2,685	2,718	2,766	2,903	3,086	3,303	3,385	3,360	3,290	3,181	3,085	2,974	2,904	2,858	2,925	3,131	3,384	3,444	3,386	3,290	3,072	2,836
02/05/07	2,700	2,640	2,654	2,687	2,842	3,170	3,653	3,876	3,775	3,689	3,563	3,412	3,321	3,284	3,191	3,198	3,198	3,378	3,668	3,673	3,644	3,509	3,218	2,932
02/06/07	2,893	2,860	2,820	2,870	2,989	3,384	3,853	4,087	3,980	3,820	3,625	3,501	3,370	3,321	3,233	3,233	3,238	3,462	3,752	3,750	3,712	3,548	3,248	3,046
02/07/07	2,927	2,896	2,858	2,909	3,030	3,430	3,901	4,140	4,027	3,817	3,656	3,527	3,388	3,336	3,245	3,223	3,250	3,485	3,783	3,779	3,742	3,630	3,370	3,075
02/08/07	3,056	3,015	2,961	3,007	3,119	3,523	3,993	4,229	4,112	3,871	3,686	3,538	3,381	3,326	3,228	3,207	3,245	3,477	3,877	3,870	3,845	3,750	3,492	3,199
02/09/07	2,915	2,877	2,868	2,919	3,085	3,372	3,906	4,183	4,061	3,871	3,712	3,508	3,393	3,322	3,199	3,160	3,211	3,357	3,649	3,642	3,553	3,515	3,344	3,111
02/10/07	2,934	2,850	2,853	2,884	2,953	3,109	3,365	3,632	3,725	3,673	3,540	3,367	3,241	3,112	3,021	2,971	3,006	3,210	3,500	3,484	3,420	3,328	3,181	2,984
02/11/07	2,744	2,681	2,658	2,689	2,736	2,871	3,050	3,262	3,343	3,322	3,258	3,155	3,064	2,959	2,891	2,846	2,912	3,113	3,359	3,420	3,361	3,266	3,049	2,815
02/12/07	2,675	2,616	2,627	2,659	2,811	3,136	3,628	3,867	3,775	3,653	3,535	3,392	3,305	3,272	3,183	3,189	3,192	3,361	3,645	3,652	3,622	3,486	3,195	2,910
02/13/07	2,707	2,664	2,617	2,652	2,758	3,116	3,560	3,768	3,691	3,546	3,446	3,362	3,267	3,238	3,171	3,156	3,171	3,339	3,579	3,589	3,543	3,422	3,167	2,881
02/14/07	2,696	2,652	2,607	2,640	2,745	3,099	3,540	3,747	3,671	3,529	3,435	3,354	3,261	3,232	3,167	3,151	3,168	3,332	3,568	3,580	3,532	3,412	3,155	2,870
02/15/07	2,667	2,619	2,572	2,605	2,707	3,053	3,489	3,692	3,625	3,488	3,403	3,329	3,243	3,218	3,156	3,138	3,149	3,308	3,539	3,553	3,504	3,384	3,127	2,843
02/16/07	2,684	2,640	2,590	2,624	2,728	3,053	3,543	3,753	3,666	3,543	3,454	3,320	3,262	3,227	3,158	3,113								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/07	2.434	2.386	2.359	2.405	2.486	2.763	3.176	3.371	3.318	3.198	3.114	3.051	2.984	2.950	2.931	2.888	2.906	3.012	3.196	3.235	3.176	3.046	2.823	2.569
03/02/07	2.579	2.535	2.520	2.566	2.655	2.928	3.348	3.448	3.448	3.256	3.123	3.011	2.904	2.840	2.840	2.783	2.789	2.904	3.109	3.112	3.091	3.061	2.927	2.693
03/03/07	2.466	2.407	2.375	2.415	2.470	2.662	2.974	3.167	3.198	3.140	3.057	2.945	2.903	2.824	2.824	2.751	2.789	3.005	3.210	3.172	3.073	3.007	2.842	2.610
03/04/07	2.448	2.420	2.395	2.421	2.466	2.606	2.800	2.983	3.064	3.036	2.916	2.794	2.701	2.637	2.637	2.518	2.573	2.738	3.025	3.031	2.996	2.857	2.665	2.453
03/05/07	2.347	2.290	2.292	2.315	2.437	2.711	3.122	3.310	3.246	3.174	3.101	3.001	2.945	2.925	2.859	2.863	2.863	2.991	3.219	3.228	3.194	3.070	2.811	2.561
03/06/07	2.440	2.400	2.358	2.386	2.479	2.794	3.187	3.370	3.305	3.185	3.102	3.032	2.952	2.928	2.871	2.858	2.871	3.014	3.223	3.233	3.191	3.081	2.853	2.598
03/07/07	2.435	2.395	2.353	2.380	2.473	2.785	3.176	3.358	3.294	3.175	3.096	3.028	2.948	2.925	2.884	2.855	2.869	3.010	3.217	3.228	3.185	3.076	2.847	2.592
03/08/07	2.474	2.434	2.393	2.427	2.523	2.845	3.244	3.434	3.364	3.225	3.134	3.058	2.972	2.945	2.884	2.867	2.878	3.034	3.253	3.263	3.222	3.116	2.884	2.628
03/09/07	2.619	2.591	2.590	2.640	2.793	3.338	3.744	3.934	3.875	3.744	3.618	3.518	3.409	3.309	3.230	3.189	3.204	3.392	3.604	3.592	3.507	3.368	3.101	2.798
03/10/07	2.548	2.472	2.466	2.485	2.536	2.669	2.875	3.088	3.172	3.156	3.075	2.959	2.870	2.772	2.704	2.667	2.698	2.843	3.072	3.084	3.027	2.939	2.801	2.618
03/11/07	2.462	2.404	2.382	2.407	2.446	2.564	2.719	2.901	2.974	2.961	2.914	2.832	2.758	2.670	2.612	2.574	2.650	2.804	3.015	3.071	3.016	2.932	2.738	2.531
03/12/07	2.367	2.312	2.312	2.341	2.466	2.746	3.165	3.359	3.289	3.208	3.126	3.020	2.929	2.866	2.866	2.853	2.866	3.005	3.211	3.223	3.179	3.069	2.841	2.582
03/13/07	2.429	2.387	2.345	2.372	2.464	2.775	3.165	3.347	3.285	3.168	3.089	3.022	2.944	2.922	2.866	2.853	2.866	3.005	3.211	3.223	3.175	3.044	2.822	2.568
03/14/07	2.434	2.387	2.361	2.404	2.485	2.762	3.176	3.371	3.318	3.198	3.114	3.031	2.984	2.949	2.890	2.880	2.906	3.012	3.196	3.235	3.175	3.046	2.823	2.569
03/15/07	2.434	2.386	2.359	2.405	2.486	2.763	3.176	3.371	3.318	3.198	3.114	3.031	2.984	2.949	2.890	2.880	2.906	3.012	3.196	3.235	3.175	3.046	2.823	2.569
03/16/07	2.579	2.535	2.520	2.566	2.655	2.928	3.348	3.510	3.448	3.256	3.123	3.011	2.904	2.840	2.840	2.783	2.789	2.904	3.109	3.112	3.091	3.061	2.927	2.693
03/17/07	2.466	2.407	2.375	2.415	2.470	2.662	2.974	3.167	3.198	3.140	3.057	2.945	2.903	2.824	2.824	2.751	2.789	3.005	3.210	3.172	3.073	3.007	2.842	2.610
03/18/07	2.448	2.420	2.395	2.421	2.466	2.606	2.800	2.983	3.064	3.013	2.916	2.794	2.701	2.637	2.561	2.518	2.573	2.738	3.025	3.031	2.996	2.857	2.665	2.453
03/19/07	2.195	2.165	2.129	2.154	2.271	2.520	2.897	3.023	3.017	2.949	2.885	2.818	2.809	2.835	2.835	2.809	2.806	2.890	3.019	3.071	2.990	2.874	2.628	2.370
03/20/07	2.280	2.203	2.186	2.207	2.300	2.555	2.926	3.082	3.037	2.987	2.969	2.945	2.924	2.905	2.890	2.880	2.901	2.943	3.094	3.129	3.038	2.908	2.662	2.408
03/21/07	2.434	2.387	2.361	2.404	2.485	2.762	3.174	3.368	3.313	3.199	3.115	3.051	2.984	2.949	2.930	2.911	2.901	2.943	3.094	3.129	3.038	2.908	2.662	2.408
03/22/07	2.527	2.238	2.213	2.231	2.319	2.556	2.910	3.080	3.063	3.030	3.037	3.035	3.031	3.028	3.043	3.060	3.051	3.074	3.192	3.172	3.128	2.991	2.727	2.461
03/23/07	2.282	2.231	2.225	2.232	2.296	2.530	2.919	3.068	3.052	3.049	3.067	3.042	3.043	3.070	3.086	3.103	3.105	3.151	3.215	3.250	3.167	3.032	2.757	2.474
03/24/07	2.232	2.193	2.169	2.185	2.220	2.369	2.556	2.697	2.792	2.801	2.748	2.643	2.567	2.460	2.409	2.387	2.439	2.662	2.749	2.809	2.749	2.631	2.452	2.230
03/25/07	2.219	2.175	2.150	2.167	2.193	2.303	2.444	2.561	2.635	2.648	2.599	2.523	2.458	2.377	2.306	2.296	2.303	2.439	2.662	2.749	2.631	2.452	2.230	
03/26/07	2.246	2.206	2.152	2.169	2.281	2.511	2.871	3.018	3.052	3.049	3.067	3.042	3.043	3.070	3.086	3.103	3.105	3.151	3.215	3.250	3.167	3.032	2.757	2.474
03/27/07	2.307	2.224	2.202	2.220	2.310	2.555	2.916	3.079	3.049	3.014	3.009	2.997	2.987	2.977	2.985	3.000	2.993	3.022	3.152	3.181	3.090	2.956	2.700	2.439
03/28/07	2.439	2.328	2.286	2.289	2.365	2.571	2.888	3.084	3.119	3.143	3.197	3.237	3.266	3.296	3.344	3.389	3.370	3.417	3.419	3.419	3.328	3.171	2.878	2.586
03/29/07	2.466	2.349	2.303	2.306	2.380	2.578	2.889	3.093	3.141	3.170	3.234	3.283	3.321	3.358	3.412	3.461	3.462	3.434	3.470	3.467	3.376	3.216	2.914	2.617
03/30/07	2.469	2.389	2.361	2.345	2.381	2.558	2.905	3.090	3.150	3.180	3.224	3.294	3.305	3.365	3.409	3.435	3.393	3.354	3.354	3.336	3.249	3.113	2.871	2.641
03/31/07	2.303	2.249	2.207	2.211	2.231	2.361	2.524	2.670	2.791	2.839	2.831	2.771	2.738	2.671	2.649	2.654	2.672	2.872	2.939	3.024	2.854	2.751	2.585	2.400
04/01/07	2.363	2.303	2.263	2.269	2.281	2.367	2.484	2.609	2.712	2.767	2.765	2.742	2.723	2.687	2.656	2.675	2.690	2.794	2.952	3.069	3.012	2.868	2.659	2.409
04/02/07	2.367	2.320	2.256	2.270	2.379	2.645	2.957	3.116	3.171	3.190	3.228	3.223	3.264	3.290	3.322	3.351	3.355	3.384	3.416	3.442	3.357	3.211	2.918	2.620
04/03/07	2.422	2.332	2.256	2.332	2.356	2.645	2.999	3.172	3.158	3.136	3.145	3.144	3.144	3.144	3.161	3.184	3.179	3.196	3.307	3.330	3.239	3.097	2.831	2.560
04/04/07	2.403	2.317	2.295	2.311	2.401	2.644	3.005	3.172	3.147	3.114	3.116	3.109	3.100	3.093	3.105	3.122	3.116	3.142	3.265	3.294	3.202	3.065	2.803	2.537
04/05/07	2.365	2.286	2.270	2.294	2.389	2.646	3.022	3.180	3.134	3.066	3.059	3.025	3.013	2.993	3.023	3.035	3.023	3.006	3.184	3.221	3.128	3.000	2.749	2.494
04/06/07	2.377	2.324	2.317	2.323	2.386	2.619	3.010	3.162	3.148	3.104	3.071	3.031	3.033	3.023	3.033	3.043	3.007	3.022	3.096	3.121	3.042	2.948	2.753	2.551
04/07/07	2.493	2.410	2.392	2.397	2.434	2.549	2.724	2.904	3.009	3.048	3.021	2.951	2.892	2.815	2.761	2.732	2.761	2.882	3.071	3.081	3.019	2.920	2.774	2.589
04/08/07	2.645	2.591	2.572	2.605	2.651	2.778	2.948	3.153	3.228	3.201	3.150	3.020	2.926	2.820	2.772	2.752	2.709	2.965	3.203	3.257	3.205	3.117	2.918	2.701
04/09/07	2.401	2.342	2.340	2.361	2.478	2.743	3.142	3.322	3.270	3.216	3.156	3.065	3.016	2.999	2.936	2.941	2.941	3.062	3.281	3.288	3.248	3.121	2.863	2.616
04/10/07	2.444	2.398	2.351	2.373	2.456	2.747	3.121	3.292	3.248	3.161	3.103	3.052	2.988	2.972	2.923	2.912	2.924	3.043	3.233	3.249	3.201	3.087	2.859	2.605
04/11/07	2.364	2.287	2.272	2.293	2.387	2.645	3.020	3.177	3.129	3.076	3.060	3.036	3.013	2.992	2.990	2.996	2.987	3.031	3.184	3.221	3.127	2.998	2.749	2.493
04/12/07	2.436	2.342	2.313	2.328	2.414	2.647	2.997	3.174	3.168	3.146	3.163	3.170	3.173	3.177	3.199	3.222	3.215	3.230	3.334	3.356	3.264	3.122	2.849	2.575
04/13/07	2.659	2.624	2.609	2.656	2.745	3.021	3.445	3.609	3.547	3.353	3.218	3.105	2.997	2.932	2.881	2.875	2.881	2.997	3.203	3.207	3.186	3.156	3.020	2.784
04/14/07	2.338	2.294	2.265	2.277	2.308	2.453	2.635	2.779	2.882	2.769	2.705	2.608	2.565	2.551	2.566	2.551	2.566	2.664	2.837	2.918	2.835	2.747	2.597	2.428
04/15/07	2.536	2.508	2.483	2.509	2.555	2.696	2.892	3.076	3.159	3.107	3.009	2.886	2.791	2.727	2.650	2.607	2.662	2.829	3.119	3.125	3.090	2.950	2.756	2.542
04/16/07	2.535	2.509	2.483	2.509	2.555	2.696	2.892	3.076	3.159	3.107	3.009	2.886	2.791	2.727	2.650	2.607	2.662</							

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
05/01/07	2,955	2,774	2,691	2,673	2,739	2,914	3,209	3,497	3,645	3,771	3,928	4,061	4,163	4,256	4,371	4,475	4,489	4,389	4,329	4,269	4,151	3,936	3,540	3,157
05/02/07	3,022	2,832	2,744	2,723	2,786	2,951	3,234	3,535	3,698	3,839	4,015	4,164	4,275	4,375	4,500	4,611	4,627	4,517	4,441	4,370	4,246	4,027	3,620	3,229
05/03/07	2,846	2,681	2,609	2,599	2,672	2,862	3,178	3,446	3,564	3,784	3,892	3,974	4,088	4,213	4,341	4,434	4,243	4,166	4,139	4,101	3,989	3,786	3,405	3,037
05/04/07	2,913	2,797	2,746	2,705	2,719	2,869	3,234	3,485	3,633	3,741	3,861	3,930	4,088	4,233	4,371	4,451	4,384	4,292	4,146	4,074	3,958	3,764	3,432	3,144
05/05/07	2,647	2,557	2,475	2,458	2,451	2,568	2,713	2,892	3,083	3,211	3,291	3,303	3,347	3,330	3,310	3,324	3,449	3,461	3,506	3,545	3,435	3,279	3,043	2,788
05/06/07	2,462	2,393	2,347	2,352	2,365	2,460	2,590	2,732	2,851	2,916	2,918	2,897	2,880	2,843	2,810	2,835	2,852	2,968	3,140	3,270	3,205	3,040	2,802	2,517
05/07/07	2,456	2,405	2,333	2,349	2,473	2,726	3,129	3,307	3,367	3,385	3,426	3,417	3,634	3,488	3,522	3,554	3,558	3,593	3,634	3,664	3,568	3,405	3,075	2,740
05/08/07	2,583	2,470	2,429	2,439	2,531	2,782	3,162	3,372	3,387	3,391	3,427	3,451	3,470	3,489	3,527	3,568	3,567	3,561	3,648	3,661	3,559	3,388	3,068	2,747
05/09/07	2,565	2,452	2,417	2,428	2,523	2,779	3,166	3,371	3,373	3,366	3,395	3,412	3,422	3,433	3,466	3,500	3,499	3,502	3,601	3,620	3,517	3,351	3,037	2,721
05/10/07	2,567	2,454	2,417	2,431	2,525	2,780	3,167	3,374	3,381	3,369	3,400	3,418	3,431	3,444	3,477	3,509	3,504	3,509	3,609	3,628	3,525	3,360	3,043	2,726
05/11/07	2,598	2,518	2,494	2,485	2,537	2,760	3,172	3,368	3,406	3,410	3,433	3,480	3,472	3,517	3,545	3,546	3,558	3,552	3,532	3,530	3,435	3,297	3,041	2,780
05/12/07	2,646	2,556	2,474	2,457	2,451	2,568	2,713	2,891	3,082	3,210	3,290	3,301	3,345	3,337	3,367	3,422	3,447	3,458	3,504	3,543	3,434	3,278	3,042	2,787
05/13/07	2,623	2,524	2,447	2,431	2,416	2,464	2,549	2,706	2,882	3,030	3,122	3,202	3,272	3,317	3,355	3,435	3,459	3,515	3,566	3,636	3,570	3,359	3,069	2,737
05/14/07	2,655	2,580	2,464	2,462	2,578	2,788	3,157	3,375	3,523	3,749	3,814	3,938	4,030	4,124	4,203	4,241	4,187	4,107	4,089	3,982	3,876	3,698	3,398	3,012
05/15/07	2,900	2,728	2,650	2,635	2,704	2,887	3,191	3,469	3,602	3,715	3,857	3,978	4,070	4,156	4,263	4,360	4,273	4,282	4,236	4,186	4,072	3,861	3,474	3,097
05/16/07	2,947	2,768	2,686	2,668	2,735	2,910	3,205	3,492	3,636	3,760	3,917	4,050	4,149	4,241	4,355	4,457	4,472	4,374	4,315	4,257	4,139	3,925	3,529	3,147
05/17/07	2,990	2,807	2,717	2,700	2,765	2,934	3,223	3,519	3,677	3,804	3,972	4,115	4,221	4,319	4,439	4,543	4,554	4,453	4,432	4,201	3,986	3,582	3,194	2,817
05/18/07	3,119	2,987	2,928	2,873	2,867	2,987	3,341	3,621	3,820	3,975	4,140	4,362	4,453	4,612	4,737	4,789	4,835	4,725	4,524	4,413	4,281	4,066	3,697	3,394
05/19/07	2,931	2,808	2,681	2,640	2,594	2,680	2,782	2,985	3,246	3,472	3,669	3,774	3,920	3,985	4,082	4,185	4,213	4,150	4,081	4,066	3,927	3,729	3,436	3,131
05/20/07	2,882	2,752	2,642	2,603	2,557	2,566	2,617	2,792	3,023	3,258	3,438	3,610	3,761	3,875	3,968	4,097	4,117	4,122	4,068	4,080	4,002	3,749	3,412	3,035
05/21/07	3,031	2,929	2,757	2,732	2,846	3,007	3,345	3,599	3,847	4,028	4,233	4,364	4,565	4,702	4,845	4,961	4,974	4,911	4,728	4,641	4,513	4,297	3,854	3,416
05/22/07	3,197	2,983	2,883	2,856	2,914	3,061	3,322	3,651	3,852	4,027	4,237	4,419	4,551	4,668	4,810	4,940	4,954	4,826	4,724	4,622	4,485	4,254	3,828	3,420
05/23/07	3,273	3,049	2,946	2,916	2,973	3,113	3,364	3,706	3,918	4,104	4,331	4,525	4,664	4,784	4,933	5,067	5,082	4,948	4,725	4,580	4,348	3,914	3,501	3,066
05/24/07	3,277	3,052	2,948	2,921	2,977	3,117	3,368	3,713	3,929	4,108	4,335	4,531	4,671	4,792	4,941	5,073	5,083	4,952	4,845	4,732	4,587	4,356	3,920	3,506
05/25/07	3,295	3,155	3,093	3,028	3,009	3,109	3,461	3,764	3,996	4,179	4,373	4,637	4,741	4,920	5,059	5,118	5,173	5,058	4,828	4,687	4,544	4,317	3,923	3,618
05/26/07	3,465	3,321	3,139	3,081	2,981	3,064	3,145	3,387	3,725	4,052	4,375	4,797	4,891	5,042	5,176	5,195	5,077	4,928	4,859	4,657	4,440	4,095	3,753	3,358
05/27/07	3,476	3,313	3,152	3,094	3,001	2,986	3,022	3,234	3,522	4,025	4,395	4,624	4,782	4,902	5,075	5,075	5,057	4,893	4,858	4,744	4,446	4,065	3,634	3,206
05/28/07	3,529	3,378	3,201	3,159	3,059	3,046	3,094	3,283	3,639	4,045	4,325	4,668	4,885	4,985	5,186	5,370	5,412	5,117	5,067	4,857	4,608	4,258	3,898	3,506
05/29/07	3,671	3,390	3,258	3,214	3,256	3,362	3,564	3,958	4,211	4,431	4,702	4,936	5,087	5,204	5,362	5,510	5,511	5,382	5,284	5,137	4,977	4,759	4,324	3,913
05/30/07	3,635	3,359	3,230	3,186	3,228	3,336	3,540	3,930	4,179	4,395	4,665	4,897	5,047	5,163	5,321	5,467	5,463	5,336	5,236	5,094	4,936	4,719	4,284	3,874
06/01/07	3,471	3,331	3,270	3,202	3,176	3,264	3,609	3,917	4,194	4,353	4,551	4,692	4,813	4,963	5,096	5,106	4,975	4,867	4,752	4,605	4,374	4,236	3,851	3,521
06/02/07	3,113	2,986	2,849	2,803	2,746	2,826	2,918	3,124	3,293	3,445	3,584	3,700	3,984	4,164	4,351	4,462	4,489	4,411	4,289	4,140	3,938	3,638	3,329	3,024
06/03/07	3,049	2,916	2,798	2,756	2,702	2,704	2,748	2,925	3,162	3,413	3,610	3,798	3,963	4,087	4,189	4,341	4,341	4,261	4,261	4,179	3,922	3,583	3,204	2,878
06/04/07	3,081	2,983	2,818	2,795	2,906	3,066	3,398	3,645	3,881	4,054	4,250	4,375	4,567	4,699	4,837	4,948	4,961	4,901	4,726	4,646	4,523	4,312	3,882	3,457
06/05/07	3,123	2,933	2,845	2,824	2,885	3,044	3,318	3,615	3,781	3,925	4,099	4,249	4,361	4,463	4,587	4,699	4,713	4,603	4,525	4,401	4,282	4,069	3,673	3,292
06/06/07	3,090	2,906	2,821	2,801	2,863	3,025	3,303	3,595	3,752	3,888	4,057	4,201	4,308	4,405	4,526	4,633	4,649	4,543	4,471	4,405	4,282	4,069	3,673	3,292
06/07/07	3,020	2,844	2,765	2,750	2,816	2,988	3,279	3,558	3,700	3,813	3,965	4,093	4,190	4,279	4,390	4,486	4,496	4,404	4,351	4,297	4,182	3,975	3,588	3,215
06/08/07	2,825	2,729	2,692	2,667	2,699	2,881	3,257	3,474	3,565	3,620	3,691	3,792	3,821	3,905	3,969	3,989	4,011	3,949	3,874	3,840	3,738	3,575	3,288	3,024
06/09/07	2,670	2,592	2,525	2,516	2,520	2,646	2,802	2,971	3,138	3,237	3,282	3,264	3,277	3,246	3,255	3,292	3,315	3,350	3,431	3,483	3,382	3,243	3,029	2,796
06/10/07	2,753	2,650	2,569	2,548	2,527	2,566	2,641	2,797	2,980	3,143	3,251	3,349	3,435	3,494	3,544	3,634	3,658	3,701	3,727	3,783	3,717	3,502	3,209	2,875
06/11/07	2,934	2,845	2,701	2,686	2,797	2,974	3,315	3,551	3,753	3,901	4,070	4,174	4,341	4,461	4,584	4,685	4,698	4,646	4,503	4,448	4,332	4,126	3,714	3,307
06/12/07	3,268	3,060	2,963	2,936	3,132	3,388	3,710	3,906	4,076	4,283	4,461	4,589	4,702	4,842	4,967	5,055	5,055	4,944	4,731	4,606	4,471	4,254	3,879	3,583
06/13/07	3,268	3,060	2,963	2,936	3,136	3,390	3,712	3,906	4,076	4,283	4,461	4,589	4,702	4,842	4,967	5,055	5,055	4,944	4,731	4,606	4,471	4,254	3,879	3,583
06/14/07	3,261	3,052	2,955	2,931	2,988	3,132	3,388	3,710	3,905	4,067	4,273	4,450	4,578	4,691	4,830	4,951	4,962	4,841	4,745	4,649	4,515	4,293	3,875	3,478
06/15/07	3,287	3,154	3,094	3,035	3,022	3,128	3,472	3,758	3,971	4,138	4,316	4,536	4,653	4,820	4,950	5,005	5,055	4,944	4,731	4,606	4,471	4,254	3,879	3,583
06/16/07	3,330	3,193	3,033	2,980	2,901	2,978	3,060	3,283	3,591	3,881	4,159	4,312	4,527	4,618	4,752	4,877	4,900	4,799	4,671	4,617	4,443	4,232	3,909	3,584
06/17/07	3,291	3,142	3,003	2,951	2,878	2,866	2,903	3,094	3,358	3,657	3,896	4,122	4,323	4,469	4,584	4,741								

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
07/01/07	3.654	3.509	3.362	3.310	3.224	3.211	3.244	3.434	3.693	4.005	4.252	4.483	4.689	4.831	4.936	5.093	5.072	5.043	4.924	4.892	4.788	4.521	4.180	3.794
07/02/07	3.900	3.696	3.467	3.426	3.547	3.647	3.925	4.173	4.485	4.695	4.946	5.097	5.337	5.458	5.608	5.724	5.726	5.685	5.458	5.317	5.181	5.000	4.570	4.140
07/03/07	3.840	3.685	3.573	3.543	3.688	3.864	4.246	4.746	4.944	4.710	4.977	5.209	5.357	5.467	5.622	5.769	5.768	5.683	5.524	5.359	5.185	4.971	4.560	4.172
07/04/07	4.098	3.990	3.813	3.790	3.672	3.655	3.713	3.890	4.218	4.595	4.859	5.260	5.489	5.552	5.746	5.915	5.906	5.793	5.562	5.481	5.246	5.045	4.800	4.518
07/05/07	4.311	4.016	3.896	3.868	3.920	3.999	4.136	4.576	4.856	5.088	5.390	5.655	5.806	5.903	6.070	6.227	6.211	6.057	5.954	5.766	5.568	5.360	4.939	4.549
07/06/07	4.109	3.976	3.937	3.855	3.721	3.825	4.153	4.480	4.746	4.984	5.178	5.522	5.606	5.803	5.942	6.074	6.057	5.982	5.718	5.533	5.380	5.159	4.758	4.499
07/07/07	3.973	3.846	3.654	3.602	3.477	3.700	3.639	3.868	4.197	4.521	4.852	5.009	5.274	5.344	5.485	5.618	5.623	5.495	5.346	5.282	5.068	4.886	4.564	4.251
07/08/07	4.258	4.111	3.929	3.887	3.759	3.754	3.772	4.010	4.297	4.634	4.959	5.231	5.476	5.625	5.726	5.929	5.856	5.826	5.669	5.669	5.555	5.233	4.879	4.421
07/09/07	4.408	4.238	4.002	3.961	4.135	4.216	4.477	4.736	5.119	5.354	5.680	6.439	6.320	6.208	6.085	5.958	5.817	5.664	6.208	6.085	5.958	5.817	5.664	4.901
07/10/07	4.855	4.493	4.347	4.308	4.358	4.381	4.422	4.946	5.278	5.556	5.895	6.201	6.348	6.418	6.611	6.787	6.777	6.557	6.416	6.242	6.056	5.862	5.451	5.078
07/11/07	4.254	4.389	4.258	4.227	4.283	4.328	4.403	4.912	5.231	5.502	5.839	6.140	6.292	6.372	6.562	6.717	6.710	6.510	6.375	6.184	5.979	5.773	5.349	4.961
07/12/07	4.254	3.965	3.846	3.818	3.870	3.951	4.096	4.527	4.802	5.030	5.328	5.588	5.738	5.838	6.003	6.143	5.994	5.892	5.706	5.511	5.302	4.882	4.492	4.161
07/13/07	3.988	3.855	3.811	3.733	3.678	3.722	4.048	4.367	4.628	4.828	5.050	5.379	5.468	5.661	5.798	5.846	5.926	5.833	5.580	5.401	5.249	5.031	4.636	4.372
07/14/07	3.892	3.764	3.578	3.526	3.409	3.497	3.568	3.795	4.118	4.437	4.761	4.914	5.174	5.248	5.389	5.519	5.526	5.404	5.257	5.192	4.984	4.799	4.480	4.169
07/15/07	4.020	3.871	3.703	3.653	3.543	3.535	3.569	3.781	4.057	4.409	4.680	4.932	5.159	5.302	5.401	5.578	5.526	5.497	5.362	5.342	5.225	4.940	4.674	4.239
07/16/07	3.894	3.790	3.549	3.506	3.632	3.728	4.004	4.253	4.577	4.790	5.051	5.204	5.451	5.570	5.722	5.839	5.839	5.802	5.567	5.421	5.284	5.107	4.674	4.239
07/17/07	4.109	3.836	3.720	3.690	3.739	3.829	3.989	4.397	4.658	4.885	5.168	5.414	5.664	5.669	5.829	5.983	5.976	5.831	5.727	5.549	5.362	5.150	4.735	4.345
07/18/07	3.896	3.645	3.536	3.505	3.598	3.651	3.829	4.206	4.449	4.661	4.926	5.154	5.300	5.411	5.565	5.710	5.711	5.574	5.468	5.307	5.135	4.923	4.512	4.125
07/19/07	3.947	3.689	3.578	3.550	3.598	3.694	3.869	4.254	4.504	4.713	4.983	5.217	5.364	5.475	5.635	5.774	5.770	5.635	5.367	5.191	4.980	4.566	4.178	3.773
07/20/07	3.848	3.719	3.537	3.485	3.372	3.458	3.529	3.754	4.075	4.391	4.710	4.867	5.119	5.195	5.335	5.463	5.472	5.353	5.208	5.142	4.938	4.751	4.434	4.123
07/21/07	3.848	3.691	3.533	3.481	3.383	3.372	3.406	3.607	3.875	4.208	4.468	4.710	4.928	5.070	5.172	5.337	5.301	5.272	5.145	5.116	5.004	4.728	4.380	3.977
07/22/07	3.389	3.253	3.126	3.078	3.010	2.999	3.032	3.207	3.448	3.723	3.941	4.149	4.333	4.467	4.572	4.715	4.715	4.693	4.591	4.568	4.479	4.226	3.899	3.533
07/23/07	3.696	3.592	3.376	3.337	3.453	3.559	3.839	4.085	4.384	4.588	4.829	4.977	5.208	5.331	5.480	5.595	5.600	5.554	5.335	5.201	5.068	4.882	4.457	4.032
07/24/07	3.504	3.296	3.199	3.172	3.221	3.340	3.555	3.871	4.073	4.250	4.462	4.646	4.776	4.887	5.024	5.150	5.160	5.037	4.935	4.822	4.686	4.477	4.086	3.713
07/25/07	3.491	3.285	3.190	3.162	3.211	3.330	3.546	3.861	4.234	4.447	4.646	4.758	4.867	5.004	5.129	5.140	5.018	4.916	4.805	4.670	4.461	4.071	3.699	3.310
07/26/07	3.596	3.376	3.276	3.249	3.297	3.410	3.616	3.948	4.164	4.344	4.572	4.769	4.905	5.018	5.160	5.288	5.294	5.170	5.066	4.941	4.797	4.587	4.188	3.810
07/27/07	3.724	3.593	3.541	3.472	3.433	3.500	3.818	4.116	4.358	4.547	4.751	5.039	5.136	5.316	5.449	5.503	5.567	5.470	5.237	5.077	4.934	4.722	4.343	4.073
07/28/07	3.523	3.395	3.240	3.190	3.107	3.179	3.252	3.462	3.755	4.036	4.311	4.459	4.672	4.756	4.886	5.003	5.022	4.922	4.794	4.737	4.565	4.372	4.071	3.770
07/29/07	3.840	3.691	3.533	3.481	3.383	3.372	3.406	3.607	3.875	4.208	4.468	4.710	4.928	5.070	5.172	5.337	5.301	5.272	5.145	5.116	5.004	4.728	4.380	3.977
07/30/07	4.116	4.018	3.745	3.700	3.843	3.930	4.201	4.454	4.803	5.025	5.309	5.466	5.734	5.847	6.004	6.125	6.117	6.090	5.830	5.682	5.544	5.381	4.940	4.494
07/31/07	4.176	3.749	3.779	3.749	3.799	3.886	4.039	4.456	4.724	4.954	5.243	5.495	5.748	5.910	6.066	6.057	6.057	5.909	5.805	5.622	5.432	5.220	4.804	4.413
08/01/07	4.058	3.782	3.665	3.632	3.683	3.781	3.957	4.370	4.635	4.866	5.156	5.407	5.562	5.675	5.841	5.997	5.994	5.847	5.736	5.557	5.367	5.144	4.711	4.303
08/02/07	4.233	3.938	3.815	3.786	3.838	3.928	4.088	4.528	4.810	5.045	5.351	5.617	5.774	5.882	6.053	6.212	6.199	6.045	5.941	5.750	5.549	5.329	4.890	4.481
08/03/07	4.094	3.955	3.911	3.827	3.764	3.806	4.149	4.487	4.764	4.975	5.212	5.565	5.656	5.860	6.005	6.054	6.149	6.045	5.773	5.583	5.423	5.192	4.775	4.501
08/04/07	3.748	3.613	3.433	3.378	3.272	3.355	3.430	3.662	3.988	4.307	4.626	4.789	5.039	5.124	5.268	5.398	5.411	5.294	5.148	5.079	4.878	4.678	4.351	4.029
08/05/07	4.059	3.902	3.726	3.674	3.559	3.550	3.586	3.808	4.097	4.466	4.750	5.014	5.252	5.402	5.505	5.691	5.621	5.506	5.465	5.444	5.022	4.649	4.207	3.850
08/06/07	4.156	4.052	3.767	3.720	3.869	3.961	4.245	4.510	4.875	5.107	5.404	5.569	5.849	5.968	6.133	6.258	6.251	6.222	6.051	5.796	5.651	5.479	5.017	4.550
08/07/07	4.315	4.013	3.887	3.857	3.910	3.996	4.147	4.599	4.886	5.133	5.443	5.715	5.873	5.977	6.150	6.316	6.304	6.143	6.034	5.838	5.633	5.479	5.017	4.565
08/08/07	4.361	4.054	3.929	3.897	3.951	4.034	4.178	4.637	4.927	5.177	5.493	5.769	5.927	6.029	6.204	6.370	6.358	6.194	6.084	5.886	5.678	5.458	5.020	4.610
08/09/07	4.230	3.935	3.813	3.783	3.836	3.926	4.086	4.526	4.808	5.042	5.348	5.614	5.771	5.879	6.049	6.209	6.196	6.044	5.938	5.747	5.547	5.326	4.888	4.478
08/10/07	4.967	4.811	4.788	4.655	4.490	4.399	4.702	5.061	5.339	5.535	5.794	6.242	6.266	6.494	6.663	6.655	6.787	6.676	6.287	6.145	5.948	5.814	5.419	5.212
08/11/07	4.614	4.491	4.237	4.184	3.985	4.119	4.171	4.403	4.770	5.135	5.526	5.682	6.019	6.076	6.219	6.414	6.401	6.194	5.993	5.977	5.726	5.564	5.206	4.857
08/12/07	4.036	3.879	3.704	3.652	3.538	3.529	3.565	3.786	4.074	4.440	4.722	4.985	5.222	5.372	5.475	5.659	5.607	5.577	5.437	5.414	5.292	4.994	4.622	4.183
08/13/07	4.346	4.253	3.935	3.890	3.854	3.929	4.144	4.422	4.691	5.078	5.348	5.639	5.808	6.110	6.229	6.400	6.531	6.516	6.189	6.044	5.904	5.746	5.277	4.800
08/14/07	4.330	4.025	3.900	3.869	3.922	4.008	4.157	4.611	4.899	5.147	5.459	5.732	5.890	5.993	6.167	6.333	6.321	6.159	6.050	5.853	5.648	5.426	4.989	4.579
08/15/07	4.311	4.009	3.886	3.854	3.907	3.993	4.143	4.594	4.880	5.126	5.439	5.711	5.868	5.972	6.145	6.310	6.299	6.138	6.029	5.834	5.628	5.408	4.970	4.560
08/16/07	4.314	4.010	3.886	3.856	3.910	3.995	4.143	4.594	4.880	5.126	5.440	5.713	5.871	5.975	6.148	6.311								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
09/01/07	3.134	2.998	2.842	2.790	2.715	2.792	2.876	3.097	3.400	3.684	3.953	4.102	4.309	4.399	4.530	4.653	4.677	4.579	4.456	4.407	4.237	4.026	3.706	3.382
09/02/07	3.286	3.130	2.979	2.923	2.840	2.826	2.861	3.062	3.339	3.662	3.919	4.162	4.377	4.531	4.648	4.813	4.805	4.775	4.652	4.621	4.514	4.227	3.858	3.443
09/03/07	3.472	3.324	3.148	3.107	3.007	2.994	3.041	3.226	3.579	3.980	4.257	4.599	4.814	4.913	5.111	5.292	5.331	5.250	5.036	4.986	4.774	4.529	4.187	3.834
09/04/07	3.680	3.497	3.307	3.244	3.097	3.220	3.444	3.817	4.059	4.271	4.528	4.751	4.923	5.085	5.189	5.346	5.346	5.203	4.939	4.939	4.774	4.540	4.098	3.678
09/05/07	3.830	3.607	3.387	3.325	3.190	3.305	3.617	4.028	4.293	4.525	4.733	5.063	5.223	5.347	5.416	5.675	5.677	5.527	5.408	5.235	5.048	4.813	4.359	3.932
09/06/07	4.055	3.732	3.594	3.554	3.602	3.686	3.843	4.303	4.594	4.835	5.152	5.427	5.584	5.688	5.860	6.021	6.022	5.875	5.777	5.590	5.392	5.175	4.727	4.311
09/07/07	3.997	3.451	3.395	3.317	3.371	3.338	3.692	4.028	4.302	4.515	4.745	5.075	5.181	5.384	5.532	5.591	5.666	5.560	5.297	5.114	4.953	4.717	4.293	3.995
09/08/07	3.608	3.465	3.268	3.211	3.092	3.183	3.262	3.509	3.861	4.205	4.451	4.725	4.998	5.084	5.238	5.377	5.389	5.260	5.103	5.022	4.809	4.601	4.251	3.910
09/09/07	3.767	3.601	3.420	3.364	3.248	3.238	3.276	3.505	3.806	4.186	4.481	4.755	5.001	5.158	5.269	5.459	5.409	5.377	5.232	5.205	5.077	4.766	4.376	3.920
09/10/07	4.023	3.908	3.586	3.528	3.684	3.769	4.058	4.330	4.716	4.955	5.268	5.546	5.730	5.846	6.013	6.138	6.137	6.126	5.845	5.699	5.564	5.405	4.931	4.451
09/11/07	3.816	3.528	3.404	3.371	3.424	3.530	3.720	4.150	4.428	4.670	4.969	5.231	5.395	5.515	5.688	5.853	5.850	5.696	5.579	5.393	5.196	4.960	4.504	4.073
09/12/07	3.815	3.528	3.404	3.370	3.424	3.538	3.718	4.148	4.425	4.666	4.968	5.230	5.393	5.514	5.687	5.851	5.849	5.695	5.577	5.391	5.194	4.959	4.502	4.072
09/13/07	3.614	3.346	3.227	3.196	3.249	3.362	3.571	3.972	4.234	4.454	4.735	4.979	5.138	5.263	5.430	5.583	5.583	5.439	5.322	5.157	4.976	4.742	4.289	3.863
09/14/07	3.602	3.455	3.400	3.321	3.275	3.396	3.696	4.032	4.306	4.519	4.750	5.081	5.186	5.390	5.538	5.597	5.672	5.566	5.302	5.120	4.958	4.722	4.297	4.000
09/15/07	3.524	3.381	3.191	3.134	3.022	3.110	3.188	3.433	3.777	4.114	4.450	4.622	4.886	4.975	5.128	5.264	5.279	5.155	5.001	4.928	4.716	4.505	4.160	3.820
09/16/07	3.636	3.472	3.299	3.241	3.134	3.121	3.159	3.380	3.675	4.042	4.328	4.595	4.834	4.991	5.104	5.286	5.249	5.044	4.920	4.716	4.504	4.161	4.232	3.788
09/17/07	3.585	3.469	3.220	3.175	3.307	3.419	3.728	4.001	4.343	4.573	4.849	5.015	5.278	5.412	5.578	5.707	5.710	5.663	5.414	5.259	5.110	4.908	4.433	3.959
09/18/07	3.616	3.349	3.229	3.197	3.249	3.363	3.571	3.971	4.232	4.460	4.739	4.981	5.140	5.265	5.436	5.589	5.593	5.444	5.326	5.158	4.978	4.742	4.292	3.865
09/19/07	3.665	3.393	3.273	3.239	3.292	3.403	3.606	4.014	4.278	4.508	4.795	5.043	5.203	5.327	5.496	5.654	5.657	5.507	5.388	5.216	5.031	4.796	4.343	3.916
09/20/07	3.619	3.350	3.232	3.201	3.253	3.367	3.574	3.976	4.239	4.459	4.741	4.985	5.144	5.269	5.436	5.590	5.590	5.445	5.328	5.162	4.981	4.747	4.294	3.868
09/21/07	3.230	3.092	3.031	2.967	2.947	3.045	3.390	3.689	3.919	4.100	4.292	4.554	4.834	4.970	5.104	5.286	5.249	5.044	4.920	4.716	4.504	4.161	3.820	3.484
09/22/07	3.223	3.084	2.919	2.865	2.782	2.860	2.941	3.168	3.483	3.781	4.069	4.227	4.450	4.542	4.680	4.807	4.830	4.725	4.591	4.534	4.354	4.141	3.813	3.484
09/23/07	2.903	2.768	2.650	2.607	2.553	2.554	2.598	2.777	3.016	3.269	3.467	3.627	3.823	3.949	4.050	4.188	4.204	4.198	4.123	4.122	4.040	3.782	3.440	3.059
09/24/07	2.822	2.788	2.629	2.608	2.720	2.886	3.222	3.467	3.694	4.050	4.169	4.355	4.619	4.727	4.741	4.684	4.619	4.484	4.516	4.443	4.322	4.111	3.684	3.262
09/25/07	3.421	3.175	3.062	3.030	3.083	3.207	3.432	3.803	4.043	4.254	4.508	4.729	4.881	5.006	5.165	5.313	5.322	5.179	5.062	4.918	4.755	4.521	4.079	3.660
09/26/07	3.160	2.945	2.846	2.818	2.874	3.014	3.265	3.596	3.798	3.994	4.316	4.509	4.625	4.768	4.897	4.912	4.784	4.679	4.574	4.435	4.208	3.785	3.381	3.129
09/27/07	2.927	2.742	2.658	2.640	2.704	2.869	3.152	3.444	3.601	3.728	3.891	4.036	4.142	4.239	4.357	4.461	4.472	4.371	4.305	4.240	4.120	3.908	3.510	3.129
09/28/07	3.221	3.083	3.022	2.959	2.939	3.038	3.384	3.681	3.910	4.089	4.280	4.540	4.642	4.819	4.954	5.012	5.067	4.954	4.728	4.590	4.448	4.225	3.838	3.538
09/29/07	2.773	2.661	2.548	2.514	2.479	2.571	2.681	2.873	3.110	3.306	3.468	3.634	3.742	3.813	3.789	3.880	3.907	3.863	3.823	3.823	3.696	3.512	3.239	2.951
09/30/07	2.552	2.456	2.382	2.366	2.352	2.402	2.487	2.640	2.811	3.063	3.041	3.116	3.181	3.257	3.355	3.358	3.358	3.415	3.469	3.540	3.475	3.270	2.987	2.692
10/01/07	2.467	2.399	2.295	2.295	2.406	2.611	2.965	3.167	3.297	3.384	3.491	3.544	3.652	3.733	3.816	3.885	3.895	3.876	3.813	3.703	3.521	3.160	2.799	2.500
10/02/07	2.625	2.478	2.415	2.407	2.479	2.671	2.982	3.224	3.317	3.393	3.497	3.584	3.651	3.714	3.797	3.873	3.883	3.819	3.809	3.782	3.680	3.490	3.142	2.801
10/03/07	2.675	2.520	2.453	2.441	2.510	2.692	2.991	3.244	3.352	3.442	3.564	3.665	3.742	3.813	3.906	3.989	4.001	3.926	3.898	3.862	3.756	3.563	3.204	2.855
10/04/07	2.730	2.565	2.492	2.479	2.545	2.718	3.008	3.272	3.399	3.499	3.636	3.752	3.839	3.920	4.022	4.110	4.119	4.037	3.995	3.949	3.841	3.643	3.273	2.916
10/05/07	2.757	2.645	2.596	2.556	2.568	2.708	3.054	3.294	3.438	3.544	3.662	3.822	3.884	4.006	4.102	4.140	4.172	4.083	3.940	3.868	3.757	3.571	3.253	2.979
10/06/07	2.666	2.558	2.451	2.418	2.386	2.475	2.582	2.767	2.994	3.180	3.334	3.409	3.519	3.636	3.723	3.749	3.708	3.672	3.674	3.552	3.375	3.113	2.836	2.562
10/07/07	2.803	2.672	2.558	2.516	2.464	2.464	2.507	2.679	2.911	3.156	3.348	3.394	3.694	3.815	3.914	4.047	4.063	4.056	3.983	3.982	3.902	3.652	3.322	2.954
10/08/07	2.835	2.740	2.578	2.556	2.664	2.819	3.140	3.381	3.612	3.781	3.973	4.095	4.283	4.411	4.546	4.654	4.667	4.609	4.438	4.358	4.238	4.033	3.615	3.201
10/09/07	3.077	2.865	2.766	2.740	2.793	2.927	3.167	3.491	3.692	3.868	4.080	4.262	4.394	4.508	4.648	4.777	4.790	4.663	4.560	4.454	4.317	4.096	3.686	3.294
10/10/07	3.100	2.886	2.788	2.759	2.812	2.944	3.180	3.508	3.712	3.891	4.109	4.296	4.429	4.543	4.686	4.815	4.828	4.701	4.595	4.485	4.346	4.125	3.712	3.318
10/11/07	3.101	2.885	2.786	2.760	2.813	2.945	3.182	3.511	3.718	3.890	4.108	4.295	4.429	4.544	4.686	4.813	4.822	4.698	4.595	4.486	4.347	4.127	3.712	3.319
10/12/07	3.171	3.042	2.989	2.931	3.011	3.011	3.351	3.652	3.887	4.074	4.273	4.542	4.649	4.831	4.971	5.035	5.097	4.975	4.735	4.581	4.428	4.196	3.802	3.498
10/13/07	2.831	2.709	2.580	2.536	2.484	2.563	2.654	2.852	3.114	3.347	3.557	3.672	3.830	3.901	4.005	4.111	4.137	4.065	3.980	3.956	3.815	3.621	3.333	3.035
10/14/07	2.700	2.578	2.475	2.439	2.396	2.406	2.456	2.621	2.838	3.057	3.225	3.385	3.525	3.630	3.717	3.838	3.858	3.864	3.816	3.830	3.757	3.518	3.200	2.844
10/15/07	2.643	2.559	2.425	2.414	2.521	2.699	3.034	3.258	3.444	3.578	3.733	3.828	3.981	4.093	4.207	4.301	4.313	4.267	4.140	4.093	3.983	3.786	3.392	3.001
10/16/07	2.673	2.519	2.450	2.439	2.508	2.691	2.991	3.243	3.352	3.443	3.562	3.662	3.739	3.811	3.903	3.987	3.998	3.923	3.896	3.860	3.755	3.561	3.203	2.854
10/17/07	2.655	2.504	2.438	2.428	2.498	2.683	2.986	3.235	3.337	3.422	3.538	3.634	3.706	3.775	3.864	3.944	3.955	3.884	3.863					

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/07	2.341	2.263	2.248	2.274	2.373	2.640	3.030	3.190	3.138	3.072	3.050	3.021	2.995	2.970	2.964	2.965	2.951	3.004	3.171	3.212	3.116	2.987	2.733	2.473
11/02/07	2.351	2.299	2.293	2.301	2.369	2.612	3.017	3.171	3.151	3.100	3.070	3.057	3.009	3.006	2.992	2.971	2.972	2.992	3.077	3.106	3.026	2.932	2.736	2.530
11/03/07	2.279	2.244	2.226	2.247	2.289	2.450	2.654	2.799	2.887	2.883	2.810	2.685	2.590	2.463	2.399	2.365	2.378	2.506	2.723	2.818	2.734	2.659	2.521	2.364
11/04/07	2.293	2.246	2.231	2.236	2.262	2.376	2.520	2.720	2.872	2.935	2.688	2.612	2.547	2.466	2.394	2.352	2.393	2.532	2.759	2.911	2.849	2.724	2.537	2.306
11/05/07	2.320	2.278	2.259	2.239	2.354	2.592	2.966	3.118	3.155	3.173	3.173	3.148	3.171	3.180	3.197	3.215	3.217	3.264	3.328	3.365	3.278	3.138	2.851	2.557
11/06/07	2.402	2.311	2.284	2.301	2.391	2.639	3.006	3.180	3.161	3.135	3.140	3.137	3.133	3.130	3.146	3.167	3.161	3.182	3.301	3.328	3.234	3.090	2.818	2.542
11/07/07	2.414	2.320	2.293	2.307	2.397	2.639	3.002	3.183	3.166	3.144	3.157	3.158	3.158	3.178	3.201	3.197	3.213	3.325	3.349	3.254	3.109	2.833	2.554	
11/08/07	2.414	2.319	2.291	2.308	2.398	2.640	3.004	3.183	3.171	3.143	3.155	3.158	3.157	3.158	3.177	3.198	3.190	3.309	3.323	3.234	3.084	2.833	2.554	
11/09/07	2.454	2.385	2.366	2.361	2.412	2.622	3.000	3.175	3.200	3.194	3.206	3.239	3.224	3.257	3.277	3.274	3.283	3.266	3.281	3.284	3.200	3.079	2.853	2.629
11/10/07	2.424	2.359	2.305	2.301	2.313	2.437	2.592	2.747	2.890	2.963	2.984	2.948	2.940	2.894	2.889	2.911	2.931	2.981	3.081	3.007	2.947	2.808	2.605	2.359
11/11/07	2.325	2.269	2.234	2.244	2.289	2.361	2.491	2.616	2.711	2.751	2.730	2.686	2.648	2.593	2.545	2.553	2.565	2.686	2.874	3.007	2.947	2.808	2.605	2.359
11/12/07	2.414	2.320	2.293	2.307	2.397	2.639	3.002	3.183	3.166	3.144	3.157	3.158	3.157	3.158	3.178	3.201	3.197	3.303	3.325	3.234	3.084	2.833	2.554	
11/13/07	2.474	2.367	2.329	2.337	2.421	2.646	2.990	3.182	3.199	3.206	3.242	3.267	3.286	3.343	3.381	3.373	3.447	3.458	3.447	3.458	3.364	3.208	2.915	2.622
11/14/07	2.415	2.366	2.319	2.338	2.421	2.712	3.089	3.261	3.222	3.139	3.088	3.041	2.977	2.962	2.915	2.902	2.916	3.031	3.223	3.242	3.189	3.073	2.838	2.579
11/15/07	2.513	2.463	2.435	2.433	2.567	2.854	3.283	3.485	3.483	3.305	3.219	3.153	3.084	3.049	3.029	2.984	3.002	3.113	3.303	3.344	3.283	3.148	2.916	2.653
11/16/07	2.366	2.311	2.303	2.309	2.374	2.613	3.013	3.171	3.157	3.112	3.089	3.083	3.039	3.042	3.032	3.015	3.017	3.031	3.106	3.131	3.050	2.952	2.752	2.543
11/17/07	2.273	2.240	2.223	2.245	2.288	2.452	2.658	2.802	2.888	2.880	2.803	2.674	2.575	2.444	2.377	2.340	2.353	2.484	2.707	2.804	2.720	2.647	2.512	2.357
11/18/07	2.512	2.463	2.435	2.441	2.566	2.853	3.282	3.482	3.426	3.308	3.219	3.152	3.083	3.048	3.027	2.986	2.916	3.001	3.131	3.184	3.100	2.979	2.722	2.452
11/19/07	2.267	2.235	2.197	2.223	2.344	2.601	2.991	3.123	3.119	3.074	3.053	2.990	2.972	2.942	2.926	2.918	2.916	3.001	3.131	3.184	3.100	2.979	2.722	2.452
11/20/07	2.512	2.463	2.435	2.441	2.566	2.853	3.282	3.482	3.426	3.308	3.219	3.152	3.083	3.048	3.027	2.986	2.916	3.001	3.131	3.184	3.100	2.979	2.722	2.452
11/21/07	2.512	2.463	2.435	2.441	2.566	2.853	3.282	3.482	3.426	3.308	3.219	3.152	3.083	3.048	3.027	2.986	2.916	3.001	3.131	3.184	3.100	2.979	2.722	2.452
11/22/07	2.449	2.383	2.353	2.372	2.406	2.519	2.666	2.837	2.921	2.922	2.896	2.835	2.775	2.694	2.641	2.603	2.653	2.822	3.019	3.080	3.024	2.939	2.740	2.530
11/23/07	2.455	2.434	2.466	2.479	2.594	2.821	3.150	3.316	3.385	3.264	3.170	3.074	2.961	2.907	2.848	2.820	2.867	3.011	3.278	3.244	3.176	3.084	2.842	2.592
11/24/07	2.546	2.484	2.451	2.493	2.550	2.749	3.073	3.305	3.305	3.245	3.159	3.042	2.999	2.917	2.842	2.820	2.867	3.011	3.278	3.244	3.176	3.084	2.842	2.592
11/25/07	2.668	2.615	2.595	2.632	2.681	2.813	2.991	3.207	3.286	3.255	3.177	3.057	2.955	2.840	2.768	2.723	2.790	2.993	3.243	3.298	3.247	3.154	2.948	2.722
11/26/07	2.692	2.607	2.611	2.625	2.761	3.048	3.312	3.750	3.666	3.525	3.384	3.213	3.086	3.066	2.968	2.998	3.033	3.258	3.557	3.547	3.426	3.171	2.915	2.695
11/27/07	2.820	2.771	2.710	2.738	2.829	3.191	3.612	3.817	3.714	3.509	3.348	3.222	3.087	3.042	2.960	2.949	2.992	3.251	3.564	3.565	3.456	3.171	2.915	2.695
11/28/07	2.821	2.771	2.710	2.738	2.829	3.191	3.612	3.817	3.714	3.509	3.348	3.222	3.087	3.042	2.960	2.949	2.992	3.251	3.564	3.565	3.456	3.171	2.915	2.695
11/29/07	2.721	2.666	2.606	2.630	2.719	3.065	3.478	3.676	3.586	3.396	3.259	3.151	3.034	2.998	2.925	2.914	2.947	3.180	3.470	3.479	3.456	3.365	3.134	2.871
11/30/07	2.593	2.548	2.537	2.570	2.711	2.970	3.444	3.660	3.565	3.426	3.320	3.172	3.099	3.055	2.962	2.934	2.964	3.046	3.276	3.297	3.217	3.175	3.012	2.795
12/01/07	2.809	2.742	2.746	2.746	2.809	2.965	3.212	3.467	3.561	3.528	3.418	3.267	3.155	3.055	2.952	2.906	2.941	3.122	3.398	3.403	3.337	3.240	3.085	2.879
12/02/07	2.809	2.751	2.730	2.770	2.825	2.971	3.169	3.409	3.497	3.462	3.373	3.239	3.125	2.997	2.916	2.866	2.941	3.166	3.444	3.504	3.448	3.345	3.117	2.868
12/03/07	2.779	2.716	2.742	2.780	2.952	3.295	3.826	4.106	4.003	3.841	3.681	3.494	3.376	3.323	3.210	3.225	3.241	3.454	3.779	3.763	3.739	3.597	3.303	3.008
12/04/07	2.966	2.938	2.899	2.957	3.085	3.507	3.997	4.249	4.127	3.984	3.708	3.560	3.405	3.244	3.225	3.241	3.241	3.454	3.779	3.763	3.739	3.597	3.303	3.008
12/05/07	2.949	2.920	2.883	2.938	3.065	3.484	3.972	4.222	4.101	3.872	3.692	3.548	3.395	3.336	3.237	3.213	3.244	3.503	3.823	3.814	3.778	3.666	3.399	3.093
12/06/07	3.056	3.032	2.994	3.058	3.190	3.623	4.123	4.383	4.253	3.996	3.795	3.633	3.462	3.397	3.287	3.257	3.290	3.583	3.929	3.913	3.880	3.775	3.503	3.193
12/07/07	3.111	3.066	3.051	3.106	3.285	3.572	4.107	4.409	4.290	4.062	3.854	3.613	3.462	3.373	3.222	3.189	3.267	3.496	3.815	3.790	3.688	3.681	3.515	3.258
12/08/07	3.214	3.113	3.116	3.145	3.209	3.349	3.498	3.726	3.879	3.963	3.964	3.875	3.780	3.650	3.570	3.522	3.573	3.842	4.042	4.048	4.002	3.894	3.689	3.437
12/09/07	2.972	2.923	2.902	2.959	3.024	3.183	3.398	3.666	3.757	3.714	3.611	3.457	3.331	3.187	3.102	3.042	3.131	3.390	3.686	3.682	3.682	3.572	3.325	3.054
12/10/07	2.826	2.761	2.791	2.831	3.006	3.350	3.886	4.173	4.069	3.902	3.735	3.539	3.414	3.356	3.239	3.257	3.278	3.505	3.838	3.811	3.788	3.644	3.350	3.055
12/11/07	3.005	2.979	2.940	3.000	3.130	3.557	4.052	4.306	4.180	3.940	3.746	3.591	3.428	3.366	3.261	3.236	3.269	3.544	3.878	3.865	3.831	3.721	3.453	3.145
12/12/07	2.854	2.821	2.781	2.831	2.953	3.357	3.836	4.077	3.966	3.760	3.603	3.478	3.342	3.292	3.203	3.181	3.207	3.437	3.734	3.732	3.692	3.576	3.311	3.010
12/13/07	2.914	2.882	2.843	2.899	3.025	3.438	3.924	4.172	4.057	3.829	3.658	3.522	3.375	3.320	3.224	3.199	3.223	3.475	3.789	3.784	3.747	3.634	3.366	3.062
12/14/07	2.828	2.787	2.777	2.825	2.991	3.283	3.826	4.097	3.976	3.793	3.642	3.446	3.338	3.272	3.153	3.116	3.161	3.293	3.581	3.583	3.493	3.452	3.275	3.037
12/15/07	2.797	2.710	2.707	2.731	2.794	2.948	3.193	3.445	3.540	3.509	3.404	3.257	3.093	3.030	2.948	2.903	2.938	3.115	3.388	3.395	3.330	3.231	3.076	2.869
12/16/07	2.572	2.547	2.526	2.526	2.628	2.975	3.413	3.617	3.551	3.428	3.349	3.279	3.195	3.171	3.111	1.096	1.111	1.263	1.490	1.505	1.453	1.327	1.066	0.777
12/17/07	2.559	2.496	2.501	2.529	2.674	2.996	3.477	3.701	3.619	3.523	3.427	3.304	3.233	3.126	3.026	2.928	2.857	3.087	3.342					

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
01/01/08	2.814	2.750	2.726	2.763	2.814	2.965	3.163	3.396	3.483	3.453	3.370	3.244	3.135	3.011	2.933	2.885	2.957	3.180	3.454	3.518	3.460	3.361	3.135	2.886
01/02/08	2.812	2.771	2.727	2.768	2.877	3.279	3.757	3.988	3.891	3.713	3.587	3.437	3.297	3.149	3.020	2.949	3.251	3.451	3.723	3.729	3.683	3.560	3.289	2.985
01/03/08	2.812	2.770	2.725	2.769	2.888	3.280	3.759	3.991	3.897	3.712	3.586	3.432	3.297	3.149	3.020	2.949	3.244	3.447	3.722	3.730	3.685	3.562	3.290	2.986
01/04/08	2.855	2.855	2.845	2.893	3.063	3.363	3.918	4.195	4.072	3.885	3.732	3.532	3.356	3.235	3.125	3.197	3.376	3.376	3.673	3.673	3.585	3.359	3.357	3.113
01/05/08	2.870	2.982	2.989	3.027	3.107	3.271	3.549	3.845	3.953	3.878	3.728	3.529	3.377	3.259	3.123	3.065	3.104	3.353	3.670	3.662	3.560	3.466	3.315	3.111
01/06/08	2.943	2.886	2.865	2.911	2.971	3.124	3.334	3.591	3.684	3.645	3.545	3.395	3.270	3.129	3.042	2.987	3.069	3.311	3.606	3.666	3.610	3.500	3.262	3.000
01/07/08	2.949	2.881	2.915	2.959	3.142	3.494	4.049	4.346	4.456	4.238	4.065	3.892	3.684	3.551	3.433	3.364	3.415	3.663	4.010	3.972	3.947	3.796	3.494	3.159
01/08/08	3.294	3.262	3.197	3.247	3.367	3.820	4.346	4.590	4.448	4.178	3.964	3.779	3.592	3.451	3.300	3.249	3.413	3.800	4.183	4.159	4.141	4.054	3.774	3.459
01/09/08	3.227	3.191	3.131	3.180	3.298	3.740	4.249	4.497	4.360	4.096	3.885	3.710	3.528	3.467	3.354	3.333	3.386	3.720	4.098	4.081	4.059	3.967	3.692	3.379
01/10/08	3.267	3.232	3.170	3.223	3.343	3.791	4.309	4.558	4.420	4.144	3.932	3.763	3.567	3.506	3.391	3.366	3.416	3.747	4.127	4.107	4.019	3.739	3.425	3.159
01/11/08	3.014	2.977	2.969	3.027	3.205	3.508	4.073	4.376	4.246	4.034	3.852	3.625	3.491	3.409	3.272	3.229	3.290	3.466	3.783	3.765	3.671	3.634	3.454	3.207
01/12/08	2.958	2.958	2.965	3.002	3.081	3.245	3.521	3.815	3.919	3.854	3.699	3.500	3.355	3.210	3.106	3.049	3.088	3.328	3.645	3.622	3.565	3.445	3.293	3.089
01/13/08	2.906	2.847	2.826	2.869	2.927	3.078	3.283	3.534	3.625	3.534	3.423	3.300	3.195	3.095	3.010	2.958	3.036	3.271	3.561	3.622	3.565	3.457	3.222	2.964
01/14/08	2.824	2.760	2.784	2.822	2.925	3.346	3.887	4.169	4.065	3.902	3.745	3.560	3.443	3.392	3.281	3.294	3.307	3.517	3.845	3.834	3.809	3.664	3.362	3.060
01/15/08	2.794	2.752	2.706	2.747	2.864	3.253	3.730	3.958	3.865	3.694	3.569	3.468	3.357	3.320	3.242	3.225	3.244	3.438	3.707	3.714	3.668	3.543	3.273	2.970
01/16/08	2.812	2.771	2.727	2.768	2.887	3.279	3.757	3.988	3.891	3.713	3.587	3.437	3.297	3.149	3.020	2.949	3.251	3.451	3.723	3.729	3.683	3.560	3.289	2.985
01/17/08	2.778	2.733	2.687	2.729	2.845	3.229	3.703	3.930	3.842	3.668	3.552	3.456	3.348	3.312	3.238	3.217	3.232	3.425	3.690	3.700	3.653	3.529	3.257	2.955
01/18/08	2.789	2.738	2.725	2.763	2.923	3.214	3.750	3.995	3.887	3.731	3.611	3.443	3.361	3.311	3.206	3.175	3.208	3.301	3.561	3.585	3.495	3.447	3.262	3.017
01/19/08	2.745	2.653	2.639	2.684	2.705	2.898	3.085	3.307	3.392	3.371	3.305	3.199	3.105	2.995	2.923	2.877	2.946	3.156	3.413	3.478	3.415	3.316	3.088	2.843
01/20/08	2.766	2.700	2.675	2.708	2.757	2.898	3.085	3.307	3.392	3.371	3.305	3.199	3.105	2.995	2.923	2.877	2.946	3.156	3.413	3.478	3.415	3.316	3.088	2.843
01/21/08	2.659	2.587	2.558	2.588	2.624	2.757	2.929	3.125	3.214	3.176	3.078	2.978	2.875	2.812	2.875	2.875	3.067	3.294	3.361	3.299	3.200	2.976	2.741	2.441
01/22/08	2.695	2.647	2.596	2.629	2.629	2.737	3.102	3.361	3.458	3.469	3.390	3.298	3.272	3.206	3.206	3.191	3.206	3.370	3.612	3.625	3.575	3.446	3.178	2.880
01/23/08	2.684	2.635	2.586	2.617	2.723	3.084	3.539	3.751	3.700	3.563	3.469	3.382	3.292	3.266	3.201	3.186	3.187	3.363	3.601	3.615	3.563	3.435	3.167	2.869
01/24/08	2.693	2.643	2.593	2.628	2.736	3.099	3.557	3.771	3.700	3.556	3.466	3.389	3.297	3.271	3.206	3.187	3.199	3.366	3.609	3.624	3.573	3.446	3.176	2.877
01/25/08	2.869	2.817	2.799	2.854	2.957	3.277	3.770	3.960	3.888	3.662	3.507	3.375	3.249	3.175	3.115	3.108	3.115	3.249	3.489	3.494	3.469	3.433	3.276	3.002
01/26/08	2.443	2.394	2.374	2.398	2.445	2.547	2.713	2.850	2.935	2.947	2.888	2.828	2.762	2.641	2.568	2.529	2.688	2.935	3.042	2.947	2.862	2.707	2.530	2.454
01/27/08	2.444	2.392	2.364	2.384	2.445	2.547	2.713	2.850	2.935	2.947	2.888	2.828	2.762	2.641	2.568	2.529	2.688	2.935	3.042	2.947	2.862	2.707	2.530	2.454
01/28/08	2.558	2.499	2.496	2.536	2.649	2.966	3.511	3.712	3.655	3.530	3.485	3.388	3.333	3.312	3.274	3.257	3.272	3.389	3.557	3.594	3.511	3.372	3.076	2.773
01/29/08	2.520	2.429	2.429	2.434	2.543	2.840	3.275	3.458	3.407	3.349	3.258	3.257	3.266	3.259	3.200	3.188	3.200	3.368	3.611	3.626	3.575	3.449	3.178	2.886
01/30/08	2.698	2.643	2.613	2.663	2.758	3.083	3.566	3.794	3.729	3.595	3.497	3.422	3.343	3.303	3.280	3.233	3.259	3.380	3.592	3.619	3.411	3.259	2.969	2.671
01/31/08	2.695	2.646	2.596	2.630	2.739	3.103	3.561	3.775	3.704	3.559	3.468	3.391	3.299	3.272	3.207	3.188	3.200	3.368	3.611	3.626	3.575	3.449	3.178	2.886
02/01/08	2.616	2.555	2.526	2.562	2.712	2.999	3.520	3.738	3.651	3.531	3.447	3.314	3.257	3.225	3.134	3.108	3.135	3.194	3.420	3.459	3.365	3.305	3.109	2.854
02/02/08	2.704	2.609	2.597	2.613	2.668	2.821	3.055	3.295	3.338	3.317	3.252	3.145	3.050	2.938	2.865	2.818	2.888	3.102	3.358	3.380	3.309	3.198	3.027	2.804
02/03/08	2.698	2.630	2.604	2.637	2.686	2.831	3.023	3.250	3.338	3.317	3.252	3.145	3.050	2.938	2.865	2.818	2.888	3.102	3.358	3.380	3.309	3.198	3.027	2.804
02/04/08	2.639	2.575	2.557	2.587	2.621	2.786	3.139	3.672	3.932	3.702	3.572	3.384	3.287	3.210	3.191	3.197	3.200	3.384	3.691	3.699	3.667	3.519	3.204	2.894
02/05/08	2.808	2.768	2.723	2.771	2.897	3.313	3.815	4.060	3.953	3.754	3.605	3.486	3.356	3.310	3.223	3.203	3.226	3.448	3.745	3.747	3.703	3.576	3.297	2.981
02/06/08	2.877	2.841	2.799	2.852	2.981	3.409	3.916	4.171	4.054	3.855	3.670	3.537	3.393	3.340	3.246	3.223	3.250	3.494	3.808	3.806	3.764	3.641	3.360	3.041
02/07/08	2.913	2.878	2.836	2.894	3.026	3.459	3.971	4.231	4.112	3.877	3.703	3.563	3.413	3.358	3.259	3.232	3.257	3.515	3.841	3.838	3.797	3.677	3.394	3.073
02/08/08	3.017	2.972	2.956	3.011	3.191	3.496	4.070	4.401	4.253	4.029	3.831	3.590	3.445	3.358	3.212	3.172	3.245	3.451	3.790	3.767	3.672	3.641	3.378	3.206
02/09/08	2.906	2.815	2.818	2.850	2.925	3.093	3.368	3.655	3.756	3.562	3.378	3.244	3.106	3.008	2.955	2.993	3.209	3.521	3.807	3.621	3.507	3.437	3.178	2.963
02/10/08	2.851	2.790	2.768	2.813	2.873	3.029	3.240	3.499	3.593	3.554	3.457	3.310	3.185	3.046	2.959	2.905	2.985	3.228	3.527	3.590	3.531	3.420	3.178	2.911
02/11/08	2.654	2.590	2.604	2.639	2.806	3.161	3.698	3.961	3.860	3.722	3.589	3.430	3.333	3.294	3.196	3.203	3.207	3.395	3.706	3.712	3.681	3.533	3.218	2.908
02/12/08	2.772	2.731	2.684	2.730	2.853	3.263	3.759	4.000	3.899	3.710	3.571	3.459	3.337	3.295	3.211	3.192	3.213	3.425	3.712	3.717	3.671	3.543	3.265	2.950
02/13/08	2.675	2.628	2.579	2.615	2.731	3.117	3.598	3.825	3.740	3.582	3.476	3.386	3.282	3.250	3.178	3.160	3.179	3.361	3.620	3.631	3.581	3.450	3.172	2.862
02/14/08	2.663	2.614	2.564	2.602	2.716	3.100	3.579	3.805	3.725	3.565	3.462	3.376	3.275	3.245	3.174	3.154	3.167	3.349	3.608	3.621	3.570	3.441	3.161	2.851
02/15/08	2.642	2.583	2.565	2.594	2.702	3.117	3.598	3.825	3.740	3.582	3.476	3.386	3.282	3.250	3.178	3.160	3.179	3.361	3.620	3.631	3.581	3.450	3.172	2.862
02/16/08	2.669	2.572	2.557	2.570	2.621	2.770	2.966	3.227	3.339	3.359	3.301	3.196	3.112	3.010	2.939	2.901								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/08	2.576	2.514	2.481	2.522	2.580	2.781	3.107	3.309	3.342	3.280	3.194	3.076	3.033	2.950	2.874	2.874	2.914	3.140	3.354	3.314	3.211	3.142	2.969	2.726
03/02/08	2.557	2.528	2.502	2.528	2.576	2.722	2.925	3.116	3.202	3.148	3.047	2.919	2.821	2.754	2.675	2.631	2.687	2.860	3.160	3.167	3.130	2.985	2.784	2.563
03/03/08	2.417	2.365	2.362	2.398	2.499	2.782	3.268	3.447	3.396	3.284	3.244	3.109	3.057	3.090	3.057	3.041	3.055	3.159	3.308	3.342	3.268	3.143	2.880	2.610
03/04/08	2.542	2.493	2.464	2.511	2.595	2.886	3.318	3.520	3.464	3.345	3.255	3.187	3.118	3.082	3.062	3.021	3.042	3.150	3.340	3.380	3.318	3.184	2.949	2.684
03/05/08	2.514	2.470	2.425	2.451	2.544	2.862	3.264	3.450	3.390	3.277	3.203	3.139	3.062	3.040	2.985	2.971	2.985	3.124	3.332	3.346	3.299	3.184	2.945	2.680
03/06/08	2.550	2.507	2.463	2.495	2.592	2.920	3.331	3.524	3.458	3.325	3.241	3.169	3.085	3.060	3.001	2.983	2.994	3.147	3.367	3.380	3.335	3.223	2.981	2.714
03/07/08	2.512	2.459	2.442	2.464	2.591	2.837	3.283	3.468	3.396	3.298	3.229	3.158	3.072	3.046	2.969	2.947	2.970	3.018	3.209	3.243	3.161	3.108	2.938	2.718
03/08/08	2.617	2.536	2.526	2.542	2.591	2.726	2.932	3.143	3.234	3.233	3.166	3.088	2.976	2.880	2.814	2.778	2.810	2.951	3.177	3.195	3.134	3.039	2.928	2.700
03/09/08	2.705	2.651	2.632	2.669	2.719	2.852	3.033	3.252	3.332	3.300	3.219	3.098	2.994	2.877	2.804	2.758	2.826	3.032	3.285	3.340	3.289	3.195	2.986	2.759
03/10/08	2.592	2.567	2.610	2.671	2.846	3.184	3.680	3.939	3.837	3.723	3.573	3.429	3.322	3.274	3.174	3.166	3.155	3.358	3.549	3.507	3.366	3.078	2.795	2.727
03/11/08	2.552	2.522	2.478	2.509	2.608	2.940	3.354	3.548	3.477	3.346	3.255	3.179	3.093	3.066	3.005	2.991	3.006	3.159	3.381	3.391	3.348	3.233	2.994	2.727
03/12/08	2.550	2.508	2.465	2.494	2.591	2.919	3.329	3.521	3.453	3.326	3.242	3.169	3.085	3.059	3.000	2.985	3.001	3.150	3.368	3.379	3.334	3.220	2.981	2.714
03/13/08	2.538	2.494	2.449	2.480	2.576	2.901	3.409	3.500	3.437	3.308	3.228	3.146	3.054	2.996	2.926	2.914	2.908	3.139	3.355	3.369	3.323	3.210	2.969	2.703
03/14/08	2.695	2.649	2.633	2.681	2.774	3.059	3.499	3.668	3.604	3.403	3.264	3.146	3.034	2.968	2.914	2.908	2.914	3.034	3.248	3.252	3.230	3.198	3.058	2.814
03/15/08	2.576	2.514	2.481	2.522	2.580	2.781	3.107	3.309	3.342	3.280	3.194	3.076	3.033	2.950	2.874	2.874	2.914	3.140	3.354	3.354	3.211	3.142	2.969	2.726
03/16/08	2.557	2.528	2.502	2.528	2.576	2.722	2.925	3.116	3.202	3.148	3.047	2.919	2.821	2.754	2.675	2.631	2.687	2.860	3.160	3.167	3.130	2.985	2.784	2.563
03/17/08	2.417	2.365	2.362	2.398	2.499	2.782	3.268	3.447	3.396	3.284	3.244	3.109	3.057	3.090	3.057	3.041	3.055	3.159	3.308	3.342	3.268	3.143	2.880	2.610
03/18/08	2.542	2.493	2.464	2.511	2.595	2.886	3.318	3.520	3.464	3.345	3.255	3.187	3.118	3.082	3.062	3.021	3.042	3.150	3.340	3.380	3.318	3.180	2.949	2.684
03/19/08	2.382	2.300	2.283	2.308	2.405	2.671	3.059	3.223	3.178	3.118	3.102	3.079	3.057	3.037	3.035	3.040	3.026	3.074	3.233	3.271	3.175	3.042	2.781	2.516
03/20/08	2.695	2.649	2.633	2.681	2.774	3.059	3.499	3.668	3.604	3.403	3.264	3.146	3.034	2.968	2.914	2.908	2.914	3.034	3.248	3.252	3.230	3.198	3.058	2.814
03/21/08	2.312	2.312	2.280	2.291	2.322	2.470	2.655	2.805	2.915	2.941	2.903	2.812	2.751	2.655	2.614	2.602	2.618	2.715	2.888	2.970	2.883	2.790	2.631	2.454
03/22/08	2.337	2.288	2.238	2.259	2.377	2.624	3.007	3.153	3.175	3.157	3.162	3.132	3.127	3.132	3.141	3.142	3.142	3.203	3.291	3.334	3.248	3.113	2.835	2.548
03/23/08	2.402	2.317	2.295	2.315	2.410	2.669	3.049	3.218	3.183	3.141	3.133	3.118	3.103	3.091	3.096	3.110	3.102	3.136	3.277	3.310	3.215	3.075	2.811	2.539
03/24/08	2.445	2.351	2.323	2.337	2.427	2.670	3.035	3.215	3.202	3.182	3.196	3.199	3.199	3.200	3.220	3.244	3.241	3.256	3.366	3.390	3.295	3.148	2.869	2.587
03/25/08	2.411	2.322	2.300	2.321	2.415	2.670	3.048	3.220	3.190	3.146	3.144	3.120	3.120	3.120	3.120	3.120	3.122	3.156	3.293	3.326	3.230	3.091	2.821	2.548
03/26/08	2.557	2.477	2.450	2.435	2.476	2.667	3.034	3.223	3.278	3.300	3.339	3.403	3.410	3.466	3.506	3.514	3.529	3.490	3.462	3.448	3.358	3.220	2.972	2.735
03/27/08	2.464	2.396	2.339	2.334	2.344	2.467	2.620	2.777	2.925	3.004	2.998	2.956	2.955	2.955	2.955	2.981	3.001	3.046	3.141	3.196	3.103	2.980	2.788	2.577
03/28/08	2.428	2.355	2.303	2.301	2.402	2.628	2.992	3.160	3.228	3.257	3.307	3.311	3.363	3.398	3.439	3.475	3.480	3.502	3.573	3.585	3.490	3.331	3.036	2.739
03/29/08	2.440	2.349	2.278	2.290	2.402	2.628	2.992	3.160	3.228	3.257	3.307	3.311	3.363	3.398	3.439	3.475	3.480	3.502	3.573	3.585	3.490	3.331	3.036	2.739
03/30/08	2.440	2.349	2.278	2.290	2.402	2.628	2.992	3.160	3.228	3.257	3.307	3.311	3.363	3.398	3.439	3.475	3.480	3.502	3.573	3.585	3.490	3.331	3.036	2.739
03/31/08	2.440	2.349	2.278	2.290	2.402	2.628	2.992	3.160	3.228	3.257	3.307	3.311	3.363	3.398	3.439	3.475	3.480	3.502	3.573	3.585	3.490	3.331	3.036	2.739
04/01/08	2.588	2.481	2.443	2.452	2.537	2.768	3.118	3.313	3.328	3.333	3.368	3.368	3.409	3.427	3.464	3.502	3.501	3.495	3.573	3.585	3.490	3.331	3.036	2.739
04/02/08	2.633	2.517	2.474	2.474	2.558	2.776	3.113	3.318	3.353	3.376	3.431	3.471	3.501	3.531	3.580	3.627	3.631	3.609	3.661	3.664	3.568	3.403	3.095	2.788
04/03/08	2.530	2.434	2.406	2.423	2.515	2.762	3.133	3.314	3.301	3.271	3.283	3.284	3.283	3.283	3.283	3.301	3.322	3.334	3.452	3.478	3.382	3.236	2.955	2.672
04/04/08	2.496	2.438	2.428	2.433	2.497	2.735	3.139	3.301	3.293	3.253	3.235	3.234	3.194	3.201	3.196	3.180	3.183	3.193	3.260	3.282	3.200	3.097	2.889	2.675
04/05/08	2.360	2.260	2.242	2.263	2.405	2.569	2.776	2.923	3.013	3.009	2.936	2.809	2.713	2.584	2.519	2.485	2.498	2.627	2.848	2.944	2.859	2.782	2.642	2.482
04/06/08	2.425	2.372	2.341	2.355	2.378	2.486	2.625	2.751	2.838	2.866	2.831	2.770	2.718	2.649	2.588	2.587	2.598	2.720	2.941	3.086	3.024	2.890	2.691	2.449
04/07/08	2.507	2.444	2.443	2.465	2.586	2.863	3.280	3.468	3.413	3.357	3.294	3.201	3.149	3.066	3.071	3.071	3.133	3.317	3.566	3.570	3.531	3.419	3.176	2.902
04/08/08	2.747	2.710	2.670	2.709	2.816	3.172	3.605	3.814	3.726	3.563	3.443	3.346	3.240	3.204	3.132	3.115	3.133	3.317	3.566	3.570	3.531	3.419	3.176	2.902
04/09/08	2.425	2.372	2.341	2.355	2.378	2.486	2.625	2.751	2.838	2.866	2.831	2.770	2.718	2.649	2.588	2.587	2.598	2.720	2.941	3.086	3.024	2.890	2.691	2.449
04/10/08	2.552	2.503	2.455	2.479	2.566	2.869	3.260	3.439	3.395	3.297	3.239	3.187	3.120	3.104	3.053	3.038	3.047	3.175	3.375	3.393	3.342	3.226	2.984	2.720
04/11/08	2.461	2.409	2.404	2.413	2.483	2.734	3.147	3.303	3.278	3.222	3.189	3.172	3.120	3.115	3.097	3.075	3.075	3.098	3.191	3.222	3.141	3.048	2.850	2.643
04/12/08	2.647	2.618	2.592	2.619	2.666	2.814	3.019	3.211	3.297	3.243	3.141	3.013	2.914	2.846	2.766	2.722	2.779	2.953	3.256	3.263	3.225	3.079	2.876	2.653
04/13/08	2.436	2.394	2.336	2.354	2.472	2.714	3.093	3.248	3.285	3.284	3.304	3.279	3.302	3.311	3.328	3.346	3.349	3.397	3.462	3.499	3.411	3.268	2.977	2.678
04/14/08	2.633	2.582	2.554	2.601	2.686	2.979	3.414	3.619	3.562	3.442	3.351	3.283	3.213	3.177	3.156	3.115	3.136	3.245	3.437	3.477	3.415	3.276	3.043	2.775
04/15/08	2.566	2.466	2.432	2.442	2.529	2.765	3.121	3.311	3.316	3.311	3.339	3.356	3.367	3.378	3.409	3.442	3.441	3.532	3.549	3.453	3.299	3.008	2.716	2.482
04/16/08	2.508	2.508	2.488	2.482	2.533	2.745	3.128	3.307	3.334	3.331	3.345	3.381	3.368	3.368	3.404	3.425</								

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
05/01/08	3.095	2.905	2.818	2.802	3.054	3.363	3.666	3.822	3.947	4.114	4.256	4.362	4.460	4.581	4.686	4.697	4.596	4.535	4.474	4.350	4.126	3.708	3.306	3.306	
05/02/08	3.165	3.034	2.975	2.924	2.871	3.441	3.721	3.906	4.047	4.200	4.406	4.490	4.641	4.761	4.810	4.852	4.743	4.557	4.458	4.328	4.111	3.742	3.432	3.432	
05/03/08	2.830	2.728	2.631	2.607	2.990	2.844	3.036	3.253	3.412	3.524	3.561	3.632	3.645	3.693	3.764	3.791	3.783	3.800	3.829	3.708	3.533	3.271	2.991	2.991	
05/04/08	2.846	2.728	2.633	2.606	2.677	2.609	2.853	3.062	3.256	3.392	3.483	3.519	3.629	3.709	3.776	3.883	3.909	3.946	3.993	3.920	3.680	3.354	2.986	2.986	
05/05/08	2.743	2.667	2.554	2.554	2.677	2.903	3.295	3.518	3.755	3.872	3.930	4.048	4.136	4.226	4.302	4.313	4.293	4.226	4.215	4.105	3.904	3.506	3.109	2.898	
05/06/08	2.726	2.601	2.556	2.564	2.659	2.917	3.310	3.534	3.559	3.571	3.616	3.649	3.674	3.699	3.744	3.792	3.778	3.858	3.869	3.761	3.578	3.239	2.898	2.898	
05/07/08	2.710	2.588	2.547	2.556	2.653	2.914	3.311	3.532	3.548	3.552	3.593	3.630	3.639	3.659	3.700	3.742	3.736	3.825	3.839	3.731	3.552	3.216	2.879	2.879	
05/08/08	2.708	2.586	2.544	2.556	2.653	2.915	3.314	3.535	3.549	3.590	3.617	3.636	3.655	3.696	3.735	3.730	3.728	3.821	3.837	3.728	3.552	3.214	2.878	2.878	
05/09/08	2.691	2.611	2.590	2.584	2.643	2.886	3.324	3.524	3.544	3.557	3.594	3.614	3.631	3.651	3.681	3.641	3.623	3.642	3.646	3.549	3.410	3.150	2.892	2.892	
05/10/08	2.576	2.517	2.474	2.483	2.512	2.675	2.879	3.052	3.187	3.230	3.203	3.114	3.059	2.963	2.926	2.942	3.040	3.217	3.305	3.204	3.090	2.900	2.688	2.688	
05/11/08	2.571	2.500	2.453	2.460	2.475	2.578	2.716	2.864	2.956	3.047	3.020	2.996	2.953	2.915	2.937	2.955	3.079	3.267	3.407	3.338	3.168	2.921	2.626	2.626	
05/12/08	2.738	2.663	2.550	2.551	2.674	2.902	3.294	3.486	3.659	3.865	3.922	4.038	4.125	4.214	4.289	4.300	4.281	4.216	4.206	4.096	3.896	3.499	3.103	3.103	
05/13/08	2.945	2.780	2.707	2.697	2.775	2.982	3.320	3.592	3.703	3.795	3.918	4.020	4.100	4.175	4.271	4.359	4.370	4.274	4.240	4.125	3.913	3.523	3.142	3.142	
05/14/08	2.972	2.802	2.728	2.715	2.791	2.993	3.324	3.603	3.721	3.820	3.953	4.063	4.147	4.226	4.327	4.418	4.349	4.281	4.281	4.164	3.951	3.555	3.171	3.171	
05/15/08	3.039	2.875	2.775	2.762	2.834	3.023	3.344	3.637	3.777	3.888	4.040	4.168	4.265	4.355	4.467	4.565	4.484	4.437	4.266	4.048	3.638	3.244	3.244	3.244	
05/16/08	3.067	2.944	2.890	2.846	2.858	3.013	3.395	3.660	3.819	3.937	4.067	4.243	4.447	4.553	4.594	4.631	4.532	4.374	4.295	4.172	3.966	3.615	3.312	3.312	
05/17/08	3.069	2.929	2.807	2.764	2.710	2.765	2.952	3.201	3.461	3.662	3.855	4.023	4.151	4.255	4.397	4.416	4.414	4.344	4.350	4.265	3.994	3.634	3.233	3.233	
05/18/08	3.090	2.988	2.818	2.797	2.915	3.093	3.452	3.713	3.955	4.132	4.333	4.461	4.658	4.796	4.939	5.055	5.069	5.007	4.830	4.753	4.623	4.398	3.943	3.943	
05/19/08	3.090	3.026	2.904	2.928	2.904	3.133	3.421	3.747	3.936	4.099	4.296	4.466	4.592	4.706	4.844	4.969	4.984	4.861	4.770	4.682	4.547	4.312	3.877	3.460	3.460
05/20/08	3.326	3.100	2.998	2.974	3.031	3.187	3.463	3.804	4.008	4.186	4.404	4.590	4.725	4.845	4.992	5.124	5.140	5.009	4.905	4.803	4.660	4.421	3.977	3.552	3.552
05/21/08	3.321	3.100	2.998	2.974	3.031	3.187	3.463	3.804	4.008	4.186	4.404	4.590	4.725	4.845	4.992	5.124	5.140	5.009	4.905	4.803	4.660	4.421	3.977	3.552	3.552
05/22/08	3.350	3.124	3.019	2.993	3.054	3.207	3.481	3.828	4.040	4.216	4.439	4.630	4.769	4.891	5.041	5.172	5.184	5.053	4.949	4.844	4.699	4.460	4.010	3.583	3.583
05/23/08	3.388	3.244	3.180	3.115	3.099	3.211	3.580	3.920	4.122	4.305	4.499	4.762	4.867	5.049	5.189	5.249	5.304	5.185	4.952	4.815	4.668	4.434	4.029	3.710	3.710
05/24/08	3.223	3.084	2.932	2.881	2.816	2.900	2.995	3.220	3.523	3.797	4.051	4.191	4.384	4.471	4.595	4.718	4.746	4.657	4.548	4.446	4.312	3.994	3.633	3.633	
05/25/08	3.229	3.133	2.991	2.937	2.865	2.856	2.897	3.098	3.373	3.679	3.923	4.156	4.361	4.513	4.633	4.796	4.803	4.781	4.672	4.652	4.554	4.263	3.883	3.459	3.459
05/26/08	3.224	3.066	2.938	2.884	2.816	2.856	2.897	3.098	3.373	3.679	3.923	4.156	4.361	4.513	4.633	4.796	4.803	4.781	4.672	4.652	4.554	4.263	3.883	3.459	3.459
05/27/08	3.855	3.536	3.394	3.343	3.383	3.490	3.697	4.105	4.365	4.590	4.870	5.110	5.268	5.381	5.542	5.693	5.682	5.557	5.465	5.322	5.165	4.907	4.502	4.082	4.082
05/28/08	3.887	3.582	3.437	3.384	3.422	3.523	3.723	4.137	4.399	4.626	4.912	5.157	5.309	5.424	5.585	5.735	5.736	5.613	5.522	5.376	5.216	5.001	4.502	4.082	4.082
05/29/08	3.840	3.539	3.397	3.348	3.387	3.492	3.699	4.109	4.371	4.588	4.870	5.112	5.265	5.382	5.543	5.690	5.674	5.555	5.465	5.324	5.167	4.953	4.505	4.086	4.086
05/30/08	3.707	3.537	3.458	3.362	3.305	3.370	3.727	4.057	4.320	4.472	4.742	5.056	5.153	5.347	5.485	5.533	5.590	5.508	5.273	5.125	4.994	4.780	4.373	4.089	4.089
05/31/08	3.242	3.102	2.948	2.866	2.828	2.912	3.027	3.233	3.539	3.817	4.076	4.219	4.416	4.505	4.632	4.756	4.784	4.692	4.579	4.520	4.373	4.152	3.823	3.485	3.485
06/01/08	3.466	3.308	3.161	3.105	3.026	3.014	3.051	3.254	3.532	3.850	4.103	4.344	4.557	4.712	4.833	4.998	4.997	4.852	4.825	4.721	4.430	4.053	3.631	3.631	
06/02/08	3.281	3.175	2.993	2.967	3.083	3.244	3.586	3.848	4.109	4.299	4.515	4.653	4.864	5.004	5.154	5.273	5.286	5.222	5.028	4.934	4.802	4.580	4.124	3.674	3.674
06/03/08	3.400	3.183	3.081	3.054	3.114	3.265	3.532	3.867	4.070	4.246	4.459	4.642	4.776	4.894	5.038	5.170	5.054	4.952	4.850	4.710	4.476	4.042	3.627	3.627	
06/04/08	3.375	3.161	3.062	3.035	3.095	3.248	3.517	3.848	4.045	4.217	4.426	4.606	4.737	4.852	4.994	5.122	5.138	5.011	4.911	4.813	4.675	4.443	4.011	3.598	3.598
06/05/08	3.257	3.058	2.967	2.946	3.011	3.176	3.462	3.774	3.949	4.092	4.276	4.434	4.551	4.657	4.787	4.900	4.912	4.800	4.721	4.645	4.517	4.293	3.873	3.471	3.471
06/06/08	3.203	3.078	3.022	2.974	2.980	3.120	3.487	3.755	3.927	4.058	4.210	4.392	4.470	4.613	4.725	4.771	4.701	4.707	4.533	4.443	4.318	4.111	3.756	3.456	3.456
06/07/08	3.003	2.891	2.781	2.748	2.719	2.818	2.938	3.133	3.370	3.558	3.709	3.778	3.885	3.923	3.995	4.081	4.110	4.075	4.049	4.058	3.931	3.745	3.470	3.179	3.179
06/08/08	2.762	2.671	2.604	2.594	2.589	2.654	2.755	2.909	3.192	3.256	3.346	3.346	3.346	3.381	3.444	3.468	3.468	3.354	3.326	3.326	3.241	3.062	2.860	2.860	
06/09/08	2.760	2.694	2.595	2.601	2.722	2.955	3.346	3.551	3.665	3.735	3.827	3.864	3.957	4.026	4.098	4.159	4.168	4.164	4.131	4.135	4.031	3.844	3.472	3.099	3.099
06/10/08	3.067	2.898	2.822	2.809	2.882	3.075	3.394	3.669	3.792	3.896	4.030	4.143	4.230	4.311	4.413	4.506	4.518	4.434	4.398	4.356	4.241	4.030	3.642	3.264	3.264
06/11/08	3.223	3.030	2.942	2.920	2.985	3.155	3.445	3.750	3.914	4.056	4.233	4.383	4.495	4.596	4.722	4.834	4.850	4.740	4.665	4.594	4.468	4.245	3.831	3.434	3.434
06/12/08	3.258	3.059	2.967	2.947	3.011	3.176	3.462	3.774	3.949	4.092	4.277	4.435	4.552	4.658	4.788	4.901	4.912	4.801	4.722	4.646	4.518	4.294	3.873	3.472	3.472
06/13/08	3.360	3.224	3.163	3.105	3.097	3.216	3.576	3.866	4.075	4.238	4.412	4.646	4.742	4.908	5.038	5.093	5.141	5.027	4.817	4.698	4.562	4.340	3.958	3.651	3.651
06/14/08	3.212	3.082	2.943	2.897	2.847	2.926	3.024	3.237	3.517	3.767	3.991	4.114	4.284	4.471	4.584	4.612	4.645	4.536	4.445	4.420	4.269	4.060	3.751	3.431	3.431
06/15/08	3.251	3.106	2.977	2.929	2.867	2.963	3.095	3.295	3.352	3.631	3.850	4.060	4.245	4.384	4.495	4.645	4.658	4.645	4.554</						

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
07/01/08	3.978	3.724	3.611	3.580	3.629	3.735	3.927	4.307	4.555	4.771	5.036	5.267	5.417	5.534	5.691	5.840	5.842	5.702	5.591	5.431	5.259	5.037	4.614	4.213
07/02/08	4.059	3.789	3.675	3.644	3.693	3.795	3.979	4.371	4.624	4.844	5.120	5.358	5.509	5.624	5.784	5.935	5.936	5.794	5.683	5.516	5.337	5.116	4.690	4.288
07/03/08	4.080	3.822	3.707	3.678	3.728	3.828	4.010	4.408	4.667	4.884	5.163	5.405	5.558	5.673	5.834	5.983	5.979	5.839	5.731	5.561	5.379	5.160	4.731	4.328
07/04/08	4.252	4.140	3.956	3.934	3.810	3.790	3.850	4.035	4.381	4.722	5.042	5.457	5.693	5.760	5.962	6.138	6.128	6.011	5.772	5.688	5.444	5.247	4.997	4.705
07/05/08	4.278	4.148	3.936	3.883	3.737	3.843	3.913	4.152	4.500	4.845	5.203	5.363	5.652	5.719	5.865	6.012	6.013	5.866	5.704	5.645	5.412	5.231	4.892	4.564
07/06/08	4.180	4.025	3.850	3.799	3.684	3.676	3.711	3.932	4.218	4.584	4.866	5.128	5.365	5.513	5.715	5.800	5.745	5.575	5.433	5.353	5.136	4.766	4.327	4.024
07/07/08	4.228	4.124	3.847	3.801	3.946	4.038	4.319	4.581	4.939	5.167	5.457	5.620	5.994	6.012	6.174	6.298	6.291	6.262	5.998	5.843	5.700	5.528	5.072	4.611
07/08/08	4.634	4.312	4.183	4.152	4.208	4.280	4.402	4.882	5.186	5.444	5.769	6.056	6.212	6.307	6.487	6.659	6.641	6.463	6.349	6.148	5.938	5.721	5.286	4.881
07/09/08	4.764	4.428	4.296	4.265	4.322	4.382	4.484	4.987	5.302	5.570	5.908	6.207	6.363	6.452	6.640	6.796	6.796	6.603	6.479	6.278	6.065	5.850	5.412	5.008
07/10/08	5.040	4.664	4.515	4.478	4.531	4.556	4.600	5.147	5.494	5.777	6.133	6.454	6.607	6.681	6.884	7.064	7.048	6.820	6.673	6.492	6.295	6.093	5.662	5.271
07/11/08	4.831	4.694	4.679	4.575	4.458	4.427	4.760	5.125	5.415	5.627	5.890	6.319	6.375	6.603	6.769	6.920	6.800	6.640	6.440	6.249	6.101	5.848	5.420	5.170
07/12/08	4.206	4.075	3.869	3.816	3.677	3.779	3.850	4.088	4.433	4.775	5.126	5.288	5.570	5.640	5.786	5.929	5.931	5.791	5.633	5.570	5.342	5.157	4.820	4.494
07/13/08	4.072	3.917	3.748	3.695	3.587	3.577	3.613	3.827	4.109	4.464	4.739	4.995	5.225	5.372	5.476	5.653	5.608	5.578	5.443	5.417	5.297	5.006	4.641	4.215
07/14/08	4.125	4.019	3.757	3.711	3.848	3.944	4.228	4.488	4.834	5.058	5.337	5.499	5.763	5.883	6.043	6.165	6.162	6.128	5.876	5.722	5.579	5.400	4.942	4.602
07/15/08	4.355	4.063	3.940	3.910	3.962	4.050	4.207	4.644	4.922	5.163	5.464	5.728	5.884	6.159	6.321	6.311	6.156	6.048	5.858	5.658	5.438	5.007	4.602	4.258
07/16/08	4.145	3.874	3.758	3.726	3.776	3.874	4.050	4.455	4.716	4.943	5.228	5.475	5.628	5.740	5.903	6.057	6.055	5.910	5.800	5.625	5.438	5.218	4.789	4.386
07/17/08	4.264	3.979	3.860	3.831	3.882	3.974	4.140	4.564	4.837	5.065	5.361	5.618	5.773	5.883	6.049	6.204	6.194	6.048	5.942	5.758	5.564	5.345	4.912	4.508
07/18/08	3.954	3.817	3.765	3.690	3.646	3.707	4.040	4.356	4.615	4.816	5.035	5.348	5.447	5.539	5.778	5.833	5.905	5.805	5.557	5.384	5.231	5.009	4.609	4.331
07/19/08	3.897	3.763	3.582	3.528	3.420	3.504	3.578	3.808	4.135	4.454	4.774	4.937	5.188	5.271	5.414	5.544	5.556	5.437	5.291	5.223	5.020	4.823	4.497	4.178
07/20/08	3.967	3.813	3.650	3.596	3.493	3.483	3.519	3.727	4.004	4.348	4.616	4.867	5.091	5.238	5.344	5.515	5.479	5.449	5.318	5.288	5.171	4.886	4.526	4.109
07/21/08	4.120	4.014	3.752	3.707	3.843	3.939	4.223	4.483	4.829	5.053	5.332	5.493	5.756	5.877	6.036	6.159	6.156	6.122	5.870	5.716	5.573	5.394	4.942	4.486
07/22/08	3.710	3.485	3.381	3.352	3.402	3.521	3.737	4.077	4.296	4.488	4.719	4.920	5.060	5.176	5.323	5.458	5.468	5.336	5.227	5.099	4.952	4.732	4.322	3.931
07/23/08	3.906	3.660	3.551	3.519	3.568	3.676	3.874	4.244	4.484	4.693	4.953	5.177	5.324	5.441	5.597	5.742	5.747	5.609	5.497	5.345	5.178	4.958	4.536	4.138
07/24/08	3.636	3.419	3.319	3.293	3.344	3.466	3.689	4.019	4.230	4.406	4.629	4.821	4.956	5.071	5.213	5.340	5.348	5.224	5.120	5.004	4.862	4.647	4.239	3.852
07/25/08	3.558	3.428	3.275	3.225	3.148	3.221	3.298	3.510	3.803	4.080	4.346	4.493	4.699	4.785	4.913	5.032	5.053	4.956	4.833	4.780	4.613	4.414	4.108	3.800
07/26/08	3.748	3.598	3.449	3.395	3.309	3.295	3.329	3.524	3.790	4.109	4.361	4.598	4.809	4.955	5.065	5.225	5.208	5.178	5.056	5.024	4.918	4.643	4.291	3.893
07/27/08	3.723	3.616	3.407	3.369	3.484	3.601	3.895	4.147	4.442	4.647	4.886	5.036	5.266	5.395	5.547	5.665	5.672	5.620	5.403	5.273	5.138	4.942	4.506	4.072
07/28/08	4.154	3.882	3.765	3.734	3.784	3.882	4.058	4.464	4.727	4.955	5.239	5.485	5.639	5.752	5.915	6.070	6.067	5.921	5.812	5.635	5.449	5.228	4.800	4.396
07/29/08	4.364	4.071	3.949	3.918	3.970	4.053	4.212	4.650	4.929	5.169	5.439	5.694	5.964	6.169	6.330	6.321	6.166	6.166	6.057	5.866	5.666	5.447	5.015	4.610
07/30/08	4.334	4.042	3.921	3.892	3.944	4.033	4.191	4.626	4.905	5.137	5.439	5.702	5.858	5.964	6.133	6.278	6.128	6.128	6.022	5.834	5.636	5.418	4.984	4.579
08/01/08	4.157	4.011	3.961	3.877	3.820	3.874	4.230	4.577	4.860	5.079	5.320	5.673	5.773	5.982	6.132	6.187	6.271	6.169	5.894	5.701	5.536	5.297	4.865	4.574
08/02/08	4.222	4.082	3.869	3.812	3.672	3.776	3.852	4.104	4.466	4.824	5.191	5.363	5.656	5.733	5.888	6.035	6.040	5.897	5.732	5.663	5.425	5.227	4.828	4.528
08/03/08	4.182	4.018	3.837	3.781	3.655	3.655	3.693	3.922	4.222	4.602	4.896	5.169	5.415	5.572	5.681	5.871	5.820	5.788	5.643	5.617	5.490	5.180	4.791	4.355
08/04/08	4.016	3.902	3.649	3.603	3.527	3.846	4.151	4.424	4.769	4.999	5.276	5.443	5.707	5.840	6.005	6.133	6.135	6.090	5.840	5.684	5.535	5.336	4.863	4.390
08/05/08	4.434	4.125	3.996	3.963	4.018	4.113	4.279	4.741	5.035	5.289	5.608	5.886	6.052	6.164	6.343	6.514	6.504	6.340	6.226	6.025	5.814	5.524	4.695	4.244
08/06/08	4.475	4.162	4.033	3.999	4.055	4.146	4.307	4.776	5.072	5.328	5.653	5.936	6.100	6.210	6.391	6.562	6.552	6.386	6.271	6.068	5.855	5.623	5.164	4.735
08/07/08	4.513	4.194	4.064	4.033	4.089	4.179	4.337	4.812	5.114	5.366	5.694	5.980	6.145	6.255	6.436	6.607	6.591	6.426	6.313	6.109	5.894	5.664	5.203	4.774
08/08/08	4.457	4.311	4.273	4.180	4.100	4.127	4.489	4.854	5.151	5.375	5.632	6.025	6.211	6.332	6.488	6.633	6.635	6.533	6.231	6.025	5.856	5.610	5.165	4.884
08/09/08	4.198	4.058	3.847	3.790	3.652	3.755	3.831	4.083	4.444	4.800	5.165	5.337	5.628	5.705	5.861	6.007	6.013	5.871	5.707	5.637	5.401	5.202	4.848	4.504
08/10/08	4.884	4.725	4.492	4.457	4.264	4.243	4.212	4.486	4.828	5.285	5.635	6.004	6.330	6.540	6.689	7.001	6.912	6.869	6.599	6.677	6.617	6.245	5.789	5.183
08/11/08	4.752	4.665	4.275	4.223	4.418	4.497	4.769	5.046	5.469	5.724	6.091	6.269	6.613	6.737	6.923	7.064	7.056	7.042	6.679	6.580	6.466	6.337	5.851	5.353
08/12/08	4.422	4.114	3.985	3.953	4.008	4.103	4.270	4.730	5.024	5.277	5.595	5.872	6.037	6.190	6.328	6.499	6.490	6.327	6.213	6.012	5.802	5.569	5.112	4.683
08/13/08	4.688	4.352	4.218	4.185	4.243	4.322	4.457	4.959	5.274	5.544	5.886	6.186	6.351	6.453	6.642	6.821	6.805	6.622	6.502	6.291	6.069	5.839	5.378	4.949
08/14/08	4.528	4.208	4.077	4.046	4.102	4.191	4.347	4.824	5.128	5.381	5.710	5.998	6.163	6.272	6.454	6.624	6.608	6.442	6.330	6.125	5.909	5.679	5.218	4.789
08/15/08	4.416	4.270	4.138	4.062	4.093	4.179	4.345	4.817	5.113	5.336	5.591	5.980	6.068	6.287	6.442	6.688	6.588	6.486	6.189	5.984	5.815	5.570	5.127	4.844
08/16/08	4.305	4.167	3.947	3.891	3.742	3.851	3.926	4.179	4.545	4.908	5.282	5.453	5.754	5.827	5.982	6.134	6.136	5.986	5.817	5.752	5.509	5.314	4.956	4.610
08/17/08	4.180	4.016	3.834	3.779	3.663	3.652	3.690	3.919	4.219	4.599	4.893	5.166	5.412	5.568	5.678	5.868</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
09/01/08	3.270	3.125	2.971	2.928	2.853	2.846	2.901	3.097	3.425	3.787	4.038	4.321	4.509	4.604	4.785	4.952	5.028	4.981	4.802	4.629	4.389	4.025	3.654	
09/02/08	3.594	3.333	3.215	3.181	3.235	3.360	3.587	3.979	4.234	4.457	4.729	4.964	5.124	5.253	5.420	5.576	5.583	5.434	5.156	4.982	4.739	4.280	3.845	
09/03/08	3.831	3.545	3.421	3.386	3.440	3.553	3.758	4.186	4.463	4.704	5.005	5.266	5.492	5.559	5.735	5.900	5.902	5.746	5.623	5.441	5.246	5.003	4.534	4.092
09/04/08	3.548	3.291	3.175	3.144	3.198	3.324	3.555	3.942	4.194	4.405	4.672	4.904	5.061	5.191	5.356	5.505	5.510	5.367	5.247	5.098	4.928	4.688	4.229	3.795
09/05/08	3.715	3.564	3.507	3.425	3.378	3.447	3.813	4.159	4.442	4.662	4.900	5.241	5.350	5.560	5.713	5.774	5.851	5.741	5.570	5.281	5.115	4.870	4.432	4.125
09/06/08	3.990	3.845	3.621	3.562	3.413	3.523	3.602	3.648	4.242	4.462	4.681	5.001	5.179	5.487	5.565	5.726	5.885	5.733	5.490	5.240	5.036	4.666	4.207	
09/07/08	3.605	3.438	3.268	3.208	3.107	3.092	3.130	3.350	3.648	4.009	4.294	4.561	4.799	4.961	5.234	5.201	5.063	5.027	4.905	4.598	4.208	3.763	3.429	
09/08/08	3.834	3.716	3.441	3.392	3.336	3.645	3.960	4.245	4.615	4.858	5.155	5.331	5.613	5.748	5.922	6.056	6.055	6.014	5.745	5.579	5.422	5.220	4.725	4.229
09/09/08	4.093	3.780	3.647	3.613	3.670	3.772	3.953	4.420	4.720	4.979	5.303	5.585	5.876	6.059	6.234	6.227	6.061	5.942	5.738	5.524	5.281	4.807	4.474	4.041
09/10/08	4.276	3.939	3.799	3.760	3.814	3.901	4.056	4.548	4.857	5.122	5.460	5.754	5.921	6.028	6.213	6.389	6.385	6.216	6.104	5.899	5.682	5.450	4.981	4.544
09/11/08	3.939	3.640	3.512	3.480	3.535	3.644	3.840	4.285	4.574	4.816	5.128	5.399	5.568	5.692	5.871	6.037	6.031	5.875	5.757	5.566	5.362	5.121	4.647	4.204
09/12/08	3.847	3.696	3.642	3.556	3.500	3.559	3.928	4.285	4.577	4.803	5.051	5.924	5.517	5.733	5.888	5.946	6.031	5.924	5.643	5.444	5.273	5.026	4.579	4.276
09/13/08	3.511	3.364	3.179	3.120	3.017	3.102	3.184	3.430	3.774	4.108	4.438	4.612	4.869	4.964	5.117	5.254	5.273	5.152	4.999	4.929	4.722	4.503	4.152	3.805
09/14/08	3.604	3.437	3.268	3.208	3.169	3.092	3.130	3.350	3.648	4.009	4.294	4.561	4.799	4.961	5.234	5.201	5.062	4.903	4.626	4.449	4.272	4.043	3.703	3.410
09/15/08	3.761	3.642	3.377	3.329	3.467	3.581	3.898	4.182	4.542	4.782	5.073	5.247	5.523	5.660	5.832	5.965	5.967	5.921	5.659	5.496	5.340	5.135	4.643	4.150
09/16/08	3.934	3.509	3.309	3.475	3.529	3.639	3.835	4.278	4.565	4.814	5.124	5.393	5.562	5.687	5.865	6.035	6.032	5.872	5.752	5.560	5.358	5.114	4.643	4.199
09/17/08	3.732	3.455	3.333	3.301	3.355	3.472	3.687	4.101	4.372	4.599	4.890	5.141	5.305	5.434	5.607	5.765	5.765	5.616	5.495	5.324	5.138	4.896	4.429	3.989
09/18/08	3.732	3.455	3.333	3.301	3.355	3.472	3.687	4.101	4.372	4.599	4.890	5.141	5.305	5.434	5.607	5.765	5.765	5.616	5.495	5.324	5.138	4.896	4.429	3.989
09/19/08	3.732	3.455	3.333	3.301	3.355	3.472	3.687	4.101	4.372	4.599	4.890	5.141	5.305	5.434	5.607	5.765	5.765	5.616	5.495	5.324	5.138	4.896	4.429	3.989
09/20/08	3.536	3.390	3.202	3.143	3.037	3.123	3.205	3.452	3.799	4.136	4.469	4.645	4.904	4.999	5.154	5.291	5.309	5.187	4.961	4.746	4.507	4.275	3.844	3.432
09/21/08	3.167	3.017	2.879	2.827	2.757	2.748	2.788	3.249	3.545	3.782	4.007	4.206	4.462	4.600	4.853	4.969	4.982	4.845	4.598	4.449	4.377	4.096	3.729	3.320
09/22/08	3.412	3.296	3.075	3.036	3.160	3.293	3.620	3.985	4.208	4.428	4.683	4.845	5.090	5.234	5.398	5.527	5.537	5.476	5.244	5.109	4.964	4.746	4.270	3.797
09/23/08	3.207	2.992	2.891	2.865	2.924	3.075	3.341	3.672	3.873	4.048	4.258	4.439	4.572	4.689	4.831	4.961	4.976	4.847	4.746	4.646	4.507	4.275	3.844	3.432
09/24/08	3.109	2.907	2.814	2.790	2.852	3.011	3.290	3.605	3.785	3.941	4.133	4.297	4.418	4.527	4.660	4.779	4.796	4.677	4.589	4.505	4.375	4.148	3.728	3.325
09/25/08	3.531	3.276	3.160	3.129	3.184	3.350	3.543	3.927	4.177	4.387	4.652	4.931	5.038	5.167	5.331	5.480	5.542	5.423	5.223	5.076	4.908	4.668	4.210	3.775
09/26/08	3.252	3.113	3.051	2.988	2.974	3.083	3.440	3.738	3.962	4.136	4.323	4.575	4.676	4.850	4.986	5.044	5.096	4.981	4.757	4.626	4.485	4.259	3.868	3.560
09/27/08	2.866	2.750	2.653	2.597	2.561	2.655	2.768	2.966	3.212	3.415	3.585	3.668	3.790	3.840	3.922	4.016	4.044	3.997	3.954	3.954	3.822	3.631	3.348	3.051
09/28/08	3.155	3.005	2.869	2.817	2.748	2.740	2.779	2.973	3.239	3.533	3.767	4.188	4.450	4.606	4.614	4.594	4.489	4.471	4.377	4.377	4.279	4.096	3.729	3.320
09/29/08	2.841	2.751	2.606	2.592	2.586	2.662	2.895	3.493	3.695	3.841	4.010	4.113	4.280	4.401	4.524	4.625	4.639	4.588	4.449	4.397	4.279	4.067	3.644	3.225
09/30/08	2.823	2.665	2.595	2.586	2.662	2.865	3.193	3.455	3.599	3.645	3.760	3.857	3.932	4.002	4.093	4.177	4.187	4.116	4.100	4.069	3.959	3.755	3.380	3.013
10/01/08	2.736	2.584	2.510	2.508	2.584	2.784	3.106	3.360	3.456	3.535	3.646	3.738	3.960	4.039	4.050	3.944	3.836	3.640	3.375	3.275	3.191	2.919	2.519	2.198
10/02/08	2.735	2.582	2.516	2.510	2.585	2.784	3.108	3.362	3.461	3.533	3.644	3.736	3.806	3.872	3.959	4.034	4.041	3.978	3.970	3.943	3.836	3.640	3.274	2.918
10/03/08	2.778	2.620	2.552	2.542	2.614	2.778	3.147	3.383	3.505	3.589	3.688	3.823	3.872	3.979	4.063	4.121	4.041	3.926	3.871	3.762	3.581	3.269	2.971	2.619
10/04/08	2.707	2.603	2.502	2.473	2.449	2.549	2.671	2.838	3.078	3.249	3.357	3.527	3.556	3.617	3.693	3.722	3.697	3.687	3.687	3.687	3.582	3.307	3.147	2.871
10/05/08	2.677	2.564	2.473	2.446	2.417	2.445	2.511	2.675	2.875	3.062	3.196	3.321	3.430	3.509	3.575	3.679	3.703	3.733	3.730	3.771	3.702	3.473	3.162	2.812
10/06/08	2.788	2.698	2.553	2.539	2.651	2.831	3.178	3.416	3.618	3.766	3.935	4.028	4.208	4.452	4.553	4.566	4.514	4.432	4.318	4.201	3.993	3.577	3.165	2.812
10/07/08	3.124	2.914	2.815	2.789	2.847	2.994	3.254	3.567	3.759	3.926	4.131	4.306	4.434	4.546	4.685	4.809	4.825	4.701	4.603	4.507	4.373	4.166	3.746	3.344
10/08/08	3.109	2.901	2.805	2.778	2.836	2.984	3.245	3.567	3.759	3.926	4.131	4.306	4.434	4.546	4.685	4.809	4.825	4.701	4.603	4.507	4.373	4.166	3.746	3.344
10/09/08	3.230	3.026	2.942	2.934	3.008	3.166	3.435	3.792	4.023	4.218	4.459	4.670	4.825	4.963	5.128	5.276	5.305	5.138	4.994	4.844	4.663	4.395	3.925	3.477
10/10/08	3.176	3.040	2.979	2.918	2.903	3.009	3.357	3.650	3.869	4.042	4.225	4.474	4.745	4.877	4.934	4.877	4.934	4.877	4.877	4.877	4.877	4.877	4.877	4.877
10/11/08	3.034	2.902	2.757	2.708	2.645	2.724	2.813	3.027	3.315	3.577	3.821	3.956	4.177	4.324	4.444	4.461	4.487	4.401	4.295	4.258	4.101	3.893	3.582	3.263
10/12/08	3.139	2.989	2.850	2.798	2.725	2.714	2.752	2.945	3.210	3.479	3.749	3.976	4.177	4.444	4.440	4.597	4.600	4.577	4.467	4.444	4.347	4.068	3.705	3.300
10/13/08	2.985	2.883	2.711	2.686	2.799	2.957	3.291	3.544	3.791	3.972	4.177	4.309	4.509	4.644	4.787	4.902	4.915	4.853	4.670	4.582	4.455	4.241	3.801	3.366
10/14/08	3.013	2.818	2.727	2.704	2.765	2.924	3.198	3.483	3.677	3.828	4.010	4.167	4.284	4.389	4.517	4.633	4.648	4.534	4.451	4.371	4.245	4.024	3.616	3.224
10/15/08	2.877	2.702	2.623	2.605	2.672	2.847	3.142	3.423	3.562	3.682	3.833	3.961	4.057	4.146	4.257	4.357	4.371	4.276	4.221	4.166	4.050	3.840	3.450	3.074
10/16/08	2.786	2.624	2.552	2.543	2.615	2.805	3.118	3.383	3.498	3.586	3.712	3.818	3.998	4.161	4.153	4.153	4.153	4.088	4.010	3.900	3.848	3.740	3.338	2.974
10/17/08	2.765	2.658	2.614	2.582	2.605	2.773	3.143	3.376	3.494	3.575	3.669	3.800	3.846	3.950	4.032	4.061	4.088	4.010						

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/08	2.377	2.342	2.324	2.346	2.390	2.560	2.774	2.926	3.017	3.011	2.933	2.800	2.699	2.564	2.495	2.459	2.472	2.607	2.837	2.937	2.849	2.772	2.629	2.466
11/02/08	2.401	2.350	2.320	2.337	2.363	2.479	2.627	2.755	2.840	2.861	2.816	2.742	2.679	2.599	2.529	2.521	2.532	2.674	2.904	2.937	2.849	2.772	2.629	2.466
11/03/08	2.368	2.335	2.295	2.322	2.448	2.717	3.126	3.263	3.259	3.213	3.191	3.125	3.106	3.076	3.059	3.051	3.049	3.137	3.273	3.329	3.240	3.113	2.844	2.563
11/04/08	2.475	2.387	2.366	2.387	2.486	2.757	3.153	3.327	3.288	3.242	3.231	3.213	3.196	3.181	3.185	3.198	3.189	3.227	3.377	3.412	3.313	3.169	2.896	2.616
11/05/08	2.510	2.419	2.392	2.407	2.502	2.757	3.139	3.323	3.305	3.279	3.290	3.289	3.286	3.284	3.302	3.325	3.321	3.340	3.461	3.488	3.389	3.238	2.951	2.661
11/06/08	2.515	2.414	2.387	2.405	2.501	2.758	3.142	3.326	3.308	3.273	3.281	3.279	3.275	3.282	3.300	3.323	3.325	3.340	3.461	3.488	3.389	3.238	2.951	2.661
11/07/08	2.528	2.461	2.446	2.445	2.504	2.735	3.139	3.315	3.325	3.304	3.302	3.322	3.295	3.318	3.327	3.318	3.325	3.319	3.358	3.370	3.283	3.165	2.939	2.711
11/08/08	2.431	2.383	2.350	2.363	2.395	2.550	2.744	2.899	3.011	3.036	2.994	2.897	2.831	2.729	2.685	2.671	2.687	2.790	2.973	3.059	2.969	2.874	2.711	2.528
11/09/08	2.438	2.433	2.338	2.347	2.364	2.463	2.595	2.727	2.831	2.879	2.865	2.795	2.744	2.700	2.713	2.728	2.848	3.034	3.169	3.106	2.958	2.741	2.479	2.296
11/10/08	2.511	2.454	2.372	2.381	2.495	2.721	3.092	3.275	3.363	3.410	3.478	3.498	3.568	3.619	3.673	3.720	3.727	3.737	3.731	3.744	3.650	3.482	3.148	2.811
11/11/08	2.545	2.442	2.408	2.421	2.512	2.760	3.132	3.332	3.332	3.331	3.333	3.344	3.351	3.360	3.387	3.418	3.415	3.422	3.523	3.523	3.445	3.288	2.993	2.696
11/12/08	2.633	2.512	2.467	2.470	2.552	2.774	3.119	3.323	3.323	3.323	3.323	3.344	3.353	3.366	3.418	3.448	3.415	3.422	3.627	3.627	3.559	3.429	3.110	2.793
11/13/08	2.585	2.473	2.434	2.444	2.531	2.766	3.125	3.328	3.348	3.348	3.348	3.368	3.388	3.455	3.495	3.531	3.528	3.523	3.602	3.615	3.517	3.355	3.046	2.740
11/14/08	2.220	2.179	2.115	2.140	2.158	2.309	2.574	2.783	2.844	2.956	2.897	3.027	3.011	2.999	2.958	2.928	3.020	3.105	3.190	3.070	2.932	2.741	2.515	2.234
11/15/08	2.659	2.595	2.525	2.604	2.664	2.872	3.211	3.420	3.454	3.454	3.454	3.474	3.500	3.566	3.618	3.668	3.672	3.646	3.697	3.698	3.599	3.429	3.110	2.793
11/16/08	2.402	2.350	2.321	2.337	2.363	2.478	2.626	2.755	2.839	2.861	2.817	2.744	2.682	2.603	2.533	2.526	2.536	2.678	2.907	3.062	2.997	2.864	2.665	2.420
11/17/08	2.369	2.335	2.295	2.322	2.448	2.717	3.125	3.263	3.260	3.213	3.191	3.126	3.108	3.077	3.061	3.053	3.051	3.139	3.274	3.330	3.242	3.114	2.845	2.563
11/18/08	2.459	2.376	2.357	2.380	2.481	2.757	3.159	3.329	3.329	3.329	3.329	3.344	3.353	3.366	3.418	3.448	3.415	3.422	3.627	3.627	3.559	3.429	3.110	2.793
11/19/08	2.459	2.376	2.357	2.380	2.481	2.757	3.159	3.329	3.329	3.329	3.329	3.344	3.353	3.366	3.418	3.448	3.415	3.422	3.627	3.627	3.559	3.429	3.110	2.793
11/20/08	2.626	2.573	2.544	2.594	2.682	2.983	3.431	3.642	3.585	3.455	3.364	3.295	3.223	3.186	3.165	3.119	3.138	3.183	3.345	3.452	3.431	3.290	3.047	2.772
11/21/08	2.783	2.735	2.719	2.769	2.865	3.162	3.617	3.793	3.726	3.518	3.374	3.252	3.136	3.066	3.011	3.005	3.011	3.136	3.358	3.455	3.431	3.290	3.047	2.772
11/22/08	2.600	2.512	2.493	2.500	2.540	2.665	2.854	3.049	3.160	3.000	3.168	3.090	3.026	2.942	2.884	2.852	2.883	3.014	3.218	3.231	3.164	3.059	2.902	2.703
11/23/08	2.640	2.610	2.583	2.610	2.660	2.812	3.022	3.220	3.309	3.253	3.148	3.016	2.914	2.845	2.762	2.716	2.775	2.955	3.266	3.273	3.235	3.085	2.876	2.646
11/24/08	2.495	2.441	2.438	2.475	2.579	2.873	3.378	3.564	3.510	3.395	3.353	3.264	3.213	3.159	3.142	3.157	3.157	3.265	3.420	3.455	3.378	3.249	2.975	2.695
11/25/08	2.778	2.743	2.702	2.745	2.838	3.231	3.681	3.901	3.805	3.627	3.493	3.386	3.270	3.229	3.150	3.133	3.153	3.352	3.618	3.620	3.581	3.467	3.217	2.934
11/26/08	2.966	2.909	2.840	2.864	2.954	3.327	3.763	3.973	3.866	3.649	3.480	3.346	3.203	3.159	3.073	3.064	3.113	3.396	3.732	3.734	3.717	3.631	3.391	3.115
11/27/08	2.887	2.835	2.814	2.863	2.921	3.069	3.269	3.516	3.606	3.462	3.316	3.194	3.056	2.974	2.918	2.918	3.000	3.232	3.514	3.569	3.520	3.420	3.196	2.948
11/28/08	2.887	2.835	2.814	2.863	2.920	3.066	3.269	3.511	3.604	3.462	3.316	3.194	3.056	2.974	2.918	2.918	3.000	3.232	3.514	3.569	3.520	3.420	3.196	2.948
11/29/08	2.904	2.823	2.827	2.859	2.929	3.080	3.332	3.597	3.690	3.634	3.499	3.324	3.197	3.068	2.976	2.926	2.961	3.168	3.455	3.432	3.369	3.281	3.139	2.949
11/30/08	2.693	2.632	2.609	2.640	2.685	2.826	3.090	3.196	3.276	3.255	3.193	3.093	2.983	2.902	2.836	2.826	2.857	3.052	3.291	3.351	3.293	3.201	2.990	2.763
12/01/08	2.746	2.683	2.697	2.731	2.895	3.243	3.768	4.028	3.928	3.792	3.660	3.503	3.408	3.369	3.272	3.279	3.283	3.468	3.774	3.779	3.749	3.605	3.297	2.993
12/02/08	2.932	2.895	2.852	2.903	3.028	3.442	3.937	4.183	4.072	3.866	3.709	3.584	3.449	3.400	3.310	3.289	3.314	3.544	3.845	3.844	3.803	3.681	3.407	3.096
12/03/08	3.074	3.044	3.004	3.066	3.199	3.634	4.190	4.404	4.280	4.031	3.842	3.690	3.529	3.467	3.362	3.334	3.362	3.639	3.978	3.968	3.932	3.818	3.539	3.222
12/04/08	3.026	2.987	2.979	3.036	3.215	3.521	4.142	4.404	4.280	4.031	3.842	3.690	3.529	3.467	3.362	3.334	3.362	3.639	3.978	3.968	3.932	3.818	3.539	3.222
12/05/08	3.114	3.086	3.047	3.117	3.222	3.651	4.146	4.383	4.256	4.000	3.795	3.629	3.457	3.402	3.296	3.283	3.339	3.672	4.056	4.047	4.031	3.940	3.672	3.364
12/06/08	3.171	3.080	3.091	3.130	3.245	3.678	4.355	4.599	4.478	4.161	3.857	3.645	3.491	3.335	3.224	3.162	3.203	3.478	3.803	3.740	3.672	3.578	3.423	3.217
12/07/08	3.111	3.063	3.042	3.106	3.176	3.347	3.573	3.854	3.943	3.896	3.793	3.640	3.515	3.371	3.288	3.223	3.319	3.598	3.900	3.951	3.889	3.778	3.515	3.228
12/08/08	3.052	2.987	2.964	3.056	3.213	3.612	4.184	4.429	4.391	4.096	3.959	3.983	3.979	3.886	3.742	3.642	4.013	4.384	4.589	4.572	4.551	4.405	3.955	3.653
12/09/08	3.205	3.154	3.080	3.117	3.222	3.651	4.146	4.383	4.256	4.000	3.795	3.629	3.457	3.402	3.296	3.283	3.339	3.672	4.056	4.047	4.031	3.940	3.672	3.364
12/10/08	2.918	2.881	2.839	2.887	3.012	3.422	3.915	4.159	4.050	3.847	3.696	3.574	3.442	3.394	3.305	3.284	3.309	3.535	3.831	3.832	3.790	3.668	3.393	3.083
12/11/08	3.114	3.086	3.047	3.117	3.222	3.651	4.146	4.383	4.256	4.000	3.795	3.629	3.457	3.402	3.296	3.283	3.339	3.672	4.056	4.047	4.031	3.940	3.672	3.364
12/12/08	2.967	2.925	2.916	2.969	3.144	3.448	4.013	4.303	4.175	3.977	3.811	3.599	3.480	3.406	3.278	3.237	3.289	3.439	3.746	3.741	3.647	3.605	3.423	3.176
12/13/08	3.049	2.961	2.966	3.002	3.080	3.245	3.523	3.815	3.918	3.854	3.702	3.507	3.364	3.221	3.119	3.063	3.101	3.335	3.651	3.619	3.551	3.456	3.302	3.095
12/14/08	2.897	2.835	2.813	2.855	2.910	3.061	3.264	3.510	3.599	3.564	3.475	3.340	3.224	3.094	3.012	2.960	3.036	3.267	3.552	3.556	3.556	3.450	3.216	2.959
12/15/08	2.725	2.662	2.675	2.708	2.869	3.214	3.735	3.989	3.892	3.762	3.637	3.486	3.395	3.359	3.265	3.271	3.274	3.454	3.754	3.762	3.730	3.586	3.278	2.975
12/16/08	2.843	2.802	2.756	2.799	2.919	3.137	3.801	4.035	3.938	3.757	3.625	3.518	3.401	3.361	3.263	3.263	3.283	3.486	3.763	3.768	3.723	3.598	3.325	3.018
12/17/08	2.787	2.743	2.697	2.735	2.850	3.234	3.709	3.935	3.847	3.683	3.571	3.449	3.326	3.244	3.163	3.163</								

# APS Own Load Hourly mW Forecast

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Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
01/01/09	2.921	2.853	2.828	2.869	2.923	3.079	3.285	3.529	3.622	3.583	3.499	3.370	3.255	3.126	3.046	2.992	3.064	3.299	3.587	3.655	3.594	3.493	3.255	2.996
01/02/09	2.951	2.902	2.891	2.935	3.108	3.416	3.987	4.259	4.137	3.957	3.815	3.622	3.522	3.462	3.343	3.307	3.348	3.465	3.755	3.770	3.675	3.628	3.437	3.182
01/03/09	2.962	2.869	2.864	2.889	2.954	3.118	3.376	3.642	3.743	3.716	3.609	3.458	3.345	3.221	3.136	3.089	3.127	3.310	3.597	3.608	3.538	3.432	3.265	3.043
01/04/09	2.977	2.914	2.891	2.933	2.991	3.146	3.356	3.609	3.702	3.666	3.574	3.434	3.315	3.181	3.096	3.043	3.122	3.360	3.658	3.719	3.649	3.549	3.389	3.042
01/05/09	3.015	2.945	2.977	3.020	3.208	3.575	4.149	4.456	4.345	4.165	3.987	3.738	3.643	3.511	3.455	3.475	3.498	3.742	4.098	4.069	4.044	3.889	3.755	3.260
01/06/09	3.081	3.047	3.004	3.060	3.193	3.652	4.149	4.410	4.288	4.058	3.879	3.736	3.584	3.427	3.404	3.427	3.404	3.633	3.691	4.018	3.973	3.849	3.566	3.243
01/07/09	3.175	3.146	3.106	3.168	3.305	3.757	4.281	4.552	4.419	4.167	3.968	3.808	3.638	3.573	3.464	3.437	3.472	3.758	4.108	4.097	4.058	3.940	3.654	3.326
01/08/09	3.422	3.388	3.322	3.376	3.502	3.975	4.523	4.780	4.633	4.344	4.123	3.932	3.737	3.675	3.553	3.526	3.580	3.948	4.349	4.325	4.305	4.216	3.921	3.592
01/09/09	3.306	3.268	3.260	3.327	3.526	3.841	4.423	4.755	4.622	4.376	4.153	3.893	3.729	3.630	3.467	3.426	3.492	4.080	4.448	4.425	4.405	4.322	3.739	3.464
01/10/09	3.366	3.320	3.278	3.317	3.402	3.562	3.809	4.108	4.253	4.237	4.119	3.930	3.783	3.623	3.512	3.450	3.497	3.804	4.105	4.042	3.979	3.877	3.698	3.470
01/11/09	3.078	3.020	2.998	3.049	3.113	3.274	3.495	3.767	3.866	3.823	3.716	3.557	3.423	3.273	3.181	3.123	3.210	3.467	3.778	3.840	3.782	3.666	3.415	3.139
01/12/09	3.041	2.970	3.004	3.049	3.238	3.605	4.182	4.491	4.379	4.199	4.019	3.805	3.668	3.604	3.475	3.497	3.524	3.776	4.136	4.100	4.075	3.919	3.604	3.289
01/13/09	3.014	2.977	2.932	2.984	3.114	3.542	4.052	4.306	4.192	3.979	3.817	3.687	3.548	3.498	3.405	3.363	3.408	3.646	3.957	3.956	3.914	3.787	3.505	3.184
01/14/09	2.944	2.903	2.858	2.903	3.028	3.442	3.943	4.188	4.083	3.890	3.750	3.636	3.510	3.467	3.382	3.362	3.384	3.601	3.891	3.896	3.850	3.722	3.439	3.122
01/15/09	2.900	2.855	2.807	2.852	2.975	3.379	3.873	4.115	4.020	3.834	3.707	3.603	3.487	3.448	3.368	3.346	3.368	3.589	3.811	3.859	3.811	3.683	3.399	3.083
01/16/09	2.951	2.902	2.891	2.935	3.108	3.416	3.987	4.259	4.137	3.957	3.815	3.622	3.522	3.462	3.343	3.307	3.348	3.465	3.755	3.770	3.675	3.628	3.437	3.182
01/17/09	2.924	2.830	2.822	2.844	2.905	3.066	3.316	3.572	3.675	3.661	3.568	3.430	3.324	3.207	3.126	3.088	3.207	3.348	3.585	3.585	3.515	3.406	3.237	3.013
01/18/09	2.875	2.807	2.781	2.816	2.866	3.014	3.210	3.442	3.531	3.508	3.439	3.326	3.227	3.111	3.036	2.988	3.060	3.280	3.549	3.616	3.551	3.448	3.210	2.954
01/19/09	2.820	2.750	2.722	2.755	2.803	2.949	3.140	3.358	3.447	3.432	3.374	3.253	3.161	3.058	2.989	2.943	3.012	3.224	3.480	3.549	3.485	3.383	3.150	2.902
01/20/09	2.884	2.840	2.791	2.833	2.953	3.356	3.850	4.086	3.992	3.818	3.693	3.591	3.478	3.440	3.362	3.306	3.323	3.561	3.837	3.845	3.797	3.666	3.385	3.070
01/21/09	2.780	2.729	2.677	2.709	2.819	3.194	3.667	3.887	3.813	3.676	3.586	3.508	3.323	3.306	3.229	3.146	3.227	3.234	3.489	3.735	3.696	3.563	3.283	2.973
01/22/09	2.796	2.745	2.694	2.729	2.842	3.222	3.699	3.923	3.848	3.698	3.603	3.522	3.426	3.398	3.330	3.310	3.323	3.498	3.751	3.767	3.714	3.582	3.300	2.989
01/23/09	2.800	2.742	2.722	2.751	2.806	3.199	3.732	3.958	3.865	3.735	3.642	3.500	3.426	3.402	3.306	3.279	3.307	3.353	3.609	3.647	3.552	3.495	3.298	3.041
01/24/09	2.828	2.770	2.740	2.770	2.881	3.293	3.704	3.941	3.874	3.734	3.632	3.534	3.472	3.430	3.406	3.357	3.384	3.510	3.778	3.778	3.705	3.545	3.274	2.964
01/25/09	2.816	2.782	2.751	2.783	2.838	3.009	3.246	3.469	3.369	3.388	3.239	3.125	3.046	2.953	2.902	2.902	2.968	3.170	3.521	3.529	3.485	3.316	3.081	2.823
01/26/09	2.506	2.426	2.426	2.457	2.600	2.904	3.366	3.519	3.511	3.454	3.426	3.286	3.286	3.286	3.286	3.286	3.286	3.286	3.286	3.286	3.286	3.286	3.286	3.286
01/27/09	2.628	2.530	2.506	2.531	2.642	2.947	3.394	3.590	3.544	3.492	3.479	3.457	3.438	3.421	3.425	3.439	3.428	3.472	3.642	3.682	3.671	3.409	3.102	2.788
01/28/09	2.628	2.530	2.506	2.531	2.642	2.947	3.394	3.590	3.544	3.492	3.479	3.457	3.438	3.421	3.425	3.439	3.428	3.472	3.642	3.682	3.671	3.409	3.102	2.788
01/29/09	2.614	2.519	2.498	2.526	2.640	2.949	3.402	3.594	3.542	3.475	3.406	3.384	3.383	3.383	3.383	3.383	3.383	3.383	3.383	3.383	3.383	3.383	3.383	3.383
01/30/09	2.977	2.924	2.905	2.962	3.070	3.403	3.916	4.114	4.039	3.804	3.642	3.503	3.374	3.296	3.234	3.227	3.234	3.374	3.624	3.624	3.603	3.565	3.401	3.115
01/31/09	2.831	2.734	2.718	2.732	2.783	3.161	3.508	3.528	3.486	3.412	3.373	3.292	3.217	3.120	3.056	3.013	3.077	3.275	3.511	3.579	3.513	3.410	3.179	2.932
02/01/09	2.844	2.771	2.741	2.766	2.808	3.118	3.324	3.415	3.415	3.414	3.373	3.292	3.217	3.120	3.056	3.013	3.077	3.275	3.511	3.579	3.513	3.410	3.179	2.932
02/02/09	2.818	2.753	2.760	2.791	2.947	3.290	3.804	4.046	3.955	3.844	3.735	3.599	3.519	3.488	3.401	3.406	3.406	3.575	3.865	3.865	3.841	3.694	3.380	3.075
02/03/09	2.924	2.878	2.829	2.874	2.984	3.380	3.861	4.090	4.001	3.837	3.724	3.630	3.523	3.488	3.411	3.396	3.415	3.603	3.866	3.876	3.827	3.698	3.421	3.113
02/04/09	3.003	2.962	2.918	2.962	3.084	3.490	3.982	4.222	4.120	3.932	3.797	3.687	3.564	3.522	3.439	3.420	3.442	3.652	3.936	3.941	3.895	3.769	3.491	3.179
02/05/09	3.039	2.998	2.954	2.998	3.129	3.542	4.039	4.285	4.180	3.975	3.830	3.713	3.584	3.538	3.452	3.428	3.442	3.672	3.968	3.972	3.928	3.805	3.524	3.211
02/06/09	3.116	3.074	3.065	3.104	3.296	3.605	4.179	4.473	4.343	4.142	3.974	3.758	3.637	3.532	3.432	3.391	3.443	3.595	3.907	3.902	3.806	3.764	3.579	3.228
02/07/09	3.181	3.091	3.095	3.130	3.208	3.376	3.656	3.950	4.053	3.990	3.840	3.646	3.504	3.361	3.259	3.203	3.242	3.473	3.791	3.764	3.695	3.597	3.440	3.230
02/08/09	3.188	3.133	3.112	3.166	3.232	3.394	3.615	3.891	3.989	3.945	3.837	3.675	3.541	3.390	3.298	3.238	3.327	3.590	3.900	3.959	3.902	3.785	3.533	3.255
02/09/09	3.097	3.037	3.079	3.131	3.325	3.696	4.271	4.583	4.469	4.288	4.108	3.896	3.759	3.693	3.564	3.579	3.598	3.835	4.183	4.148	4.120	3.963	3.649	3.334
02/10/09	3.106	3.071	3.028	3.081	3.210	3.635	4.140	4.393	4.277	4.061	3.894	3.762	3.620	3.568	3.473	3.451	3.477	3.719	4.032	4.030	3.989	3.865	3.587	3.270
02/11/09	2.928	2.883	2.836	2.874	2.991	3.380	3.861	4.090	4.001	3.837	3.724	3.630	3.523	3.488	3.411	3.396	3.415	3.603	3.866	3.876	3.827	3.698	3.421	3.180
02/12/09	3.003	2.961	2.916	2.963	3.086	3.491	3.985	4.225	4.126	3.931	3.796	3.686	3.565	3.523	3.440	3.417	3.435	3.649	3.936	3.942	3.896	3.772	3.492	3.180
02/13/09	2.923	2.868	2.853	2.887	3.047	3.342	3.882	4.121	4.017	3.870	3.760	3.601	3.526	3.482	3.380	3.351	3.381	3.463	3.716	3.747	3.654	3.602	3.411	3.159
02/14/09	2.927	2.833	2.820	2.836	2.889	3.040	3.271	3.507	3.615	3.624	3.556	3.443	3.353	3.248	3.175	3.135	3.171	3.327	3.579	3.601	3.531	3.420	3.249	3.028
02/15/09	2.865	2.793	2.764	2.791	2.836	2.973	3.153	3.363	3.453	3.446	3.399	3.312	3.231	3.131	3.065	3.021	3.087	3.289	3.532	3.599	3.533	3.431	3.199	2.952
02/16/09	2.747	2.678	2.679	2.706	2.849	3.173	3.660	3.880	3.809	3.732	3.651	3.537	3.474	3.451										

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/09	2.654	2.624	2.596	2.624	2.674	2.826	3.037	3.236	3.325	3.269	3.164	3.031	2.929	2.859	2.776	2.730	2.789	2.970	3.282	3.289	3.250	3.100	2.890	2.660
03/02/09	2.509	2.454	2.451	2.489	2.593	2.888	3.393	3.580	3.527	3.411	3.569	3.280	3.229	3.209	3.174	3.158	3.172	3.280	3.436	3.471	3.394	3.264	2.990	2.709
03/03/09	2.639	2.587	2.558	2.606	2.694	2.997	3.446	3.656	3.598	3.474	3.381	3.310	3.238	3.201	3.179	3.137	3.159	3.271	3.469	3.511	3.447	3.303	3.063	2.786
03/04/09	2.639	2.588	2.560	2.607	2.695	2.997	3.445	3.656	3.596	3.472	3.381	3.311	3.238	3.201	3.180	3.136	3.160	3.272	3.461	3.511	3.447	3.303	3.062	2.786
03/05/09	2.610	2.562	2.515	2.545	2.642	2.972	3.391	3.586	3.526	3.402	3.326	3.260	3.180	3.158	3.100	3.083	3.094	3.242	3.461	3.476	3.427	3.309	3.058	2.782
03/06/09	2.665	2.613	2.598	2.627	2.768	3.033	3.514	3.724	3.635	3.510	3.418	3.283	3.221	3.185	3.096	3.071	3.097	3.163	3.383	3.415	3.330	3.281	3.107	2.879
03/07/09	2.654	2.567	2.552	2.562	2.607	2.739	2.938	3.143	3.246	3.223	3.210	3.194	3.059	2.970	2.907	2.874	2.906	3.041	3.258	3.276	3.211	3.108	2.952	2.751
03/08/09	2.694	2.633	2.609	2.639	2.683	2.814	2.987	3.191	3.270	3.251	3.193	3.092	3.010	2.909	2.844	2.801	2.865	3.058	3.295	3.355	3.297	3.205	2.993	2.766
03/09/09	2.777	2.727	2.761	2.804	2.978	3.314	3.828	4.102	3.999	3.843	3.690	3.512	3.397	3.343	3.234	3.242	3.250	3.444	3.728	3.700	3.561	3.426	3.276	2.991
03/10/09	2.723	2.683	2.640	2.678	2.786	3.146	3.588	3.799	3.714	3.556	3.443	3.350	3.248	3.143	3.107	3.123	3.144	3.323	3.570	3.577	3.535	3.418	3.168	2.887
03/11/09	2.661	2.618	2.574	2.606	2.708	3.053	3.483	3.685	3.610	3.473	3.381	3.303	3.212	3.124	3.121	3.122	3.282	3.511	3.523	3.511	3.476	3.359	3.109	2.830
03/12/09	2.647	2.602	2.557	2.590	2.691	3.032	3.460	3.660	3.592	3.454	3.366	3.294	3.204	3.178	3.116	3.098	3.110	3.269	3.498	3.511	3.464	3.347	3.095	2.818
03/13/09	2.644	2.590	2.575	2.601	2.739	3.001	3.476	3.679	3.595	3.478	3.394	3.266	3.210	3.177	3.091	3.067	3.092	3.152	3.364	3.397	3.313	3.262	3.086	2.858
03/14/09	2.673	2.609	2.574	2.618	2.678	2.887	3.226	3.436	3.470	3.406	3.317	3.194	3.149	3.063	2.984	2.984	3.025	3.260	3.483	3.442	3.334	3.262	3.083	2.830
03/15/09	2.639	2.624	2.596	2.624	2.674	2.826	3.236	3.436	3.325	3.256	3.164	3.031	2.929	2.859	2.776	2.730	2.789	2.970	3.282	3.289	3.250	3.100	2.890	2.660
03/16/09	2.509	2.454	2.451	2.489	2.593	2.888	3.393	3.580	3.527	3.411	3.369	3.280	3.229	3.209	3.174	3.158	3.172	3.280	3.436	3.471	3.394	3.264	2.990	2.709
03/17/09	2.639	2.587	2.558	2.606	2.694	2.997	3.446	3.656	3.598	3.474	3.381	3.310	3.238	3.201	3.180	3.136	3.160	3.272	3.469	3.511	3.447	3.303	3.062	2.786
03/18/09	2.639	2.587	2.558	2.606	2.694	2.997	3.446	3.656	3.598	3.474	3.381	3.310	3.238	3.201	3.180	3.136	3.160	3.272	3.469	3.511	3.447	3.303	3.062	2.786
03/19/09	2.472	2.387	2.369	2.395	2.496	2.772	3.176	3.348	3.300	3.238	3.222	3.197	3.174	3.153	3.152	3.157	3.143	3.192	3.358	3.397	3.297	3.159	2.888	2.612
03/20/09	2.460	2.406	2.402	2.412	2.485	2.743	3.171	3.331	3.304	3.246	3.211	3.193	3.138	3.132	3.113	3.090	3.089	3.115	3.211	3.244	3.161	3.064	2.861	2.648
03/21/09	2.673	2.609	2.574	2.618	2.678	2.887	3.226	3.436	3.470	3.406	3.317	3.194	3.149	3.063	2.984	2.984	3.025	3.260	3.483	3.442	3.334	3.262	3.083	2.830
03/22/09	2.436	2.378	2.343	2.356	2.376	2.482	2.621	2.752	2.848	2.885	2.859	2.807	2.762	2.700	2.646	2.651	2.663	2.793	2.997	2.997	2.934	2.806	2.628	2.468
03/23/09	2.399	2.362	2.315	2.339	2.464	2.726	3.129	3.275	3.286	3.256	3.249	3.195	3.129	3.179	3.175	3.177	3.176	3.322	3.411	3.322	3.187	2.907	2.615	2.464
03/24/09	2.500	2.410	2.386	2.406	2.504	2.771	3.164	3.341	3.309	3.269	3.264	3.251	3.239	3.228	3.237	3.253	3.245	3.277	3.419	3.451	3.352	3.206	2.928	2.644
03/25/09	2.494	2.405	2.382	2.405	2.503	2.771	3.166	3.342	3.304	3.260	3.254	3.232	3.223	3.210	3.216	3.216	3.225	3.257	3.404	3.438	3.338	3.194	2.918	2.636
03/26/09	2.538	2.438	2.409	2.426	2.520	2.773	3.153	3.342	3.331	3.303	3.318	3.322	3.322	3.324	3.345	3.368	3.360	3.379	3.496	3.522	3.423	3.271	2.979	2.686
03/27/09	2.500	2.440	2.430	2.436	2.500	2.745	3.161	3.329	3.321	3.281	3.263	3.264	3.223	3.231	3.227	3.211	3.214	3.223	3.291	3.313	3.228	3.121	2.906	2.685
03/28/09	2.538	2.471	2.416	2.414	2.427	2.559	2.724	2.886	3.033	3.106	3.123	3.081	3.069	3.017	3.010	3.030	3.051	3.106	3.211	3.279	3.179	3.008	2.744	2.583
03/29/09	2.520	2.444	2.390	2.387	2.390	2.465	2.572	2.712	2.845	2.936	2.969	2.984	2.977	2.991	2.985	3.028	3.048	3.137	3.258	3.362	3.300	3.127	2.882	2.595
03/30/09	2.544	2.480	2.397	2.404	2.518	2.740	3.141	3.341	3.350	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326
03/31/09	2.590	2.484	2.441	2.451	2.539	2.778	3.141	3.341	3.350	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326	3.326
04/01/09	2.701	2.589	2.550	2.559	2.648	2.888	3.254	3.458	3.472	3.477	3.516	3.541	3.559	3.578	3.616	3.655	3.656	3.649	3.730	3.743	3.643	3.478	3.167	2.857
04/02/09	2.747	2.625	2.579	2.585	2.670	2.916	3.250	3.466	3.505	3.523	3.580	3.623	3.656	3.687	3.738	3.783	3.784	3.822	3.868	3.826	3.726	3.555	3.320	2.910
04/03/09	2.627	2.563	2.550	2.551	2.614	2.856	3.272	3.446	3.448	3.417	3.408	3.418	3.384	3.401	3.403	3.391	3.395	3.394	3.450	3.426	3.366	3.266	3.041	2.813
04/04/09	2.527	2.483	2.456	2.473	2.510	2.673	2.878	3.034	3.140	3.153	3.097	2.984	2.903	2.787	2.733	2.710	2.725	2.842	3.047	3.139	3.049	2.959	2.801	2.623
04/05/09	2.501	2.454	2.429	2.450	2.481	2.607	2.767	2.895	2.971	2.979	2.917	2.824	2.745	2.648	2.562	2.544	2.552	2.708	2.965	3.133	3.066	2.939	2.747	2.507
04/06/09	2.496	2.460	2.415	2.440	2.467	2.836	3.247	3.393	3.398	3.361	3.349	3.293	3.284	3.262	3.253	3.251	3.250	3.331	3.452	3.505	3.415	3.281	3.000	2.708
04/07/09	2.694	2.646	2.596	2.623	2.718	3.047	3.466	3.658	3.601	3.492	3.419	3.356	3.279	3.259	3.202	3.189	3.203	3.343	3.557	3.573	3.522	3.399	3.149	2.870
04/08/09	2.866	2.828	2.787	2.828	2.940	3.311	3.762	3.982	3.889	3.718	3.595	3.494	3.383	3.344	3.269	3.251	3.271	3.463	3.722	3.727	3.685	3.569	3.314	3.028
04/09/09	2.695	2.645	2.597	2.624	2.720	3.048	3.467	3.660	3.605	3.489	3.418	3.357	3.280	3.260	3.203	3.187	3.197	3.340	3.557	3.574	3.523	3.402	3.149	2.870
04/10/09	2.630	2.569	2.544	2.561	2.679	2.923	3.358	3.536	3.484	3.419	3.377	3.292	3.262	3.246	3.203	3.176	3.155	3.300	3.554	3.554	3.500	3.352	3.086	2.817
04/11/09	2.498	2.461	2.442	2.464	2.508	2.679	2.895	3.050	3.144	3.140	3.063	2.930	2.830	2.696	2.628	2.592	2.605	2.740	2.971	3.072	2.982	2.902	2.756	2.589
04/12/09	2.556	2.494	2.455	2.464																				

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
05/01/09	3.205	3.075	3.018	2.972	2.984	3.145	3.542	3.821	3.990	4.115	4.254	4.441	4.515	4.657	4.770	4.814	4.852	4.748	4.580	4.495	4.366	4.149	3.780	3.462
05/02/09	3.135	3.006	2.876	2.834	2.791	2.890	3.009	3.226	3.499	3.728	3.922	4.022	4.163	4.233	4.318	4.424	4.454	4.397	4.340	4.334	4.188	3.978	3.667	3.341
05/03/09	2.892	2.779	2.690	2.668	2.647	2.694	2.781	2.955	3.157	3.332	3.447	3.549	3.639	3.699	3.750	3.847	3.873	3.926	3.964	4.032	3.958	3.721	3.396	3.025
05/04/09	3.020	2.927	2.779	2.768	2.893	3.103	3.495	3.749	3.951	4.097	4.266	4.367	4.535	4.658	4.784	4.887	4.901	4.852	4.718	4.673	4.549	4.323	3.875	3.431
05/05/09	3.035	2.869	2.795	2.762	2.871	3.094	3.454	3.732	3.837	3.923	4.040	4.138	4.214	4.286	4.380	4.467	4.478	4.405	4.397	4.368	4.249	4.032	3.630	3.238
05/06/09	2.840	2.708	2.663	2.671	2.770	3.084	3.449	3.684	3.708	3.720	3.805	3.830	3.856	3.904	3.952	3.940	3.940	3.940	3.923	4.034	3.921	3.731	3.319	3.019
05/07/09	2.822	2.694	2.650	2.663	2.764	3.037	3.453	3.685	3.704	3.702	3.745	3.774	3.794	3.815	3.859	3.899	3.895	3.892	3.988	4.004	3.891	3.705	3.351	3.000
05/08/09	2.817	2.732	2.708	2.700	2.760	3.067	3.463	3.676	3.711	3.708	3.727	3.773	3.759	3.803	3.829	3.828	3.840	3.816	3.826	3.827	3.724	3.576	3.299	3.027
05/09/09	2.685	2.622	2.577	2.585	2.616	2.785	3.192	3.297	3.178	3.231	3.267	3.341	3.195	3.007	3.059	3.057	3.077	3.178	3.360	3.451	3.345	3.252	3.025	2.803
05/10/09	2.658	2.588	2.544	2.555	2.574	2.689	2.842	2.994	3.113	3.167	3.150	3.105	3.066	3.007	2.955	2.969	2.985	3.125	3.342	3.498	3.426	3.255	3.005	2.704
05/11/09	2.691	2.633	2.551	2.566	2.702	3.075	3.413	3.612	3.765	3.766	3.765	3.820	3.856	3.899	3.939	3.944	3.976	4.009	4.000	4.371	4.252	3.750	3.383	3.011
05/12/09	3.037	2.797	2.789	2.789	2.872	3.095	3.454	3.733	3.838	3.924	4.043	4.141	4.218	4.284	4.384	4.471	4.482	4.409	4.400	4.711	4.482	4.034	3.633	3.240
05/13/09	3.069	2.896	2.821	2.810	2.891	3.107	3.459	3.744	3.859	3.955	4.085	4.194	4.276	4.353	4.454	4.545	4.558	4.479	4.457	4.422	4.301	4.081	3.672	3.274
05/14/09	3.096	2.925	2.839	2.829	2.909	3.127	3.467	3.759	3.885	3.982	4.121	4.237	4.325	4.408	4.514	4.606	4.615	4.533	4.505	4.466	4.444	4.122	3.706	3.304
05/15/09	3.150	3.015	2.971	2.929	2.947	3.110	3.520	3.790	3.943	4.054	4.178	4.348	4.413	4.544	4.647	4.688	4.722	4.624	4.475	4.401	4.276	4.067	3.709	3.396
05/16/09	3.036	2.918	2.802	2.768	2.738	2.847	2.978	3.186	3.436	3.634	3.790	3.860	3.969	4.007	4.080	4.171	4.201	4.167	4.145	4.157	4.022	3.825	3.532	3.222
05/17/09	3.034	2.903	2.795	2.760	2.721	2.745	2.914	3.229	3.454	3.621	3.774	3.914	4.016	4.101	4.226	4.252	4.274	4.249	4.283	4.204	3.941	3.588	3.191	2.844
05/18/09	3.251	3.143	2.961	2.937	3.061	3.244	3.617	3.892	4.152	4.342	4.558	4.696	4.908	5.053	5.206	5.329	5.344	5.277	5.087	5.000	4.863	4.627	4.148	3.674
05/19/09	3.377	3.158	3.055	3.029	3.096	3.268	3.568	3.911	4.109	4.280	4.488	4.666	4.799	4.918	5.063	5.194	5.211	5.081	4.985	4.892	4.751	4.504	4.048	3.613
05/20/09	3.372	3.154	3.053	3.026	3.093	3.265	3.565	3.907	4.102	4.272	4.481	4.660	4.791	4.908	5.053	5.183	5.200	5.072	4.975	4.884	4.742	4.497	4.042	3.606
05/21/09	3.461	3.239	3.121	3.095	3.160	3.322	3.612	3.970	4.186	4.365	4.592	4.787	4.929	5.055	5.208	5.344	5.356	5.222	5.116	5.011	4.862	4.614	4.147	3.703
05/22/09	3.444	3.297	3.231	3.168	3.159	3.286	3.673	3.985	4.211	4.388	4.576	4.830	5.112	5.253	5.312	5.364	5.242	5.014	4.885	4.738	4.499	4.088	3.757	3.625
05/23/09	3.371	3.225	3.065	3.011	2.941	3.029	3.128	3.364	3.683	3.973	4.241	4.390	4.595	4.687	4.819	4.948	4.977	4.882	4.765	4.724	4.551	4.321	3.977	3.625
05/24/09	3.339	3.182	3.041	2.988	2.920	2.915	2.960	3.165	3.443	3.746	3.986	4.216	4.417	4.568	4.690	4.852	4.865	4.849	4.748	4.736	4.638	4.341	3.951	3.516
05/25/09	3.448	3.284	3.399	3.351	3.251	3.238	3.189	3.499	3.880	4.310	4.607	4.962	5.119	5.298	5.511	5.707	5.766	5.689	5.466	5.411	5.213	4.943	4.553	4.151
05/26/09	4.002	3.690	3.541	3.487	3.529	3.640	3.856	4.282	4.554	4.790	5.082	5.333	5.494	5.616	5.784	5.942	5.929	5.800	5.704	5.555	5.381	5.156	4.691	4.254
05/27/09	3.997	3.685	3.537	3.482	3.523	3.633	3.848	4.274	4.544	4.778	5.071	5.323	5.482	5.603	5.771	5.927	5.915	5.787	5.691	5.545	5.381	5.156	4.691	4.254
05/28/09	4.053	3.731	3.579	3.525	3.564	3.673	3.879	4.313	4.589	4.818	5.117	5.373	5.532	5.652	5.820	5.973	5.973	5.849	5.757	5.607	5.440	5.217	4.750	4.313
05/29/09	3.898	3.719	3.637	3.535	3.473	3.538	3.912	4.259	4.537	4.751	4.982	5.316	5.417	5.621	5.766	5.815	5.875	5.792	5.544	5.388	5.250	5.026	4.599	4.303
05/30/09	3.746	3.588	3.392	3.329	3.222	3.133	3.188	3.248	3.352	3.438	3.403	3.485	3.518	3.599	3.652	3.702	3.702	3.623	3.456	3.335	3.261	3.067	2.630	2.284
05/31/09	3.355	3.197	3.055	3.022	2.932	2.926	2.970	3.176	3.456	3.763	4.006	4.238	4.442	4.594	4.717	4.881	4.892	4.875	4.771	4.757	4.659	4.460	4.057	3.633
06/01/09	3.694	3.574	3.347	3.307	3.435	3.575	3.916	4.202	4.525	4.753	5.016	5.183	5.437	5.587	5.757	5.891	5.901	5.837	5.598	5.460	5.309	5.082	4.587	4.096
06/02/09	3.547	3.317	3.210	3.181	3.242	3.375	3.667	4.020	4.236	4.425	4.652	4.798	5.115	5.267	5.406	5.421	5.284	5.174	5.062	4.914	4.670	4.217	3.785	3.462
06/03/09	3.511	3.286	3.182	3.153	3.215	3.370	3.646	3.993	4.202	4.384	4.607	4.748	4.935	5.057	5.207	5.342	5.358	5.224	5.117	5.012	4.866	4.625	4.175	3.745
06/04/09	3.484	3.261	3.158	3.133	3.196	3.354	3.634	3.977	4.184	4.355	4.572	4.758	4.894	5.015	5.162	5.291	5.303	5.175	5.074	4.974	4.832	4.593	4.144	3.716
06/05/09	3.342	3.209	3.150	3.098	3.131	3.241	3.618	3.901	4.088	4.232	4.387	4.596	4.681	4.835	4.956	5.066	5.048	4.938	4.749	4.649	4.517	4.298	3.924	3.611
06/06/09	3.152	3.030	2.908	2.870	2.833	2.930	3.048	3.254	3.512	3.724	3.901	3.989	4.118	4.170	4.255	4.335	4.383	4.334	4.288	4.287	4.149	3.950	3.655	3.345
06/07/09	3.044	2.922	2.822	2.792	2.759	2.787	2.856	3.031	3.248	3.453	3.601	3.740	3.860	3.949	4.023	4.137	4.162	4.190	4.181	4.222	4.147	3.901	3.567	3.190
06/08/09	2.860	2.790	2.685	2.690	2.815	3.053	3.456	3.671	3.794	3.871	3.971	4.014	4.115	4.190	4.268	4.335	4.344	4.337	4.295	4.296	4.188	3.992	3.604	3.215
06/09/09	3.003	2.856	2.795	2.794	2.880	3.112	3.479	3.730	3.801	3.856	3.943	4.013	4.068	4.120	4.194	4.263	4.270	4.221	4.246	4.234	4.124	3.924	3.554	3.189
06/10/09	3.166	2.991	2.914	2.900	2.975	3.174	3.503	3.788	3.915	4.022	4.163	4.281	4.370	4.458	4.539	4.655	4.669	4.581	4.444	4.500	4.163	3.760	3.369	3.012
06/11/09	3.327	3.126	3.034	3.014	3.082	3.241	3.559	3.876	4.049	4.189	4.372	4.528	4.644	4.750	4.880	4.993	5.005	4.895	4.819	4.747	4.617	4.387	3.957	3.545
06/12/09	3.343	3.210	3.151	3.098	3.101	3.241	3.619	3.901	4.089	4.233	4.388	4.597	4.682	4.836	4.957	5.007	5.005	4.940	4.750	4.650	4.518	4.299	3.925	3.612
06/13/09	3.312	3.177	3.034	2.986	2.929	3.017	3.118	3.339	3.629	3.886	4.118	4.245	4.419	4.498	4.612	4.729	4.738	4.679	4.587	4.560	4.404	4.189	3.869	3.538
06/14/09	3.282	3.137	3.010	2.964	2.906	2.908	2.955	3.147	3.404	3.675	3.888	4.091	4.269	4.404	4.513	4.661	4.678	4.671	4.592	4.591	4.503	4.226	3.859	3.449
06/15/09	3.437	3.326	3.131	3.101	3.222	3.384	3.735	4.010	4.290	4.492	4.723	4.872	5.097	5.244	5.402	5.529	5.542	5.475	5.266	5.161	5.022	4.752	4.315	3.844
06/16/09	3.784	3.526	3.407	3.374	3.431	3.568	3.815	4.205	4.577	4.677	4.943	5.173	5.333	5.467	5.635	5.790</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
07/01/09	4.127	3.863	3.747	3.714	3.765	3.874	4.073	4.468	4.724	4.948	5.226	5.467	5.622	5.743	5.907	6.060	6.064	5.918	5.802	5.636	5.457	5.227	4.787	4.371
07/02/09	4.202	3.929	3.810	3.780	3.831	3.937	4.130	4.537	4.803	5.026	5.312	5.560	5.718	5.837	6.004	6.157	6.154	6.010	5.897	5.725	5.531	5.227	4.787	4.371
07/03/09	4.246	4.113	3.924	3.892	3.770	3.752	3.804	3.989	4.352	4.764	5.046	5.452	5.686	5.767	5.973	6.157	6.160	6.032	5.816	5.745	5.490	5.272	4.982	4.659
07/04/09	4.500	4.366	4.141	4.086	3.928	4.042	4.113	4.261	4.726	5.087	5.463	5.628	5.935	6.002	6.153	6.311	6.309	6.151	5.978	5.922	5.676	5.491	5.137	4.794
07/05/09	4.490	4.280	4.092	4.041	3.915	3.908	3.943	4.179	4.481	4.872	5.171	5.450	5.703	5.858	5.964	6.165	6.099	6.068	5.915	5.901	5.640	5.450	5.137	4.794
07/06/09	4.399	4.292	4.002	3.954	4.035	4.089	4.182	4.347	4.797	5.085	5.334	5.645	5.917	6.079	6.133	6.256	6.256	6.116	6.240	6.080	5.931	5.753	5.279	4.800
07/07/09	4.495	4.194	4.067	4.035	4.089	4.182	4.347	4.797	5.085	5.334	5.645	5.917	6.079	6.133	6.256	6.256	6.116	6.240	6.080	5.931	5.753	5.279	4.800	
07/08/09	4.808	4.474	4.341	4.309	4.466	4.440	4.566	5.066	5.380	5.648	5.987	6.286	6.448	6.546	6.733	6.911	6.893	6.709	6.589	6.381	6.162	5.937	5.484	5.064
07/09/09	4.943	4.593	4.455	4.425	4.485	4.465	4.654	5.177	5.507	5.780	6.130	6.441	6.604	6.697	6.892	7.072	7.047	6.850	6.724	6.516	6.295	6.073	5.617	5.197
07/10/09	5.173	5.032	5.024	4.910	4.772	4.716	5.054	5.440	5.744	6.245	6.545	6.855	7.015	7.171	7.210	7.357	7.210	7.047	6.919	6.608	6.461	6.186	5.739	5.281
07/11/09	4.923	4.797	4.533	4.478	4.478	4.469	4.698	5.076	5.452	5.855	6.015	6.366	6.424	6.571	6.776	6.072	6.012	5.981	5.832	5.814	5.687	5.377	4.990	4.529
07/12/09	4.375	4.214	4.030	3.978	3.856	3.848	3.884	4.116	4.415	4.799	5.094	5.369	5.617	5.771	5.877	6.072	6.012	5.981	5.832	5.814	5.687	5.377	4.990	4.529
07/13/09	4.294	4.184	3.909	3.862	4.005	4.104	4.282	4.719	4.999	5.242	5.546	5.811	6.072	6.086	6.258	6.422	6.416	6.290	6.148	6.030	5.957	5.527	5.081	4.661
07/14/09	4.407	4.114	3.990	3.958	4.011	4.108	4.282	4.719	4.999	5.242	5.546	5.811	6.072	6.086	6.258	6.422	6.416	6.290	6.148	6.030	5.957	5.527	5.081	4.661
07/15/09	4.519	4.215	4.089	4.057	4.111	4.208	4.383	4.818	5.106	5.355	5.671	5.946	6.107	6.216	6.392	6.560	6.551	6.390	6.277	6.079	5.872	5.644	5.219	4.774
07/16/09	4.300	4.017	3.896	3.866	3.918	4.019	4.203	4.625	4.899	5.128	5.424	5.681	5.930	6.139	6.287	6.338	6.228	6.131	6.019	5.838	5.645	5.417	4.970	4.550
07/17/09	4.329	4.186	4.140	4.055	3.992	3.982	4.389	4.735	5.018	5.235	5.477	5.836	6.005	6.139	6.287	6.338	6.228	6.131	6.019	5.838	5.645	5.417	4.970	4.550
07/18/09	3.983	3.844	3.661	3.605	3.498	3.583	3.659	3.897	4.231	4.557	4.882	5.200	5.305	5.392	5.540	5.672	5.687	5.418	5.348	5.142	4.937	4.601	4.271	3.841
07/19/09	4.064	3.905	3.739	3.682	3.581	3.568	3.605	3.818	4.103	4.455	4.731	4.988	5.218	5.371	5.482	5.657	5.624	5.392	5.258	5.051	4.855	4.507	4.155	3.841
07/20/09	4.224	4.112	3.848	3.801	3.940	4.041	4.337	4.607	4.960	5.191	5.475	5.642	5.912	6.038	6.203	6.329	6.328	6.190	6.067	5.881	5.686	5.456	5.010	4.591
07/21/09	4.339	4.053	3.930	3.898	3.950	3.926	4.209	4.632	4.903	5.140	5.436	5.694	5.853	6.005	6.175	6.339	6.333	6.190	6.067	5.881	5.686	5.456	5.010	4.591
07/22/09	3.848	3.615	3.509	3.478	3.529	3.652	3.875	4.229	4.456	4.654	4.897	5.106	5.251	5.371	5.524	5.664	5.675	5.538	5.424	5.292	5.137	4.911	4.483	4.078
07/23/09	4.052	3.795	3.681	3.651	3.702	3.814	4.020	4.405	4.657	4.869	5.138	5.372	5.526	5.648	5.809	5.957	5.958	5.818	5.704	5.547	5.374	5.146	4.707	4.293
07/24/09	3.758	3.622	3.562	3.498	3.475	3.567	3.904	4.200	4.430	4.611	4.804	5.069	5.170	5.347	5.482	5.539	5.595	5.485	5.258	5.116	4.975	4.755	4.371	4.078
07/25/09	3.602	3.471	3.321	3.270	3.199	3.275	3.357	3.571	3.863	4.136	4.394	4.537	4.735	4.822	4.948	5.066	5.091	4.997	4.880	4.833	4.670	4.465	4.155	3.841
07/26/09	3.687	3.538	3.398	3.345	3.269	3.325	3.292	3.483	3.746	4.048	4.289	4.517	4.720	4.866	4.980	5.136	5.134	5.108	4.994	4.967	4.809	4.594	4.239	3.842
07/27/09	3.973	3.861	3.629	3.587	3.711	3.825	4.128	4.393	4.714	4.934	5.194	5.354	5.602	5.735	5.895	6.019	6.024	5.974	5.740	5.595	5.451	5.251	4.793	4.335
07/28/09	3.991	3.742	3.629	3.587	3.648	3.726	3.976	4.351	4.595	4.808	5.068	5.293	5.445	5.568	5.726	5.875	5.881	5.739	5.624	5.473	5.306	5.076	4.642	4.230
07/29/09	4.420	4.248	4.077	4.027	3.926	4.027	4.209	4.632	4.903	5.140	5.436	5.694	5.853	6.005	6.175	6.339	6.333	6.190	6.067	5.881	5.686	5.456	5.010	4.591
07/30/09	4.528	4.271	4.095	4.065	4.119	4.210	4.371	4.828	5.120	5.363	5.679	5.956	6.117	6.227	6.403	6.568	6.534	6.396	6.286	6.089	5.881	5.655	5.204	4.783
07/31/09	4.418	4.224	4.232	4.144	4.075	4.112	4.466	4.818	5.105	5.323	5.569	5.940	6.031	6.243	6.393	6.441	6.334	6.435	6.151	5.952	5.787	5.548	5.116	4.837
08/01/09	4.205	4.057	3.850	3.791	3.663	3.760	3.842	4.100	4.467	4.827	5.191	5.371	5.658	5.746	5.906	6.052	6.063	5.927	5.762	5.686	5.454	5.239	4.875	4.520
08/02/09	4.450	4.248	4.036	3.999	3.873	3.863	3.903	4.146	4.462	4.865	5.176	5.465	5.725	5.888	6.002	6.205	6.146	6.113	5.959	5.935	5.801	5.474	5.065	4.582
08/03/09	4.421	4.248	4.036	3.999	3.873	3.863	3.903	4.146	4.462	4.865	5.176	5.465	5.725	5.888	6.002	6.205	6.146	6.113	5.959	5.935	5.801	5.474	5.065	4.582
08/04/09	4.307	4.017	3.890	3.855	3.910	4.023	4.227	4.602	4.944	5.189	5.493	5.757	5.926	6.053	6.230	6.398	6.398	6.240	6.118	5.932	5.733	5.488	5.017	4.572
08/05/09	4.623	4.300	4.166	4.131	4.189	4.287	4.492	4.942	5.295	5.555	5.894	6.141	6.312	6.429	6.616	6.794	6.785	6.614	6.494	6.284	6.063	5.821	5.342	4.894
08/06/09	4.665	4.336	4.201	4.169	4.227	4.323	4.492	4.982	5.330	5.564	5.830	6.236	6.328	6.557	6.718	6.766	6.671	6.765	6.454	6.240	6.064	5.807	5.344	4.894
08/07/09	4.603	4.450	4.408	4.312	4.233	4.265	4.643	5.022	5.330	5.564	5.830	6.236	6.328	6.557	6.718	6.766	6.671	6.765	6.454	6.240	6.064	5.807	5.344	4.894
08/08/09	4.536	4.393	4.159	4.101	3.940	4.057	4.135	4.399	4.784	5.165	5.560	5.737	6.057	6.130	6.292	6.455	6.455	6.294	6.115	6.049	5.792	5.591	5.216	4.853
08/09/09	4.397	4.225	4.034	3.976	3.852	3.842	3.882	4.124	4.439	4.840	5.149	5.436	5.859	5.972	6.174	6.177	6.083	5.931	5.905	5.771	5.446	5.038	4.558	4.155
08/10/09	5.068	4.978	4.507	4.439	4.648	4.709	4.959	5.233	5.675	5.935	6.336	6.514	6.890	7.018	7.211	7.357	7.357	7.356	7.345	6.938	6.927	6.874	6.800	6.324
08/11/09	5.170	4.754	4.573	4.507	4.540	4.566	4.627	5.172	5.505	5.782	6.132	6.442	6.883	7.003	7.032	7.032	7.032	6.855	6.761	6.595	6.416	6.233	5.805	5.414
08/12/09	4.610	4.289	4.155	4.121	4.178	4.276	4.451	4.931	5.237</															

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
09/01/09	3.318	3.318	3.201	3.168	3.226	3.365	3.618	4.002	4.248	4.464	4.723	4.948	5.106	5.239	5.405	5.558	5.570	5.421	5.297	5.156	4.991	4.740	4.270	3.824	
09/02/09	3.741	3.469	3.346	3.311	3.367	3.496	3.732	4.142	4.407	4.640	4.926	5.172	5.338	5.473	5.648	5.809	5.818	5.663	5.534	5.371	5.189	4.936	4.456	4.002	
09/03/09	3.688	3.688	3.557	3.524	3.581	3.698	3.913	4.361	4.653	4.899	5.213	5.486	5.660	5.793	5.977	6.146	6.143	5.984	5.859	5.670	5.466	5.214	4.722	4.261	
09/04/09	3.612	3.459	3.394	3.378	3.286	3.379	3.754	4.091	4.360	4.571	4.796	5.108	5.222	5.426	5.579	5.644	5.711	5.591	5.328	5.159	4.997	4.749	4.313	3.989	
09/05/09	3.728	3.575	3.375	3.313	3.198	3.290	3.375	3.636	4.003	4.360	4.715	4.899	5.177	5.275	5.437	5.837	5.600	5.469	5.306	5.229	5.006	4.778	4.408	4.043	
09/06/09	3.474	3.396	3.374	3.354	3.602	3.593	3.633	3.888	4.218	4.641	4.966	5.268	5.541	5.711	5.829	6.043	5.978	5.944	5.781	5.759	5.619	5.277	4.851	4.344	
09/07/09	3.675	3.516	3.330	3.285	3.181	3.168	3.219	3.419	3.794	4.220	4.514	4.873	5.099	5.206	5.416	5.609	5.638	5.576	5.351	5.300	5.085	4.822	4.449	4.066	
09/08/09	4.101	3.945	3.768	3.624	3.682	3.795	4.000	4.464	4.764	5.025	5.349	5.631	5.807	5.937	6.124	6.302	6.298	6.132	6.006	5.805	5.592	5.338	4.846	4.382	
09/09/09	4.265	4.105	3.935	3.798	3.762	3.926	4.115	4.603	4.914	5.184	5.484	5.821	5.999	6.123	6.315	6.497	6.490	6.317	6.192	5.979	5.755	5.503	5.007	4.542	
09/10/09	4.452	4.099	3.952	3.914	3.970	4.060	4.223	4.737	5.063	5.333	5.685	5.993	6.167	6.280	6.473	6.653	6.644	6.473	6.359	6.145	5.920	5.680	5.188	4.732	
09/11/09	3.990	3.832	3.775	3.686	3.629	3.692	4.077	4.448	4.752	4.988	5.246	5.621	5.731	5.956	6.118	6.178	6.266	6.154	5.861	5.655	5.477	5.219	4.753	4.435	
09/12/09	3.871	3.718	3.506	3.444	3.316	3.415	3.499	3.766	4.144	4.515	4.888	5.075	5.369	5.462	5.628	5.778	5.791	5.652	5.482	5.403	5.166	4.941	4.565	4.197	
09/13/09	3.669	3.496	3.324	3.262	3.163	3.147	3.186	3.411	3.717	4.085	4.375	4.648	4.891	5.059	5.185	5.370	5.349	5.315	5.174	5.015	4.698	4.294	3.836		
09/14/09	3.868	3.744	3.473	3.424	3.567	3.687	4.019	4.314	4.685	4.934	5.233	5.414	5.698	5.842	6.022	6.160	6.163	6.113	5.844	5.676	5.514	5.298	4.785	4.273	
09/15/09	3.751	3.573	3.471	3.355	3.293	3.175	3.215	3.441	3.750	4.121	4.415	4.690	4.935	5.104	5.229	5.416	6.079	6.006	5.879	5.687	5.543	5.228	4.739	4.277	
09/16/09	4.096	3.786	3.653	3.617	3.674	3.787	3.991	4.455	4.753	5.013	5.338	5.620	5.796	5.925	6.112	6.288	6.287	6.120	5.994	5.794	5.581	5.328	4.835	4.372	
09/17/09	3.937	3.642	3.513	3.480	3.336	3.356	3.376	3.416	3.604	4.845	5.155	5.422	5.595	5.729	5.911	6.079	6.077	5.920	5.794	5.610	5.411	5.158	4.668	4.208	
09/18/09	3.811	3.654	3.592	3.509	3.464	3.541	3.921	4.277	4.567	4.794	5.039	5.386	5.500	5.717	5.875	5.939	6.017	5.901	5.622	5.430	5.259	5.004	4.551	4.229	
09/19/09	3.727	3.573	3.373	3.311	3.197	3.288	3.374	3.634	4.001	4.358	4.712	4.897	5.174	5.272	5.435	5.580	5.597	5.467	5.304	5.227	5.004	4.776	4.406	4.041	
09/20/09	3.703	3.529	3.355	3.293	3.150	3.301	3.648	3.929	4.231	4.447	4.694	4.853	5.093	5.242	5.407	5.538	5.550	5.483	5.259	5.137	4.992	4.762	4.275	3.793	
09/21/09	3.887	3.271	3.060	3.025	3.150	3.301	3.648	3.929	4.231	4.447	4.694	4.853	5.093	5.242	5.407	5.538	5.550	5.483	5.259	5.137	4.992	4.762	4.275	3.793	
09/22/09	3.653	3.391	3.270	3.236	3.293	3.428	3.672	4.069	4.325	4.550	4.822	5.057	5.220	5.354	5.524	5.682	5.693	5.540	5.414	5.261	5.088	4.835	4.361	3.910	
09/23/09	3.337	3.113	3.009	2.980	3.042	3.198	3.475	3.822	4.030	4.212	4.434	4.624	4.762	4.883	5.033	5.168	5.184	5.050	4.944	4.839	4.694	4.452	4.001	3.571	
09/24/09	3.234	3.022	2.924	2.901	2.966	3.133	3.425	3.755	3.946	4.102	4.303	4.475	4.601	4.715	4.854	4.976	4.988	4.868	4.779	4.693	4.557	4.322	3.880	3.460	
09/25/09	3.645	3.491	3.426	3.349	3.315	3.405	3.270	3.484	3.833	4.122	4.394	4.608	4.777	5.047	5.241	5.311	5.241	5.178	5.054	4.736	4.330	3.869	3.430	3.010	
09/26/09	3.221	3.081	2.928	2.876	2.811	2.896	2.992	3.219	3.524	3.800	4.055	4.196	4.390	4.477	4.602	4.726	4.754	4.665	4.555	4.518	4.352	4.131	3.801	3.462	
09/27/09	2.927	2.799	2.693	2.658	2.619	2.639	2.702	2.881	3.110	3.332	3.498	3.654	3.790	3.892	3.977	4.101	4.125	4.143	4.114	4.144	4.067	3.811	3.467	3.081	
09/28/09	3.332	3.218	3.104	2.981	3.105	3.260	3.610	3.888	4.180	4.391	4.631	4.786	5.019	5.168	5.330	5.459	5.472	5.405	5.187	5.072	4.930	4.700	4.217	3.739	
09/29/09	3.124	2.929	2.838	2.818	2.887	3.069	3.377	3.686	3.849	3.990	4.163	4.311	4.422	4.525	4.650	4.764	4.779	4.669	4.599	4.530	4.403	4.173	3.749	3.340	
09/30/09	2.936	2.771	2.700	2.689	2.768	2.979	3.321	3.595	3.702	3.791	3.915	4.016	4.094	4.167	4.262	4.348	4.361	4.286	4.269	4.237	4.121	3.909	3.516	3.133	
10/01/09	2.853	2.692	2.623	2.617	2.695	2.904	3.243	3.509	3.612	3.689	3.805	3.901	4.075	4.044	4.135	4.235	4.222	4.155	4.146	4.118	4.005	3.801	3.417	3.045	
10/02/09	2.848	2.740	2.697	2.666	2.695	2.877	3.270	3.508	3.620	3.693	3.782	3.907	3.948	4.048	4.126	4.153	4.179	4.104	4.004	3.957	3.846	3.664	3.348	3.063	
10/03/09	2.750	2.650	2.557	2.534	2.506	2.694	3.174	3.327	3.403	3.465	3.531	3.540	3.540	3.540	3.586	3.653	3.680	3.675	3.697	3.727	3.609	3.489	3.182	2.907	
10/04/09	2.834	2.745	2.605	2.594	2.712	2.911	3.280	3.521	3.714	3.852	4.013	4.111	4.270	4.387	4.506	4.604	4.618	4.571	4.443	4.400	4.282	4.068	3.644	3.223	
10/05/09	3.053	2.861	2.772	2.753	2.820	2.997	3.298	3.494	3.662	3.900	4.070	4.215	4.325	4.425	4.548	4.660	4.675	4.567	4.497	4.430	4.306	4.080	3.665	3.265	
10/06/09	3.259	3.040	2.938	2.910	2.970	3.123	3.394	3.584	3.734	3.938	4.116	4.333	4.454	4.564	4.773	4.893	4.901	5.032	4.906	4.807	4.708	4.567	4.333	3.891	3.471
10/07/09	3.243	3.024	2.923	2.898	2.959	3.113	3.387	3.572	3.725	3.929	4.098	4.312	4.496	4.630	4.748	4.893	5.021	5.032	4.906	4.807	4.708	4.567	4.333	3.891	3.471
10/08/09	3.145	2.995	2.874	2.823	2.757	2.839	2.933	3.157	3.458	3.733	3.987	4.129	4.323	4.410	4.535	4.657	4.685	4.594	4.484	4.445	4.280	4.063	3.737	3.404	
10/09/09	3.301	3.159	3.096	3.032	3.018	3.130	3.494	3.799	4.026	4.205	4.395	4.652	4.755	4.933	5.071	5.130	5.184	5.066	4.838	4.704	4.561	4.329	3.930	3.615	
10/10/09	3.164	3.026	2.874	2.823	2.757	2.839	2.933	3.157	3.458	3.733	3.987	4.129	4.323	4.410	4.535	4.657	4.685	4.594	4.484	4.445	4.280	4.063	3.737	3.404	
10/11/09	3.145	2.995	2.874	2.823	2.757	2.839	2.933	3.157	3.458	3.733	3.987	4.129	4.323	4.410	4.535	4.657	4.685	4.594	4.484	4.445	4.280	4.063	3.737	3.404	
10/12/09	3.354	3.241	3.032	2.998	3.123	3.270	3.610	3.889	4.194	4.412	4.662	4.823	5.064	5.213	5.379	5.511	5.524	5.455	5.225	5.096	4.947	4.717	4.233	3.753	
10/13/09	3.253	3.034	2.931	2.904	2.964	3.119	3.391	3.730	3.934	4.111	4.325	4.509	4.644	4.764	4.909	5.041	5.056	4.925	4.823	4.721	4.580	4.342	3.903	3.482	
10/14/09	3.143	2.939	2.845	2.821	2.885	3.049	3.336	3.656	3.836	4.073	4.187	4.352	4.473	4.583	4.717	4.838	4.855	4.735	4.647	4.564	4.432	4.201	3.773	3.363	
10/15/09	3.000	2.816	2.732	2.717	2.787	2.970	3.280	3.575	3.724	3.842	4.001	4.135	4.236	4.330	4.446	4.547	4.558	4.462	4.407	4.351	4.229	4.011	3.601	3.207	
10/16/09	2.901	2.788	2.740	2.705	2.727	2.899	3.285	3.532	3.660	3.750	3.854	3.998	4.049	4.162	4.251	4.283	4.313	4.228	4.106	4.048	3.933	3.743	3.415	3.124	
10/17/09	2.886	2.605	2.491	2.492	2.612	2.836	3.222	3.443	3.585	3.798	3.858	4.036	4.112	4.209	4.										

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/09	2,456	2,409	2,383	2,404	2,435	2,564	2,726	2,857	2,934	2,879	2,784	2,703	2,605	2,518	2,500	2,508	2,666	2,927	3,098	3,030	2,901	2,706	2,462	2,658
11/02/09	2,448	2,412	2,368	2,394	2,523	2,798	3,216	3,362	3,365	3,324	3,308	3,248	3,235	3,198	3,194	3,193	3,278	3,407	3,461	3,370	3,256	2,953	2,658	2,658
11/03/09	2,535	2,448	2,429	2,453	2,537	2,842	3,257	3,383	3,327	3,309	3,283	3,260	3,239	3,238	3,247	3,236	3,282	3,449	3,489	3,386	3,241	2,964	2,679	2,696
11/04/09	2,551	2,461	2,440	2,461	2,563	2,841	3,250	3,430	3,388	3,340	3,332	3,313	3,295	3,280	3,297	3,288	3,328	3,482	3,518	3,415	3,268	2,985	2,743	2,743
11/05/09	2,592	2,492	2,463	2,483	2,579	2,843	3,238	3,429	3,413	3,380	3,391	3,388	3,387	3,387	3,406	3,426	3,471	3,568	3,597	3,495	3,341	3,043	2,743	2,743
11/06/09	2,591	2,524	2,510	2,511	2,574	2,817	3,238	3,417	3,386	3,366	3,359	3,367	3,385	3,396	3,378	3,383	3,433	3,449	3,360	3,242	3,078	2,779	2,614	2,614
11/07/09	2,512	2,461	2,426	2,437	2,469	2,627	2,824	2,984	3,104	3,133	3,096	3,001	2,937	2,837	2,794	2,783	2,800	2,902	3,084	3,171	3,078	2,977	2,806	2,614
11/08/09	2,489	2,432	2,398	2,411	2,434	2,547	2,693	2,827	2,922	2,955	2,922	2,862	2,810	2,740	2,679	2,680	2,692	2,830	3,049	3,200	3,134	2,990	2,777	2,517
11/09/09	2,530	2,479	2,408	2,441	2,445	2,545	2,693	2,827	2,922	2,955	2,922	2,862	2,810	2,740	2,679	2,680	2,692	2,830	3,049	3,200	3,134	2,990	2,777	2,517
11/10/09	2,730	2,602	2,551	2,554	2,637	2,864	3,215	3,439	3,486	3,521	3,586	3,636	3,676	3,714	3,772	3,827	3,831	3,800	3,844	3,842	3,740	3,561	3,228	2,898
11/11/09	2,624	2,517	2,484	2,496	2,590	2,842	3,228	3,426	3,472	3,436	3,449	3,456	3,464	3,493	3,524	3,524	3,522	3,529	3,633	3,654	3,552	3,390	3,085	2,778
11/12/09	2,578	2,540	2,540	2,546	2,631	2,861	3,217	3,438	3,480	3,502	3,562	3,609	3,643	3,677	3,731	3,780	3,780	3,757	3,812	3,814	3,712	3,538	3,206	2,879
11/13/09	2,680	2,600	2,575	2,565	2,614	2,830	3,231	3,426	3,468	3,477	3,504	3,556	3,551	3,598	3,630	3,633	3,645	3,616	3,609	3,604	3,510	3,371	3,115	2,868
11/14/09	2,741	2,440	2,406	2,398	2,426	2,522	2,688	2,860	3,027	3,141	3,093	3,051	2,982	2,925	2,896	2,896	2,926	3,075	3,191	3,111	2,991	2,830	2,641	2,641
11/15/09	2,720	2,690	2,661	2,690	2,741	2,898	3,112	3,298	3,411	3,354	3,345	3,309	3,284	3,263	3,236	3,236	3,245	3,374	3,442	3,442	3,334	3,180	2,964	2,641
11/16/09	2,455	2,417	2,370	2,395	2,524	2,796	3,212	3,361	3,369	3,334	3,324	3,270	3,263	3,243	3,236	3,236	3,235	3,314	3,434	3,486	3,395	3,258	2,971	2,672
11/17/09	2,522	2,438	2,422	2,448	2,553	2,842	3,263	3,434	3,377	3,314	3,290	3,230	3,205	3,199	3,204	3,244	3,422	3,464	3,361	3,218	2,946	2,665	2,665	
11/18/09	2,535	2,449	2,431	2,454	2,558	2,842	3,256	3,432	3,381	3,325	3,309	3,284	3,260	3,238	3,237	3,245	3,236	3,282	3,449	3,489	3,385	3,241	2,963	2,679
11/19/09	2,535	2,447	2,429	2,454	2,559	2,843	3,259	3,435	3,386	3,323	3,307	3,282	3,258	3,237	3,236	3,241	3,227	3,447	3,488	3,385	3,242	2,963	2,678	2,678
11/20/09	2,869	2,820	2,803	2,854	2,954	3,259	3,730	3,911	3,842	3,627	3,478	3,353	3,233	3,161	3,104	3,098	3,103	3,233	3,462	3,466	3,442	3,408	3,257	2,995
11/21/09	2,740	2,674	2,639	2,683	2,745	2,960	3,310	3,525	3,561	3,495	3,403	3,323	3,142	3,066	3,060	3,060	3,103	3,345	3,574	3,531	3,420	3,347	3,162	2,901
11/22/09	2,649	2,579	2,548	2,568	2,605	2,724	2,882	3,065	3,154	3,163	3,135	3,008	2,923	2,866	2,827	2,866	2,885	3,062	3,272	3,336	3,274	3,176	2,961	2,732
11/23/09	2,571	2,515	2,512	2,520	2,658	2,961	3,482	3,674	3,619	3,500	3,457	3,366	3,313	3,292	3,240	3,255	3,366	3,526	3,562	3,483	3,349	3,067	2,778	2,778
11/24/09	2,706	2,652	2,622	2,672	2,812	3,074	3,536	3,753	3,692	3,565	3,469	3,397	3,322	3,284	3,262	3,248	3,241	3,357	3,560	3,603	3,537	3,389	3,142	2,857
11/25/09	2,880	2,858	2,831	2,889	3,019	3,280	3,895	4,137	4,031	3,839	3,697	3,580	3,453	3,404	3,316	3,290	3,306	3,506	3,773	3,769	3,673	3,598	3,332	3,032
11/26/09	2,937	2,881	2,860	2,906	2,964	3,114	3,316	3,564	3,656	3,611	3,513	3,368	3,244	3,106	3,023	2,967	3,280	3,567	3,626	3,574	3,473	3,326	3,046	2,996
11/27/09	2,976	2,924	2,903	2,932	3,011	3,160	3,366	3,621	3,716	3,677	3,572	3,419	3,149	3,066	3,011	3,093	3,336	3,625	3,681	3,630	3,536	3,313	3,057	2,857
11/28/09	3,089	3,004	3,013	3,050	3,128	3,284	3,549	3,835	3,742	3,628	3,528	3,384	3,240	3,136	3,079	3,117	3,365	3,672	3,621	3,556	3,468	3,322	3,129	2,929
11/29/09	2,903	2,846	2,826	2,868	2,923	3,067	3,263	3,502	3,589	3,553	3,463	3,327	3,212	3,083	3,003	2,952	3,252	3,528	3,586	3,532	3,429	3,205	2,959	2,752
11/30/09	2,699	2,639	2,650	2,681	2,732	2,878	3,069	3,264	3,195	3,073	2,956	2,836	2,716	2,603	2,521	2,521	2,763	3,051	3,103	3,051	2,903	2,722	2,536	2,322
12/01/09	2,987	2,945	2,898	2,946	3,073	3,294	3,494	4,003	4,251	4,145	3,949	3,803	3,686	3,558	3,514	3,427	3,407	3,430	3,650	3,946	3,951	3,774	3,489	3,167
12/02/09	3,054	3,016	2,973	3,024	3,155	3,387	3,587	4,103	4,244	4,028	3,866	3,736	3,595	3,543	3,449	3,427	3,453	3,694	4,008	4,008	3,964	3,837	3,550	3,225
12/03/09	3,024	2,983	2,938	2,990	3,120	3,354	3,547	4,060	4,315	4,205	3,991	3,837	3,714	3,579	3,531	3,440	3,416	3,436	3,671	3,980	3,983	3,811	3,523	3,199
12/04/09	3,139	3,098	3,090	3,138	3,265	3,494	4,028	4,563	4,626	4,408	4,233	4,065	3,922	3,837	3,744	3,687	3,447	3,622	3,952	3,938	3,839	3,797	3,607	3,348
12/05/09	3,211	3,119	3,126	3,165	3,249	3,422	3,714	4,025	4,137	4,067	3,902	3,690	3,537	3,382	3,272	3,212	3,252	3,509	3,845	3,801	3,730	3,631	3,471	3,256
12/06/09	3,158	3,101	3,079	3,135	3,202	3,368	3,596	3,878	3,979	3,934	3,823	3,657	3,519	3,364	3,240	3,168	3,298	3,568	3,887	3,948	3,886	3,770	3,511	3,226
12/07/09	3,242	3,171	3,195	3,272	3,354	3,554	4,248	4,563	4,669	4,506	4,407	4,314	4,156	4,080	4,036	3,968	4,039	4,368	4,711	4,631	4,589	4,402	4,001	3,666
12/08/09	3,527	3,478	3,379	3,408	3,515	3,688	4,283	4,603	4,465	4,242	4,051	3,812	3,585	3,440	3,396	3,340	3,459	3,644	3,979	3,960	3,860	3,820	3,630	3,370
12/09/09	3,332	3,272	3,191	3,221	3,325	3,475	4,276	4,555	4,428	4,228	4,009	3,851	3,725	3,587	3,537	3,445	3,420	3,681	3,996	3,951	3,825	3,536	3,212	2,959
12/10/09	3,039	2,999	2,954	3,008	3,138	3,268	3,475	3,983	4,229	4,125	3,932	3,791	3,676	3,551	3,508	3,423	3,404	3,425	3,934	3,939	3,893	3,762	3,477	3,156
12/11/09	3,167	3,127	3,119	3,180	3,268	3,368	3,483	4,003	4,259	4,074	3,913	3,725	3,606	3,555	3,441	3,453	3,464	3,680	4,021	4,013	3,986	3,834	3,515	3,196
12/12/09	3,123	3,031	3,034	3,068	3,145	3,243	3,317	3,601	3,897	4,001	3,942	3,796	3,604	3,465	3,322	3,221	3,165	3,205	3,430	3,751	3,756	3,642	3,394	3,121
12/13/09	3,060	2,998	2,975	3,022	3,083	3,243	3,460	3,725	3,821	3,782	3,681	3,530	3,401	3,258	3,169	3,113	3,196	3,445	3,751	3,816	3,756	3,642	3,394	3,121
12/14/09	2,945	2,877	2,901	2,940	3,022	3,180	3,317	3,601	3,897	4,001	3,942	3,796	3,604	3,465	3,322	3,221	3,165	3,205	3,430	3,751	3,756	3,642	3,394	3,121
12/15/09	2,974	2,932	2,884	2,931	3,057	3,215	3,383	3,618	3,913	4,017	3,913	3,725	3,606	3,555	3,441	3,453	3,464	3,680	4,021	4,013	3,986	3,834	3,515	3,196
12/16/09	2,961	2,918	2,872	2,916	3,042	3,202	3,371	3,601	3,897	4,001	3,942	3,796	3,604	3,465	3,322	3,221	3,165	3,205	3,430	3,751	3,756	3,642	3,394	3,121
12/17/09	2,903	2,855	2,806	2,848	2,969	3,137	3,368	3,601	3,897	4,001	3,942	3,796	3,604	3,465	3,322	3,221	3,165</							

# APS Own Load Hourly mW Forecast

Hour1 Hour2 Hour3 Hour4 Hour5 Hour6 Hour7 Hour8 Hour9 Hour10 Hour11 Hour12 Hour13 Hour14 Hour15 Hour16 Hour17 Hour18 Hour19 Hour20 Hour21 Hour22 Hour23 Hour24

01/01/10	3.037	2.968	2.942	2.983	3.038	3.199	3.414	3.672	3.773	3.740	3.648	3.508	3.387	3.252	3.169	3.115	3.195	3.439	3.739	3.810	3.745	3.651	3.409	3.136
01/02/10	3.080	2.982	2.977	3.003	3.071	3.244	3.515	3.795	3.901	3.873	3.761	3.602	3.482	3.353	3.263	3.214	3.253	3.446	3.748	3.760	3.686	3.574	3.398	3.165
01/03/10	3.053	2.984	2.959	3.026	3.058	3.219	3.434	3.691	3.787	3.755	3.666	3.530	3.412	3.278	3.193	3.139	3.219	3.462	3.762	3.831	3.765	3.653	3.401	3.126
01/04/10	3.030	2.960	2.985	3.026	3.115	3.299	3.489	3.695	3.789	3.753	3.666	3.530	3.412	3.278	3.193	3.139	3.219	3.462	3.762	3.831	3.765	3.653	3.401	3.126
01/05/10	3.294	3.263	3.220	3.285	3.329	3.494	4.456	4.740	4.602	4.339	4.129	3.962	3.786	3.619	3.604	3.578	3.612	3.910	4.272	4.265	4.100	3.800	3.455	
01/06/10	3.205	3.170	3.126	3.185	3.325	3.785	4.328	4.603	4.474	4.231	4.045	3.896	3.735	3.675	3.570	3.545	3.576	3.848	4.177	4.187	4.143	4.014	3.715	
01/07/10	3.304	3.272	3.230	3.297	3.442	3.917	4.470	4.752	4.619	4.347	4.137	3.970	3.792	3.725	3.609	3.578	3.610	3.915	4.286	4.275	4.235	4.112	3.808	
01/08/10	3.409	3.376	3.375	3.451	3.664	4.003	4.626	4.982	4.836	4.579	4.348	4.075	3.903	3.798	3.627	3.579	3.656	3.891	4.245	4.209	4.065	3.868	3.581	
01/09/10	3.483	3.380	3.392	3.435	3.526	3.697	3.971	4.292	4.439	4.405	4.264	4.052	3.891	3.721	3.601	3.534	3.583	3.800	4.234	4.161	4.092	3.987	3.806	
01/10/10	3.309	3.255	3.232	3.298	3.373	3.554	3.797	4.100	4.201	4.151	4.037	3.866	3.726	3.565	3.471	3.403	3.504	3.662	3.964	4.345	4.276	4.110	3.778	
01/11/10	3.182	3.107	3.144	3.192	3.392	3.779	4.387	4.712	4.594	4.404	4.214	3.988	3.843	3.774	3.638	3.662	3.693	3.964	4.345	4.303	4.276	4.110	3.778	
01/12/10	3.256	3.223	3.179	3.245	3.384	3.854	4.402	4.682	4.548	4.294	4.093	3.933	3.764	3.700	3.589	3.563	3.596	3.883	4.240	4.231	4.180	4.063	3.763	
01/13/10	3.136	3.096	3.051	3.148	3.241	3.690	4.226	4.493	4.372	4.148	3.980	3.845	3.697	3.644	3.523	3.498	3.518	3.749	4.058	4.064	4.015	3.882	3.583	
01/14/10	3.061	3.016	2.968	3.019	3.151	3.586	4.115	4.373	4.266	4.055	3.909	3.750	3.655	3.596	3.475	3.438	3.479	3.592	3.889	3.909	3.810	3.759	3.557	
01/15/10	3.043	2.990	2.977	3.022	3.201	3.524	4.119	4.397	4.273	4.073	3.949	3.790	3.655	3.596	3.475	3.438	3.479	3.592	3.889	3.909	3.810	3.759	3.557	
01/16/10	3.080	2.982	2.977	3.022	3.201	3.524	4.119	4.397	4.273	4.073	3.949	3.790	3.655	3.596	3.475	3.438	3.479	3.592	3.889	3.909	3.810	3.759	3.557	
01/17/10	3.012	2.941	2.915	2.953	3.008	3.166	3.375	3.624	3.719	3.690	3.612	3.487	3.377	3.251	3.170	3.118	3.195	3.431	3.720	3.791	3.723	3.613	3.362	
01/18/10	2.931	2.885	2.885	2.924	2.978	3.137	3.346	3.581	3.681	3.681	3.612	3.438	3.329	3.251	3.134	3.083	3.159	3.392	3.676	3.747	3.681	3.574	3.327	
01/19/10	2.983	2.911	2.885	2.924	2.978	3.137	3.346	3.581	3.681	3.681	3.612	3.438	3.329	3.251	3.134	3.083	3.159	3.392	3.676	3.747	3.681	3.574	3.327	
01/20/10	2.999	2.952	2.903	2.945	3.072	3.495	4.014	4.262	4.162	3.978	3.850	3.743	3.623	3.584	3.501	3.482	3.503	3.711	4.000	4.009	3.958	3.821	3.525	
01/21/10	2.889	2.833	2.779	2.815	2.931	3.326	3.824	4.056	3.982	3.830	3.736	3.655	3.557	3.522	3.460	3.440	3.453	3.631	3.894	3.911	3.854	3.715	3.418	
01/22/10	2.924	2.862	2.844	2.876	3.041	3.351	3.916	4.159	4.057	3.915	3.812	3.658	3.589	3.549	3.446	3.417	3.447	3.625	3.937	3.950	3.896	3.755	3.461	
01/23/10	2.927	2.825	2.807	2.820	2.872	3.028	3.264	3.506	3.628	3.655	3.599	3.492	3.406	3.300	3.226	3.186	3.224	3.383	3.640	3.661	3.585	3.464	3.279	
01/24/10	2.891	2.814	2.782	2.810	2.856	3.000	3.190	3.412	3.509	3.520	3.471	3.367	3.306	3.182	3.113	3.066	3.136	3.367	3.651	3.672	3.606	3.497	3.249	
01/25/10	2.755	2.690	2.687	2.731	2.854	3.202	3.800	4.020	3.957	3.820	3.771	3.667	3.606	3.522	3.541	3.522	3.539	3.667	3.851	3.892	3.801	3.648	3.323	
01/26/10	2.710	2.611	2.590	2.618	2.738	3.065	3.543	3.743	3.685	3.619	3.597	3.566	3.538	3.513	3.511	3.520	3.507	3.562	3.756	3.802	3.684	3.518	3.201	
01/27/10	2.729	2.627	2.603	2.628	2.745	3.065	3.543	3.743	3.685	3.619	3.597	3.566	3.538	3.513	3.511	3.520	3.507	3.562	3.756	3.802	3.684	3.518	3.201	
01/28/10	2.910	2.847	2.813	2.872	2.977	3.333	3.863	4.113	4.046	3.892	3.784	3.703	3.617	3.573	3.549	3.494	3.517	3.653	3.889	3.940	3.864	3.696	3.409	
01/29/10	2.692	2.630	2.626	2.638	2.725	3.032	3.538	3.726	3.693	3.621	3.578	3.554	3.488	3.479	3.454	3.426	3.425	3.457	3.575	3.615	3.517	3.404	3.165	
01/30/10	2.949	2.873	2.832	2.883	2.955	3.201	3.602	3.849	3.890	3.815	3.709	3.655	3.511	3.409	3.316	3.316	3.343	3.642	3.905	3.856	3.729	3.645		
01/31/10	2.904	2.828	2.796	2.825	2.872	3.019	3.211	3.436	3.532	3.525	3.475	3.382	3.296	3.189	3.118	3.071	3.142	3.357	3.617	3.689	3.618	3.509		
02/01/10	2.886	2.815	2.819	2.849	2.948	3.068	3.252	3.416	3.406	3.350	3.281	3.214	3.142	3.068	2.990	2.943	3.019	3.229	3.493	3.569	3.493	3.379		
02/02/10	3.012	2.962	2.910	2.948	3.068	3.252	3.416	3.406	3.350	3.281	3.214	3.142	3.068	2.990	2.943	3.019	3.229	3.493	3.569	3.493	3.379	3.261		
02/03/10	3.041	2.993	2.943	2.983	3.105	3.514	4.019	4.260	4.167	3.996	3.879	3.781	3.668	3.632	3.555	3.536	3.556	3.752	4.028	4.039	3.987	3.851		
02/04/10	3.124	3.080	3.032	3.082	3.211	3.638	4.157	4.410	4.306	4.101	3.959	3.843	3.715	3.671	3.584	3.560	3.579	3.804	4.106	4.112	4.064	3.933		
02/05/10	3.146	3.096	3.084	3.131	3.310	3.631	4.222	4.506	4.379	4.191	4.041	3.840	3.735	3.672	3.548	3.510	3.553	3.677	3.979	3.993	3.846	3.648		
02/06/10	3.276	3.182	3.182	3.220	3.299	3.475	3.765	4.068	4.174	4.114	3.964	3.769	3.626	3.479	3.376	3.320	3.360	3.590	3.919	3.900	3.827	3.723		
02/07/10	3.226	3.163	3.140	3.189	3.252	3.416	3.640	3.914	4.014	3.972	3.867	3.710	3.576	3.427	3.335	3.277	3.363	3.621	3.936	4.002	3.941	3.824		
02/08/10	3.309	3.226	3.259	3.305	3.498	3.873	4.470	4.776	4.658	4.482	4.305	4.084	3.947	3.880	3.748	3.780	3.826	4.121	4.500	4.445	4.419	4.253		
02/09/10	3.216	3.177	3.132	3.186	3.321	3.475	3.765	4.068	4.174	4.114	3.964	3.769	3.626	3.479	3.376	3.320	3.360	3.590	3.919	3.900	3.827	3.723		
02/10/10	3.323	3.196	3.152	3.207	3.343	3.789	4.320	4.586	4.464	4.235	4.062	3.924	3.774	3.718	3.619	3.595	3.624	3.879	4.207	4.205	4.161	4.032		
02/11/10	3.046	2.997	2.946	2.989	3.112	3.522	4.030	4.271	4.180	4.001	3.882	3.784	3.671	3.636	3.557	3.536	3.551	3.752	4.032	4.044	3.993	3.858		
02/12/10	3.123	3.070	3.058	3.103	3.280	3.598	4.185	4.462	4.338	4.157	4.015	3.821	3.722	3.662	3.542	3.505	3.546	3.660	3.955	3.974	3.875	3.826		
02/13/10	3.057	2.958	2.946	2.964	3.021	3.183	3.429	3.681	3.792	3.796	3.694	3.596	3.499	3.386	3.308	3.265	3.303	3.470	3.739	3.762	3.688	3.572		
02/14/10	3.020	2.946	2.918	2.950	3.000	3.149	3.346	3.577	3.669	3.653	3.592	3.487	3.393	3.281	3.208	3.159	3.231	3.451	3.719	3.789	3.721	3.614		
02/15/10	2.900	2.830	2.835	2.866	3.026	3.380	3.789	4.157	4.068	3.964	3.860	3.727	3.649	3.620	3.533	3.538	3.537	3.708	4.004	4.017	3.976	3.821		
02/16/10	2.977	2.925	2.871	2.907	3.023	3.416	3.911	4.140	4.062	3.914	3.814	3.729	3.630	3.601	3.530	3.514	3.531	3.708	3.982	3.928	3.788	3.626		
02/17/10	2.941	2.886	2.832	2.863	2.975	3.356	3.840	4.064	3.994	3.860	3.774	3.698	3.606	3.581	3.515	3.498	3.515	3.681	3.931	3.948	3.890	3.751		
02/18/10	2.811	2.707	2.682	2.709	2.824	3.137	3.638	3.803	3.761	3.702	3.694	3.615	3.657	3.641	3.647	3.659	3.645	3.678	3.866	3.866	3.806	3.626		
02/19/10	3.167	3.111	3.092	3.151	3.263																			

# APS Own Load Hourly mW Forecast

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Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/10	2.600	2.543	2.540	2.579	2.688	2.996	3.525	3.721	3.665	3.543	3.500	3.407	3.354	3.333	3.297	3.279	3.295	3.408	3.571	3.607	3.527	3.391	3.104	2.810
03/02/10	2.736	2.682	2.652	2.702	2.794	3.111	3.580	3.801	3.739	3.610	3.512	3.439	3.363	3.324	3.302	3.257	3.281	3.398	3.605	3.649	3.581	3.431	3.180	2.890
03/03/10	2.737	2.683	2.654	2.703	2.795	3.111	3.579	3.801	3.738	3.608	3.513	3.440	3.364	3.324	3.302	3.257	3.281	3.399	3.605	3.649	3.581	3.432	3.179	2.890
03/04/10	2.737	2.683	2.652	2.704	2.796	3.112	3.581	3.803	3.743	3.607	3.512	3.440	3.364	3.325	3.303	3.255	3.275	3.396	3.605	3.650	3.581	3.432	3.179	2.890
03/05/10	2.704	2.646	2.627	2.651	2.790	3.058	3.543	3.745	3.666	3.559	3.484	3.364	3.314	3.285	3.201	3.178	3.203	3.255	3.462	3.500	3.411	3.352	3.166	2.927
03/06/10	2.778	2.688	2.677	2.688	2.737	3.094	3.418	3.418	3.418	3.432	3.373	3.270	3.188	3.091	3.023	2.986	3.020	3.165	3.400	3.420	3.353	3.248	3.086	2.876
03/07/10	2.722	2.653	2.625	2.650	2.691	2.819	2.987	3.184	3.270	3.266	3.225	3.146	3.072	2.979	2.917	2.876	2.938	3.127	3.353	3.417	3.358	3.258	3.039	2.805
03/08/10	2.733	2.672	2.684	2.715	2.870	3.201	3.701	3.944	3.851	3.728	3.609	3.467	3.380	3.345	3.256	3.262	3.264	3.436	3.723	3.731	3.700	3.562	3.365	2.974
03/09/10	2.936	2.921	2.901	2.969	3.109	3.525	4.020	4.275	4.162	3.960	3.806	3.680	3.545	3.490	3.396	3.367	3.379	3.583	3.856	3.848	3.797	3.668	3.395	3.087
03/10/10	2.824	2.784	2.740	2.778	2.892	3.267	3.728	3.950	3.860	3.694	3.578	3.482	3.374	3.338	3.264	3.246	3.266	3.453	3.711	3.718	3.673	3.552	3.290	2.996
03/11/10	2.760	2.714	2.667	2.702	2.810	3.170	3.621	3.833	3.758	3.608	3.512	3.431	3.336	3.308	3.241	3.223	3.235	3.406	3.649	3.662	3.614	3.491	3.228	2.937
03/12/10	2.764	2.719	2.674	2.704	2.812	3.148	3.652	3.871	3.778	3.647	3.552	3.410	3.346	3.308	3.215	3.189	3.216	3.348	3.460	3.408	3.348	3.226	2.987	2.680
03/13/10	2.759	2.668	2.653	2.665	2.712	2.851	3.062	3.278	3.384	3.406	3.354	3.257	3.179	3.085	3.019	2.983	3.016	3.159	3.388	3.407	3.340	3.233	3.070	2.860
03/14/10	2.751	2.720	2.692	2.722	2.772	2.932	3.153	3.361	3.453	3.385	3.285	3.146	3.039	2.966	2.880	2.832	2.893	3.082	3.408	3.416	3.375	3.218	2.999	2.758
03/15/10	2.600	2.540	2.540	2.579	2.688	2.996	3.525	3.721	3.665	3.500	3.407	3.354	3.333	3.324	3.302	3.257	3.279	3.397	3.605	3.649	3.581	3.431	3.180	2.890
03/16/10	2.736	2.682	2.652	2.702	2.794	3.111	3.580	3.801	3.739	3.610	3.512	3.439	3.363	3.324	3.302	3.257	3.281	3.398	3.605	3.649	3.581	3.432	3.179	2.890
03/17/10	2.737	2.683	2.654	2.703	2.795	3.111	3.579	3.801	3.738	3.608	3.513	3.440	3.364	3.324	3.303	3.255	3.275	3.399	3.605	3.650	3.582	3.432	3.179	2.891
03/18/10	2.737	2.683	2.652	2.704	2.796	3.112	3.581	3.803	3.743	3.607	3.512	3.440	3.364	3.325	3.303	3.255	3.275	3.396	3.605	3.650	3.582	3.432	3.179	2.891
03/19/10	2.549	2.493	2.489	2.499	2.575	2.846	3.293	3.475	3.436	3.371	3.335	3.316	3.259	3.232	3.208	3.208	3.208	3.234	3.335	3.369	3.282	3.181	2.968	2.745
03/20/10	2.478	2.440	2.421	2.444	2.490	2.667	2.891	3.050	3.147	3.061	2.923	2.818	2.678	2.607	2.569	2.583	2.583	2.624	2.964	3.068	2.976	2.894	2.743	2.572
03/21/10	2.751	2.720	2.692	2.721	2.772	2.932	3.153	3.361	3.453	3.385	3.285	3.146	3.039	2.966	2.880	2.832	2.893	3.082	3.408	3.416	3.375	3.218	2.999	2.758
03/22/10	2.512	2.468	2.410	2.421	2.444	2.490	2.667	2.891	3.050	3.147	3.061	2.923	2.818	2.678	2.607	2.569	2.583	2.624	2.964	3.068	2.976	2.894	2.743	2.572
03/23/10	2.572	2.482	2.460	2.484	2.589	2.875	3.293	3.474	3.428	3.362	3.340	3.320	3.301	3.303	3.315	3.315	3.305	3.347	3.511	3.549	3.445	3.295	3.011	2.719
03/24/10	2.592	2.497	2.474	2.494	2.596	2.874	3.285	3.471	3.436	3.391	3.378	3.378	3.365	3.353	3.362	3.378	3.371	3.405	3.552	3.587	3.482	3.330	3.038	2.741
03/25/10	2.585	2.491	2.468	2.486	2.595	2.876	3.285	3.471	3.436	3.386	3.380	3.364	3.348	3.334	3.341	3.352	3.371	3.405	3.552	3.587	3.482	3.330	3.038	2.741
03/26/10	2.639	2.568	2.552	2.550	2.611	2.852	3.275	3.460	3.473	3.452	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440	3.440
03/27/10	2.503	2.460	2.433	2.451	2.492	2.662	2.876	3.036	3.143	3.153	3.090	2.969	2.882	2.758	2.699	2.672	2.687	2.812	3.029	3.126	3.033	2.943	2.782	2.601
03/28/10	2.592	2.517	2.464	2.465	2.471	2.556	2.874	3.036	3.143	3.153	3.090	2.969	2.882	2.758	2.699	2.672	2.687	2.812	3.029	3.126	3.033	2.943	2.782	2.601
03/29/10	2.637	2.574	2.483	2.491	2.610	2.842	3.227	3.424	3.525	3.584	3.665	3.694	3.716	3.836	3.899	3.954	3.962	3.965	3.946	3.955	3.855	3.675	3.319	2.960
03/30/10	2.773	2.641	2.588	2.589	2.673	2.900	3.254	3.484	3.558	3.578	3.648	3.704	3.747	3.850	3.909	3.969	3.962	3.965	3.946	3.955	3.855	3.675	3.319	2.960
03/31/10	2.685	2.570	2.532	2.541	2.633	2.882	3.261	3.470	3.484	3.487	3.567	3.694	3.776	3.883	3.959	3.954	3.962	3.965	3.946	3.955	3.855	3.675	3.319	2.960
04/01/10	2.796	2.678	2.637	2.649	2.742	2.992	3.373	3.587	3.605	3.603	3.643	3.670	3.690	3.709	3.749	3.787	3.843	3.857	3.822	3.804	3.795	3.698	3.551	3.284
04/02/10	2.835	2.750	2.723	2.710	2.758	2.975	3.382	3.585	3.635	3.651	3.685	3.746	3.746	3.800	3.838	3.843	3.843	3.857	3.822	3.804	3.795	3.698	3.551	3.284
04/03/10	2.631	2.582	2.549	2.574	2.626	2.852	3.252	3.452	3.525	3.584	3.665	3.694	3.716	3.836	3.899	3.954	3.962	3.965	3.946	3.955	3.855	3.675	3.319	2.960
04/04/10	2.616	2.559	2.525	2.540	2.565	2.682	2.834	2.971	3.067	3.097	3.059	2.993	2.936	2.860	2.794	2.793	2.805	2.949	3.178	3.336	3.269	3.123	2.907	2.643
04/05/10	2.577	2.541	2.496	2.523	2.566	2.700	2.834	2.971	3.067	3.097	3.059	2.993	2.936	2.860	2.794	2.793	2.805	2.949	3.178	3.336	3.269	3.123	2.907	2.643
04/06/10	2.697	2.601	2.576	2.576	2.601	2.730	2.982	3.197	3.254	3.308	3.350	3.489	3.476	3.465	3.474	3.491	3.483	3.516	3.666	3.700	3.596	3.441	3.148	2.848
04/07/10	2.789	2.739	2.689	2.715	2.815	3.157	3.391	3.792	3.732	3.617	3.544	3.479	3.398	3.377	3.318	3.304	3.319	3.465	3.687	3.704	3.651	3.523	3.262	2.972
04/08/10	2.927	2.884	2.827	2.843	2.928	3.046	3.303	3.432	3.438	3.432	3.426	3.426	3.426	3.426	3.426	3.426	3.426	3.426	3.426	3.426	3.426	3.426	3.426	3.426
04/09/10	2.785	2.725	2.704	2.726	2.862	3.128	3.607	3.805	3.732	3.635	3.568	3.456	3.412	3.387	3.306	3.283	3.309	3.355	3.554	3.593	3.502	3.439	3.250	3.008
04/10/10	2.763	2.703	2.682	2.698	2.864	3.128	3.607	3.805	3.732	3.635	3.568	3.456	3.412	3.387	3.306	3.283	3.309	3.355	3.554	3.593	3.502	3.439	3.250	3.008
04/11/10	2.588	2.539	2.513	2.534	2.566	2.698	2.864	2.998	3.077	3.085	3.021	2.924	2.841	2.740	2.651	2.632	2.641	2.803	3.176	3.245	3.176	3.044	2.843	2.594
04/12/10	2.605	2.563	2.508	2.531																				

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
05/01/10	3.152	3.027	2.905	2.869	2.836	2.948	3.084	3.302	3.565	3.775	3.942	4.018	4.135	4.177	4.256	4.332	4.384	4.346	4.319	4.330	4.188	3.981	3.673	3.348
05/02/10	3.192	3.050	2.931	2.890	2.844	2.862	2.926	3.122	3.375	3.626	3.816	3.995	4.152	4.270	4.367	4.507	4.532	4.546	4.503	4.528	4.442	4.161	3.784	3.362
05/03/10	3.035	2.945	2.806	2.801	2.932	3.166	3.838	4.021	4.150	4.302	4.389	4.542	4.655	4.770	4.866	4.880	4.842	4.880	4.704	4.705	4.580	4.352	3.901	3.452
05/04/10	3.282	3.084	2.994	2.977	3.056	3.264	3.612	3.930	4.083	4.213	4.378	4.517	4.624	4.722	4.845	4.957	4.972	4.867	4.813	4.755	4.624	4.382	3.938	3.507
05/05/10	3.142	2.968	2.893	2.884	2.971	3.203	3.578	3.869	3.976	4.066	4.191	4.294	4.373	4.447	4.546	4.635	4.648	4.573	4.563	4.433	4.408	4.182	3.762	3.353
05/06/10	2.938	2.800	2.751	2.763	2.867	3.146	3.575	3.822	3.850	3.856	3.908	3.945	3.972	3.999	4.050	4.096	4.083	4.083	4.172	4.185	4.067	3.870	3.496	3.125
05/07/10	2.922	2.832	2.806	2.796	2.858	3.116	3.588	3.811	3.851	3.852	3.875	3.926	3.914	3.962	3.992	3.992	4.005	3.978	3.983	3.983	3.875	3.717	3.426	3.140
05/08/10	2.788	2.720	2.669	2.676	2.780	2.879	2.997	3.098	3.222	3.474	3.475	3.388	3.337	3.241	3.207	3.208	3.230	3.329	3.310	3.601	3.490	3.361	3.149	2.912
05/09/10	2.748	2.675	2.628	2.640	2.660	2.782	2.939	3.098	3.222	3.279	3.262	3.215	3.175	3.113	3.060	3.075	3.092	3.238	3.463	3.625	3.550	3.372	3.141	2.797
05/10/10	2.732	2.679	2.607	2.630	2.775	3.075	3.544	3.736	3.782	3.780	3.805	3.776	3.804	3.815	3.836	3.859	3.862	3.921	4.002	4.048	3.939	3.762	3.401	3.031
05/11/10	2.923	2.790	2.742	2.753	2.858	3.138	3.576	3.818	3.838	3.845	3.889	3.920	3.943	3.966	4.012	4.060	4.060	4.050	4.141	4.160	4.042	3.845	3.478	3.110
05/12/10	3.144	2.969	2.895	2.885	2.972	3.204	3.578	3.869	3.978	4.068	4.194	4.298	4.376	4.451	4.550	4.640	4.652	4.577	4.566	4.456	4.411	4.185	3.765	3.355
05/13/10	3.177	2.995	2.916	2.908	2.993	3.218	3.586	3.885	4.008	4.100	4.237	4.350	4.437	4.518	4.624	4.716	4.724	4.645	4.626	4.590	4.464	4.235	3.807	3.391
05/14/10	3.208	3.083	3.030	3.045	3.105	3.204	3.304	3.402	3.462	3.462	3.462	3.422	3.480	3.460	3.473	3.473	3.472	3.472	3.452	3.477	3.450	3.439	3.777	3.455
05/15/10	3.096	2.978	2.864	2.833	2.809	2.927	3.071	3.285	3.534	3.724	3.868	3.925	4.021	4.049	4.114	4.200	4.231	4.208	4.205	4.227	4.090	3.892	3.596	3.281
05/16/10	3.094	2.962	2.855	2.823	2.788	2.819	2.894	3.083	3.317	3.538	3.696	3.844	3.973	4.068	4.147	4.200	4.231	4.208	4.205	4.227	4.090	3.892	3.596	3.281
05/17/10	3.173	3.072	2.910	2.896	3.025	3.239	3.643	3.914	4.137	4.300	4.488	4.604	4.789	4.924	5.061	5.174	5.189	5.133	4.979	4.923	4.790	4.552	4.077	3.606
05/18/10	3.539	3.304	3.194	3.166	3.234	3.410	3.718	4.082	4.296	4.483	4.708	4.902	5.046	5.173	5.328	5.469	5.486	5.347	5.240	5.137	4.986	4.726	4.247	3.787
05/19/10	3.499	3.270	3.164	3.133	3.203	3.382	3.696	3.983	4.261	4.531	4.825	5.098	5.275	5.420	5.582	5.728	5.728	5.176	5.080	4.932	4.675	4.200	3.744	3.288
05/20/10	3.494	3.264	3.158	3.133	3.203	3.382	3.696	3.983	4.261	4.531	4.825	5.098	5.275	5.420	5.582	5.728	5.728	5.176	5.080	4.932	4.675	4.200	3.744	3.288
05/21/10	3.549	3.329	3.264	3.264	3.256	3.391	3.795	4.118	4.350	4.531	4.724	4.985	5.090	5.275	5.420	5.582	5.728	5.176	5.080	4.932	4.675	4.200	3.744	3.288
05/22/10	3.400	3.253	3.097	3.045	2.981	3.076	3.185	3.424	3.740	4.022	4.276	4.467	4.607	4.694	4.819	4.947	4.978	4.891	4.758	4.588	4.354	4.006	3.647	3.193
05/23/10	3.462	3.298	3.150	3.095	3.024	3.018	3.065	3.279	3.570	3.887	4.138	4.378	4.589	4.747	4.874	5.044	5.057	5.040	4.934	4.921	4.819	4.508	4.101	3.647
05/24/10	3.517	3.396	3.187	3.154	3.286	3.466	3.842	4.123	4.440	4.659	4.908	5.069	5.312	5.470	5.641	5.777	5.792	5.719	5.495	5.382	5.231	4.983	4.467	3.958
05/25/10	3.797	3.530	3.406	3.371	3.434	3.588	3.866	4.273	4.531	4.757	5.029	5.264	5.431	5.573	5.749	5.911	5.925	5.766	5.636	5.491	5.317	5.048	4.545	4.065
05/26/10	4.154	3.831	3.679	3.624	3.670	3.787	4.014	4.462	4.747	4.994	5.304	5.570	5.739	5.868	6.047	6.212	6.203	6.063	5.957	5.798	5.621	5.380	4.888	4.426
05/27/10	4.149	3.824	3.671	3.619	3.664	3.781	4.009	4.457	4.745	4.984	5.293	5.558	5.727	5.857	6.035	6.197	6.182	6.043	5.945	5.788	5.613	5.374	4.881	4.420
05/28/10	4.095	3.910	3.828	3.722	3.657	3.724	4.118	4.488	4.785	5.014	5.263	5.622	5.948	6.103	6.156	6.225	6.225	6.133	5.865	5.692	5.540	5.299	4.842	4.529
05/29/10	3.921	3.756	3.548	3.482	3.367	3.463	3.555	3.832	4.219	4.593	4.962	5.157	5.444	5.552	5.724	5.878	5.900	5.764	5.591	5.515	5.284	5.036	4.642	4.251
05/30/10	3.897	3.712	3.531	3.464	3.341	3.444	3.386	3.625	3.952	4.341	4.650	4.940	5.198	5.515	5.733	5.938	5.999	5.919	5.685	5.509	5.471	5.245	4.850	4.079
05/31/10	3.891	3.719	3.525	3.476	3.370	3.357	3.412	3.629	4.027	4.477	4.787	5.159	5.397	5.511	5.733	5.938	5.999	5.919	5.685	5.509	5.471	5.245	4.850	4.079
06/01/10	3.914	3.645	3.521	3.487	3.346	3.688	3.946	4.352	4.614	4.843	5.121	5.360	5.527	5.667	5.842	6.004	6.015	5.858	5.728	5.575	5.398	5.136	4.645	4.178
06/02/10	3.667	3.428	3.318	3.287	3.320	3.508	3.791	4.159	4.383	4.579	4.818	5.023	5.171	5.300	5.497	5.603	5.620	5.477	5.302	5.193	5.042	4.792	4.321	3.873
06/03/10	3.629	3.394	3.285	3.257	3.322	3.484	3.772	4.135	4.355	4.538	4.770	4.969	5.114	5.241	5.397	5.534	5.546	5.410	5.302	5.193	5.042	4.792	4.321	3.873
06/04/10	3.558	3.314	3.248	3.287	3.281	3.412	3.802	4.111	4.330	4.501	4.684	4.930	5.031	5.206	5.344	5.402	5.452	5.331	5.109	4.986	4.841	4.602	4.195	3.864
06/05/10	3.290	3.160	3.028	2.986	2.942	3.041	3.159	3.378	3.654	3.886	4.084	4.186	4.331	4.393	4.489	4.596	4.627	4.568	4.408	4.501	4.353	4.141	3.828	3.500
06/06/10	3.204	3.070	2.959	2.922	2.881	2.922	2.965	3.152	3.391	3.624	3.798	3.963	4.106	4.214	4.303	4.432	4.457	4.476	4.443	4.473	4.392	4.125	3.767	3.365
06/07/10	3.210	3.114	2.959	2.945	2.969	3.275	3.664	3.925	4.139	4.295	4.475	4.586	4.764	4.893	5.025	5.133	5.148	4.947	4.894	4.766	4.537	4.080	3.627	3.294
06/08/10	3.130	3.092	2.905	2.886	2.883	2.973	3.124	3.594	3.857	3.930	3.987	4.080	4.154	4.264	4.341	4.412	4.420	4.370	4.395	4.383	4.267	4.060	3.673	3.294
06/09/10	3.100	2.947	2.886	2.883	2.901	2.988	3.175	3.722	4.011	4.197	4.338	4.492	4.699	4.783	4.937	5.058	5.107	5.150	5.038	4.851	4.753	4.619	4.394	3.687
06/10/10	3.291	3.161	3.029	2.987	2.943	3.042	3.160	3.378	3.654	3.887	4.085	4.187	4.332	4.394	4.491	4.598	4.629	4.570	4.509	4.502	4.354	4.142	3.829	3.500
06/11/10	3.416	3.281	3.220	3.169	3.127	3.253	3.430	3.801	4.082	4.354	4.553	4.780	4.926	5.147	5.297	5.455	5.581	5.596	5.527	5.326	5.089	4.851	4.364	3.882
06/12/10	3.291	3.161	3.029	2.987	2.943	3.042	3.160	3.378	3.654	3.887	4.085	4.187	4.332	4.394	4.491	4.598	4.629	4.570	4.509	4.502	4.354	4.142	3.829	3.500
06/13/10	3.399	3.247	3.114	3.066	3.005	3.006	3.055	3.255	3.524	3.809	4.032	4.246	4.433	4.574	4.689	4.844	4.862	4.854	4.769	4.660	4.675	4.385	4.002	3.574
06/14/10	3.457	3.345	3.155	3.127	3.253	3.430	3.801	4.082	4.354	4.553	4.780	4.926	5.147	5.297	5.455	5.581	5.596	5.527	5.326	5.089	4.851	4.364	3.882	3.500
06/15/10	3.701	3.457	3.343	3.313	3.375	3.532	3.812	4.184	4.416	4.618	4.860	5.070	5.221	5.353	5.514	5.662	5.677	5.531	5.414	5.292	5.135	4.879	4.404	3.951
06/16/10	3.914	3.646	3.523	3.488	3.547	3.688	3.945	4.352	4.613	4.841	5.121	5.362	5.528	5.666	5.842	6.003</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
07/01/10	4.302	4.025	3.903	3.871	3.925	4.039	4.247	4.662	4.933	5.160	5.451	5.703	5.867	5.994	6.165	6.323	6.322	6.173	6.055	5.882	5.694	5.455	4.992	4.557	
07/02/10	4.270	4.121	4.065	3.984	3.935	4.002	4.364	4.708	4.988	5.207	5.444	5.784	5.892	6.100	6.251	6.311	6.389	6.281	6.011	5.823	5.657	5.415	4.980	4.678	
07/03/10	4.190	4.045	3.850	3.791	3.675	3.766	3.846	4.096	4.449	4.794	5.139	5.315	5.586	5.677	5.833	5.972	5.986	5.859	5.700	5.626	5.408	5.194	4.840	4.494	
07/04/10	4.686	4.419	4.319	4.268	4.131	4.125	4.160	4.411	4.730	5.145	5.460	5.626	6.026	6.190	6.301	6.518	6.444	6.443	6.236	6.130	5.772	5.359	4.858		
07/05/10	4.445	4.307	4.111	4.080	3.954	3.939	3.996	4.187	4.561	4.991	5.288	5.698	5.944	6.033	6.248	6.440	6.443	6.329	6.081	6.005	5.738	5.496	5.187	4.853	
07/06/10	4.724	4.405	4.272	4.238	4.295	4.391	4.559	5.036	5.340	5.602	5.931	6.219	6.389	6.503	6.687	6.864	6.853	6.683	6.566	6.358	6.141	5.902	5.433	4.992	
07/07/10	4.688	4.372	4.241	4.207	4.263	4.360	4.531	5.003	5.303	5.562	5.891	6.176	6.344	6.460	6.643	6.817	6.909	6.642	6.523	6.319	6.103	5.864	5.394	4.954	
07/08/10	5.015	4.664	4.524	4.493	4.553	4.630	4.763	5.287	5.618	5.892	6.248	6.561	6.731	6.834	7.030	7.213	7.190	7.001	6.878	6.661	6.432	6.198	5.723	5.283	
07/09/10	5.065	4.937	4.933	4.847	4.759	4.773	5.162	5.574	5.907	6.159	6.457	6.922	7.014	7.274	7.466	7.519	7.667	7.506	7.106	6.850	6.637	6.326	5.818	5.496	
07/10/10	5.308	5.180	4.885	4.828	4.585	4.740	4.780	5.019	5.419	5.817	6.249	6.417	6.805	6.868	7.021	7.262	7.242	6.980	6.747	6.476	6.311	5.917	5.530	5.152	
07/11/10	5.012	4.853	4.634	4.597	4.430	4.425	4.436	4.711	5.052	5.504	5.848	6.191	6.498	6.688	6.819	7.094	6.994	6.950	6.724	6.755	6.646	6.278	5.827	5.252	
07/12/10	4.654	4.544	4.230	4.344	4.444	4.424	4.745	5.031	5.429	5.681	6.005	6.185	6.491	6.618	6.796	6.932	6.922	6.893	6.595	6.429	6.274	6.093	5.594	5.089	
07/13/10	4.612	4.304	4.174	4.140	4.196	4.297	4.477	4.937	5.232	5.487	5.807	6.085	6.254	6.372	6.553	6.726	6.718	6.555	6.438	6.237	6.026	5.786	5.318	4.878	
07/14/10	4.595	4.289	4.160	4.126	4.181	4.282	4.463	4.921	5.213	5.467	5.787	6.065	6.232	6.351	6.532	6.703	6.697	6.535	6.417	6.217	6.007	5.768	5.299	4.860	
07/15/10	4.712	4.393	4.261	4.229	4.286	4.381	4.551	5.027	5.332	5.586	5.917	6.205	6.373	6.489	6.673	6.845	6.831	6.666	6.551	6.345	6.128	5.892	5.419	4.979	
07/16/10	4.373	4.224	4.171	4.086	4.031	4.090	4.454	4.806	5.094	5.317	5.562	5.917	6.022	6.235	6.388	6.445	6.529	6.423	6.145	5.950	5.781	5.536	5.095	4.795	
07/17/10	4.394	4.230	4.039	3.981	3.845	3.947	4.026	4.282	4.649	5.011	5.379	5.556	5.849	5.931	6.089	6.237	6.244	6.104	5.938	5.864	5.627	5.420	5.059	4.708	
07/18/10	4.172	4.007	3.837	3.778	3.676	3.700	3.919	4.214	4.455	4.859	5.124	5.361	5.521	5.639	5.819	5.790	5.740	5.584	5.462	5.158	4.771	4.329	4.011	3.629	
07/19/10	4.308	4.190	3.926	3.879	4.018	4.128	4.441	4.721	5.079	5.317	5.605	5.778	6.052	6.187	6.357	6.489	6.490	6.446	6.186	6.024	5.870	5.668	5.181	4.693	
07/20/10	4.476	4.181	4.054	4.021	4.075	4.182	4.375	4.815	5.099	5.346	5.652	5.919	6.086	6.209	6.385	6.554	6.393	6.274	6.083	5.882	5.642	5.176	4.738	4.388	
07/21/10	4.524	4.225	4.098	4.064	4.118	4.222	4.410	4.857	5.144	5.393	5.707	5.979	6.145	6.267	6.445	6.614	6.610	6.451	6.332	6.138	5.932	5.693	5.226	4.787	
07/22/10	4.010	3.765	3.653	3.623	3.678	3.806	4.041	4.411	4.651	4.853	5.107	5.326	5.478	5.605	5.764	5.908	5.915	5.776	5.659	5.521	5.360	5.124	4.675	4.251	
07/23/10	4.174	4.026	3.968	3.848	3.923	4.281	4.617	4.889	5.144	5.332	5.656	5.765	5.969	6.118	6.179	6.179	6.252	6.141	5.879	5.699	5.528	5.298	4.870	4.411	
07/24/10	3.760	3.599	3.465	3.402	3.337	3.415	3.501	3.726	4.033	4.319	4.591	4.742	4.951	5.042	5.174	5.299	5.324	5.225	5.101	5.052	4.881	4.666	4.341	4.011	
07/25/10	3.750	3.599	3.460	3.407	3.334	3.324	3.362	3.557	3.824	4.125	4.365	4.593	4.795	4.943	5.060	5.218	5.222	5.199	5.089	5.067	4.969	4.688	4.322	3.914	
07/26/10	3.920	3.806	3.592	3.554	3.675	3.809	4.132	4.403	4.708	4.924	5.172	5.331	5.571	5.713	5.874	6.001	6.010	5.950	5.724	5.594	5.451	5.235	4.766	4.301	
07/27/10	4.232	3.964	3.843	3.810	3.863	3.981	4.196	4.599	4.861	5.091	5.372	5.615	5.777	5.904	6.073	6.232	6.236	6.086	5.965	5.798	5.617	5.376	4.918	4.485	
07/28/10	4.160	3.900	3.783	3.743	3.802	3.923	4.143	4.536	4.790	5.013	5.287	5.524	5.682	5.809	5.976	6.130	6.138	5.986	5.710	5.535	5.295	4.840	4.409	4.049	
07/29/10	4.493	4.196	4.070	4.038	4.092	4.198	4.389	4.833	5.120	5.361	5.671	5.851	6.108	6.231	6.408	6.573	6.566	6.411	6.295	6.104	5.901	5.663	5.194	4.756	
07/30/10	4.645	4.495	4.452	4.360	4.284	4.320	4.690	5.060	5.362	5.591	5.851	6.244	6.337	6.560	6.718	6.767	6.667	6.764	6.642	6.424	6.241	5.976	5.497	5.189	
07/31/10	4.479	4.335	4.117	4.059	3.916	4.022	4.100	4.439	4.730	5.097	5.473	5.650	5.950	6.029	6.188	6.339	6.344	6.125	6.090	5.939	5.905	5.770	5.442	5.027	4.547
08/01/10	4.383	4.206	4.018	3.956	3.839	3.825	3.866	4.106	4.426	4.824	5.134	5.422	5.681	5.850	5.971	6.168	6.197	6.028	5.957	5.713	5.510	5.146	4.646	4.293	
08/02/10	4.631	4.197	4.197	4.141	4.308	4.414	4.738	5.038	5.446	5.707	6.037	6.225	6.537	6.673	6.858	6.999	6.993	6.958	6.688	6.481	6.316	6.117	5.895	5.067	
08/03/10	4.717	4.389	4.251	4.216	4.275	4.474	4.753	5.057	5.370	5.641	6.067	6.275	6.454	6.578	6.769	6.952	6.944	6.770	6.647	6.433	6.209	5.956	5.462	4.998	
08/04/10	4.464	4.163	4.032	3.996	4.053	4.169	4.380	4.831	5.122	5.376	5.693	5.968	6.142	6.273	6.458	6.631	6.632	6.468	6.341	6.148	5.942	5.688	5.199	4.737	
08/05/10	4.721	4.455	4.315	4.282	4.342	4.444	4.624	5.125	5.445	5.713	6.061	6.364	6.542	6.664	6.838	7.040	7.026	7.026	6.852	6.731	6.514	6.285	5.537	5.072	
08/06/10	4.727	4.569	4.523	4.425	4.346	4.434	4.775	5.166	5.484	5.725	5.999	6.414	6.512	6.748	6.914	6.966	6.962	6.644	6.424	6.241	5.976	5.497	4.997	4.519	
08/07/10	4.650	4.500	4.262	4.201	4.040	4.158	4.239	4.513	4.910	5.303	5.708	5.893	6.219	6.298	6.466	6.631	6.633	6.470	6.287	6.217	5.953	5.742	5.355	4.980	
08/08/10	4.705	4.528	4.321	4.265	4.126	4.118	4.157	4.417	4.751	5.181	5.511	5.819	6.097	6.268	6.385	6.607	6.535	6.500	6.331	6.316	6.176	5.830	5.398	4.881	
08/09/10	4.656	4.538	4.219	4.166	4.332	4.436	4.438	4.760	5.061	5.472	5.734	6.067	6.255	6.509	6.705	6.890	7.032	7.025	6.991	6.688	6.511	6.347	5.626	5.097	
08/10/10	5.655	5.191	4.993	4.924	4.662	4.932	4.962	5.384	5.972	6.685	7.039	7.194	7.472	7.254	7.472	7.667	7.665	7.421	7.275	7.115	6.939	6.749	6.299	5.896	
08/11/10	5.363	4.935	4.752	4.687	4.724	4.753	4.819	5.389	5.737	6.026	6.395	6.721	6.873	6.941	7.136	7.315	7.340	7.151	7.046	6.868	6.676	6.481	6.029	5.618	
08/12/10	4.778	4.443	4.304	4.271	4.330	4.432	4.614	5.113	5.433	5.704	6.047	6.349	6.527	6.649	6.843	7.024	7.010	6.837	6.716	6.500	6.272	6.022	5.524	5.059	
08/13/10	4.967	4.809	4.774	4.668	4.569	4.583	4.975	5.378	5.704	6.239	6.673	6.763	6.763	7.008	7.180	7.223	7.343	7.230	6.882	6.658	6.477	6.203	5.718	5.419	
08/14/10	4.667	4.481	4.278	4.217	4.054	4.173	4.255	4.528	4.926	5.320	5.726	5.911	6.239	6.317	6.485	6.651	6.653	6.489	6.304	6.235	5.970	5.760	5.372	4.997	
08/15/10	4.659	4.481	4.277	4.220	4.084	4.076	4.116	4.372	4.704	5.130	5.456	5.761	6.036	6.206	6.323	6.541	6.472	6.438	6.273	6.254	6.114	5.770	5.342	4.831	
08/16/10	4.721	4.605	4.276	4.223	4.395	4.498	4.819	5.121	5.539	5.803	6.143	6.333	6.654	6.788	6.975	7.119	7.109	7.078	6.7						

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
09/01/10	3.701	3.436	3.315	3.280	3.340	3.485	3.747	4.149	4.405	4.630	4.904	5.139	5.303	5.442	5.616	5.774	5.788	5.632	5.502	5.356	5.182	4.921	4.629	3.963
09/02/10	3.877	3.591	3.463	3.429	3.488	3.622	3.870	4.299	4.579	4.815	5.113	5.372	5.546	5.687	5.869	6.035	6.040	5.881	5.750	5.581	5.390	5.128	4.624	4.150
09/03/10	4.054	3.889	3.827	3.737	3.682	3.755	4.155	4.536	4.847	5.090	5.353	5.732	5.850	6.081	6.249	6.314	6.401	6.282	5.983	5.774	5.590	5.322	4.840	4.507
09/04/10	3.592	3.435	3.250	3.188	3.094	3.327	3.373	3.530	3.885	4.222	4.548	4.727	4.979	5.083	5.240	5.382	5.408	5.288	5.137	5.072	4.868	4.628	4.259	3.888
09/05/10	3.885	3.703	3.518	3.453	3.343	3.327	3.368	3.608	3.932	4.327	4.637	4.927	5.187	5.363	5.493	5.690	5.661	5.625	5.474	5.436	5.303	4.969	4.543	4.058
09/06/10	4.363	4.224	4.004	3.978	3.833	3.814	3.888	4.101	4.512	4.983	5.311	5.784	6.065	6.154	6.395	6.606	6.606	6.461	6.176	6.079	5.784	5.527	5.212	4.858
09/07/10	4.105	3.797	3.660	3.623	3.682	3.808	4.035	4.497	4.797	5.059	5.382	5.663	5.844	5.984	6.174	6.354	6.356	6.186	6.053	5.857	5.647	5.381	4.871	4.390
09/08/10	4.258	3.933	3.794	3.856	3.816	3.974	4.146	4.632	4.944	5.216	5.557	5.852	6.035	6.171	6.366	6.551	6.549	6.374	6.243	6.033	5.810	5.545	5.030	4.546
09/09/10	4.421	4.078	3.935	3.899	3.961	4.072	4.269	4.780	5.108	5.383	5.739	6.049	6.235	6.366	6.566	6.753	6.741	6.564	6.437	6.215	5.982	5.719	5.199	4.714
09/10/10	4.505	4.338	4.291	4.184	4.094	4.125	4.533	4.943	5.276	5.527	5.815	6.255	6.352	6.599	6.772	6.822	6.934	6.824	6.488	6.261	6.074	5.799	5.301	4.986
09/11/10	4.006	3.846	3.625	3.561	3.427	3.530	3.618	3.897	4.291	4.677	5.067	5.262	5.668	5.666	5.839	5.995	6.009	5.864	5.687	5.604	5.357	5.123	4.730	4.345
09/12/10	4.040	3.855	3.661	3.596	3.476	3.461	3.504	3.753	4.085	4.496	4.818	5.117	5.386	5.562	5.690	5.894	5.852	5.816	5.659	5.623	5.483	5.142	4.710	4.211
09/13/10	3.914	3.784	3.514	3.464	3.609	3.739	4.088	4.395	4.770	5.025	5.328	5.515	5.804	5.956	6.142	6.286	6.291	6.234	5.961	5.792	5.625	5.395	4.864	4.334
09/14/10	4.100	3.791	3.655	3.618	3.677	3.843	4.030	4.792	5.053	5.376	5.655	5.927	6.202	6.166	6.346	6.346	6.348	6.179	6.046	5.850	5.641	5.374	4.865	4.384
09/15/10	4.151	3.838	3.702	3.688	3.723	3.808	4.067	4.532	4.840	5.104	5.434	5.720	6.023	6.413	6.413	6.413	6.414	6.243	6.110	5.910	5.696	5.430	4.918	4.436
09/16/10	4.248	3.923	3.784	3.748	3.808	3.927	4.141	4.626	4.940	5.204	5.544	5.839	6.023	6.159	6.354	6.535	6.529	6.359	6.230	6.022	5.800	5.537	5.020	4.536
09/17/10	4.004	3.840	3.777	3.688	3.637	3.713	4.112	4.489	4.797	5.036	5.296	5.668	5.787	6.015	6.182	6.248	6.248	6.076	5.948	5.748	5.522	5.263	4.785	4.450
09/18/10	3.798	3.638	3.435	3.371	3.257	3.350	3.439	3.708	4.086	4.451	4.813	5.003	5.285	5.389	5.556	5.706	5.726	5.593	5.448	5.348	5.122	4.882	4.499	4.120
09/19/10	3.889	3.707	3.521	3.456	3.346	3.330	3.372	3.612	3.936	4.231	4.642	4.932	5.192	5.368	5.498	5.695	5.666	5.530	5.479	5.440	5.308	4.973	4.547	4.062
09/20/10	3.942	3.812	3.538	3.488	3.634	3.763	4.111	4.418	4.797	5.054	5.359	5.547	5.838	5.990	6.176	6.320	6.325	6.269	5.994	5.823	5.656	5.426	4.894	4.362
09/21/10	3.638	3.381	3.261	3.228	3.289	3.438	3.708	4.100	4.348	4.566	4.827	5.054	5.214	5.351	5.521	5.677	5.690	5.537	5.412	5.273	5.106	4.845	4.360	3.897
09/22/10	3.786	3.512	3.387	3.321	3.410	3.550	3.804	4.219	4.486	4.720	5.006	5.253	5.422	5.562	5.740	5.904	5.916	5.756	5.624	5.465	5.283	5.021	4.540	4.053
09/23/10	3.455	3.219	3.110	3.083	3.148	3.311	3.601	3.965	4.185	4.368	4.600	4.799	4.944	5.071	5.227	5.365	5.377	5.241	5.133	5.025	4.873	4.622	4.149	3.700
09/24/10	3.324	3.182	3.119	3.061	3.061	3.202	3.595	3.896	4.102	4.261	4.432	4.662	4.755	4.923	5.054	5.108	5.156	5.037	4.829	4.717	4.576	4.342	3.944	3.614
09/25/10	3.607	3.342	3.263	3.232	3.105	3.342	3.899	4.239	4.568	4.748	5.003	5.107	5.264	5.408	5.433	5.513	5.160	5.093	4.888	4.648	4.447	4.277	3.905	3.486
09/26/10	3.307	3.149	3.008	2.956	2.888	2.884	2.930	3.135	3.415	3.719	3.958	4.188	4.389	4.540	4.662	4.825	4.838	4.823	4.723	4.712	4.615	4.316	3.924	3.486
09/27/10	3.082	2.981	2.819	2.803	2.928	3.129	3.516	3.782	4.009	4.174	4.364	4.483	4.670	4.804	4.943	5.055	5.070	5.012	4.833	4.792	4.661	4.429	3.964	3.503
09/28/10	3.992	3.341	3.223	3.191	3.252	3.405	3.680	4.064	4.306	4.517	4.771	4.991	5.148	5.284	5.450	5.603	5.617	5.467	5.344	5.213	5.049	4.790	4.308	3.848
09/29/10	3.233	3.029	2.937	2.915	2.987	3.175	3.496	3.819	3.989	4.135	4.318	4.473	4.589	4.695	4.827	4.945	4.961	4.847	4.773	4.702	4.568	4.329	3.885	3.458
09/30/10	3.067	2.863	2.787	2.843	2.863	3.042	3.441	3.728	3.843	3.929	4.058	4.165	4.246	4.323	4.422	4.510	4.518	4.443	4.428	4.396	4.275	4.055	3.642	3.243
10/01/10	2.964	2.852	2.807	2.775	2.806	2.998	3.410	3.659	3.775	3.851	3.952	4.073	4.115	4.220	4.301	4.328	4.356	4.278	4.174	4.125	4.009	3.818	3.488	3.189
10/02/10	2.817	2.719	2.630	2.611	2.604	2.731	2.887	3.081	3.290	3.430	3.519	3.533	3.582	3.575	3.609	3.669	3.696	3.707	3.754	3.796	3.677	3.507	3.250	2.972
10/03/10	2.817	2.705	2.618	2.592	2.576	2.624	2.711	2.884	3.074	3.266	3.366	3.466	3.552	3.610	3.660	3.754	3.781	3.834	3.874	3.943	3.870	3.636	3.314	2.948
10/04/10	2.904	2.815	2.676	2.668	2.792	3.007	3.399	3.647	3.834	3.967	4.124	4.216	4.372	4.487	4.604	4.701	4.714	4.672	4.554	4.518	4.397	4.177	3.740	3.306
10/05/10	3.123	2.931	2.843	2.826	2.899	3.093	3.419	3.726	3.879	4.009	4.172	4.311	4.417	4.514	4.635	4.744	4.759	4.655	4.597	4.537	4.411	4.179	3.753	3.340
10/06/10	3.183	2.982	2.891	2.869	2.940	3.124	3.439	3.758	3.925	4.069	4.250	4.403	4.517	4.622	4.867	4.867	4.884	4.771	4.697	4.627	4.496	4.261	3.824	3.404
10/07/10	3.399	3.167	3.060	3.033	3.097	3.257	3.542	3.900	4.116	4.296	4.524	4.720	4.862	4.988	5.141	5.276	5.289	5.155	5.048	4.941	4.793	4.546	4.081	3.640
10/08/10	3.348	3.149	2.996	2.966	2.966	3.091	3.258	3.621	3.902	4.186	4.464	4.710	4.810	4.986	5.123	5.180	5.231	5.111	4.889	4.765	4.621	4.479	3.979	3.652
10/09/10	3.284	3.141	2.983	2.930	2.862	2.949	3.048	3.281	3.595	3.880	4.143	4.289	4.489	4.580	4.709	4.836	4.865	4.772	4.658	4.620	4.449	4.221	3.882	3.534
10/10/10	3.279	3.122	2.981	2.928	2.859	2.854	2.898	3.102	3.380	3.683	3.923	4.153	4.355	4.506	4.627	4.790	4.801	4.784	4.682	4.668	4.571	4.275	3.887	3.455
10/11/10	3.308	3.194	2.996	2.966	2.966	3.091	3.258	3.621	3.902	4.186	4.462	4.779	5.008	5.138	5.320	5.449	5.463	5.394	5.182	5.077	4.934	4.698	4.210	3.727
10/12/10	3.636	3.382	3.266	3.238	3.301	3.450	3.714	4.112	4.368	4.593	4.863	5.097	5.263	5.404	5.579	5.740	5.757	5.594	5.458	5.305	5.125	4.858	4.367	3.899
10/13/10	3.393	3.163	3.057	3.028	3.091	3.252	3.537	3.892	4.105	4.290	4.517	4.711	4.852	4.976	5.129	5.267	5.284	5.147	5.038	4.932	4.783	4.535	4.074	3.652
10/14/10	3.278	3.062	2.963	2.940	3.008	3.180	3.481	3.818	4.010	4.168	4.371	4.544	4.788	4.929	5.053	5.205	5.065	4.944	4.854	4.768	4.630	4.389	3.939	3.508
10/15/10	3.123	2.995	2.939	2.893	2.906	3.068	3.463	3.737	3.902	4.024	4.159	4.342	4.414	4.553	4.663	4.706	4.744	4.641	4.477	4.395	4.268	4.054	3.689	3.375
10/16/10	2.869	2.763	2.665	2.640	2.625	2.744	2.890	3.088	3.312	3.473	3.586	3.622	3.693	3.704	3.752	3.824	3.852	3.846	3.866	3.897	3.773	3.593	3.323	3.034
10/17/10	2.797	2.688	2.604	2.585	2.568	2.619	2.710	2.881	3.074	3.238	3.342	3.433	3.511	3.563	3.606	3.696								

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# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/10	2.533	2.497	2.454	2.482	2.618	2.907	3.346	3.496	3.492	3.443	3.421	3.353	3.334	3.301	3.285	3.276	3.274	3.369	3.513	3.572	3.477	3.340	3.049	2.745
11/02/10	2.646	2.552	2.529	2.553	2.659	2.951	3.379	3.565	3.522	3.472	3.460	3.439	3.421	3.404	3.408	3.421	3.411	3.453	3.616	3.654	3.547	3.393	3.099	2.798
11/03/10	2.632	2.541	2.523	2.547	2.656	2.951	3.384	3.567	3.514	3.456	3.439	3.413	3.388	3.366	3.365	3.373	3.363	3.412	3.585	3.627	3.519	3.368	3.078	2.781
11/04/10	2.648	2.553	2.530	2.555	2.662	2.952	3.379	3.568	3.527	3.471	3.462	3.443	3.425	3.408	3.413	3.424	3.411	3.457	3.619	3.658	3.551	3.398	3.137	2.800
11/05/10	2.697	2.627	2.611	2.624	2.676	2.927	3.364	3.552	3.559	3.533	3.529	3.547	3.516	3.508	3.545	3.534	3.541	3.537	3.584	3.599	3.506	3.380	3.137	2.893
11/06/10	2.594	2.627	2.610	2.624	2.660	2.728	2.939	3.105	3.225	3.248	3.200	3.092	3.018	2.906	2.855	2.838	2.855	2.969	3.170	3.264	3.167	3.066	2.893	2.698
11/07/10	2.590	2.529	2.491	2.504	2.526	2.640	2.789	2.930	3.033	3.073	3.045	2.989	2.940	2.873	2.815	2.820	2.833	2.973	3.192	3.346	3.278	3.125	2.899	2.625
11/08/10	2.738	2.533	2.473	2.495	2.626	2.899	3.323	3.490	3.522	3.511	3.524	3.490	3.506	3.507	3.519	3.533	3.535	3.597	3.683	3.728	3.631	3.477	3.161	2.835
11/09/10	2.788	2.624	2.585	2.598	2.694	2.956	3.352	3.562	3.568	3.563	3.592	3.610	3.623	3.637	3.671	3.707	3.705	3.707	3.825	3.920	3.825	3.720	3.548	3.202
11/10/10	2.835	2.701	2.650	2.652	2.739	2.974	3.340	3.574	3.574	3.568	3.578	3.584	3.601	3.631	3.661	3.661	3.684	3.952	3.997	3.995	3.888	3.702	3.554	3.009
11/11/10	2.724	2.617	2.576	2.592	2.690	2.955	3.356	3.564	3.564	3.546	3.571	3.584	3.601	3.631	3.661	3.661	3.684	3.665	3.777	3.799	3.693	3.526	3.206	2.885
11/12/10	2.838	2.747	2.715	2.698	2.742	2.952	3.360	3.573	3.639	3.669	3.717	3.794	3.871	3.919	3.919	3.947	3.901	3.862	3.844	3.743	3.583	3.303	3.036	2.794
11/13/10	2.676	2.608	2.555	2.556	2.575	2.722	2.906	3.078	3.228	3.294	3.299	3.241	3.215	3.147	3.130	3.144	3.165	3.236	3.372	3.445	3.343	3.218	3.016	2.794
11/14/10	2.517	2.426	2.349	2.325	2.337	2.439	2.570	2.719	2.779	2.959	3.027	3.027	3.009	2.914	2.844	2.822	2.868	2.983	3.113	3.183	3.156	2.960	2.727	2.473
11/15/10	2.669	2.616	2.607	2.637	2.739	3.076	3.619	3.819	3.762	3.637	3.593	3.498	3.443	3.421	3.384	3.367	3.382	3.498	3.666	3.703	3.620	3.481	3.186	2.884
11/16/10	2.658	2.561	2.536	2.558	2.663	2.951	3.374	3.564	3.527	3.484	3.477	3.462	3.448	3.435	3.443	3.460	3.451	3.487	3.641	3.677	3.570	3.413	3.116	2.812
11/17/10	2.618	2.531	2.515	2.541	2.651	2.952	3.390	3.569	3.509	3.443	3.419	3.387	3.357	3.330	3.324	3.329	3.317	3.372	3.526	3.601	3.478	3.285	3.013	2.766
11/18/10	2.632	2.540	2.521	2.548	2.657	2.952	3.386	3.570	3.520	3.455	3.438	3.412	3.388	3.366	3.365	3.371	3.356	3.408	3.585	3.627	3.519	3.370	3.079	2.782
11/19/10	2.611	2.554	2.551	2.562	2.641	2.921	3.382	3.553	3.521	3.456	3.416	3.393	3.332	3.323	3.300	3.275	3.274	3.303	3.412	3.448	3.359	3.257	3.040	2.812
11/20/10	2.845	2.776	2.739	2.786	2.850	3.074	3.439	3.664	3.701	3.632	3.536	3.405	3.357	3.264	3.179	3.179	3.223	3.476	3.715	3.670	3.554	3.478	3.285	3.013
11/21/10	2.824	2.792	2.763	2.793	2.846	3.009	3.336	3.450	3.545	3.485	3.372	3.336	3.320	3.045	2.956	2.907	2.970	3.164	3.499	3.506	3.465	3.303	3.079	2.832
11/22/10	2.665	2.595	2.594	2.617	2.750	3.055	3.515	3.721	3.664	3.604	3.556	3.436	3.380	3.359	3.288	3.294	3.293	3.431	3.684	3.691	3.645	3.497	3.199	2.913
11/23/10	2.809	2.754	2.722	2.774	2.869	3.193	3.676	3.902	3.839	3.706	3.606	3.530	3.453	3.413	3.390	3.344	3.368	3.489	3.701	3.746	3.677	3.522	3.264	2.967
11/24/10	2.810	2.754	2.724	2.775	2.870	3.193	3.675	3.902	3.837	3.704	3.606	3.532	3.453	3.413	3.390	3.344	3.369	3.489	3.701	3.746	3.676	3.523	3.264	2.967
11/25/10	2.971	2.909	2.886	2.928	2.983	3.135	3.338	3.581	3.672	3.541	3.405	3.288	3.156	3.093	3.021	3.086	3.167	3.413	3.709	3.770	3.716	3.621	3.391	3.130
11/26/10	3.050	2.994	2.972	3.020	3.078	3.231	3.442	3.701	3.799	3.654	3.500	3.369	3.226	3.141	3.086	3.161	3.413	3.709	3.770	3.716	3.621	3.391	3.130	3.130
11/27/10	3.208	3.129	3.129	3.167	3.250	3.412	3.689	3.987	4.098	4.032	3.873	3.667	3.516	3.366	3.258	3.199	3.238	3.496	3.817	3.764	3.696	3.604	3.452	3.250
11/28/10	3.103	3.049	3.028	3.079	3.142	3.299	3.512	3.778	3.831	3.726	3.571	3.440	3.295	3.206	3.148	3.234	3.485	3.786	3.844	3.789	3.676	3.432	3.165	3.165
11/29/10	2.963	2.897	2.923	2.960	3.135	3.484	4.026	4.312	4.207	4.042	3.879	3.690	3.569	3.515	3.400	3.416	3.433	3.651	3.985	3.968	3.944	3.800	3.500	3.199
11/30/10	2.875	2.831	2.784	2.822	2.937	3.318	3.924	4.312	4.207	4.042	3.879	3.690	3.569	3.515	3.400	3.416	3.433	3.651	3.985	3.968	3.944	3.800	3.500	3.199
12/01/10	3.100	3.057	3.009	3.058	3.191	3.630	4.162	4.422	4.310	4.104	3.954	3.833	3.698	3.651	3.539	3.564	3.794	4.104	4.060	4.060	3.924	3.625	3.288	3.288
12/02/10	3.170	3.129	3.083	3.140	3.277	3.729	4.270	4.540	4.421	4.188	4.019	3.883	3.736	3.683	3.584	3.558	3.581	3.837	4.167	4.169	4.123	3.991	3.689	3.349
12/03/10	3.175	3.128	3.118	3.172	3.361	3.929	4.307	4.616	4.478	4.269	4.097	3.873	3.750	3.675	3.539	3.496	3.548	3.750	4.027	4.028	3.926	3.879	3.678	3.409
12/04/10	3.347	3.250	3.258	3.299	3.388	3.669	3.875	4.202	4.320	4.247	4.073	3.849	3.687	3.524	3.407	3.343	3.386	3.659	4.012	4.022	3.963	3.888	3.785	3.393
12/05/10	3.221	3.158	3.135	3.188	3.254	3.424	3.656	3.942	4.046	4.001	3.890	3.723	3.583	3.426	3.330	3.269	3.359	3.629	3.956	4.022	3.961	3.839	3.575	3.284
12/06/10	3.277	3.199	3.239	3.292	3.496	3.886	4.503	4.826	4.702	4.518	4.331	4.103	3.958	3.886	3.747	3.777	3.818	4.114	4.499	4.441	4.240	3.897	3.561	3.165
12/07/10	3.601	3.547	3.454	3.489	3.601	4.086	4.652	4.900	4.749	4.460	4.235	4.039	3.841	3.787	3.666	3.652	3.724	4.123	4.554	4.555	4.240	3.897	3.561	3.165
12/08/10	3.666	3.616	3.515	3.545	3.657	4.155	4.744	4.981	4.821	4.532	4.322	4.122	3.924	3.878	3.757	3.743	3.820	4.229	4.653	4.628	4.240	3.893	3.561	3.165
12/09/10	3.462	3.398	3.314	3.349	3.459	3.920	4.455	4.710	4.575	4.292	4.072	3.895	3.710	3.652	3.540	3.524	3.585	3.956	4.380	4.375	4.360	4.265	3.972	3.638
12/10/10	3.198	3.153	3.143	3.199	3.390	3.722	4.339	4.654	4.514	4.300	4.122	3.892	3.763	3.685	3.545	3.502	3.557	3.717	4.050	4.047	3.944	3.898	3.697	3.428
12/11/10	3.382	3.284	3.295	3.337	3.428	3.608	3.914	4.245	4.367	4.294	4.118	3.889	3.723	3.557	3.437	3.372	3.415	3.701	4.056	3.997	3.923	3.820	3.652	3.429
12/12/10	3.123	3.050	3.081	3.124	3.319	3.708	4.310	4.629	4.513	4.328	4.145	3.934	3.797	3.736	3.608	3.625	3.644	3.888	4.258	4.237	4.210	4.049	3.717	3.382
12/13/10	3.192	3.153	3.107	3.163	3.302	3.759	4.301	4.673	4.449	4.218	4.040	3.899	3.747	3.692	3.591	3.568	3.595	3.854	4.188	4.142	4.009	3.710	3.369	3.069
12/14/10	3.123	3.050	3.081	3.124	3.319	3.708	4.310	4.629	4.513	4.328	4.145	3.934	3.797	3.736	3.608	3.625	3.644	3.888	4.258	4.237	4.210	4.049	3.717	3.382
12/15/10	3.087	3.043	2.994	3.042	3.174	3.610	4.140	4.399	4.289	4.087	3.941	3.823	3.691	3.645	3.556	3.535	3.559	3.785	4.091	4.097	4.047	3.911	3.612	3.276
12/16/10	3.073	3.027	2.977	3.027	3.158	3.592	4.121	4.378	4.274	4.069	3.927	3.812	3.684	3.640	3.553	3.529	3.547	3.773	4.078	4.085	4.036	3.901	3.600	3.264
12/17/10	3.020	2.962	2.947	2.985	3.159	3.479	4.065	4.328	4.213	4.048	3.923	3.746	3.661	3.610	3.524	3.497								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
01/01/11	3,238	3,139	3,042	3,171	3,248	3,430	3,724	4,028	4,137	4,088	3,949	3,762	3,624	3,479	3,378	3,323	3,364	3,585	3,915	3,911	3,835	3,724	3,547	3,310	
01/02/11	3,139	3,068	3,002	3,075	3,144	3,310	3,531	3,797	3,895	3,861	3,770	3,630	3,508	3,371	3,283	3,228	3,310	3,561	3,869	3,941	3,835	3,724	3,547	3,310	
01/03/11	3,087	3,015	3,038	3,079	3,270	3,665	4,267	4,576	4,459	4,287	4,120	3,925	3,803	3,750	3,631	3,643	3,652	3,878	4,238	4,234	4,041	3,699	3,577	3,215	
01/04/11	3,203	3,161	3,112	3,167	3,306	3,766	4,317	4,589	4,468	4,244	4,074	3,938	3,792	3,739	3,641	3,618	3,644	3,895	4,226	4,227	4,180	4,042	3,736	3,389	
01/05/11	3,389	3,357	3,314	3,380	3,528	4,016	4,584	4,877	4,733	4,462	4,249	4,078	3,895	3,826	3,708	3,679	3,717	4,024	4,400	4,389	4,347	4,218	3,908	3,554	
01/06/11	3,297	3,259	3,213	3,276	3,421	3,895	4,455	4,740	4,610	4,353	4,161	4,008	3,843	3,782	3,644	3,672	3,955	4,302	4,408	4,308	4,264	3,472	3,472	3,472	
01/07/11	3,352	3,310	3,301	3,367	3,569	3,911	4,549	4,892	4,744	4,505	4,298	4,042	3,890	3,797	3,641	3,593	3,662	3,862	4,221	4,200	4,093	4,050	3,847	3,568	
01/08/11	3,620	3,557	3,521	3,563	3,653	3,825	4,080	4,396	4,557	4,556	4,445	4,253	4,099	3,928	3,811	3,744	3,796	4,129	4,444	4,383	4,315	4,203	4,004	3,751	
01/09/11	3,412	3,350	3,334	3,403	3,480	3,669	3,921	4,234	4,336	4,285	4,168	3,994	3,850	3,627	3,591	3,520	3,626	3,933	4,273	4,424	4,265	4,139	3,848	3,529	
01/10/11	3,439	3,380	3,436	3,528	3,758	4,188	4,849	5,142	4,979	4,829	4,680	4,471	4,349	4,278	4,144	4,169	4,226	4,570	4,929	4,836	4,786	4,585	4,178	3,816	
01/11/11	3,363	3,330	3,325	3,351	3,498	3,983	4,550	4,839	4,700	4,433	4,224	4,057	3,880	3,813	3,697	3,671	3,705	4,005	4,376	4,366	4,325	4,193	3,885	3,531	
01/12/11	3,349	3,316	3,272	3,336	3,482	3,965	4,529	4,818	4,679	4,416	4,211	4,048	3,872	3,806	3,692	3,665	3,700	3,995	4,363	4,354	4,311	4,180	3,871	3,518	
01/13/11	3,225	3,183	3,136	3,194	3,335	3,797	4,350	4,626	4,505	4,266	4,094	3,955	3,804	3,749	3,649	3,622	3,645	3,907	4,246	4,247	4,200	4,065	3,756	3,408	
01/14/11	3,187	3,146	3,124	3,176	3,366	3,702	4,325	4,493	4,329	4,126	3,909	3,793	3,723	3,590	3,548	3,596	3,735	4,059	4,068	3,852	3,776	3,659	3,476	3,235	
01/15/11	3,142	3,104	3,034	3,059	3,127	3,303	3,577	3,859	3,970	3,948	3,841	3,686	3,568	3,439	3,349	3,300	3,340	3,532	3,836	3,852	3,776	3,659	3,476	3,235	
01/16/11	3,139	3,068	3,042	3,085	3,144	3,310	3,531	3,797	3,895	3,861	3,770	3,630	3,508	3,371	3,283	3,228	3,310	3,561	3,869	3,941	3,873	3,757	3,497	3,215	
01/17/11	3,091	3,019	2,992	3,034	3,091	3,257	3,476	3,730	3,827	3,796	3,713	3,561	3,444	3,318	3,236	3,182	3,262	3,507	3,805	3,878	3,811	3,699	3,444	3,170	
01/18/11	3,065	2,962	2,962	3,006	3,135	3,567	4,100	4,553	4,254	4,072	3,942	3,836	3,716	3,678	3,595	3,576	3,596	3,805	4,099	4,109	4,056	3,913	3,609	3,268	
01/19/11	3,015	2,963	2,909	2,947	3,072	3,490	4,012	4,258	4,168	4,003	3,891	3,797	3,687	3,653	3,577	3,558	3,578	3,771	4,050	4,064	4,007	3,864	3,560	3,221	
01/20/11	3,084	3,034	2,983	3,030	3,161	3,596	4,131	4,388	4,288	4,092	3,960	3,851	3,727	3,687	3,602	3,579	3,596	3,815	4,115	4,126	4,073	3,933	3,626	3,284	
01/21/11	2,937	2,869	2,846	2,872	3,031	3,341	3,899	4,129	4,042	3,924	3,843	3,709	3,654	3,624	3,528	3,501	3,531	3,587	3,822	3,866	3,762	3,691	3,474	3,195	
01/22/11	3,023	2,918	2,901	2,916	3,134	3,381	3,834	4,229	4,058	3,926	3,840	3,720	3,675	3,649	3,597	3,624	3,761	4,001	4,052	3,974	3,799	3,506	3,170	3,170	
01/23/11	2,973	2,894	2,861	2,889	2,937	3,086	3,282	3,511	3,610	3,606	3,558	3,466	3,380	3,272	3,201	3,153	3,225	3,444	3,708	3,782	3,709	3,597	3,342	3,070	
01/24/11	2,848	2,771	2,771	2,791	2,955	3,309	3,840	4,006	4,006	3,926	3,840	3,720	3,652	3,627	3,544	3,550	3,549	3,711	4,004	4,014	3,965	3,799	3,459	3,132	
01/25/11	2,991	2,928	2,893	2,931	3,058	3,426	3,973	4,229	4,158	4,007	3,894	3,808	3,720	3,675	3,649	3,597	3,624	3,761	4,004	4,052	3,974	3,799	3,506	3,170	
01/26/11	2,787	2,685	2,665	2,693	2,816	3,152	3,643	3,850	3,789	3,721	3,700	3,669	3,640	3,614	3,612	3,620	3,608	3,665	3,864	3,912	3,789	3,619	3,292	2,956	
01/27/11	2,807	2,699	2,674	2,702	2,824	3,163	3,637	3,851	3,803	3,739	3,728	3,706	3,685	3,666	3,671	3,682	3,667	3,718	3,915	3,949	3,828	3,655	3,320	2,979	
01/28/11	3,184	3,126	3,106	3,167	3,284	3,646	4,202	4,416	4,334	4,080	3,905	3,756	3,633	3,530	3,463	3,455	3,463	3,615	3,886	3,940	3,862	3,821	3,642	3,333	
01/29/11	2,698	2,652	2,627	2,652	2,704	2,908	3,165	3,351	3,466	3,465	3,377	3,222	3,106	2,948	2,869	2,829	2,845	3,004	3,275	3,395	3,287	3,189	3,011	2,808	
01/30/11	3,008	2,972	2,936	2,976	3,132	3,328	3,475	3,717	3,825	3,757	3,629	3,467	3,343	3,258	3,157	3,101	3,173	3,393	3,732	4,034	4,047	4,001	3,837	3,494	3,163
01/31/11	2,878	2,803	2,806	2,836	2,998	3,362	3,907	4,156	4,071	3,975	3,877	3,747	3,672	3,645	3,557	3,562	3,561	3,734	3,551	3,781	3,637	3,494	3,163	3,016	
02/01/11	3,055	3,000	2,943	2,978	3,096	3,497	4,004	4,238	4,162	4,017	3,919	3,836	3,738	3,710	3,639	3,622	3,639	3,816	4,080	4,097	4,039	3,894	3,595	3,263	
02/02/11	3,111	3,060	3,037	3,081	3,169	3,585	4,103	4,347	4,257	4,098	3,978	3,883	3,773	3,739	3,662	3,643	3,663	3,857	4,134	4,148	4,092	3,950	3,649	3,315	
02/03/11	3,141	3,090	3,067	3,128	3,236	3,631	4,155	4,405	4,312	4,128	4,007	3,906	3,790	3,754	3,673	3,651	3,667	3,873	4,162	4,174	4,121	3,982	3,678	3,342	
02/04/11	3,225	3,171	3,158	3,204	3,387	3,717	4,325	4,611	4,483	4,295	4,148	3,948	3,845	3,783	3,659	3,621	3,663	3,882	4,087	4,106	4,004	3,952	3,746	3,473	
02/05/11	3,308	3,210	3,208	3,239	3,314	3,493	3,781	4,079	4,186	4,141	4,009	3,829	3,696	3,555	3,457	3,403	3,444	3,657	3,980	3,980	3,905	3,794	3,618	3,383	
02/06/11	3,310	3,244	3,221	3,269	3,334	3,502	3,732	4,011	4,113	4,071	3,966	3,807	3,672	3,521	3,427	3,368	3,455	3,718	4,041	4,110	4,046	3,926	3,664	3,376	
02/07/11	3,290	3,216	3,249	3,294	3,393	3,887	4,499	4,826	4,708	4,517	4,329	4,109	3,968	3,903	3,770	3,789	3,811	4,066	4,445	4,419	4,392	4,227	3,891	3,553	
02/08/11	3,532	3,489	3,430	3,485	3,618	4,098	4,652	4,930	4,790	4,515	4,293	4,116	3,931	3,865	3,748	3,726	3,774	4,106	4,504	4,493	4,463	4,346	4,045	3,699	
02/09/11	3,322	3,282	3,236	3,292	3,431	3,890	4,438	4,711	4,587	4,355	4,181	4,041	3,899	3,834	3,733	3,709	3,738	3,996	4,331	4,330	4,284	4,150	3,846	3,502	
02/10/11	3,340	3,300	3,253	3,313	3,454	3,916	4,466	4,743	4,619	4,375	4,197	4,054	3,889	3,842	3,740	3,712	3,737	4,005	4,347	4,346	4,301	4,169	3,862	3,518	
02/11/11	3,172	3,115	3,100	3,141	3,318	3,643	4,240	4,510	4,390	4,219	4,089	3,905	3,815	3,762	3,646	3,611	3,648	3,747	4,035	4,063	3,962	3,907	3,699	3,426	
02/12/11	3,271	3,172	3,168	3,197	3,268	3,445	3,725	4,014	4,122	4,088	3,967	3,800	3,674	3,539	3,445	3,394	3,434	3,636	3,949	3,957	3,882	3,769	3,591	3,354	
02/13/11	3,134	3,059	3,030	3,065	3,117	3,274	3,480	3,722	3,818	3,797	3,730	3,617	3,516	3,397	3,320	3,269	3,345	3,575	3,857	3,929	3,859	3,748	3,495	3,222	
02/14/11	3,053	2,983	2,984	3,029	3,203	3,581	4,150	4,422	4,318	4,186	4,057	3,901	3,807	3,770	3,670	3,676	3,678	3,870	4,194	4,205	4,167	4,008	3,666	3,332	
02/15/11	3,072	3,018	2,962	2,998	3,119	3,525	4,036	4,273	4,192	4,041	3,938	3,850	3,749	3,719	3,646	3,630	3,647	3,829	4,097	4,113	4,056	3,912	3,612	3,279	
02/16/11	3,075	3,022	2,967	3,003	3,123	3,529	4,040	4,278	4,195	4,042	3,938	3,854	3,751	3,720	3,648	3,630	3,648	3							

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/11	2.822	2.766	2.734	2.786	2.881	3.208	3.693	3.921	3.857	3.724	3.547	3.429	3.406	3.360	3.384	3.359	3.384	3.505	3.719	3.764	3.694	3.539	3.279	2.981
03/02/11	2.822	2.766	2.736	2.787	2.882	3.208	3.692	3.921	3.856	3.722	3.623	3.548	3.469	3.406	3.359	3.384	3.359	3.506	3.719	3.764	3.694	3.540	3.279	2.980
03/03/11	2.822	2.766	2.734	2.788	2.883	3.209	3.694	3.923	3.861	3.721	3.623	3.548	3.470	3.407	3.357	3.378	3.353	3.503	3.718	3.765	3.694	3.542	3.279	2.981
03/04/11	2.993	2.941	2.923	2.978	3.082	3.403	3.897	4.087	4.014	3.789	3.633	3.501	3.375	3.300	3.240	3.233	3.240	3.375	3.616	3.620	3.595	3.558	3.399	3.125
03/05/11	2.811	2.716	2.698	2.707	2.752	2.891	3.101	3.316	3.432	3.467	3.426	3.337	3.264	3.171	3.105	3.070	3.104	3.247	3.474	3.490	3.419	3.307	3.137	2.921
03/06/11	2.832	2.816	2.735	2.763	2.807	2.944	3.122	3.332	3.418	3.408	3.358	3.268	3.186	3.085	3.020	2.976	3.041	3.483	3.549	3.485	3.385	3.158	2.916	2.694
03/07/11	2.798	2.735	2.744	2.776	2.933	3.272	3.783	4.028	3.934	3.815	3.699	3.559	3.474	3.441	3.352	3.357	3.359	3.531	3.822	3.832	3.798	3.655	3.348	3.048
03/08/11	2.868	2.823	2.775	2.812	2.925	3.304	3.773	3.995	3.911	3.755	3.647	3.556	3.454	3.422	3.351	3.355	3.352	3.531	3.786	3.797	3.621	3.351	3.050	2.811
03/09/11	3.029	3.014	2.994	3.064	3.209	3.638	4.148	4.412	4.295	4.086	3.799	3.659	3.659	3.622	3.505	3.474	3.487	3.698	3.979	3.970	3.917	3.785	3.501	3.183
03/10/11	2.913	2.869	2.823	2.866	2.983	3.371	3.848	4.077	3.987	3.810	3.690	3.591	3.480	3.444	3.367	3.346	3.362	3.559	3.828	3.836	3.790	3.666	3.393	3.090
03/11/11	2.865	2.821	2.795	2.827	2.982	3.370	3.795	4.025	3.925	3.785	3.681	3.530	3.418	3.320	3.292	3.321	3.321	3.397	3.640	3.672	3.581	3.349	3.182	2.965
03/12/11	2.864	2.771	2.757	2.771	2.822	2.968	3.190	3.418	3.525	3.539	3.479	3.373	3.288	3.117	3.079	3.114	3.264	3.506	3.527	3.458	3.349	3.182	2.965	2.734
03/13/11	2.819	2.749	2.720	2.747	2.790	2.925	3.101	3.307	3.395	3.388	3.341	3.256	3.176	3.078	3.014	2.970	3.035	3.232	3.470	3.536	3.472	3.372	3.146	2.904
03/14/11	2.680	2.621	2.618	2.658	2.771	3.090	3.636	3.838	3.780	3.655	3.610	3.515	3.459	3.438	3.400	3.383	3.398	3.515	3.683	3.721	3.638	3.498	3.279	2.981
03/15/11	2.822	2.766	2.736	2.786	2.882	3.208	3.693	3.921	3.857	3.724	3.623	3.547	3.469	3.406	3.360	3.384	3.359	3.506	3.719	3.764	3.694	3.539	3.279	2.981
03/16/11	2.822	2.766	2.736	2.787	2.882	3.208	3.692	3.921	3.856	3.722	3.623	3.548	3.469	3.406	3.360	3.384	3.359	3.506	3.719	3.764	3.694	3.540	3.279	2.980
03/17/11	2.822	2.765	2.734	2.788	2.883	3.209	3.694	3.923	3.861	3.721	3.623	3.548	3.470	3.430	3.407	3.357	3.378	3.503	3.718	3.765	3.695	3.542	3.279	2.981
03/18/11	2.993	2.941	2.923	2.978	3.082	3.403	3.897	4.087	4.014	3.789	3.633	3.501	3.375	3.300	3.240	3.233	3.240	3.375	3.616	3.620	3.595	3.558	3.399	3.125
03/19/11	2.554	2.515	2.495	2.519	2.566	2.750	2.981	3.145	3.245	3.239	3.156	3.014	2.906	2.822	2.719	2.629	2.610	2.619	2.784	3.057	3.164	3.029	2.823	2.567
03/20/11	2.680	2.621	2.618	2.658	2.771	3.090	3.636	3.838	3.780	3.655	3.610	3.515	3.459	3.438	3.400	3.383	3.398	3.515	3.683	3.721	3.638	3.498	3.279	2.980
03/21/11	2.680	2.621	2.618	2.658	2.771	3.090	3.636	3.838	3.780	3.655	3.610	3.515	3.459	3.438	3.400	3.383	3.398	3.515	3.683	3.721	3.638	3.498	3.279	2.980
03/22/11	2.680	2.621	2.618	2.658	2.771	3.090	3.636	3.838	3.780	3.655	3.610	3.515	3.459	3.438	3.400	3.383	3.398	3.515	3.683	3.721	3.638	3.498	3.279	2.980
03/23/11	2.652	2.559	2.539	2.562	2.670	2.964	3.396	3.583	3.535	3.481	3.468	3.446	3.424	3.405	3.408	3.419	3.409	3.454	3.621	3.661	3.553	3.399	3.105	2.804
03/24/11	2.672	2.574	2.549	2.572	2.678	2.965	3.390	3.583	3.549	3.500	3.497	3.484	3.471	3.459	3.469	3.483	3.471	3.509	3.664	3.700	3.593	3.437	3.134	2.827
03/25/11	2.658	2.595	2.587	2.593	2.666	2.936	3.389	3.568	3.553	3.504	3.479	3.474	3.425	3.430	3.420	3.400	3.430	3.418	3.500	3.528	3.436	3.287	3.094	2.857
03/26/11	2.624	2.569	2.530	2.541	2.573	2.737	2.943	3.111	3.239	3.273	3.237	3.141	3.078	2.976	2.933	2.924	2.942	3.046	3.232	3.322	3.223	3.116	2.934	2.731
03/27/11	2.574	2.489	2.489	2.489	2.536	2.664	2.827	2.966	3.055	3.074	3.022	2.938	2.867	2.778	2.697	2.686	2.626	2.854	3.108	3.278	3.208	3.067	2.853	2.650
03/28/11	2.701	2.639	2.548	2.558	2.682	2.973	3.356	3.526	3.526	3.475	3.375	3.285	3.185	3.085	2.968	2.908	3.028	3.299	3.529	3.739	3.597	3.386	3.037	2.748
03/29/11	2.860	2.723	2.668	2.670	2.756	2.991	3.356	3.594	3.649	3.691	3.763	3.821	3.865	3.908	3.972	4.033	4.038	4.001	4.041	4.036	3.929	3.739	3.386	3.037
03/30/11	2.860	2.723	2.668	2.670	2.756	2.991	3.356	3.594	3.649	3.691	3.763	3.821	3.865	3.908	3.972	4.033	4.038	4.001	4.041	4.036	3.929	3.739	3.386	3.037
03/31/11	2.769	2.649	2.608	2.621	2.716	2.973	3.365	3.582	3.599	3.689	3.764	3.822	3.866	3.908	3.972	4.032	4.038	4.002	4.041	4.037	3.929	3.739	3.386	3.037
04/01/11	2.882	2.801	2.778	2.770	2.827	3.064	3.495	3.697	3.731	3.729	3.748	3.792	3.779	3.821	3.847	3.846	3.857	3.834	3.843	3.844	3.746	3.603	3.339	3.080
04/02/11	2.812	2.741	2.684	2.683	2.700	2.848	3.032	3.207	3.364	3.437	3.449	3.396	3.376	3.312	3.299	3.317	3.339	3.406	3.607	3.681	3.503	3.373	3.164	2.934
04/03/11	2.679	2.637	2.584	2.626	2.648	2.765	2.916	3.060	3.165	3.205	3.175	3.118	3.068	2.999	2.939	2.944	2.958	3.000	3.074	3.142	3.012	2.856	2.627	2.448
04/04/11	2.751	2.660	2.640	2.667	2.778	3.081	3.524	3.709	3.653	3.592	3.570	3.541	3.515	3.491	3.488	3.497	3.484	3.536	3.717	3.760	3.650	3.525	3.293	2.943
04/05/11	2.785	2.687	2.662	2.683	2.790	3.080	3.509	3.704	3.667	3.623	3.620	3.607	3.593	3.580	3.590	3.607	3.607	3.634	3.789	3.824	3.716	3.556	3.252	2.904
04/06/11	2.881	2.827	2.775	2.737	2.821	3.062	3.495	3.702	3.693	3.675	3.693	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699
04/07/11	2.881	2.827	2.775	2.737	2.821	3.062	3.495	3.702	3.693	3.675	3.693	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699
04/08/11	3.098	3.051	3.040	3.085	3.255	3.556	4.113	4.382	4.262	4.083	3.940	3.749	3.648	3.587	3.470	3.434	3.475	3.595	3.881	3.892	3.800	3.754	3.567	3.320
04/09/11	2.900	2.803	2.781	2.788	2.831	2.967	3.173	3.384	3.508	3.554	3.523	3.440	3.371	3.281	3.217	3.182	3.217	3.359	3.581	3.593	3.520	3.404	3.231	3.013
04/10/11	2.815	2.738	2.698	2.712	2.746	2.859	3.012	3.192	3.298	3.332	3.323	3.273	3.220	3.137	3.079	3.042	3.100	3.275	3.474	3.545	3.482	3.370	3.141	2.899
04/11/11	2.661	2.623	2.577	2.604	2.742	3.083	3.495	3.702	3.693	3.675	3.693	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699
04/12/11	2.835	2.725	2.691	2.706	2.808	3.083	3.495	3.702	3.693	3.675	3.693	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699	3.699
04/13/11	2.937	2.881	2.850	2.902	2.998	3.327	3.817	4.048	3.983	3.847	3.747	3.671	3.592	3.528	3.420	3.360	3.353	3.496	3.740	3.744	3.718	3.681	3.521	3.243
04/14/11	2.820	2.712	2.681	2.700	2.804	3.083	3.500	3.704	3.689	3.656	3.669	3.670	3.669	3.669	3.669	3.669	3.669	3.669	3.669	3.669	3.669	3.669	3.669	3.669
04/15/11	3.109	3.057	3.039	3.094	3.200	3.525	4.024	4.216	4.143	4.033	3.914	3.757	3.624	3.496	3.420	3.360	3.353	3.496	3.740	3.744	3.718	3.681	3.521	3.243
04/16/11	2.755	2.696	2.652	2.660	2.689	2.849	3.051	3.222	3.358	3.403	3.380	3.294	3.242	3.149	3.114	3.112</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
05/01/11	3.194	3.057	2.946	2.912	2.875	2.905	2.982	3.178	3.421	3.651	3.817	3.973	4.108	4.208	4.291	4.419	4.447	4.478	4.467	4.512	4.428	4.152	3.779	3.358
05/02/11	3.336	3.227	3.050	3.031	3.164	3.376	3.786	4.072	4.321	4.503	4.711	4.843	5.049	5.194	5.345	5.468	5.484	5.420	5.243	5.173	5.032	4.783	4.472	3.788
05/03/11	3.310	3.118	3.032	3.018	3.103	3.329	3.701	4.016	4.153	4.268	4.418	4.544	4.641	4.732	4.847	4.952	4.966	4.872	4.836	4.790	4.659	4.417	3.970	3.536
05/04/11	3.380	3.177	3.086	3.067	3.148	3.362	3.719	4.048	4.205	4.338	4.510	4.655	4.764	4.865	4.993	5.107	5.123	5.016	4.959	4.900	4.764	4.516	4.056	3.612
05/05/11	3.236	3.055	2.977	2.971	3.061	3.300	3.687	3.928	4.103	4.187	4.317	4.424	4.506	4.583	4.685	4.774	4.781	4.708	4.701	4.671	4.543	4.311	3.876	3.453
05/06/11	3.026	2.931	2.902	2.890	2.951	3.212	3.696	3.929	3.977	3.984	4.015	4.075	4.067	4.123	4.159	4.161	4.176	4.142	4.137	4.133	4.021	3.854	3.548	3.123
05/07/11	2.875	2.804	2.750	2.757	2.786	2.964	3.186	3.382	3.542	3.601	3.585	3.498	3.449	3.353	3.320	3.324	3.346	3.445	3.628	3.721	3.606	3.471	3.250	3.005
05/08/11	2.845	2.766	2.714	2.723	2.764	2.858	3.015	3.181	3.317	3.380	3.380	3.345	3.316	3.264	3.219	3.242	3.261	3.404	3.619	3.778	3.701	3.511	3.235	2.905
05/09/11	2.835	2.777	2.696	2.716	2.864	3.167	3.645	3.850	3.912	3.925	3.965	3.949	3.993	4.016	4.050	4.082	4.086	4.135	4.196	4.236	4.123	3.934	3.552	3.161
05/10/11	2.981	2.849	2.805	2.819	2.931	3.232	3.688	3.931	3.937	3.932	3.966	3.986	4.001	4.016	4.055	4.098	4.095	4.097	4.212	4.233	4.112	3.914	3.543	3.170
05/11/11	3.010	2.873	2.826	2.836	2.944	3.307	3.682	3.932	3.952	3.959	4.007	4.039	4.062	4.086	4.134	4.182	4.183	4.173	4.270	4.286	4.163	3.961	3.543	3.202
05/12/11	3.238	3.056	2.979	2.972	3.062	3.383	3.727	4.002	4.137	4.229	4.338	4.489	4.541	4.661	4.755	4.788	4.820	4.730	4.605	4.546	4.418	4.206	3.841	3.512
05/13/11	3.265	3.140	3.088	3.051	3.081	3.283	3.621	3.912	4.002	4.137	4.229	4.338	4.489	4.541	4.661	4.755	4.788	4.820	4.730	4.605	4.418	4.206	3.841	3.512
05/14/11	3.136	3.008	2.913	2.886	2.869	2.997	3.155	3.371	3.614	3.791	3.916	3.956	4.035	4.048	4.102	4.180	4.211	4.203	4.223	4.256	4.121	3.925	3.631	3.316
05/15/11	3.137	3.008	2.904	2.875	2.845	2.885	2.969	3.161	3.391	3.602	3.748	3.883	3.999	4.083	4.154	4.270	4.299	4.342	4.355	4.413	4.332	4.066	3.703	3.292
05/16/11	3.213	3.113	2.955	2.943	3.077	3.406	3.726	4.000	4.215	4.371	4.551	4.661	4.840	4.971	5.106	5.216	5.231	5.179	5.037	4.990	4.856	4.614	4.132	3.654
05/17/11	3.479	3.261	3.159	3.137	3.213	3.413	3.755	4.101	4.286	4.445	4.640	4.807	4.933	5.048	5.189	5.317	5.334	5.210	5.129	5.051	4.909	4.652	4.178	3.722
05/18/11	3.645	3.403	3.292	3.261	3.332	3.512	3.828	4.205	4.425	4.617	4.852	5.053	5.199	5.330	5.491	5.635	5.654	5.510	5.399	5.293	5.137	4.870	4.375	3.901
05/19/11	3.604	3.367	3.257	3.231	3.303	3.482	3.810	4.181	4.395	4.572	4.799	4.992	5.135	5.263	5.419	5.557	5.570	5.435	5.333	5.235	5.082	4.820	4.327	3.857
05/20/11	3.578	3.427	3.358	3.296	3.295	3.444	3.863	4.186	4.408	4.579	4.764	5.013	5.114	5.294	5.435	5.494	5.545	5.418	5.194	5.072	4.921	4.670	4.242	3.890
05/21/11	3.481	3.331	3.172	3.119	3.056	3.154	3.269	3.514	3.836	4.121	4.377	4.517	4.710	4.797	4.923	5.052	5.085	4.998	4.897	4.869	4.695	4.455	4.100	3.732
05/22/11	3.468	3.313	3.163	3.103	3.045	3.046	3.099	3.313	3.602	3.907	4.147	4.376	4.577	4.729	4.852	5.018	5.078	5.028	4.937	4.935	4.758	4.525	4.114	3.656
05/23/11	3.652	3.526	3.306	3.271	3.408	3.585	3.977	4.285	4.601	4.830	5.091	5.261	5.515	5.679	5.857	5.999	6.013	5.938	5.703	5.582	5.425	5.168	4.635	4.106
05/24/11	3.819	3.555	3.431	3.397	3.464	3.629	3.926	4.330	4.583	4.809	5.069	5.298	5.463	5.605	5.780	5.941	5.957	5.799	5.670	5.535	5.364	5.089	4.577	4.089
05/25/11	3.912	3.636	3.510	3.473	3.538	3.629	3.982	4.401	4.667	4.893	5.182	5.426	5.597	5.743	5.925	6.091	6.106	5.943	5.807	5.659	5.479	5.202	4.682	4.188
05/26/11	4.282	3.948	3.792	3.741	3.789	3.912	4.148	4.613	4.912	5.161	5.482	5.759	5.935	6.071	6.256	6.425	6.425	6.280	6.169	6.001	5.814	5.561	5.047	4.566
05/27/11	4.165	3.978	3.895	3.791	3.731	3.857	4.215	4.594	4.898	5.133	5.388	5.682	5.867	6.091	6.253	6.312	6.382	6.210	6.002	5.822	5.662	5.408	4.935	4.605
05/28/11	4.093	3.922	3.703	3.635	3.511	3.612	3.707	3.994	4.399	4.731	5.180	5.384	5.667	5.991	6.257	6.137	6.157	6.015	5.835	5.755	5.508	5.253	4.843	4.438
05/29/11	4.057	3.866	3.675	3.607	3.497	3.479	3.523	3.772	4.112	4.519	4.841	5.144	5.413	5.600	5.741	5.945	5.924	5.886	5.730	5.689	5.554	5.202	4.753	4.244
05/30/11	3.926	3.752	3.558	3.507	3.406	3.393	3.452	3.677	4.079	4.529	4.840	5.206	5.442	5.538	5.781	5.987	6.060	5.987	5.757	5.707	5.508	5.220	4.798	4.367
05/31/11	3.835	3.569	3.445	3.411	3.477	3.641	3.936	4.343	4.598	4.821	5.089	5.321	5.487	5.631	5.807	5.968	5.984	5.825	5.695	5.558	5.385	5.109	4.596	4.107
06/01/11	4.042	3.764	3.637	3.600	3.662	3.808	4.074	4.495	4.754	5.002	5.291	5.540	5.712	5.856	6.037	6.204	6.217	6.064	5.919	5.761	5.577	5.307	4.798	4.315
06/02/11	3.786	3.537	3.422	3.393	3.459	3.623	3.917	4.298	4.533	4.729	4.977	5.190	5.343	5.477	5.642	5.788	5.800	5.656	5.540	5.421	5.261	5.000	4.508	4.042
06/03/11	3.702	3.530	3.482	3.417	3.408	3.541	3.943	4.267	4.500	4.682	4.877	5.139	5.245	5.431	5.576	5.637	5.691	5.564	5.329	5.196	5.044	4.795	4.368	4.024
06/04/11	3.505	3.362	3.211	3.160	3.102	3.197	3.309	3.544	3.852	4.123	4.365	4.497	4.678	4.760	4.879	5.002	5.034	4.969	4.835	4.689	4.439	4.098	3.744	3.515
06/05/11	3.344	3.202	3.082	3.041	2.994	3.011	3.074	3.270	3.524	3.776	3.968	4.149	4.307	4.427	4.525	4.665	4.690	4.703	4.657	4.680	4.595	4.313	3.937	3.515
06/06/11	3.468	3.345	3.245	3.205	3.192	3.240	3.800	4.073	4.304	4.473	4.667	4.788	4.980	5.117	5.259	5.374	5.389	5.330	5.169	5.107	4.973	4.734	4.255	3.782
06/07/11	3.463	3.365	3.169	3.150	3.126	3.207	3.767	4.091	4.255	4.395	4.556	4.717	4.830	4.934	5.063	5.179	5.195	5.084	5.019	4.954	4.821	4.577	4.128	3.693
06/08/11	3.231	3.067	2.999	2.994	3.085	3.327	3.713	3.991	4.079	4.149	4.256	4.343	4.409	4.471	4.558	4.638	4.648	4.587	4.599	4.580	4.459	4.240	3.833	3.435
06/09/11	3.200	3.040	2.975	2.976	3.069	3.318	3.713	3.986	4.064	4.116	4.212	4.290	4.348	4.405	4.484	4.555	4.559	4.511	4.540	4.528	4.408	4.195	3.793	3.400
06/10/11	3.376	3.249	3.195	3.153	3.175	3.358	3.780	4.056	4.206	4.313	4.435	4.603	4.665	4.795	4.897	4.936	4.970	4.873	4.728	4.658	4.530	4.315	3.949	3.625
06/11/11	3.358	3.227	3.096	3.055	3.014	3.120	3.246	3.469	3.747	3.976	4.167	4.262	4.400	4.457	4.549	4.654	4.686	4.633	4.583	4.434	4.219	3.901	3.567	3.166
06/12/11	3.445	3.342	3.082	3.042	2.995	3.011	3.074	3.270	3.524	3.777	3.968	4.150	4.309	4.428	4.527	4.667	4.691	4.704	4.658	4.681	4.596	4.314	3.938	3.516
06/13/11	3.557	3.441	3.246	3.218	3.348	3.532	3.917	4.207	4.487	4.691	4.924	5.074	5.302	5.455	5.618	5.749	5.764	5.693	5.486	5.389	5.244	4.998	4.494	3.997
06/14/11	3.746	3.504	3.390	3.360	3.426	3.595	3.894	4.267	4.494	4.691	4.928	5.133	5.283	5.414	5.575	5.722	5.738	5.593	5.479	5.365	5.209	4.947	4.463	3.999
06/15/11	3.821	3.570	3.453	3.420	3.485	3.646	3.935	4.321	4.559	4.768	5.022	5.239	5.395	5.531	5.699	5.850	5.867	5.717	5.594	5.468	5.305	5.041	4.549	4.079
06/16/11	4.042	3.763	3.635	3.601	3.663	3.809	4.076	4.498	4.771	5.001	5.290	5.540	5.712	5.857	6.038	6.202</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
07/01/11	4,350	4,196	4,136	4,054	4,009	4,084	4,457	4,807	5,092	5,315	5,556	5,897	6,010	6,222	6,377	6,440	6,517	6,403	6,129	5,940	5,772	5,522	5,076	4,760
07/02/11	4,295	4,145	3,946	3,885	3,769	3,861	3,944	4,201	4,564	4,918	5,271	5,453	5,729	5,824	5,985	6,128	6,144	6,014	5,852	5,776	5,553	5,330	4,968	4,607
07/03/11	4,364	4,191	4,012	3,951	3,843	3,828	3,968	4,098	4,407	4,786	5,084	5,361	5,610	5,776	5,896	6,085	6,051	6,017	5,837	5,837	5,709	5,391	4,988	4,525
07/04/11	4,768	4,643	4,437	4,414	4,276	4,258	4,327	4,533	4,917	5,356	5,664	6,114	6,380	6,460	6,687	6,885	6,875	6,743	6,473	6,377	6,103	5,866	5,578	5,251
07/05/11	4,091	4,665	4,423	4,490	4,550	4,447	4,545	4,719	5,214	5,528	5,799	6,143	6,617	6,871	7,066	7,253	7,238	7,054	6,932	6,711	6,479	6,233	5,744	5,288
07/06/11	4,899	4,650	4,463	4,388	4,447	4,444	4,545	4,719	5,214	5,528	5,799	6,143	6,617	6,871	7,066	7,253	7,238	7,054	6,932	6,711	6,479	6,233	5,744	5,288
07/07/11	4,853	4,524	4,388	4,355	4,414	4,514	4,693	5,183	5,496	5,759	6,099	6,396	6,571	6,691	6,881	7,059	7,046	6,876	6,757	6,545	6,321	6,075	5,586	5,129
07/08/11	5,071	4,917	4,884	4,779	4,679	4,689	5,073	5,471	5,792	6,031	6,312	6,754	6,836	7,077	7,248	7,288	7,109	7,296	6,950	6,730	6,552	6,283	5,805	5,512
07/09/11	5,130	4,990	4,662	4,659	4,459	4,600	4,667	4,931	5,336	5,738	6,165	6,340	6,701	6,765	6,927	7,124	7,114	6,907	6,700	6,663	6,386	6,198	5,805	5,423
07/10/11	5,297	5,135	4,901	4,870	4,684	4,676	4,668	4,963	5,329	5,815	6,186	6,569	6,910	7,127	7,281	7,599	7,489	7,433	7,159	7,210	7,114	6,714	6,225	5,590
07/11/11	5,225	5,148	4,747	4,706	4,929	5,028	5,332	5,642	6,108	6,395	6,800	7,007	7,388	7,535	7,697	7,914	7,878	7,837	7,423	7,292	7,144	6,811	6,225	5,590
07/12/11	4,942	4,606	4,466	4,432	4,491	4,588	4,757	5,259	5,579	5,854	6,199	6,502	6,788	6,999	7,172	7,172	7,159	6,989	6,867	6,459	6,240	5,992	5,506	5,050
07/13/11	4,775	4,456	4,322	4,286	4,344	4,448	4,634	5,111	5,416	5,680	6,013	6,303	6,477	6,599	6,787	6,965	6,959	6,780	6,667	6,459	6,240	5,992	5,506	5,050
07/14/11	4,757	4,438	4,304	4,271	4,329	4,433	4,622	5,097	5,403	5,660	5,992	6,280	6,455	6,579	6,765	6,940	6,930	6,765	6,645	6,439	6,222	5,975	5,487	5,031
07/15/11	4,765	4,610	4,564	4,469	4,394	4,435	4,818	5,200	5,511	5,747	6,015	6,417	6,515	6,745	6,908	6,960	6,960	6,954	6,645	6,430	6,251	5,991	5,522	5,218
07/16/11	4,406	4,255	4,048	3,987	3,960	3,958	4,040	4,302	4,673	5,040	5,388	5,766	5,967	6,130	6,277	6,299	6,291	6,153	5,986	5,909	5,676	5,456	5,087	4,725
07/17/11	4,572	4,397	4,206	4,147	4,024	4,118	4,283	4,464	4,614	4,774	5,016	5,327	5,616	5,876	6,042	6,159	6,360	6,273	6,121	6,092	5,956	5,628	5,217	4,734
07/18/11	4,397	4,275	4,009	3,961	4,101	4,219	4,544	4,834	5,197	5,441	5,734	5,913	6,192	6,332	6,508	6,644	6,647	6,598	6,334	6,169	6,011	5,798	5,296	4,793
07/19/11	4,583	4,283	4,153	4,118	4,174	4,287	4,492	4,940	5,271	5,483	5,796	6,068	6,241	6,370	6,551	6,724	6,722	6,560	6,437	6,243	6,039	5,789	5,307	4,854
07/20/11	4,633	4,328	4,198	4,162	4,219	4,329	4,528	4,984	5,278	5,533	5,853	6,131	6,303	6,430	6,614	6,787	6,785	6,621	6,498	6,300	6,091	5,842	5,359	4,904
07/21/11	4,683	4,372	4,239	4,206	4,263	4,372	4,567	5,031	5,332	5,584	5,909	6,191	6,365	6,491	6,675	6,848	6,840	6,678	6,558	6,357	6,144	5,897	5,411	4,956
07/22/11	4,082	3,934	3,870	3,798	3,772	3,866	4,087	4,438	4,777	5,112	5,290	5,519	5,630	5,825	5,972	6,035	6,098	5,979	5,729	5,571	5,416	5,174	4,754	4,436
07/23/11	4,168	4,018	3,830	3,770	3,666	3,752	3,836	4,087	4,438	4,777	5,112	5,290	5,519	5,630	5,825	5,972	6,035	6,098	5,979	5,729	5,571	5,416	5,174	4,754
07/24/11	3,885	3,728	3,583	3,528	3,453	3,448	3,481	3,683	3,961	4,274	4,571	4,761	4,970	5,124	5,246	5,410	5,414	5,390	5,275	5,252	5,151	4,838	4,479	4,055
07/25/11	3,934	3,820	3,613	3,578	3,700	3,848	4,187	4,464	4,761	5,073	5,217	5,375	5,611	5,757	5,919	6,048	6,059	5,994	5,773	5,652	5,510	5,284	4,806	4,332
07/26/11	4,173	3,917	3,800	3,767	3,822	3,955	4,196	4,583	4,833	5,052	5,316	5,545	5,704	5,836	6,002	6,156	6,166	6,017	5,894	5,746	5,577	5,330	4,865	4,424
07/27/11	4,381	4,102	3,973	3,944	3,999	4,120	4,342	4,760	5,032	5,269	5,522	5,816	6,114	6,290	6,437	6,549	6,539	6,303	6,077	6,004	5,816	5,567	5,092	4,642
07/28/11	4,306	4,034	3,913	3,880	3,956	4,061	4,290	4,698	4,964	5,189	5,473	5,719	5,884	6,017	6,189	6,343	6,350	6,200	6,077	5,914	5,732	5,485	5,011	4,564
07/29/11	4,564	4,409	4,355	4,266	4,206	4,264	4,644	5,011	5,312	5,544	5,800	6,175	6,282	6,504	6,663	6,722	6,811	6,702	6,411	6,206	6,030	5,774	5,315	5,005
07/30/11	4,673	4,525	4,296	4,236	4,083	4,174	4,276	4,578	4,932	5,314	5,708	6,206	6,285	6,450	6,609	6,613	6,458	6,281	6,209	6,053	5,744	5,365	4,998	4,627
07/31/11	4,657	4,483	4,286	4,228	4,100	4,091	4,131	4,378	4,700	5,111	5,427	5,721	5,986	6,125	6,268	6,474	6,415	6,381	6,224	6,200	6,063	5,730	5,314	4,822
08/01/11	4,574	4,447	4,151	4,098	4,253	4,370	4,707	5,013	5,410	5,671	5,991	6,181	6,485	6,629	6,815	6,958	6,958	6,913	6,625	6,446	6,277	6,062	5,531	4,998
08/02/11	4,920	4,576	4,428	4,397	4,458	4,536	4,750	5,262	5,590	5,872	6,226	6,426	6,720	6,845	7,044	7,223	7,223	7,042	6,915	6,691	6,389	6,197	5,688	5,210
08/03/11	4,855	4,519	4,378	4,341	4,401	4,509	4,701	5,204	5,525	5,803	6,154	6,459	6,641	6,769	6,966	7,153	7,146	6,967	6,840	6,620	6,389	6,130	5,621	5,143
08/04/11	4,955	4,284	4,149	4,114	4,173	4,292	4,424	4,975	5,277	5,532	5,858	6,141	6,321	6,457	6,646	6,821	6,817	6,653	6,525	6,327	6,116	5,836	5,351	4,876
08/05/11	4,823	4,660	4,612	4,512	4,434	4,477	4,879	5,278	5,603	5,851	6,131	6,552	6,655	6,896	7,066	7,121	7,227	7,114	6,791	6,566	6,379	6,106	5,615	5,297
08/06/11	4,741	4,586	4,345	4,282	4,121	4,240	4,324	4,605	5,011	5,413	5,826	6,017	6,348	6,431	6,604	6,771	6,775	6,611	6,425	6,350	6,082	5,863	5,466	5,082
08/07/11	4,797	4,614	4,404	4,345	4,205	4,197	4,238	4,502	4,843	5,231	5,617	6,214	6,389	6,509	6,733	6,663	6,663	6,627	6,457	6,438	6,294	5,941	5,500	4,974
08/08/11	4,920	4,803	4,455	4,400	4,583	4,687	5,016	5,327	5,764	6,038	6,395	6,592	6,928	7,066	7,260	7,409	7,397	7,367	7,037	6,859	6,691	6,497	5,954	5,404
08/09/11	4,917	4,574	4,430	4,394	4,455	4,561	4,748	5,260	5,587	5,869	6,223	6,532	6,716	6,842	7,040	7,230	7,220	7,038	6,911	6,688	6,454	6,194	5,685	5,207
08/10/11	5,347	5,146	5,076	5,118	5,110	5,118	5,759	6,159	6,897	7,264	7,424	7,486	7,713	7,914	7,914	7,914	7,914	7,658	7,504	7,337	7,152	6,955	6,487	6,070
08/11/11	5,521	5,082	4,894	4,831	4,872	4,902	4,973	5,561	5,923	6,216	6,597	6,934	7,092	7,165	7,366	7,549	7,568	7,374	7,267	7,082	6,882	6,680	6,210	5,785
08/12/11	4,991	4,840	4,578	4,516	4,328	4,462	4,541	4,823	5,239	5,653	6,081	6,496	6,601	6,840	7,009	7,065	7,168	7,056	6,738	6,514	6,327	6,056	5,567	5,248
08/13/11	4,991	4,840	4,578	4,516	4,328	4,462	4,541	4,823	5,239	5,653	6,081	6,496	6,601	6,840	7,009	7,065	7,168	7,056	6,738	6,514	6,327	6,056	5,567	5,248
08/14/11	4,813	4,630	4,419	4,361	4,220	4,212	4,253	4,518	4,859	5,299	5,636	5,951	6,235	6,410	6,531	6,756	6,684	6,648	6,478	6,459	6,316	5,961	5,520	4,991
08/15/11	4,888	4,770	4,427	4,372	4,552	4,657	4,986	5,297	5,730	6,003	6,357	6,553	6,886	7,024	7,217	7,365	7,354	7,323	6,998	6,818	6,650	6,454	5,912	5,363
08/16/11	5,014	4,661	4,515	4,479	4,541	4,642	4,818	5,345	5,680	5,968	6,330	6,648	6,832	6,954	7,156	7,349</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24	
09/01/11	3.821	3.546	3.420	3.387	3.449	3.599	3.871	4.288	4.555	4.780	5.064	5.308	5.478	5.622	5.801	5.963	5.972	5.815	5.684	5.533	5.353	5.084	4.574	4.092	
09/02/11	3.924	3.757	3.688	3.604	3.565	3.661	4.067	4.437	4.734	4.968	5.218	5.566	5.690	5.915	6.082	6.152	6.228	6.099	5.810	5.611	5.441	5.171	4.693	4.344	
09/03/11	4.030	3.865	3.645	3.578	3.450	3.551	3.643	3.927	4.326	4.716	5.106	5.306	5.611	5.715	5.892	6.050	6.067	5.924	5.745	5.619	5.416	5.170	4.769	4.374	
09/04/11	3.709	3.530	3.359	3.296	3.203	3.188	3.230	3.460	3.777	4.143	4.435	4.712	4.957	5.133	5.269	5.458	5.452	5.421	5.282	5.248	5.128	4.798	4.372	3.894	
09/05/11	3.988	3.816	3.611	3.564	3.447	3.432	3.486	3.702	4.112	4.579	4.902	5.302	5.552	5.667	5.897	6.108	6.154	6.059	5.810	5.752	5.506	5.220	4.822	4.411	
09/06/11	4.683	4.321	4.171	4.135	4.202	4.313	4.608	5.054	5.403	5.705	6.082	6.432	6.609	6.742	6.954	7.157	7.141	6.944	6.807	6.566	6.314	6.037	5.497	4.990	
09/07/11	4.240	3.921	3.781	3.742	3.803	3.931	4.165	4.644	4.953	5.223	5.560	5.851	6.038	6.181	6.378	6.563	6.566	6.391	6.253	6.051	5.833	5.558	5.031	4.533	
09/08/11	4.327	4.060	3.916	3.879	3.941	4.063	4.284	4.786	5.112	5.386	5.739	6.045	6.235	6.376	6.577	6.765	6.758	6.582	6.449	6.233	6.003	5.730	5.196	4.696	
09/09/11	4.427	4.255	4.200	4.099	4.025	4.099	4.311	4.913	5.250	5.508	5.797	6.133	6.386	6.536	6.763	6.825	6.829	6.610	6.249	6.054	5.770	5.258	4.920	4.445	
09/10/11	4.531	4.370	4.110	4.044	3.867	3.997	4.084	4.381	4.811	5.237	5.678	5.878	6.233	6.317	6.499	6.679	6.681	6.502	6.303	6.228	5.941	5.714	5.294	4.888	
09/11/11	4.164	3.973	3.772	3.705	3.581	3.611	3.867	4.210	4.635	4.967	5.276	5.553	5.736	5.868	6.079	6.079	6.036	5.998	5.837	5.799	5.655	5.302	4.856	4.341	
09/12/11	4.234	4.100	3.795	3.740	3.900	4.025	4.381	4.702	5.114	5.387	5.718	5.917	6.232	6.385	6.580	6.671	6.731	6.731	6.682	6.383	6.197	6.020	5.791	5.234	
09/13/11	4.154	3.844	3.705	3.667	3.728	3.861	4.103	4.569	4.872	5.136	5.461	5.743	5.928	6.074	6.267	6.450	6.454	6.281	6.143	5.949	5.740	5.464	4.940	4.445	
09/14/11	4.234	3.961	3.776	3.737	3.798	3.926	4.160	4.638	4.947	5.211	5.553	5.843	6.030	6.174	6.371	6.558	6.538	6.384	6.245	6.043	5.826	5.552	5.024	4.526	
09/15/11	4.286	3.915	3.819	3.783	3.845	3.971	4.202	4.688	5.005	5.271	5.613	5.908	6.097	6.240	6.439	6.623	6.619	6.446	6.312	6.106	5.884	5.611	5.080	4.581	
09/16/11	4.303	4.132	4.072	3.975	3.910	3.976	4.393	4.796	5.126	5.381	5.662	6.072	6.190	6.434	6.609	6.674	6.771	6.650	6.332	6.107	5.914	5.633	5.128	4.786	
09/17/11	3.977	3.812	3.597	3.530	3.407	3.506	3.998	4.379	4.724	4.658	5.040	5.239	5.538	5.644	5.819	5.976	5.994	5.854	5.678	5.595	5.396	5.053	4.616	4.116	
09/18/11	3.940	3.753	3.567	3.500	3.391	3.374	3.416	3.660	3.992	4.390	4.706	5.001	5.265	5.446	5.582	5.782	5.758	5.722	5.569	5.529	5.396	5.053	4.616	4.116	
09/19/11	4.131	3.997	3.705	3.652	3.807	3.936	4.295	4.614	5.013	5.281	5.603	5.800	6.106	6.262	6.455	6.604	6.608	6.553	6.263	6.082	5.908	5.674	5.121	4.568	
09/20/11	3.756	3.490	3.368	3.333	3.396	3.550	3.828	4.233	4.489	4.713	4.986	5.221	5.386	5.527	5.703	5.863	5.879	5.721	5.590	5.447	5.273	5.005	4.501	4.023	
09/21/11	3.909	3.624	3.495	3.460	3.522	3.666	3.930	4.360	4.639	4.873	5.170	5.425	5.601	5.746	5.930	6.097	6.104	5.943	5.809	5.646	5.458	5.188	4.672	4.186	
09/22/11	3.377	3.384	3.315	3.250	3.240	3.320	3.376	4.102	4.338	4.522	4.719	4.984	5.092	5.279	5.425	5.487	5.542	5.414	5.177	5.042	4.888	4.637	4.208	3.862	
09/23/11	3.537	3.384	3.315	3.250	3.240	3.320	3.376	4.102	4.338	4.522	4.719	4.984	5.092	5.279	5.425	5.487	5.542	5.414	5.177	5.042	4.888	4.637	4.208	3.862	
09/24/11	3.261	3.122	2.980	2.933	2.882	2.982	3.101	3.331	3.626	3.880	4.100	4.216	4.379	4.450	4.558	4.674	4.706	4.637	4.562	4.548	4.390	4.165	3.833	3.487	
09/25/11	3.733	3.553	3.380	3.316	3.222	3.286	3.442	3.822	4.120	4.425	4.645	4.897	5.061	5.205	5.464	5.636	5.773	5.788	5.715	5.488	5.372	5.221	4.972	4.455	
09/26/11	3.503	3.382	3.170	3.137	3.268	3.442	3.822	4.120	4.425	4.645	4.897	5.061	5.205	5.464	5.636	5.773	5.788	5.715	5.488	5.372	5.221	4.972	4.455	3.944	
09/27/11	3.355	3.141	3.042	3.020	3.094	3.287	3.617	3.954	4.135	4.291	4.482	4.646	4.769	4.882	5.020	5.145	5.161	5.040	4.960	4.883	4.744	4.494	4.034	3.590	
09/28/11	3.709	3.449	3.329	3.295	3.358	3.515	3.798	4.445	4.663	4.928	5.156	5.318	5.457	5.630	5.787	5.883	5.825	5.648	5.215	4.948	4.448	3.973	3.571	3.171	
09/29/11	3.337	3.125	3.029	3.009	3.084	3.278	3.611	3.947	4.125	4.269	4.458	4.619	4.740	4.850	4.986	5.105	5.117	5.003	4.929	4.857	4.719	4.473	4.012	3.571	
09/30/11	3.135	3.014	2.964	2.928	2.958	3.155	3.585	3.852	3.981	4.174	4.319	4.369	4.474	4.684	4.575	4.606	4.637	4.550	4.431	4.374	4.251	4.045	3.692	3.374	
10/01/11	2.898	2.797	2.706	2.686	2.679	2.810	2.972	3.173	3.387	3.531	3.621	3.635	3.684	3.676	3.710	3.771	3.799	3.812	3.862	3.906	3.962	3.782	3.608	3.343	3.057
10/02/11	2.850	2.742	2.660	2.644	2.630	2.690	2.900	2.964	3.155	3.311	3.405	3.483	3.551	3.592	3.627	3.711	3.738	3.807	3.877	3.963	3.889	3.659	3.339	2.973	
10/03/11	2.933	2.847	2.713	2.708	2.837	3.029	3.479	3.727	3.902	4.024	4.170	4.252	4.398	4.506	4.616	4.708	4.721	4.686	4.586	4.561	4.439	4.217	3.777	3.340	
10/04/11	3.183	2.991	2.903	2.887	2.964	3.169	3.511	3.822	3.970	4.094	4.255	4.391	4.494	4.596	4.709	4.818	4.832	4.731	4.679	4.624	4.496	4.260	3.825	3.404	
10/05/11	3.217	3.019	2.930	2.911	2.987	3.186	3.521	3.838	3.995	4.129	4.299	4.444	4.552	4.652	4.777	4.889	4.905	4.798	4.737	4.676	4.544	4.306	3.866	3.440	
10/06/11	3.278	3.070	2.975	2.955	3.029	3.219	3.545	3.874	4.050	4.192	4.378	4.537	4.655	4.768	4.897	5.014	5.027	4.914	4.841	4.769	4.634	4.392	3.940	3.507	
10/07/11	3.476	3.266	3.258	3.258	3.180	3.313	3.708	4.029	4.261	4.442	4.636	4.898	5.003	5.188	5.332	5.393	5.446	5.321	5.087	4.954	4.803	4.557	4.135	3.796	
10/08/11	3.282	3.140	2.989	2.939	2.880	2.973	3.082	3.315	3.621	3.891	4.133	4.266	4.448	4.530	4.649	4.772	4.803	4.721	4.625	4.599	4.435	4.207	3.869	3.520	
10/09/11	3.353	3.193	3.030	2.996	2.927	2.923	2.969	3.178	3.462	3.770	4.014	4.247	4.452	4.605	4.729	4.894	4.908	4.892	4.790	4.779	4.680	4.377	3.979	3.535	
10/10/11	3.407	3.289	3.085	3.054	3.183	3.356	3.730	4.020	4.313	4.526	4.768	4.926	5.162	5.317	5.483	5.616	5.630	5.559	5.341	5.232	5.085	4.842	4.338	3.839	
10/11/11	3.621	3.368	3.250	3.218	3.281	3.437	3.710	4.040	4.346	4.558	4.812	5.033	5.191	5.327	5.494	5.648	5.662	5.511	5.388	5.257	5.094	4.831	4.344	3.879	
10/12/11	3.747	3.485	3.368	3.338	3.404	3.556	3.829	4.240	4.504	4.735	5.017	5.260	5.431	5.577	5.757	5.923	5.943	5.774	5.631	5.473	5.286	5.010	4.501	4.018	
10/13/11	3.495	3.257	3.146	3.119	3.185	3.351																			

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/11	2.700	2.610	2.593	2.621	2.735	3.048	3.502	3.686	3.624	3.555	3.527	3.492	3.461	3.433	3.426	3.431	3.418	3.476	3.668	3.714	3.603	3.450	3.156	2.853
11/02/11	2.731	2.635	2.612	2.636	2.746	3.046	3.488	3.681	3.635	3.583	3.573	3.552	3.532	3.515	3.519	3.532	3.523	3.566	3.734	3.774	3.662	3.504	3.199	2.888
11/03/11	2.716	2.622	2.602	2.630	2.742	3.048	3.496	3.686	3.634	3.567	3.550	3.524	3.499	3.476	3.475	3.481	3.466	3.520	3.702	3.746	3.634	3.480	3.179	2.871
11/04/11	2.731	2.666	2.657	2.664	2.740	3.017	3.483	3.667	3.651	3.600	3.574	3.568	3.518	3.522	3.511	3.491	3.493	3.509	3.595	3.623	3.530	3.413	3.178	2.935
11/05/11	2.687	2.633	2.595	2.608	2.643	2.814	3.028	3.201	3.328	3.358	3.316	3.212	3.141	3.031	2.984	2.970	2.988	3.100	3.299	3.393	3.293	3.185	3.002	2.796
11/06/11	2.662	2.566	2.566	2.581	2.606	2.729	2.888	3.033	3.134	3.167	3.129	3.021	2.924	2.856	2.856	2.856	2.869	3.019	3.258	3.423	3.352	3.199	2.970	2.692
11/07/11	2.683	2.632	2.564	2.583	2.717	2.992	3.424	3.604	3.652	3.656	3.684	3.664	3.695	3.709	3.733	3.738	3.761	3.811	3.878	3.917	3.816	3.650	3.312	2.966
11/08/11	2.784	2.705	2.642	2.660	2.764	3.048	3.471	3.678	3.662	3.637	3.650	3.651	3.651	3.652	3.674	3.702	3.696	3.715	3.845	3.873	3.764	3.594	3.273	2.948
11/09/11	2.827	2.709	2.670	2.682	2.782	3.052	3.460	3.678	3.683	3.677	3.710	3.729	3.742	3.791	3.828	3.827	3.828	3.931	3.950	3.841	3.664	3.330	2.995	
11/10/11	2.927	2.787	2.734	2.738	2.829	3.071	3.451	3.693	3.746	3.777	3.849	3.905	3.947	3.988	4.051	4.107	4.108	4.078	4.128	4.127	4.016	3.825	3.463	3.107
11/11/11	2.814	2.736	2.717	2.712	2.775	3.025	3.470	3.670	3.690	3.676	3.683	3.715	3.692	3.742	3.742	3.735	3.745	3.731	3.759	3.768	3.670	3.532	3.273	3.015
11/12/11	2.812	2.733	2.666	2.660	2.670	2.811	3.287	3.461	3.434	3.468	3.435	3.436	3.436	3.389	3.390	3.421	3.445	3.494	3.600	3.663	3.555	3.412	3.188	2.943
11/13/11	2.732	2.654	2.602	2.605	2.614	2.709	2.840	2.992	3.126	3.206	3.220	3.212	3.205	3.177	3.152	3.186	3.205	3.320	3.485	3.615	3.546	3.366	3.107	2.800
11/14/11	2.682	2.596	2.589	2.603	2.620	2.988	3.408	3.598	3.623	3.556	3.526	3.473	3.426	3.407	3.338	3.353	3.359	3.476	3.713	3.696	3.636	3.474	3.188	2.912
11/15/11	2.900	2.843	2.810	2.863	2.961	3.297	3.795	4.029	3.964	3.827	3.724	3.646	3.565	3.524	3.500	3.453	3.478	3.603	3.797	3.868	3.797	3.637	3.370	3.063
11/16/11	2.743	2.644	2.620	2.641	2.730	3.046	3.483	3.680	3.641	3.595	3.591	3.576	3.560	3.547	3.556	3.572	3.564	3.601	3.760	3.797	3.686	3.525	3.216	2.902
11/17/11	2.709	2.611	2.594	2.623	2.738	3.049	3.502	3.689	3.628	3.554	3.530	3.497	3.467	3.439	3.433	3.435	3.419	3.479	3.672	3.719	3.607	3.456	3.159	2.856
11/18/11	2.702	2.648	2.642	2.652	2.731	3.016	3.488	3.668	3.642	3.581	3.545	3.529	3.472	3.467	3.449	3.425	3.450	3.552	3.585	3.493	3.382	3.154	2.915	
11/19/11	2.630	2.589	2.567	2.590	2.638	2.824	3.059	3.228	3.334	3.331	3.250	3.108	3.001	2.856	2.783	2.746	2.761	2.906	3.155	3.264	3.166	3.077	2.915	2.731
11/20/11	2.915	2.882	2.851	2.882	2.937	3.106	3.481	3.723	3.660	3.598	3.481	3.334	3.221	3.143	3.051	3.000	3.066	3.266	3.612	3.620	3.410	3.178	2.923	
11/21/11	2.755	2.694	2.691	2.732	2.848	3.175	3.736	3.944	3.884	3.756	3.709	3.613	3.556	3.533	3.495	3.476	3.492	3.612	3.785	3.824	3.739	3.594	3.290	2.978
11/22/11	2.847	2.794	2.741	2.770	2.875	3.237	3.697	3.908	3.845	3.723	3.642	3.572	3.487	3.464	3.402	3.388	3.403	3.557	3.793	3.810	3.755	3.620	3.345	3.040
11/23/11	2.900	2.843	2.812	2.865	2.962	3.297	3.795	4.029	3.963	3.825	3.724	3.647	3.566	3.524	3.501	3.452	3.478	3.603	3.822	3.868	3.796	3.638	3.370	3.063
11/24/11	2.833	2.805	2.805	2.844	2.860	2.996	3.264	3.648	3.840	3.918	3.769	3.664	3.424	3.361	3.291	3.255	3.306	3.477	3.791	3.751	3.623	3.554	3.263	2.972
11/25/11	3.067	3.005	2.981	3.024	3.079	3.233	3.441	3.694	3.790	3.755	3.659	3.516	3.393	3.257	3.175	3.122	3.201	3.439	3.731	3.797	3.736	3.645	3.414	3.153
11/26/11	3.326	3.234	3.244	3.284	3.369	3.537	3.822	4.132	4.249	4.181	4.017	3.802	3.646	3.489	3.377	3.315	3.356	3.627	3.959	3.901	3.831	3.736	3.579	3.370
11/27/11	3.203	3.147	3.126	3.179	3.244	3.405	3.627	3.901	3.999	3.956	3.848	3.687	3.552	3.401	3.309	3.250	3.338	3.599	3.909	3.969	3.912	3.796	3.545	3.267
11/28/11	3.170	3.075	3.088	3.113	3.280	3.469	3.740	4.051	4.148	4.019	3.816	3.635	3.517	3.354	3.251	3.188	3.421	3.881	4.251	4.212	4.109	4.049	3.743	3.441
11/29/11	3.149	3.093	3.028	3.061	3.170	3.580	4.068	4.303	4.194	3.978	3.812	3.683	3.544	3.499	3.411	3.399	3.437	3.702	4.035	4.041	4.011	3.900	3.630	3.321
11/30/11	2.968	2.923	2.876	2.915	3.033	3.326	3.911	4.172	4.051	3.884	3.768	3.672	3.562	3.527	3.451	3.433	3.453	3.643	3.910	3.920	3.871	3.741	3.463	3.152
12/01/11	3.200	3.154	3.104	3.157	3.295	3.749	4.457	4.747	4.570	4.427	4.282	4.082	3.957	3.819	3.771	3.677	3.652	3.915	4.237	4.243	4.193	4.054	3.743	3.395
12/02/11	3.283	3.235	3.224	3.281	3.477	3.820	4.456	4.777	4.634	4.416	4.237	4.004	3.875	3.797	3.655	3.611	3.666	3.825	4.165	4.164	4.059	3.801	3.523	
12/03/11	3.288	3.188	3.188	3.221	3.299	3.633	4.381	4.859	4.199	4.149	4.007	3.817	3.677	3.538	3.428	3.372	3.414	3.638	3.972	3.967	3.891	3.778	3.599	3.361
12/04/11	3.313	3.247	3.223	3.276	3.345	3.520	3.759	4.052	4.158	4.113	3.999	3.829	3.685	3.531	3.426	3.363	3.456	3.732	4.069	4.138	4.049	3.749	3.677	3.378
12/05/11	3.295	3.218	3.255	3.303	3.510	3.912	4.542	4.881	4.759	4.561	4.364	4.133	3.984	3.913	3.773	3.797	3.825	4.099	4.493	4.455	4.428	4.257	3.912	3.566
12/06/11	3.536	3.510	3.464	3.538	3.691	4.200	4.785	5.086	4.933	4.641	4.403	4.212	4.012	3.936	3.807	3.777	3.819	4.157	4.560	4.540	4.574	4.406	4.060	3.698
12/07/11	3.716	3.659	3.562	3.596	3.710	4.208	4.791	5.046	4.890	4.591	4.363	4.161	3.956	3.901	3.777	3.762	3.839	4.252	4.698	4.679	4.670	4.584	4.271	3.921
12/08/11	3.784	3.730	3.624	3.658	3.773	4.285	4.897	5.141	4.979	4.673	4.458	4.252	4.048	4.002	3.877	3.859	3.934	4.361	4.803	4.778	4.773	4.699	4.372	4.020
12/09/11	3.542	3.501	3.493	3.565	3.779	4.125	4.766	5.129	4.981	4.717	4.481	4.201	4.027	3.920	3.747	3.700	3.783	4.029	4.401	4.367	4.256	4.222	4.020	3.726
12/10/11	3.304	3.203	3.204	3.238	3.318	3.503	3.803	4.115	4.225	4.171	4.024	3.830	3.687	3.538	3.434	3.377	3.418	3.648	3.986	3.970	3.900	3.789	3.611	3.373
12/11/11	3.337	3.273	3.249	3.305	3.375	3.551	3.792	4.090	4.198	4.151	4.035	3.860	3.714	3.550	3.450	3.386	3.481	3.762	4.102	4.102	4.107	3.980	3.706	3.404
12/12/11	3.222	3.147	3.179	3.223	3.425	3.826	4.448	4.779	4.658	4.467	4.279	4.061	3.920	3.857	3.724	3.742	3.761	4.013	4.396	4.375	4.347	4.180	3.836	3.491
12/13/11	3.370	3.334	3.288	3.352	3.499	3.983	4.551	4.840	4.704	4.446	4.243	4.082	3.911	3.846	3.734	3.708	3.741	4.031	4.396	4.389	4.345	4.211	3.900	3.544
12/14/11	3.255	3.255	3.209	3.267	3.410	3.881	4.441	4.722	4.593	4.353	4.173	4.027	3.870	3.708	3.683	3.713	3.980	4.325	4.698	4.679	4.670	4.574	4.271	3.921
12/15/11	3.186	3.139	3.089	3.141	3.278	3.729	4.278	4.546	4.435	4.219	4.069	3.947	3.811	3.765	3.673	3.648	3.668	3.905	4.224	4.231	4.180	4.041	3.730	3.382
12/16/11	3.169	3.112	3.099	3.144	3.330	3.666	4.284	4.571	4.442	4.255	4.110	3.910	3.809	3.748	3.624	3.586	3.627	3.743	4.050	4.072	3.968	3.914	3.703	3.424
12/17/11	3.152	3.049	3.039	3.062	3.126	3.301	3.570	3.856	3.960	3.951	3.856	3.712	3.600	3.475	3.388	3.341	3.381	3.566						

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
01/01/12	3.241	3.169	3.142	3.186	3.246	3.416	3.643	3.914	4.014	3.979	3.887	3.744	3.620	3.480	3.390	3.334	3.418	3.673	3.989	4.062	3.992	3.874	3.609	3.320
01/02/12	3.238	3.166	3.140	3.186	3.247	3.421	3.650	3.919	4.020	3.983	3.889	3.722	3.593	3.457	3.368	3.311	3.396	3.653	3.969	4.043	3.976	3.860	3.596	3.312
01/03/12	3.224	3.177	3.124	3.174	3.310	3.476	3.714	4.014	4.269	4.120	3.999	3.866	3.821	3.730	3.688	3.709	3.732	3.963	4.278	4.285	4.089	3.777	3.426	3.100
01/04/12	3.310	3.267	3.219	3.274	3.416	3.886	4.448	4.727	4.603	4.372	4.202	4.064	3.913	3.858	3.758	3.734	3.762	4.019	4.357	4.358	4.309	4.169	3.855	3.500
01/05/12	3.500	3.466	3.421	3.492	3.644	4.143	4.725	5.025	4.882	4.597	4.379	4.204	4.019	3.948	3.827	3.795	3.829	4.146	4.535	4.524	4.482	4.351	4.032	3.669
01/06/12	3.421	3.377	3.367	3.431	3.635	3.985	4.635	4.979	4.829	4.591	4.390	4.136	3.989	3.948	3.844	3.696	3.761	3.951	4.312	4.298	4.142	3.933	3.650	3.381
01/07/12	3.533	3.431	3.440	3.484	3.578	3.767	4.088	4.432	4.558	4.480	4.297	4.061	3.889	3.717	3.593	3.525	3.570	3.862	4.232	4.176	4.098	3.991	3.815	3.581
01/08/12	3.506	3.449	3.424	3.492	3.570	3.760	4.016	4.334	4.442	4.390	4.268	4.087	3.938	3.768	3.668	3.596	3.702	4.012	4.362	4.423	4.357	4.226	3.933	3.610
01/09/12	3.530	3.449	3.483	3.558	3.771	4.191	4.846	5.117	4.957	4.684	4.486	4.376	4.316	4.192	4.028	3.928	4.298	4.663	5.036	4.951	4.908	4.712	4.300	3.939
01/10/12	3.755	3.722	3.655	3.718	3.862	4.386	4.990	5.281	5.117	4.805	4.555	4.343	4.127	4.055	3.918	3.892	3.952	4.345	4.784	4.757	4.732	4.625	4.301	3.936
01/11/12	3.474	3.440	3.396	3.462	3.613	4.108	4.687	4.964	4.826	4.558	4.355	4.185	4.003	3.934	3.816	3.788	3.824	4.131	4.510	4.500	4.457	4.324	4.007	3.645
01/12/12	3.460	3.424	3.378	3.446	3.597	4.090	4.668	4.945	4.826	4.550	4.341	4.174	3.995	3.928	3.811	3.780	3.811	4.117	4.496	4.488	4.445	4.312	3.994	3.633
01/13/12	3.366	3.318	3.308	3.368	3.567	3.916	4.562	4.893	4.746	4.520	4.333	4.092	3.956	3.873	3.727	3.681	3.739	3.908	4.258	4.253	4.146	4.097	3.887	3.605
01/14/12	3.301	3.199	3.196	3.226	3.300	3.484	3.777	4.078	4.190	4.023	3.846	3.713	3.572	3.474	3.343	3.320	3.462	3.674	4.000	4.007	3.929	3.813	3.629	3.384
01/15/12	3.228	3.155	3.128	3.173	3.358	3.696	4.316	4.600	4.474	4.292	4.153	3.958	3.862	3.804	3.682	3.646	3.684	3.793	4.095	4.122	4.017	3.961	3.746	3.463
01/16/12	3.238	3.166	3.140	3.186	3.247	3.421	3.650	3.919	4.020	3.983	3.889	3.722	3.593	3.457	3.368	3.311	3.396	3.653	3.969	4.043	3.976	3.860	3.596	3.312
01/17/12	3.184	3.135	3.081	3.127	3.260	3.706	4.253	4.514	4.410	4.081	3.969	3.844	3.803	3.716	3.697	3.697	3.718	3.936	4.241	4.250	4.197	4.051	3.739	3.390
01/18/12	3.169	3.119	3.066	3.110	3.242	3.683	4.227	4.486	4.384	4.196	4.067	3.959	3.836	3.796	3.711	3.691	3.713	3.927	4.226	4.237	4.182	4.037	3.724	3.376
01/19/12	3.118	3.062	3.007	3.049	3.177	3.605	4.140	4.392	4.303	4.127	4.013	3.917	3.805	3.772	3.693	3.671	3.686	3.888	4.176	4.192	4.134	3.988	3.675	3.329
01/20/12	3.203	3.144	3.129	3.173	3.358	3.696	4.316	4.600	4.474	4.292	4.153	3.958	3.862	3.804	3.682	3.646	3.684	3.793	4.095	4.122	4.017	3.961	3.746	3.463
01/21/12	3.087	2.977	2.956	3.008	3.020	3.181	3.424	3.673	3.806	3.844	3.795	3.690	3.605	3.497	3.421	3.380	3.419	3.585	3.847	3.868	3.786	3.656	3.461	3.212
01/22/12	3.090	3.010	2.976	3.026	3.058	3.213	3.416	3.654	3.755	3.747	3.693	3.594	3.502	3.389	3.314	3.264	3.329	3.567	3.841	3.917	3.843	3.718	3.467	3.200
01/23/12	2.968	2.892	2.893	2.924	3.088	3.457	4.011	4.264	4.179	4.086	3.989	3.859	3.785	3.757	3.669	3.674	3.673	3.846	4.152	4.165	4.107	3.949	3.598	3.260
01/24/12	3.086	3.030	2.973	3.010	3.134	3.555	4.084	4.330	4.246	4.089	3.982	3.891	3.786	3.755	3.680	3.662	3.680	3.869	4.147	4.163	4.104	3.955	3.645	3.300
01/25/12	3.093	3.029	2.994	3.053	3.163	3.538	4.096	4.359	4.285	4.130	4.017	3.931	3.840	3.793	3.767	3.713	3.742	3.882	4.127	4.179	4.098	3.920	3.625	3.300
01/26/12	2.884	2.826	2.811	2.825	2.915	3.259	3.763	3.975	3.915	3.839	3.818	3.787	3.758	3.731	3.729	3.755	3.718	3.779	3.986	4.036	3.911	3.738	3.401	3.058
01/27/12	2.897	2.854	2.817	2.825	2.911	3.224	3.749	3.953	3.932	3.872	3.841	3.831	3.773	3.775	3.760	3.737	3.739	3.759	3.860	3.893	3.789	3.660	3.398	3.127
01/28/12	3.134	3.062	3.011	3.065	3.140	3.400	3.822	4.083	4.126	4.046	3.935	3.783	3.727	3.620	3.521	3.521	3.572	3.865	4.142	4.091	3.956	3.867	3.644	3.329
01/29/12	2.805	2.743	2.708	2.730	2.764	2.913	3.101	3.261	3.362	3.383	3.321	3.222	3.137	3.031	2.937	2.924	2.936	3.118	3.414	3.612	3.531	3.369	3.124	2.823
01/30/12	2.930	2.862	2.859	2.905	3.035	3.310	4.031	4.263	4.197	4.052	4.001	3.892	3.828	3.703	3.603	3.570	3.758	3.892	4.086	4.129	4.034	3.872	3.530	3.180
01/31/12	3.089	3.033	2.976	3.013	3.138	3.560	4.089	4.335	4.251	4.092	3.985	3.788	3.757	3.681	3.663	3.663	3.681	3.871	4.150	4.165	4.107	3.957	3.648	3.303
02/01/12	3.009	2.950	2.891	2.927	3.053	3.480	4.020	4.270	4.187	4.032	3.931	3.843	3.737	3.707	3.632	3.613	3.633	3.821	4.102	4.120	4.057	3.904	3.584	3.230
02/02/12	3.069	2.955	2.925	2.999	3.132	3.575	4.129	4.390	4.297	4.112	3.992	3.891	3.774	3.739	3.657	3.634	3.650	3.860	4.160	4.175	4.116	3.966	3.643	3.286
02/03/12	3.128	3.066	3.050	3.093	3.282	3.628	4.263	4.549	4.422	4.241	4.105	3.910	3.817	3.760	3.637	3.601	3.639	3.744	4.048	4.079	3.972	3.912	3.690	3.398
02/04/12	3.239	3.133	3.129	3.159	3.235	3.424	3.723	4.031	4.146	4.109	3.981	3.802	3.668	3.525	3.425	3.370	3.413	3.628	3.961	3.970	3.890	3.769	3.579	3.327
02/05/12	3.177	3.101	3.074	3.118	3.180	3.354	3.586	3.863	3.966	3.931	3.839	3.694	3.569	3.426	3.335	3.277	3.363	3.625	3.947	4.022	3.950	3.830	3.556	3.259
02/06/12	3.229	3.151	3.184	3.230	3.441	3.860	4.509	4.854	4.728	4.529	4.332	4.105	3.958	3.892	3.753	3.772	3.792	3.925	4.454	4.432	4.403	4.229	3.870	3.509
02/07/12	3.353	3.314	3.265	3.314	3.473	3.982	4.573	4.874	4.732	4.470	4.266	4.104	3.931	3.867	3.752	3.726	3.759	4.052	4.420	4.420	4.374	4.232	3.908	3.539
02/08/12	3.522	3.480	3.422	3.483	3.629	4.143	4.737	5.063	4.885	4.589	4.354	4.165	3.965	3.892	3.766	3.740	3.790	4.144	4.565	4.552	4.517	4.392	4.068	3.697
02/09/12	3.293	3.249	3.200	3.262	3.411	3.901	4.485	4.778	4.648	4.434	4.209	4.060	3.899	3.840	3.733	3.704	3.730	4.009	4.369	4.369	4.320	4.179	3.852	3.485
02/10/12	3.322	3.273	3.263	3.273	3.351	3.890	4.557	4.900	4.748	4.514	4.319	4.069	3.928	3.842	3.690	3.642	3.680	4.242	4.242	4.236	4.125	4.075	3.858	3.567
02/11/12	3.147	3.039	3.028	3.051	3.118	3.299	3.578	3.864	3.984	3.977	3.881	3.734	3.620	3.490	3.400	3.351	3.393	3.585	3.891	3.914	3.833	3.707	3.512	3.256
02/12/12	3.152	3.076	3.048	3.090	3.150	3.322	3.551	3.822	3.925	3.893	3.806	3.669	3.548	3.410	3.321	3.265	3.349	3.606	3.922	3.998	3.925	3.806	3.533	3.238
02/13/12	3.030	2.955	2.969	3.008	3.196	3.603	4.216	4.513	4.399	4.249	4.104	3.931	3.825	3.782	3.673	3.680	3.683	3.893	4.246	4.255	4.217	4.047	3.683	3.325
02/14/12	3.064	3.009	2.951	2.993	3.125	3.508	4.121	4.380	4.286	4.110	3.989	3.887	3.772	3.736	3.654	3.636	3.655	3.860	4.157	4.170	4.112	3.959	3.639	3.282
02/15/12	3.027	2.970	2.912	2.950	3.078	3.510	4.054	4.307	4.220	4.058	3.950	3.858	3.749	3.640	3.621	3.641	3.641	3.835	4.120	4.137	4.075	3.923	3.602	3.247
02/16/12	3.030	2.972	2.913	2.953	3.082	3.515	4.061	4.316	4.231	4.060	3.952	3.860	3.751	3.719	3.642	3.620</								

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
03/01/12	2.849	2.807	2.817	2.872	2.970	3.304	3.801	4.036	3.972	3.828	3.728	3.651	3.571	3.530	3.507	3.456	3.477	3.605	3.826	3.873	3.802	3.645	3.375	3.070
03/02/12	3.029	2.982	3.011	3.067	3.173	3.503	4.009	4.203	4.129	3.897	3.738	3.603	3.474	3.397	3.336	3.329	3.336	3.474	3.721	3.725	3.699	3.661	3.498	3.217
03/03/12	2.943	2.872	2.834	2.882	2.948	3.179	3.555	3.787	3.825	3.755	3.656	3.521	3.471	3.375	3.288	3.288	3.333	3.593	3.839	3.794	3.674	3.595	3.396	3.116
03/04/12	2.922	2.889	2.858	2.889	2.944	3.113	3.347	3.567	3.665	3.603	3.487	3.340	3.226	3.149	3.058	3.007	3.072	3.272	3.617	3.625	3.582	3.416	3.184	2.929
03/05/12	2.801	2.733	2.733	2.763	2.909	3.239	3.734	3.960	3.983	3.798	3.709	3.593	3.525	3.400	3.421	3.425	3.425	3.579	3.853	3.865	3.823	3.674	3.361	3.060
03/06/12	2.915	2.866	2.816	2.850	2.962	3.331	3.814	4.035	3.957	3.812	3.712	3.628	3.532	3.503	3.434	3.418	3.435	3.607	3.858	3.871	3.820	3.687	3.412	3.105
03/07/12	2.908	2.860	2.810	2.843	2.954	3.330	3.801	4.021	3.944	3.800	3.705	3.624	3.528	3.499	3.432	3.415	3.432	3.603	3.851	3.865	3.812	3.681	3.404	3.098
03/08/12	2.955	2.907	2.859	2.898	3.015	3.402	3.883	4.111	4.027	3.861	3.752	3.660	3.556	3.523	3.450	3.430	3.444	3.632	3.895	3.907	3.857	3.729	3.449	3.141
03/09/12	3.130	3.095	3.094	3.153	3.338	3.655	4.236	4.399	4.201	4.038	3.827	3.740	3.635	3.504	3.461	3.505	3.505	3.640	3.940	3.938	3.789	3.598	3.343	3.043
03/10/12	3.042	2.950	2.943	2.966	3.027	3.187	3.436	3.692	3.793	3.774	3.678	3.537	3.431	3.313	3.231	3.187	3.223	3.398	3.673	3.688	3.619	3.513	3.346	3.127
03/11/12	2.939	2.869	2.842	2.873	2.920	3.062	3.295	3.541	3.484	3.385	3.295	3.189	3.119	3.073	3.043	3.073	3.142	3.351	3.605	3.672	3.607	3.505	3.346	3.023
03/12/12	2.826	2.759	2.764	2.793	2.944	3.281	3.786	4.020	3.936	3.838	3.740	3.613	3.541	3.430	3.403	3.461	3.505	3.640	3.940	3.938	3.789	3.598	3.343	3.043
03/13/12	2.901	2.851	2.800	2.833	2.944	3.318	3.788	4.007	3.932	3.792	3.697	3.617	3.523	3.496	3.428	3.413	3.429	3.597	3.844	3.858	3.806	3.673	3.398	3.091
03/14/12	2.907	2.850	2.819	2.871	2.969	3.303	3.799	4.033	3.967	3.829	3.728	3.652	3.571	3.530	3.506	3.458	3.484	3.608	3.826	3.873	3.801	3.642	3.375	3.069
03/15/12	2.907	2.849	2.817	2.872	2.970	3.304	3.801	4.036	3.972	3.828	3.728	3.651	3.571	3.530	3.506	3.456	3.477	3.608	3.826	3.873	3.802	3.645	3.375	3.070
03/16/12	3.082	3.029	3.011	3.067	3.173	3.503	4.009	4.203	4.129	3.897	3.738	3.603	3.474	3.397	3.336	3.329	3.336	3.474	3.721	3.725	3.699	3.661	3.498	3.217
03/17/12	2.834	2.872	2.834	2.882	2.948	3.179	3.555	3.787	3.825	3.755	3.656	3.521	3.471	3.375	3.288	3.288	3.333	3.593	3.839	3.794	3.674	3.595	3.396	3.116
03/18/12	2.889	2.838	2.838	2.869	2.944	3.113	3.347	3.567	3.665	3.603	3.487	3.340	3.226	3.149	3.058	3.007	3.072	3.272	3.617	3.625	3.582	3.416	3.184	2.929
03/19/12	2.618	2.582	2.538	2.568	2.709	3.009	3.463	3.615	3.608	3.553	3.526	3.453	3.429	3.391	3.371	3.360	3.357	3.458	3.613	3.676	3.578	3.439	3.184	2.830
03/20/12	2.721	2.629	2.608	2.635	2.747	3.053	3.501	3.689	3.634	3.573	3.553	3.524	3.499	3.476	3.474	3.483	3.471	3.522	3.703	3.746	3.635	3.479	3.182	2.876
03/21/12	2.907	2.850	2.819	2.871	2.969	3.303	3.799	4.033	3.967	3.829	3.728	3.652	3.571	3.529	3.506	3.458	3.484	3.608	3.826	3.873	3.801	3.642	3.375	3.069
03/22/12	2.779	2.672	2.642	2.663	2.768	3.055	3.481	3.685	3.664	3.626	3.623	3.627	3.627	3.623	3.641	3.662	3.652	3.680	3.822	3.853	3.744	3.579	3.261	2.940
03/23/12	2.724	2.662	2.656	2.664	2.742	3.023	3.492	3.672	3.650	3.592	3.561	3.549	3.494	3.493	3.477	3.455	3.456	3.477	3.573	3.604	3.512	3.399	3.169	2.929
03/24/12	2.661	2.615	2.586	2.605	2.647	2.826	3.051	3.221	3.336	3.347	3.283	3.157	3.066	2.937	2.875	2.848	2.865	2.995	3.222	3.324	3.226	3.129	2.958	2.765
03/25/12	2.647	2.593	2.563	2.583	2.614	2.748	2.918	3.059	3.148	3.163	3.105	3.034	2.837	2.751	2.737	2.737	2.747	2.911	3.179	3.357	3.285	3.142	2.927	2.660
03/26/12	2.680	2.631	2.566	2.587	2.721	2.998	3.432	3.608	3.650	3.646	3.668	3.642	3.666	3.675	3.694	3.714	3.716	3.772	3.849	3.891	3.791	3.628	3.296	2.955
03/27/12	2.825	2.769	2.691	2.708	2.839	3.107	3.534	3.937	3.792	3.814	3.861	3.857	3.907	3.976	4.011	4.016	4.016	4.063	4.017	3.995	3.890	3.724	3.430	3.154
03/28/12	2.913	2.780	2.730	2.733	2.825	3.072	3.455	3.946	3.733	3.762	3.826	3.875	3.911	3.946	4.004	4.059	4.063	4.036	4.093	4.095	3.985	3.796	3.442	3.091
03/29/12	2.946	2.805	2.750	2.753	2.842	3.081	3.456	3.700	3.759	3.794	3.871	3.931	3.977	4.021	4.087	4.145	4.147	4.113	4.156	4.152	4.042	3.849	3.485	3.128
03/30/12	2.949	2.853	2.820	2.800	2.844	3.058	3.475	3.698	3.770	3.803	3.859	3.944	3.958	4.083	4.083	4.095	4.114	4.063	4.017	3.995	3.890	3.724	3.430	3.154
03/31/12	2.746	2.681	2.631	2.636	2.660	2.817	3.013	3.189	3.335	3.384	3.311	3.272	3.191	3.164	3.164	3.192	3.192	3.276	3.432	3.513	3.410	3.287	3.086	2.864
04/01/12	2.819	2.747	2.699	2.706	2.721	2.825	2.966	3.116	3.240	3.306	3.304	3.276	3.253	3.209	3.171	3.195	3.212	3.338	3.528	3.669	3.600	3.427	3.176	2.876
04/02/12	2.825	2.769	2.691	2.708	2.839	3.107	3.534	3.937	3.792	3.814	3.861	3.857	3.907	3.976	4.011	4.016	4.016	4.063	4.017	3.995	3.890	3.724	3.430	3.154
04/03/12	2.893	2.784	2.752	2.752	2.875	3.161	3.587	3.795	3.778	3.751	3.762	3.763	3.761	3.761	3.783	3.810	3.804	3.824	3.958	3.986	3.876	3.705	3.384	3.058
04/04/12	2.870	2.767	2.739	2.759	2.867	3.160	3.594	3.796	3.765	3.726	3.729	3.720	3.709	3.701	3.715	3.735	3.728	3.759	3.908	3.942	3.831	3.666	3.351	3.031
04/05/12	2.824	2.775	2.766	2.773	2.850	3.162	3.614	3.804	3.749	3.679	3.660	3.638	3.626	3.629	3.616	3.578	3.582	3.623	3.810	3.855	3.743	3.588	3.287	2.979
04/06/12	2.839	2.775	2.765	2.773	2.850	3.143	3.600	3.784	3.766	3.713	3.685	3.671	3.657	3.629	3.616	3.578	3.582	3.623	3.810	3.855	3.743	3.588	3.287	2.979
04/07/12	2.975	2.875	2.853	2.860	2.904	3.043	3.253	3.469	3.396	3.364	3.357	3.327	3.311	3.299	3.299	3.264	3.298	3.444	3.670	3.683	3.608	3.489	3.313	3.091
04/08/12	3.159	3.094	3.071	3.111	3.166	3.319	3.524	3.770	3.860	3.827	3.742	3.611	3.497	3.368	3.287	3.236	3.312	3.544	3.829	3.895	3.833	3.726	3.487	3.227
04/09/12	2.867	2.795	2.793	2.818	2.957	3.276	3.757	3.973	3.911	3.846	3.774	3.668	3.609	3.588	3.512	3.519	3.518	3.663	3.927	3.935	3.887	3.734	3.424	3.126
04/10/12	2.864	2.808	2.808	2.834	2.934	3.284	3.734	3.939	3.887	3.781	3.713	3.652	3.574	3.555	3.497	3.483	3.498	3.641	3.869	3.889	3.830	3.693	3.418	3.113
04/11/12	2.823	2.731	2.712	2.738	2.852	3.161	3.612	3.801	3.744	3.680	3.661	3.632	3.604	3.579	3.577	3.584	3.573	3.626	3.810	3.854	3.742	3.586	3.286	2.979
04/12/12	2.910	2.796	2.762	2.779	2.883	3.163	3.584	3.797	3.790	3.764	3.785	3.793	3.797	3.802	3.829	3.856	3.849	3.865	3.990	4.016	3.906	3.735	3.406	3.076
04/13/12	3.189	3.136	3.118	3.174	3.282	3.614	4.124	4.320	4.245	4.012	3.851	3.715	3.585	3.507	3.445	3.438	3.446	3.585	3.833	3.838	3.812	3.773	3.609	3.325
04/14/12	2.789	2.736	2.736	2.763	2.862	3.145	3.583	3.792	3.829	3.836	3.887	3.923	3.949	3.940	3.969	3.969	3.981	3.955	3.958	3.957	3.856	3.708	3.435	3.169
04/15/12	3.028	2.994	2.964	2.995	3.050	3.220	3.356	3.678	3.777	3.715	3.597	3.449	3.335	3.257	3.165	3.113	3.179	3.380	3.729	3.737	3.694	3.526	3.292	3.035
04/16/12	2.809	2.756	2.682	2.700	2.833	3.105	3.536	3.722	3.780	3.793	3.818	3.859	3.881	3.912	3.912	3.942	3.946	3.989	4					

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
05/01/12	3,529	3,313	3,213	3,192	3,271	3,481	3,836	4,181	4,359	4,511	4,699	4,860	4,982	5,094	5,232	5,357	5,374	5,254	5,181	5,110	4,968	4,709	4,232	3,772
05/02/12	3,610	3,382	3,277	3,256	3,327	3,526	3,866	4,227	4,423	4,593	4,804	4,983	5,116	5,237	5,386	5,520	5,539	5,407	5,316	5,220	5,082	4,818	4,329	3,860
05/03/12	3,999	3,202	3,115	3,103	3,190	3,390	3,798	4,120	4,261	4,371	4,526	4,656	4,755	4,848	4,965	5,068	5,079	4,987	4,953	4,907	4,773	4,528	4,071	3,628
05/04/12	3,479	3,340	3,279	3,230	3,246	3,428	3,867	4,167	4,344	4,474	4,619	4,816	4,893	5,043	5,161	5,207	5,248	5,136	4,962	4,875	4,755	4,500	4,100	3,754
05/05/12	3,156	3,048	2,950	2,929	2,922	3,063	3,236	3,451	3,680	3,835	3,931	3,946	3,999	3,993	4,026	4,092	4,122	4,135	4,189	4,236	4,304	4,397	4,500	4,633
05/06/12	2,936	2,852	2,797	2,804	2,819	2,934	3,090	3,260	3,404	3,484	3,484	3,459	3,438	3,354	3,354	3,383	3,404	3,454	3,750	3,907	4,029	4,182	4,344	4,503
05/07/12	2,929	2,867	2,781	2,800	2,949	3,253	3,737	3,950	4,022	4,045	4,094	4,087	4,140	4,172	4,212	4,251	4,256	4,298	4,347	4,383	4,267	4,071	3,675	3,271
05/08/12	3,086	2,947	2,898	2,910	3,021	3,322	3,780	4,030	4,050	4,054	4,098	4,128	4,150	4,172	4,219	4,267	4,266	4,259	4,363	4,380	4,256	4,050	3,666	3,281
05/09/12	3,059	2,926	2,883	2,897	3,011	3,319	3,784	4,030	4,033	4,025	4,060	4,080	4,092	4,106	4,145	4,186	4,184	4,184	4,308	4,330	4,206	4,006	3,628	3,250
05/10/12	3,064	2,928	2,884	2,900	3,014	3,320	3,785	4,033	4,042	4,028	4,065	4,088	4,103	4,118	4,159	4,198	4,192	4,192	4,317	4,340	4,216	4,016	3,635	3,255
05/11/12	3,100	3,005	2,976	2,965	3,028	3,297	3,791	4,027	4,072	4,077	4,105	4,162	4,152	4,206	4,240	4,241	4,255	4,224	4,224	4,222	4,108	3,939	3,630	3,329
05/12/12	3,155	3,047	2,949	2,929	2,921	3,062	3,236	3,451	3,680	3,834	3,930	3,944	3,996	3,987	4,023	4,088	4,119	4,132	4,187	4,234	4,102	3,915	3,631	3,325
05/13/12	3,129	3,010	2,918	2,898	2,880	2,939	3,204	3,429	3,640	3,818	3,929	3,944	3,996	3,962	4,007	4,104	4,133	4,201	4,261	4,346	4,266	4,014	3,665	3,267
05/14/12	3,168	3,078	2,939	2,936	3,075	3,327	3,771	4,033	4,211	4,334	4,482	4,564	4,713	4,823	4,936	5,030	5,044	5,011	4,915	4,893	4,764	4,529	4,063	3,599
05/15/12	3,464	3,258	3,164	3,146	3,229	3,448	3,814	4,148	4,307	4,443	4,614	4,760	4,871	4,974	5,102	5,218	5,234	5,125	5,070	5,010	4,872	4,619	4,153	3,701
05/16/12	3,520	3,305	3,207	3,186	3,266	3,476	3,831	4,176	4,349	4,498	4,687	4,846	4,965	5,076	5,213	5,335	5,353	5,235	5,164	5,095	4,953	4,696	4,220	3,761
05/17/12	3,571	3,347	3,245	3,224	3,302	3,505	3,853	4,207	4,397	4,551	4,752	4,924	5,052	5,169	5,313	5,439	5,453	5,331	5,251	5,173	5,028	4,768	4,283	3,817
05/18/12	3,726	3,569	3,497	3,473	3,424	3,569	3,994	4,351	4,569	4,755	4,954	5,221	5,330	5,521	5,671	5,734	5,789	5,657	5,416	5,282	5,124	4,863	4,418	4,057
05/19/12	3,497	3,350	3,198	3,148	3,093	3,197	3,320	3,563	3,877	4,148	4,385	4,511	4,687	4,765	4,881	5,006	5,039	4,963	4,879	4,862	4,786	4,456	4,104	3,738
05/20/12	3,440	3,284	3,151	3,105	3,050	3,061	3,123	3,333	3,610	3,892	4,109	4,315	4,495	4,632	4,744	4,899	4,924	4,929	4,864	4,879	4,786	4,482	4,077	3,625
05/21/12	3,620	3,498	3,290	3,260	3,397	3,590	3,996	4,302	4,599	4,817	5,064	5,225	5,466	5,629	5,801	5,940	5,956	5,881	5,661	5,556	5,403	5,143	4,610	4,084
05/22/12	3,821	3,564	3,443	3,411	3,481	3,658	3,971	4,367	4,608	4,818	5,071	5,289	5,448	5,588	5,759	5,915	5,932	5,778	5,656	5,533	5,378	5,091	4,579	4,089
05/23/12	3,911	3,643	3,519	3,484	3,551	3,720	4,021	4,433	4,688	4,911	5,183	5,417	5,583	5,728	5,906	6,068	6,086	5,925	5,794	5,657	5,483	5,204	4,682	4,185
05/24/12	3,917	3,647	3,522	3,489	3,557	3,725	4,027	4,440	4,699	4,916	5,189	5,424	5,592	5,737	5,916	6,075	6,087	5,931	5,802	5,666	5,491	5,213	4,689	4,192
05/25/12	3,938	3,670	3,546	3,513	3,585	3,716	4,019	4,430	4,689	4,916	5,200	5,234	5,552	5,676	5,892	6,057	6,128	6,195	6,057	5,780	5,612	5,439	5,164	4,689
05/26/12	4,139	3,966	3,748	3,679	3,558	3,658	3,755	4,046	4,452	4,845	5,233	5,439	5,740	5,854	6,034	6,196	6,218	6,076	5,896	5,814	5,571	5,310	4,896	4,486
05/27/12	4,153	3,958	3,764	3,694	3,583	3,689	3,863	4,209	4,623	4,950	5,258	5,532	5,722	5,865	6,041	6,074	6,082	6,014	5,855	5,814	5,676	5,516	5,095	4,662
05/28/12	4,218	4,037	3,824	3,773	3,652	3,637	3,694	3,921	4,350	4,837	5,174	5,590	5,850	5,970	6,210	6,431	6,431	6,386	6,128	5,815	5,516	5,173	4,680	4,210
05/29/12	4,389	4,052	3,894	3,841	3,892	4,019	4,261	4,735	5,038	5,302	5,628	5,909	6,091	6,231	6,420	6,598	6,599	6,445	6,326	6,151	5,959	5,696	5,173	4,680
05/30/12	4,346	4,015	3,860	3,807	3,858	3,987	4,233	4,701	5,000	5,260	5,584	5,862	6,042	6,182	6,371	6,547	6,542	6,389	6,269	6,099	5,909	5,648	5,126	4,634
05/31/12	4,394	4,061	3,936	3,903	3,821	3,789	3,896	4,312	4,683	5,025	5,450	5,788	5,915	6,138	6,306	6,378	6,450	6,315	6,029	5,846	5,668	5,393	4,913	4,552
06/01/12	4,145	3,976	3,903	3,821	3,769	3,665	3,475	3,724	4,055	4,352	4,623	4,773	4,978	5,071	5,204	5,338	5,370	5,276	5,163	5,128	4,948	4,705	4,343	3,971
06/02/12	3,710	3,557	3,393	3,337	3,269	3,269	3,335	3,475	3,724	4,055	4,352	4,623	4,773	4,978	5,071	5,204	5,338	5,370	5,276	5,163	5,128	4,948	4,705	4,343
06/03/12	3,633	3,473	3,332	3,280	3,216	3,218	3,272	3,485	3,771	4,074	4,311	4,537	4,735	4,885	5,007	5,172	5,191	5,184	5,095	5,094	4,996	4,687	4,278	3,822
06/04/12	3,673	3,555	3,356	3,328	3,262	3,263	3,328	3,454	3,741	4,031	4,269	4,508	4,685	4,826	4,942	5,041	5,041	4,969	4,866	4,866	4,866	4,866	4,866	4,866
06/05/12	3,725	3,497	3,391	3,365	3,439	3,631	3,961	4,319	4,519	4,693	4,903	5,084	5,219	5,341	5,491	5,626	5,643	5,511	5,417	5,327	5,180	4,918	4,436	3,973
06/06/12	3,686	3,464	3,362	3,337	3,412	3,608	3,944	4,295	4,485	4,649	4,853	5,026	5,155	5,272	5,417	5,547	5,565	5,438	5,351	5,269	5,124	4,866	4,388	3,929
06/07/12	3,661	3,439	3,337	3,312	3,386	3,582	3,918	4,269	4,459	4,623	4,827	5,000	5,129	5,246	5,363	5,480	5,498	5,371	5,284	5,200	5,054	4,796	4,318	3,859
06/08/12	3,367	3,251	3,206	3,176	3,215	3,435	3,888	4,150	4,258	4,410	4,534	4,658	4,747	4,771	4,797	4,722	4,632	4,590	4,468	4,268	4,268	3,922	3,603	3,328
06/09/12	3,176	3,082	3,002	2,991	2,996	3,179	3,330	3,544	3,865	4,186	4,465	4,694	4,865	4,994	5,196	5,340	5,488	5,609	5,625	5,562	5,390	5,184	4,936	3,947
06/10/12	3,278	3,153	3,055	3,030	3,005	3,052	3,143	3,331	3,552	3,748	3,879	3,997	4,099	4,170	4,230	4,338	4,367	4,420	4,451	4,519	4,439	4,181	3,827	3,425
06/11/12	3,497	3,389	3,215	3,197	3,330	3,544	3,955	4,239	4,483	4,661	4,865	4,994	5,196	5,340	5,488	5,609	5,625	5,562	5,390	5,323	5,184	4,936	4,439	3,947
06/12/12	3,726	3,640	3,523	3,494	3,563	3,736	4,045	4,433</																

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
07/01/12	4.363	4.188	4.012	3.949	3.846	3.831	3.871	4.099	4.410	5.081	5.358	5.605	5.775	5.901	6.089	6.065	6.030	5.887	5.849	5.724	5.403	4.995	4.531	
07/02/12	4.539	4.414	4.139	4.089	4.234	4.354	4.688	4.986	5.361	5.914	6.099	6.387	6.531	6.712	6.851	6.854	6.804	6.532	6.362	6.199	5.403	4.995	4.531	
07/03/12	4.708	4.401	4.267	4.232	4.289	4.406	4.617	5.076	5.374	5.953	6.232	6.409	6.542	6.728	6.905	6.904	6.737	6.611	6.413	6.203	5.946	5.452	4.986	
07/04/12	4.898	4.768	4.555	4.528	4.386	4.366	4.436	4.649	5.043	5.495	5.812	6.294	6.644	6.877	7.080	7.069	6.933	6.657	6.559	6.276	6.035	5.740	5.401	
07/05/12	5.153	4.799	4.655	4.622	4.684	4.778	4.944	5.472	5.807	6.087	6.450	6.768	6.948	7.266	7.455	7.436	7.251	7.127	6.901	6.663	6.412	5.908	5.439	
07/06/12	4.911	4.751	4.704	4.666	4.529	4.570	4.964	5.356	5.676	6.194	6.509	6.946	7.113	7.166	7.270	7.160	6.843	6.621	6.437	6.170	5.687	5.376	5.079	
07/07/12	4.744	4.591	4.361	4.299	4.149	4.261	4.344	4.619	5.013	5.402	5.801	5.989	6.307	6.392	6.561	6.721	6.727	6.573	6.316	6.059	5.841	5.454	5.079	
07/08/12	5.087	4.911	4.693	4.642	4.488	4.483	4.517	4.790	5.135	5.587	5.930	6.256	6.728	6.849	7.093	7.006	6.969	6.781	6.781	6.645	6.282	5.834	5.284	
07/09/12	5.268	5.172	4.780	4.731	4.940	5.038	5.350	5.661	6.122	6.498	7.365	7.704	7.709	7.867	7.843	7.843	7.814	7.432	7.284	7.131	6.962	6.418	5.862	
07/10/12	5.806	5.371	5.197	5.150	5.210	5.237	5.287	5.917	6.315	6.648	7.056	7.424	7.600	7.684	7.916	8.127	8.115	7.851	7.473	7.249	7.016	6.522	6.074	
07/11/12	5.654	5.247	5.089	5.052	5.120	5.174	5.265	5.875	6.259	6.984	7.349	7.532	7.629	7.857	8.068	8.042	7.794	7.633	7.402	7.159	6.908	6.400	5.933	
07/12/12	5.085	4.738	4.596	4.562	4.623	4.721	4.895	5.412	5.742	6.017	6.375	6.867	6.987	7.185	7.371	7.355	7.175	7.052	6.829	6.594	6.342	5.839	5.370	
07/13/12	4.766	4.606	4.553	4.460	4.393	4.447	4.839	5.221	5.534	5.774	6.042	6.436	6.774	6.939	6.997	7.093	6.982	6.677	6.462	6.280	6.016	5.540	5.224	
07/14/12	4.642	4.493	4.271	4.208	4.269	4.220	4.261	4.516	4.847	5.269	5.594	5.897	6.277	6.449	6.601	6.610	6.463	6.287	6.208	5.958	5.737	5.353	4.980	
07/15/12	4.802	4.623	4.421	4.361	4.068	4.474	4.258	4.451	4.919	5.302	5.691	6.188	6.277	6.449	6.601	6.610	6.463	6.287	6.208	5.958	5.737	5.353	4.980	
07/16/12	4.651	4.526	4.236	4.185	4.337	4.451	4.782	5.082	5.471	5.727	6.040	6.227	6.524	6.666	6.848	6.989	6.944	6.662	6.487	6.322	6.110	5.889	5.066	
07/17/12	4.911	4.583	4.444	4.408	4.467	4.575	4.767	5.257	5.571	5.843	6.183	6.479	6.659	6.977	7.161	7.153	6.979	6.855	6.640	6.416	6.160	5.662	5.194	
07/18/12	4.655	4.353	4.222	4.186	4.243	4.361	4.576	5.027	5.319	5.574	5.892	6.167	6.342	6.475	6.660	6.834	6.835	6.671	6.543	6.350	6.144	5.888	5.395	
07/19/12	4.716	4.407	4.273	4.239	4.297	4.413	4.623	5.085	5.384	5.637	5.961	6.242	6.419	6.551	6.738	6.911	6.907	6.744	6.619	6.421	6.211	5.956	4.993	
07/20/12	4.677	4.517	4.461	4.371	4.311	4.372	4.761	5.137	5.445	5.683	5.945	6.327	6.437	6.665	6.828	6.888	6.979	6.866	6.669	6.359	5.917	5.446	5.127	
07/21/12	4.594	4.440	4.222	4.159	4.024	4.127	4.212	4.482	4.868	5.247	5.630	5.819	6.122	6.213	6.381	6.535	6.546	6.401	6.228	6.148	5.903	5.679	5.298	
07/22/12	4.044	3.881	3.728	3.670	3.589	3.777	3.617	3.827	4.116	4.446	4.708	4.957	5.178	5.338	5.464	5.636	5.636	5.610	5.487	5.460	5.353	5.050	4.657	
07/23/12	4.413	4.288	4.030	3.982	4.121	4.248	4.585	4.880	5.239	5.484	5.774	5.955	6.232	6.379	6.558	6.696	6.702	6.646	6.384	6.223	6.063	5.840	5.329	
07/24/12	4.184	3.934	3.818	3.786	3.844	3.988	4.246	4.626	4.868	5.080	5.336	5.556	5.713	5.845	6.010	6.174	6.174	6.026	5.904	5.768	5.604	5.353	4.883	
07/25/12	4.169	3.921	3.807	3.774	3.833	3.976	4.235	4.613	4.852	5.062	5.316	5.591	5.822	5.986	6.136	6.150	6.003	5.880	5.748	5.604	5.353	4.883	4.435	
07/26/12	4.295	4.031	3.911	3.879	3.936	4.072	4.319	4.718	4.976	5.194	5.468	5.704	5.867	6.002	6.173	6.328	6.335	6.186	6.061	5.911	5.737	5.485	4.865	
07/27/12	4.449	4.291	4.229	4.146	4.105	4.180	4.563	4.920	5.210	5.437	5.682	6.029	6.145	6.361	6.520	6.585	6.663	6.545	6.265	6.074	5.902	5.645	5.189	
07/28/12	4.204	4.051	3.865	3.804	4.001	4.191	3.879	4.131	4.483	4.821	5.151	5.329	5.585	5.686	5.842	5.983	6.005	5.884	5.731	5.662	5.456	5.224	4.501	
07/29/12	4.585	4.407	4.217	4.155	4.037	4.024	4.065	4.307	4.628	5.029	5.341	5.631	5.892	6.062	6.184	6.383	6.340	6.305	6.118	5.983	5.652	5.234	4.751	
07/30/12	4.918	4.600	4.472	4.418	4.590	4.694	5.019	5.323	5.742	6.009	6.350	6.542	6.864	6.999	7.187	7.331	7.322	7.290	6.978	6.801	6.635	6.439	5.905	
07/31/12	4.991	4.855	4.515	4.479	4.539	4.643	4.827	5.328	5.649	5.926	6.273	6.576	6.756	6.880	7.074	7.261	7.250	7.072	6.948	6.729	6.499	6.244	5.726	
08/01/12	4.850	4.519	4.378	4.340	4.400	4.518	4.729	5.225	5.543	5.820	6.167	6.469	6.655	6.790	6.989	7.176	7.173	6.996	6.863	6.648	6.421	6.153	5.632	
08/02/12	5.059	4.705	4.559	4.523	4.586	4.694	4.886	5.416	5.752	6.034	6.401	6.721	6.909	7.038	7.243	7.434	7.420	7.237	7.109	6.880	6.639	6.374	5.848	
08/03/12	4.893	4.725	4.673	4.573	4.498	4.548	4.959	5.365	5.697	5.950	6.234	6.658	6.767	7.012	7.185	7.244	7.349	7.233	7.098	6.879	6.628	6.208	5.777	
08/04/12	4.474	4.312	4.097	4.032	3.905	4.004	4.094	4.372	4.764	5.146	5.529	5.725	6.025	6.126	6.299	6.454	6.471	6.330	6.154	6.072	5.830	5.591	4.812	
08/05/12	4.849	4.661	4.450	4.387	4.249	4.283	4.549	4.895	5.337	5.678	5.995	6.280	6.459	6.583	6.741	6.806	6.741	6.704	6.536	6.510	6.363	6.004	5.556	
08/06/12	4.965	4.841	4.499	4.443	4.621	4.731	5.071	5.390	5.828	6.107	6.463	6.664	7.000	7.142	7.339	7.489	7.480	7.446	7.121	6.935	6.761	6.555	6.000	
08/07/12	5.158	4.795	4.645	4.609	4.672	4.776	4.957	5.499	5.843	6.139	6.512	7.027	7.153	7.360	7.559	7.545	7.352	7.221	6.986	6.740	6.474	5.949	5.458	
08/08/12	5.213	4.845	4.695	4.657	4.721	4.821	4.994	5.545	5.893	6.192	6.571	7.091	7.214	7.424	7.624	7.609	7.413	7.280	7.043	6.794	6.529	6.003	5.512	
08/09/12	5.056	4.703	4.556	4.520	4.584	4.691	4.883	5.411	5.748	6.031	6.397	6.717	6.905	7.034	7.239	7.430	7.416	7.233	7.105	6.876	6.636	6.371	5.845	
08/10/12	5.940	5.753	5.726	5.566	5.369	5.261	5.624	6.055	6.388	6.624	6.935	7.473	7.502	7.775	7.978	7.968	8.127	7.993	7.526	7.356	7.239	6.955	6.354	
08/11/12	5.513	5.366	5.061	4.998	4.759	4.919	4.982	5.261	5.701	6.139	6.608	6.795	7.200	7.268	7.440	7.673	7.657	7.409	7.168	6.847	6.653	6.223	5.805	
08/12/12	4.821	4.633	4.423	4.360	4.224	4.214	4.257	4.522	4.867	5.306	5.645	5.960	6.244	6.422	6.547	6.768	6.705	6.669	6.501	6.474	6.327	5.971	5.524	
08/13/12	5.194	5.082	4.701	4.646	4.847	4.951	5.285	5.607	6.071	6.359	6.744	6.951	7.313	7.454	7.659	7.817	7.799	7.770	7.407	7.233	7.065	6.875	6.312	
08/14/12	5.175	4.811	4.660	4.623	4.687	4.790	4.969	5.513	5.859	6.156	6.530	6.858	7.047	7.172	7.380	7.579	7.565	7.371	7.239	7.004	6.757	6.491	5.966	
08/15/12	5.153	4.791	4.643	4.605	4.669	4.771	4.956	5.499	5.844	6.133	6.508	6.836	7.021	7.146	7.354	7.552	7.539	7.346	7.215	6.980	6.734	6.469	5.452	
08/16/12	5.156	4.792	4.643	4.608	4.672	4.775	4.956	5.499	5.844	6.133	6.508	6.836	7.024	7.150	7.357	7.552	7.535	7.346	7.217	6.984	6.737	6.474	5.455	
08/17/12	4.888	4.720	4.668	4.568	4.493	4.544	4.955	5.360	5.692	5.945	6.229	6.652	6.761	7.006	7.179	7.238	7.342	7.227	6.902	6.673	6.481	6.203	5.712	
08/18/12	4.546	4.384	4.163	4.097	3.964	4.067	4.156	4.437	4.835	5.223	5.615	5.813												

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
09/01/12	3.740	3.576	3.390	3.327	3.237	3.330	3.431	3.696	4.060	4.400	4.724	4.903	5.152	5.260	5.417	5.564	5.593	5.476	5.328	5.268	5.065	4.811	4.427	4.037
09/02/12	3.923	3.735	3.555	3.488	3.387	3.371	3.414	3.655	3.987	4.375	4.683	4.975	5.233	5.417	5.558	5.757	5.746	5.711	5.563	5.526	5.398	5.054	4.611	4.113
09/03/12	4.147	3.969	3.758	3.708	3.588	3.573	3.629	3.851	4.275	4.757	5.090	5.504	5.762	5.880	6.117	6.335	6.382	6.285	6.028	5.967	5.713	5.419	5.007	4.584
09/04/12	4.107	3.810	3.674	3.636	3.699	3.846	4.115	4.564	4.854	5.109	5.418	5.685	5.869	6.019	6.211	6.389	6.399	6.228	6.086	5.911	5.714	5.431	4.900	4.396
09/05/12	4.398	4.070	3.926	3.886	3.949	4.040	4.323	4.846	5.146	5.496	5.816	6.059	6.252	6.400	6.574	6.794	6.797	6.617	6.474	6.266	6.042	5.759	5.214	4.701
09/06/12	4.849	4.461	4.295	4.247	4.304	4.405	4.594	5.146	5.496	5.786	6.166	6.496	6.685	6.800	7.016	7.209	7.211	7.034	6.917	6.692	6.454	6.193	5.655	5.155
09/07/12	4.299	4.124	4.057	3.962	3.907	3.989	4.414	4.817	5.145	5.400	5.678	6.075	6.202	6.446	6.623	6.694	6.784	6.656	6.340	6.121	5.928	5.641	5.131	4.773
09/08/12	4.308	4.137	3.901	3.832	3.689	3.799	3.993	4.191	4.612	5.025	5.442	5.651	5.978	6.267	6.434	6.448	6.448	6.293	6.104	6.016	5.751	5.501	5.081	4.671
09/09/12	4.500	4.301	4.084	4.017	3.878	3.865	3.912	4.187	4.548	5.005	5.358	5.687	5.982	6.170	6.303	6.331	6.472	6.433	6.260	6.227	6.073	5.700	5.233	4.685
09/10/12	4.808	4.671	4.284	4.214	4.071	4.216	4.444	5.176	5.639	5.927	6.303	6.507	6.861	6.999	7.200	7.350	7.348	7.335	6.998	6.824	6.661	6.470	5.901	5.323
09/11/12	4.562	4.216	4.067	4.027	4.091	4.216	4.444	4.961	5.294	5.583	5.946	6.261	6.456	6.601	6.809	7.006	7.004	6.818	6.678	6.454	6.217	5.934	5.385	4.868
09/12/12	4.560	4.215	4.067	4.027	4.091	4.216	4.444	4.961	5.294	5.583	5.946	6.261	6.456	6.601	6.809	7.006	7.004	6.818	6.678	6.454	6.217	5.934	5.385	4.868
09/13/12	4.319	3.997	3.855	3.818	3.881	4.017	4.267	4.749	5.063	5.329	5.666	5.959	6.150	6.300	6.500	6.685	6.686	6.511	6.371	6.172	5.955	5.673	5.129	4.618
09/14/12	4.304	4.129	4.062	3.967	3.912	3.993	4.419	4.821	5.150	5.406	5.684	6.081	6.208	6.452	6.630	6.701	6.791	6.663	6.347	6.128	5.934	5.647	5.136	4.779
09/15/12	4.207	4.036	3.808	3.739	3.605	3.711	3.805	4.098	4.513	4.916	5.321	5.528	5.844	5.952	6.135	6.298	6.316	6.166	5.981	5.894	5.639	5.386	4.971	4.563
09/16/12	4.343	4.146	3.938	3.869	3.740	3.725	3.771	4.037	4.391	4.813	5.175	5.495	5.782	5.970	6.106	6.324	6.279	6.240	6.073	6.034	5.885	5.520	5.059	4.527
09/17/12	4.282	4.144	3.844	3.790	3.949	4.083	4.453	4.782	5.193	5.469	5.800	6.004	6.319	6.479	6.679	6.833	6.836	6.780	6.481	6.295	6.116	5.873	5.303	4.733
09/18/12	4.321	4.001	3.858	3.818	3.881	4.018	4.268	4.749	5.062	5.335	5.670	5.961	6.153	6.303	6.503	6.692	6.696	6.517	6.375	6.174	5.958	5.674	5.133	4.621
09/19/12	4.380	4.053	3.910	3.870	3.732	4.066	4.310	4.800	5.117	5.394	5.738	6.036	6.228	6.377	6.579	6.769	6.773	6.593	6.450	6.244	6.021	5.738	5.194	4.681
09/20/12	4.325	4.003	3.860	3.823	3.886	4.022	4.271	4.754	5.069	5.335	5.673	5.966	6.157	6.308	6.508	6.693	6.693	6.519	6.379	6.179	5.962	5.680	5.136	4.624
09/21/12	3.858	3.692	3.619	3.542	3.518	3.636	4.052	4.410	4.686	4.903	5.134	5.449	5.572	5.785	5.948	6.018	6.084	5.949	5.675	5.508	5.338	5.067	4.599	4.238
09/22/12	3.846	3.679	3.482	3.417	3.317	3.410	3.508	3.781	4.159	4.517	4.863	5.053	5.321	5.432	5.598	5.750	5.777	5.650	5.490	5.421	5.205	4.949	4.555	4.160
09/23/12	3.463	3.301	3.159	3.108	3.043	3.045	3.098	3.312	3.600	3.903	4.141	4.369	4.568	4.718	4.841	5.006	5.025	5.017	4.928	4.927	4.829	4.518	4.109	3.651
09/24/12	3.441	3.326	3.134	3.110	3.243	3.443	3.847	4.141	4.414	4.613	4.841	4.988	5.211	5.365	5.527	5.657	5.673	5.603	5.404	5.316	5.170	4.917	4.404	3.896
09/25/12	4.087	3.792	3.657	3.619	3.682	3.831	4.101	4.547	4.835	5.094	5.259	5.481	5.692	5.822	6.182	6.360	6.370	6.199	6.058	5.886	5.690	5.408	4.878	4.375
09/26/12	3.774	3.516	3.397	3.363	3.431	3.599	3.901	4.298	4.541	4.754	5.013	5.235	5.395	5.534	5.706	5.861	5.879	5.725	5.599	5.473	5.305	5.033	4.524	4.040
09/27/12	3.494	3.272	3.171	3.150	3.226	3.425	3.765	4.115	4.303	4.456	4.656	4.827	4.954	5.070	5.213	5.338	5.351	5.230	5.150	5.071	4.928	4.672	4.194	3.736
09/28/12	3.847	3.682	3.609	3.532	3.509	3.628	4.044	4.401	4.674	4.890	5.120	5.432	5.554	5.767	5.929	6.064	6.064	5.929	5.657	5.491	5.322	5.051	4.585	4.224
09/29/12	3.306	3.171	3.037	2.995	2.954	3.064	3.196	3.426	3.712	3.946	4.141	4.237	4.378	4.434	4.528	4.636	4.669	4.616	4.567	4.568	4.415	4.193	3.865	3.521
09/30/12	3.042	2.862	2.837	2.818	2.802	2.862	2.964	3.148	3.353	3.524	3.630	3.720	3.798	3.847	3.888	3.981	4.010	4.078	4.143	4.228	4.151	3.905	3.564	3.175
10/01/12	2.944	2.862	2.737	2.737	2.870	3.116	3.542	3.785	3.941	4.046	4.175	4.243	4.372	4.468	4.567	4.651	4.663	4.640	4.565	4.552	4.432	4.213	3.778	3.345
10/02/12	3.135	2.959	2.883	2.874	2.960	3.191	3.564	3.856	3.967	4.059	4.184	4.289	4.370	4.446	4.545	4.637	4.648	4.571	4.539	4.527	4.404	4.176	3.756	3.346
10/03/12	3.195	3.009	2.928	2.914	2.997	3.216	3.575	3.879	4.009	4.119	4.265	4.386	4.478	4.565	4.676	4.776	4.790	4.700	4.667	4.624	4.496	4.263	3.831	3.412
10/04/12	3.261	3.064	2.975	2.960	3.039	3.247	3.595	3.913	4.066	4.187	4.351	4.491	4.596	4.693	4.815	4.922	4.933	4.834	4.783	4.728	4.597	4.359	3.914	3.485
10/05/12	3.294	3.159	3.101	3.053	3.067	3.236	3.651	3.940	4.112	4.240	4.383	4.575	4.796	4.912	5.038	5.150	5.150	5.033	4.917	4.830	4.697	4.471	3.888	3.557
10/06/12	3.181	3.052	2.923	2.883	2.845	2.941	2.992	3.199	3.478	3.772	4.003	4.224	4.418	4.564	4.682	4.843	4.861	4.853	4.766	4.669	4.669	4.531	3.972	3.529
10/07/12	3.347	3.190	3.052	3.002	2.939	2.941	2.992	3.092	3.377	3.800	3.985	4.076	4.208	4.261	4.349	4.453	4.484	4.435	4.391	4.394	4.247	4.034	3.719	3.329
10/08/12	3.387	3.272	3.078	3.050	3.180	3.366	3.752	4.042	4.320	4.523	4.754	4.904	5.130	5.283	5.445	5.576	5.591	5.520	5.315	5.220	5.075	4.829	4.442	3.969
10/09/12	3.678	3.424	3.305	3.273	3.338	3.499	3.787	4.176	4.418	4.630	4.885	5.104	5.304	5.442	5.613	5.768	5.785	5.631	5.505	5.372	5.205	4.939	4.442	3.968
10/10/12	3.707	3.449	3.331	3.297	3.361	3.519	3.803	4.197	4.443	4.658	4.919	5.144	5.304	5.442	5.613	5.768	5.785	5.631	5.505	5.372	5.205	4.939	4.442	3.968
10/11/12	3.707	3.448	3.329	3.297	3.362	3.520	3.805	4.200	4.448	4.657	4.918	5.144	5.305	5.443	5.614	5.766	5.778	5.628	5.504	5.373	5.206	4.941	4.442	3.969
10/12/12	3.791	3.656	3.572	3.502	3.482	3.598	4.008	4.368	4.651	4.875	5.114	5.438	5.566	5.785	5.953	6.029	6.103	5.957	5.670	5.484	5.301	5.021	4.545	4.181
10/13/12	3.379	3.233	3.078	3.026	2.963	3.167	3.576	3.879	4.010	4.119	4.262	4.383	4.476	4.562	4.668	4.792	4.919	4.864	4.762	4.732	4.563	4.329	3.825	3.625
10/14/12	3.223	3.076	2.952	2.909	2.858	2.871	2.930	3.129	3.390	3.653	3.855	4.047	4.215	4.341	4.446	4.591	4.615	4.622	4.565	4.582	4.494	4.207	3.825	3.397
10/15/12	3.155	3.055	2.894	2.879	3.008	3.222	3.625	3.895	4.117	4.280	4.466	4.583	4.768	4.901	5.038	5.150	5.165	5.110	4.957	4.901	4.769	4.531	4.057	3.588
10/16/12	3.193	3.008	2.925	2.912	2.995	3.215	3.576	3.879	4.010	4.119	4.262	4.383	4.476	4.562	4.668	4.792	4.919	4.864	4.762	4.732	4.563	4.329	3.825	3.625
10/17/12	3.171	2.990	2.911	2.899	2.983	3.206	3.570	3.869	3.992	4.094	4.233	4.349	4.436	4.518	4.625	4.721	4.735	4.650	4					

# APS Own Load Hourly mW Forecast

Date	Hour1	Hour2	Hour3	Hour4	Hour5	Hour6	Hour7	Hour8	Hour9	Hour10	Hour11	Hour12	Hour13	Hour14	Hour15	Hour16	Hour17	Hour18	Hour19	Hour20	Hour21	Hour22	Hour23	Hour24
11/01/12	2.799	2.706	2.688	2.719	2.837	3.157	3.623	3.815	3.752	3.674	3.648	3.614	3.582	3.553	3.545	3.547	3.530	3.593	3.793	3.842	3.727	3.571	3.267	2.956
11/02/12	2.811	2.748	2.741	2.751	2.832	3.124	3.608	3.793	3.767	3.706	3.672	3.657	3.599	3.596	3.578	3.554	3.547	3.530	3.579	3.680	3.714	3.619	3.504	3.268
11/03/12	2.721	2.680	2.659	2.683	2.734	2.927	3.170	3.344	3.450	3.445	3.358	3.208	3.095	2.944	2.867	2.826	2.841	2.994	3.254	3.367	3.266	3.176	3.012	2.824
11/04/12	2.739	2.682	2.651	2.671	2.702	2.838	3.011	3.158	3.251	3.269	3.212	3.043	2.946	2.860	2.848	2.858	2.925	3.297	3.478	3.405	3.256	3.032	2.755	
11/05/12	2.772	2.721	2.653	2.674	2.812	3.098	3.544	3.727	3.771	3.769	3.792	3.794	3.803	3.823	3.845	3.848	3.904	3.981	3.941	4.024	3.921	3.753	3.410	3.057
11/06/12	2.872	2.763	2.731	2.759	2.859	3.155	3.781	3.749	3.756	3.752	3.747	3.744	3.744	3.762	3.788	3.781	3.806	3.949	3.980	3.980	3.695	3.370	3.039	
11/07/12	2.886	2.774	2.739	2.758	2.865	3.156	3.589	3.803	3.786	3.760	3.775	3.778	3.777	3.778	3.801	3.829	3.824	3.843	3.976	4.005	3.892	3.720	3.387	3.054
11/08/12	2.885	2.772	2.739	2.759	2.866	3.157	3.591	3.806	3.791	3.759	3.774	3.777	3.776	3.777	3.800	3.825	3.816	3.839	3.975	4.005	3.892	3.720	3.387	3.054
11/09/12	2.934	2.851	2.829	2.822	2.884	3.135	3.588	3.797	3.826	3.834	3.874	3.856	3.856	3.896	3.919	3.916	3.926	3.907	3.928	3.928	3.680	3.140	3.027	
11/10/12	2.895	2.817	2.752	2.749	2.762	2.921	3.097	3.282	3.453	3.541	3.566	3.523	3.514	3.458	3.453	3.479	3.503	3.562	3.682	3.751	3.641	3.498	3.274	3.027
11/11/12	2.777	2.710	2.668	2.681	2.703	2.821	2.976	3.127	3.240	3.287	3.263	3.210	3.164	3.098	3.040	3.050	3.065	3.209	3.356	3.452	3.356	3.113	2.819	
11/12/12	2.873	2.808	2.713	2.723	2.854	3.112	3.536	3.746	3.847	3.901	3.920	3.980	4.005	4.086	4.143	4.260	4.268	4.278	4.271	4.286	4.178	3.986	3.604	3.218
11/13/12	2.957	2.830	2.785	2.795	2.894	3.164	3.575	3.806	3.826	3.834	3.878	3.908	3.931	3.954	3.998	4.044	4.044	4.034	4.123	4.136	4.024	3.836	3.486	3.135
11/14/12	2.887	2.829	2.773	2.796	2.895	3.243	3.694	3.930	3.853	3.853	3.878	3.908	3.931	3.954	3.998	4.044	4.044	4.034	4.123	4.136	4.024	3.836	3.486	3.135
11/15/12	3.004	2.944	2.912	2.968	3.069	3.413	3.925	4.167	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.102	4.102
11/16/12	2.828	2.762	2.753	2.760	2.839	3.124	3.604	3.792	3.775	3.721	3.694	3.687	3.635	3.639	3.627	3.606	3.608	3.625	3.714	3.744	3.648	3.528	3.287	3.038
11/17/12	2.714	2.675	2.655	2.681	2.733	2.928	3.175	3.348	3.451	3.442	3.350	3.212	3.121	3.044	2.946	2.848	2.859	2.968	3.235	3.350	3.162	3.000	2.816	
11/18/12	2.739	2.682	2.651	2.671	2.702	2.838	3.011	3.158	3.250	3.269	3.212	3.044	2.946	2.860	2.848	2.858	2.859	2.968	3.235	3.350	3.162	3.000	2.816	
11/19/12	2.709	2.671	2.625	2.655	2.800	3.108	3.575	3.733	3.728	3.674	3.649	3.577	3.555	3.519	3.500	3.490	3.488	3.590	3.745	3.809	3.708	3.562	3.255	2.932
11/20/12	3.004	2.945	2.911	2.967	3.067	3.412	3.923	4.164	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096
11/21/12	3.004	2.945	2.911	2.967	3.067	3.412	3.923	4.164	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096	4.096
11/22/12	2.928	2.848	2.813	2.836	2.877	3.012	3.188	3.392	3.492	3.464	3.391	3.319	3.222	3.159	3.113	3.175	3.376	3.611	3.684	3.617	3.514	3.276	3.025	2.754
11/23/12	2.935	2.909	2.949	2.964	3.101	3.373	3.767	3.966	4.048	3.902	3.791	3.677	3.541	3.477	3.406	3.373	3.428	3.601	3.921	3.880	3.747	3.687	3.395	3.096
11/24/12	3.041	2.967	2.928	2.978	3.046	3.284	3.672	3.911	3.950	3.877	3.775	3.656	3.585	3.486	3.396	3.396	3.443	3.711	3.965	3.918	3.795	3.713	3.508	3.219
11/25/12	3.188	3.124	3.101	3.144	3.203	3.361	3.531	3.834	3.928	3.891	3.797	3.654	3.531	3.394	3.307	3.253	3.333	3.577	3.876	3.942	3.880	3.769	3.523	3.254
11/26/12	3.217	3.117	3.123	3.139	3.303	3.646	4.203	4.488	4.388	4.218	4.049	3.848	3.723	3.670	3.553	3.589	3.630	3.900	4.279	4.256	4.244	4.099	3.792	3.485
11/27/12	3.373	3.314	3.242	3.278	3.388	3.820	4.324	4.571	4.449	4.203	4.009	3.856	3.695	3.643	3.543	3.530	3.580	3.891	4.265	4.266	4.242	4.137	3.860	3.541
11/28/12	3.373	3.315	3.244	3.278	3.388	3.820	4.324	4.571	4.449	4.203	4.009	3.856	3.695	3.643	3.543	3.530	3.580	3.891	4.265	4.266	4.242	4.137	3.860	3.541
11/29/12	3.254	3.189	3.117	3.148	3.254	3.669	4.164	4.401	4.293	4.067	3.902	3.773	3.633	3.590	3.502	3.489	3.528	3.806	4.153	4.163	4.135	4.025	3.748	3.433
11/30/12	3.101	3.046	3.033	3.072	3.242	3.551	4.119	4.378	4.263	4.091	3.971	3.707	3.654	3.542	3.510	3.545	3.848	4.318	4.344	4.344	4.242	4.137	3.860	3.541
12/01/12	3.356	3.252	3.249	3.280	3.356	3.542	3.838	4.144	4.256	4.216	4.085	3.905	3.771	3.628	3.528	3.473	3.515	3.731	4.061	4.067	3.988	3.871	3.686	3.439
12/02/12	3.357	3.287	3.261	3.310	3.376	3.551	3.788	4.075	4.180	4.138	4.032	3.872	3.735	3.581	3.485	3.424	3.514	3.784	4.117	4.189	4.121	3.998	3.726	3.428
12/03/12	3.322	3.245	3.227	3.322	3.352	3.527	3.938	4.241	4.181	4.181	4.039	3.975	3.840	3.858	3.877	4.132	4.521	4.521	4.521	4.521	4.521	4.521	4.521	4.521
12/04/12	3.547	3.513	3.467	3.536	3.689	4.194	4.781	5.083	4.936	4.658	4.436	4.259	4.073	3.902	3.880	3.880	3.889	4.205	4.594	4.582	4.559	4.404	4.085	3.719
12/05/12	3.526	3.492	3.447	3.514	3.666	4.166	4.751	5.051	4.906	4.631	4.417	4.245	4.061	3.991	3.872	3.844	3.881	4.190	4.573	4.563	4.519	4.385	4.064	3.699
12/06/12	3.654	3.626	3.580	3.657	3.814	4.333	4.932	5.242	5.087	4.780	4.540	4.346	4.141	4.063	3.932	3.897	3.936	4.286	4.700	4.681	4.642	4.515	4.189	3.819
12/07/12	3.720	3.677	3.651	3.716	3.932	4.276	4.918	5.280	5.136	4.863	4.614	4.327	4.146	4.038	3.857	3.818	3.910	4.184	4.566	4.535	4.425	4.401	4.201	3.893
12/08/12	3.840	3.724	3.724	3.758	3.834	4.002	4.581	4.453	4.637	4.737	4.739	4.632	4.519	4.363	4.267	4.271	4.592	4.839	4.784	4.654	4.409	4.107	3.853	
12/09/12	3.551	3.492	3.468	3.535	3.614	3.804	4.061	4.382	4.492	4.440	4.317	4.133	3.981	3.808	3.707	3.635	3.741	4.052	4.406	4.469	4.402	4.270	3.975	3.651
12/10/12	3.377	3.299	3.335	3.382	3.592	3.952	4.645	4.989	4.865	4.665	4.466	4.235	4.085	4.015	3.874	3.896	3.921	4.192	4.591	4.560	4.532	4.358	4.007	3.653
12/11/12	3.593	3.562	3.516	3.588	3.743	4.254	4.846	5.151	5.000	4.712	4.481	4.295	4.101	4.027	3.901	3.871	3.911	4.240	4.639	4.624	4.582	4.450	4.129	3.761
12/12/12	3.413	3.373	3.325	3.385	3.532	4.015	4.588	4.877	4.744	4.497	4.311	4.161	3.998	3.938	3.831	3.806	3.836	4.112	4.467	4.465	4.417	4.277	3.959	3.599
12/13/12	3.484	3.446	3.400	3.467	3.618	4.112	4.693	4.990	4.852	4.581	4.376	4.213	4.038	3.972	3.857	3.827	3.856	4.157	4.533	4.527	4.482	4.347	4.025	3.662
12/14/12	3.382	3.321	3.321	3.378	3.577	3.927	4.576	4.901	4.756	4.536	4.357	4.122	3.993	3.915	3.771	3.727	3.781	3.939	4.284	4.286	4.178	4.127	3.913	3.629
12/15/12	3.341	3.237	3.233	3.263	3.337	3.522	3.815	4.118	4.230	4.194	4.069	3.894	3.762	3.621	3.523	3.469	3.511	3.723	4.049	4.038	3.979	3.861	3.675	3.427
12/16/12	3.240	3.164	3.136	3.176	3.324	3.401	3.623	3.886	3.986	3.957	3.876	3.746	3.631	3.498	3.413	3.358	3.440	3.689	3.995	4.070	3.998	3.881	3.615	3.327
12/17/12	3.057	2.983	2.988	3.022	3.195	3.580	4.156	4.424	4.327	4.212	4.097	3.953	3.868	3.836	3.740	3.745	3.745	3.931	4.253	4.267	4.223	4.055	3.698	3.353
12/18/																								

**APS Metro Phoenix Reliability Must Run Estimates  
2003 - 2012**

	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
<b>Capacity Need (MW)</b>										
Metro Phoenix Peak Demand	4,114	4,269	4,423	4,578	4,732	4,887	5,041	5,196	5,350	5,511
Transmission Import Limit	3,535	3,535	3,535	3,535	3,535	3,535	3,535	3,535	3,535	3,535
RMR Need	579	734	888	1,043	1,197	1,352	1,506	1,661	1,815	1,976
<b>APS Resources</b>										
APS Resources	660	660	660	660	660	660	660	660	660	660
APS Reserves	110	110	110	110	110	110	110	110	110	110
Unmet Need	29	184	338	493	647	802	956	1,111	1,265	1,426
<b>Energy Need (GWH)</b>										
Total Energy	37	92	172	291	445	633	862	1,124	1,366	1,628
APS Supplied	37	90	165	263	373	492	614	727	826	923
Unmet Need	0	2	8	27	72	141	248	398	540	705
<b>RMR Hours</b>										
Total	210	455	640	862	1,099	1,293	1,511	1,723	1,909	2,103
APS Supplied	210	455	640	862	1,099	1,293	1,511	1,723	1,909	2,103
Unmet Need	6	19	57	159	313	510	737	944	1,114	1,282
<b>RMR Capacity Factor</b>										
APS Supplied	0.8%	1.9%	3.4%	5.5%	7.7%	10.2%	12.7%	15.1%	17.1%	19.2%
Unmet Need	0.1%	0.1%	0.3%	0.6%	1.3%	2.0%	3.0%	4.1%	4.9%	5.6%
Total	0.7%	1.4%	2.2%	3.2%	4.2%	5.3%	6.5%	7.7%	8.6%	9.4%

**APS MONTHLY GENERATION BY UNIT  
PHYSICAL CAPABILITY OF UNITS  
2003 - 2012  
(MWH)**

Generating Unit	MW RATING	2003												Tot-2003
		Jan-2003	Feb-2003	Mar-2003	Apr-2003	May-2003	Jun-2003	Jul-2003	Aug-2003	Sep-2003	Oct-2003	Nov-2003	Dec-2003	
Palo Verde 1	362	263,766	237,577	263,679	254,459	262,392	252,961	262,800	263,881	253,505	262,321	252,685	263,004	3,093,029
Palo Verde 2	362	264,741	237,906	263,453	253,369	263,128	252,082	263,598	261,637	220,597	-	-	172,692	2,453,203
Palo Verde 3	363	264,718	238,638	237,687	-	228,848	256,824	263,422	262,248	254,687	263,520	254,042	172,692	2,787,263
TOTAL NUCLEAR	1,086	793,225	714,121	764,820	507,828	754,464	761,868	789,820	787,767	728,789	525,841	506,726	698,227	8,333,495
Four Corners 1	170	109,265	100,966	101,801	112,557	108,609	109,595	117,101	116,725	111,869	112,071	107,465	106,630	1,314,654
Four Corners 2	170	106,736	100,061	102,668	110,677	108,446	107,801	115,861	114,280	109,154	110,253	106,820	105,105	1,297,861
Four Corners 3	220	128,641	120,842	92,540	-	89,251	132,507	144,324	144,558	136,356	135,986	128,525	127,369	1,381,300
Four Corners 4	111	75,923	33,535	72,629	71,856	73,837	72,433	73,213	74,997	71,549	73,848	71,549	73,391	836,594
Four Corners 5	111	76,974	67,414	72,747	72,956	74,312	71,143	75,179	75,681	71,965	73,947	67,961	44,539	844,967
TOTAL PLANT	782	497,540	422,819	442,385	388,047	454,455	493,478	525,678	526,390	500,728	506,105	482,719	457,377	5,677,377
Cholla 1	110	69,280	66,290	65,843	73,782	71,933	71,489	76,601	76,155	72,705	72,811	69,852	70,398	857,139
Cholla 2	245	147,683	140,143	136,748	160,206	155,115	155,729	172,412	171,310	157,128	154,702	149,342	150,363	1,850,882
Cholla 3	260	146,861	75,114	41,894	165,261	157,925	159,525	179,668	181,835	163,025	158,669	150,219	132,671	1,732,661
TOTAL PLANT	615	363,825	281,547	244,485	399,249	384,968	386,743	428,681	429,301	382,858	386,182	367,413	373,432	4,440,682
Navajo 1	105	41,599	2,380	74,988	71,685	74,018	72,228	73,744	74,297	72,356	74,257	71,495	73,599	776,644
Navajo 2	105	75,407	66,536	73,787	71,468	72,700	70,706	73,593	74,155	70,566	74,251	71,102	72,150	866,421
Navajo 3	105	75,027	67,204	17,002	-	65,186	72,222	74,050	73,639	71,723	74,840	71,683	74,540	737,115
TOTAL PLANT	315	192,032	136,119	165,777	143,153	211,904	215,156	221,386	222,090	214,645	223,348	214,280	220,289	2,380,180
TOTAL COAL	1,712	1,053,397	840,484	852,647	910,449	1,051,328	1,095,377	1,175,745	1,177,781	1,108,231	1,115,634	1,066,411	1,050,755	12,498,238
West Phoenix CC1	85	29,136	32,565	16,188	41,180	35,348	36,275	51,597	52,697	38,530	36,716	32,705	36,157	439,094
West Phoenix CC2	85	28,813	32,642	19,715	41,251	35,548	35,723	52,286	52,564	39,336	3,409	17,923	36,022	394,233
West Phoenix CC3	85	40,204	40,571	29,212	8,064	42,865	43,048	53,139	54,247	46,003	45,733	41,817	45,297	490,200
TOTAL CCS	255	98,153	105,778	65,115	90,496	113,761	115,047	156,022	159,507	123,869	85,857	92,446	117,475	1,323,526
Ocotillo ST1	110	24,624	23,709	3,088	39,150	32,232	36,854	58,362	62,242	42,273	36,291	22,711	30,327	411,864
Ocotillo ST2	110	21,484	21,094	8,664	38,297	30,378	35,034	59,084	63,587	41,397	34,985	17,569	27,257	398,829
Saguaro ST1	110	6,311	250	1,601	12,850	11,454	14,121	26,433	29,882	18,044	14,201	4,443	10,174	149,763
Saguaro ST2	100	3,961	5,412	662	9,441	9,897	12,150	23,014	26,115	15,702	11,333	807	7,904	126,397
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	56,380	50,465	14,016	99,737	83,960	98,159	166,892	181,826	117,417	96,811	45,530	75,661	1,086,854
Ocotillo CT1	55	4,628	5,314	1,277	5,755	7,973	11,502	18,984	20,526	13,239	9,666	3,493	7,204	109,561
Ocotillo CT2	55	3,315	5,044	1,098	7,343	7,262	10,393	18,099	19,786	13,020	8,740	2,892	6,903	103,896
Saguaro CT1	55	3,476	4,240	9	5,101	6,308	9,556	16,993	18,492	11,941	7,661	1,720	5,630	91,126
Saguaro CT2	55	3,168	3,993	819	5,195	5,816	8,931	16,277	18,430	10,958	6,828	1,768	5,541	87,725
West Phoenix CT1	55	2,348	1,454	616	4,056	4,362	7,908	14,690	16,475	9,518	5,763	764	4,503	72,458
West Phoenix CT2	55	2,272	3,131	446	3,669	4,576	8,147	15,055	17,243	10,058	6,039	969	4,657	76,262
Yucca CT1	19	1,498	2,107	134	1,100	1,541	2,941	5,166	6,173	3,290	2,052	1,226	3,086	30,314
Yucca CT2	19	1,663	2,005	168	1,175	1,583	2,842	5,389	5,958	3,305	1,937	1,356	3,025	30,407
Yucca CT3	55	6,220	6,780	1,822	9,881	9,534	12,639	20,629	22,423	15,303	11,719	5,429	8,831	131,210
Yucca CT4	54	272	421	40	247	629	752	1,390	1,662	866	540	117	841	7,778
DeWitts CT	16	79	150	7	77	24	261	526	614	306	169	27	267	2,506
TOTAL CTS	493	28,939	34,639	6,438	43,599	49,608	75,874	133,197	147,781	91,805	61,114	19,761	50,489	743,245
TOTAL APS GAS/OIL	1,274	183,473	190,882	85,568	233,833	247,329	289,079	456,111	489,115	333,091	243,782	157,737	243,631	3,153,630
Childs/Irving	4	2,594	2,349	2,594	2,502	2,594	2,502	2,594	2,594	2,502	2,594	2,502	2,594	30,515
TOTAL APS GENERATION	4,076	2,032,688	1,747,836	1,705,629	1,654,612	2,055,715	2,148,826	2,424,270	2,457,257	2,172,613	1,887,850	1,733,377	1,995,207	24,015,879
SRP T&C Firm Purch	288	79,369	87,290	66,148	139,550	125,670	138,646	181,828	187,285	149,993	136,948	103,093	93,840	1,489,661
SRP Contingent Purch	62	870	-	894	7,349	9,697	10,572	12,954	13,505	10,803	10,240	9,028	7,434	93,146
Pac Exchange	480	(142,848)	(69,120)	-	-	78,336	136,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Hedged Forward Purch	125	-	-	-	-	-	-	72,071	74,753	68,207	-	-	-	215,031
TOTAL APS PURCH CONTF	955	(62,609)	18,170	67,042	146,899	213,703	287,458	409,701	418,192	298,123	68,852	(26,120)	(41,574)	1,797,838

APS MONTHLY GENERATION BY UNIT  
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 (MWH)

Generating Unit	MW RATING	2003												Tot-2004	
		Jan-2004	Feb-2004	Mar-2004	Apr-2004	May-2004	Jun-2004	Jul-2004	Aug-2004	Sep-2004	Oct-2004	Nov-2004	Dec-2004		
Palo Verde 1	362	261,675	245,524	263,571	16,442	186,803	253,001	261,910	261,465	253,639	262,959	254,222	266,392	266,392	2,787,604
Palo Verde 2	362	281,665	265,325	281,336	270,758	283,277	273,118	280,883	281,521	270,906	280,774	274,217	279,787	279,787	3,323,579
Palo Verde 3	363	263,830	244,178	262,783	254,787	264,116	254,165	262,212	263,318	253,371	8,700	194,093	264,046	264,046	2,789,599
TOTAL NUCLEAR	1,086	807,170	755,027	807,690	541,987	734,196	780,284	805,015	806,359	777,863	552,433	722,532	810,225	810,225	8,900,782
Four Corners 1	170	109,331	106,622	103,116	110,215	112,316	108,987	112,552	115,982	110,148	113,505	99,145	109,495	109,495	1,311,415
Four Corners 2	170	112,102	107,706	88,835	-	111,271	114,676	114,872	116,912	111,769	117,660	102,020	109,676	109,676	1,172,302
Four Corners 3	220	134,342	126,191	122,241	133,187	139,380	134,447	144,842	144,966	135,828	137,895	121,521	131,673	131,673	1,606,512
Four Corners 4	111	4,929	-	44,726	71,355	72,602	74,021	73,839	72,032	72,032	73,893	70,336	73,894	73,894	705,556
Four Corners 5	111	73,182	70,293	75,085	71,537	75,421	71,676	74,722	73,231	72,901	75,698	69,638	75,087	75,087	878,470
TOTAL PLANT	782	433,886	410,812	434,003	386,233	481,393	498,982	522,900	525,020	502,620	515,802	462,660	499,825	499,825	5,674,255
Cholla 1	110	73,997	30,958	56,045	73,116	74,673	73,230	77,572	77,263	73,242	74,660	65,420	71,953	71,953	822,150
Cholla 2	245	155,127	146,549	139,758	152,197	159,020	157,320	169,989	170,631	158,007	156,903	136,561	152,154	152,154	1,854,215
Cholla 3	260	158,559	151,743	137,803	161,954	163,865	165,511	183,412	182,605	166,694	164,482	137,536	154,821	154,821	1,928,986
TOTAL PLANT	615	387,684	329,250	333,605	387,267	397,558	396,061	430,973	430,519	397,943	396,045	339,517	378,928	378,928	4,605,351
Navajo 1	105	74,566	69,282	74,223	72,057	74,229	71,388	74,229	74,175	71,774	74,700	71,774	74,044	74,044	876,438
Navajo 2	105	70,811	-	7,023	71,900	73,346	71,388	72,992	72,644	70,410	74,615	71,484	73,154	73,154	729,776
Navajo 3	105	74,184	69,500	73,713	71,602	74,592	72,260	74,203	74,134	71,477	74,188	71,947	74,194	74,194	875,994
TOTAL PLANT	315	219,561	138,782	154,958	215,559	222,166	215,046	221,400	220,953	213,594	223,582	215,205	221,392	221,392	2,482,208
TOTAL COAL	1,712	1,041,130	878,844	922,567	989,119	1,101,117	1,110,089	1,175,273	1,176,492	1,114,216	1,135,440	1,017,382	1,100,145	1,100,145	12,761,813
West Phoenix CC1	85	37,940	34,376	13,967	9,372	38,714	39,998	53,349	53,365	42,836	40,098	26,605	35,067	35,067	425,687
West Phoenix CC2	85	29,844	33,960	16,785	36,699	40,205	40,205	53,156	54,541	41,765	40,025	27,532	34,728	34,728	448,179
West Phoenix CC3	85	45,862	31,666	27,207	47,055	47,062	46,415	53,787	54,348	48,457	46,570	36,951	44,071	44,071	529,452
TOTAL CCS	255	113,646	100,022	57,959	93,125	124,686	126,618	160,291	162,254	133,058	126,692	91,089	113,867	113,867	1,403,317
Ocotillo ST1	110	32,873	26,957	6,473	33,596	39,216	44,031	65,886	67,358	49,068	42,624	21,616	29,576	29,576	459,274
Ocotillo ST2	110	30,765	24,828	3,971	32,183	38,040	43,058	66,047	68,917	49,190	40,845	5,664	28,495	28,495	432,004
Saguaro ST1	110	9,840	1,748	609	11,502	16,115	18,491	31,757	33,668	23,028	18,211	6,062	9,572	9,572	180,602
Saguaro ST2	100	9,204	6,290	267	8,566	14,522	16,560	29,054	30,893	21,523	15,922	3,683	1,073	1,073	157,556
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	82,681	59,823	11,320	85,847	107,893	122,140	192,743	200,835	142,809	117,602	37,026	68,715	68,715	1,229,436
Ocotillo CT1	55	8,876	5,152	221	6,365	10,931	13,942	22,283	23,217	16,729	13,481	3,334	7,131	7,131	131,662
Ocotillo CT2	55	382	3,614	756	5,523	10,561	13,509	22,644	23,176	16,117	12,570	3,338	7,059	7,059	119,250
Saguaro CT1	55	7,605	4,574	514	4,681	9,633	12,439	21,134	21,463	14,875	9,295	1,979	5,779	5,779	113,973
Saguaro CT2	55	7,423	4,690	255	4,94	8,437	12,262	20,525	21,530	14,978	10,672	2,072	5,261	5,261	108,599
West Phoenix CT1	55	3,302	3,679	259	3,828	7,046	11,431	19,112	20,605	13,708	9,275	1,086	3,967	3,967	97,296
West Phoenix CT2	55	6,050	1,967	238	3,646	7,574	11,503	19,222	20,375	14,113	9,837	1,086	4,290	4,290	89,903
Yucca CT1	19	3,127	2,297	62	1,136	2,569	4,188	7,384	7,599	5,063	3,279	1,230	2,846	2,846	40,779
Yucca CT2	19	3,283	1,770	70	1,179	2,490	4,010	7,303	7,745	4,887	3,119	1,419	2,972	2,972	40,247
Yucca CT3	55	10,488	7,042	1,251	8,090	9,953	16,122	24,892	25,741	18,224	14,288	5,055	9,249	9,249	150,396
Yucca CT4	54	927	561	21	284	717	1,103	1,906	2,152	1,336	736	101	634	634	10,477
Douglas CT	16	316	214	3	95	396	748	492	816	492	274	26	223	223	3,802
TOTAL CTS	493	51,780	35,560	3,650	35,322	70,109	100,905	167,154	174,420	120,521	86,926	20,722	49,412	49,412	916,382
TOTAL APS GAS/OIL	1,274	248,107	195,406	72,930	214,294	302,698	349,662	520,188	537,510	396,388	331,121	148,837	231,994	231,994	3,549,135
Childs/Iving	4	2,594	2,349	2,594	2,502	2,594	2,502	2,594	2,594	2,502	2,594	2,502	2,594	2,594	30,516
TOTAL APS GENERATION	4,076	2,099,002	1,831,626	1,805,781	1,747,902	2,140,605	2,242,537	2,503,070	2,522,955	2,290,969	2,021,588	1,891,252	2,144,958	2,144,958	25,242,246
SRP T&C Firm Purch	288	101,586	94,276	55,300	132,137	141,772	154,655	204,576	210,150	166,593	138,015	79,467	97,158	97,158	1,575,866
SRP Contingent Purch	62	1,883	1,561	842	6,502	10,486	11,317	14,107	14,507	11,525	9,924	6,368	7,270	7,270	96,304
Pac Exchange	480	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	(142,848)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONTF	955	(39,379)	26,718	56,142	138,639	230,604	304,412	361,532	367,506	247,238	69,603	(52,405)	(38,419)	(38,419)	1,672,190

APS MONTHLY GENERATION BY UNIT  
 PHYSICAL CAPABILITY OF UNITS  
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 (MWH)

Generating Unit	2003 MW RATING	2003												Tot-2005			
		Jan-2005	Feb-2005	Mar-2005	Apr-2005	May-2005	Jun-2005	Jul-2005	Aug-2005	Sep-2005	Oct-2005	Nov-2005	Dec-2005				
Palo Verde 1	362	258,518	236,700	262,858	253,042	263,868	252,524	262,094	263,108	252,266	272,909	282,026	263,845	253,485	261,561	678,614	2,440,041
Palo Verde 2	362	281,731	254,422	281,141	9,310	208,990	272,335	281,807	281,140	272,909	272,909	282,026	263,845	253,485	261,561	678,614	2,980,384
Palo Verde 3	363	262,321	236,618	264,811	254,954	260,500	254,322	262,139	263,770	254,066	272,909	282,026	263,845	253,485	261,561	678,614	3,092,399
TOTAL NUCLEAR	1,086	802,569	727,740	808,810	517,305	733,367	779,181	806,040	808,018	779,241	779,241	545,871	545,871	526,068	526,068	678,614	8,512,824
Four Corners 1	170	114,256	67,749	-	102,941	117,745	114,080	117,089	118,377	113,081	113,081	116,533	116,533	114,431	114,431	114,431	1,211,119
Four Corners 2	170	116,984	104,621	110,486	114,412	116,303	113,675	116,897	118,031	111,959	111,959	116,571	116,571	115,180	114,404	114,404	1,369,622
Four Corners 3	220	137,368	127,859	128,946	138,735	143,982	137,607	143,658	142,524	138,954	138,954	139,353	139,353	136,524	139,353	139,353	1,653,177
Four Corners 4	111	74,109	66,271	74,678	71,345	74,011	71,595	74,929	73,548	71,540	71,540	73,763	73,763	74,056	74,102	74,102	848,046
Four Corners 5	111	74,677	66,200	75,533	28,838	75,251	71,606	75,249	74,272	71,502	71,502	74,009	74,009	73,446	75,353	75,353	835,935
TOTAL PLANT	782	517,393	432,500	389,643	456,270	525,282	508,663	527,822	526,777	507,046	507,046	520,807	520,807	488,044	517,643	517,643	5,917,899
Cholla 1	110	72,445	67,459	66,983	74,330	75,342	72,837	76,856	77,623	73,230	73,230	74,208	74,208	71,092	73,359	73,359	875,764
Cholla 2	245	155,107	144,904	144,399	15,500	84,783	158,898	171,461	171,165	159,761	159,761	161,429	161,429	153,946	160,912	160,912	1,682,264
Cholla 3	260	162,101	148,699	145,399	172,372	170,899	166,605	180,572	181,901	167,060	167,060	160,789	160,789	166,666	166,666	166,666	1,987,780
TOTAL PLANT	615	389,654	361,062	356,781	262,201	331,024	398,340	428,889	430,689	400,060	400,060	400,257	400,257	385,746	397,937	397,937	4,545,808
Navejo 1	105	16,131	-	60,092	71,808	74,016	72,021	74,305	74,099	71,057	71,057	74,547	74,547	71,525	74,481	74,481	734,082
Navejo 2	105	73,701	66,493	72,615	70,217	73,933	71,173	73,429	74,074	69,940	69,940	72,858	72,858	71,485	74,330	74,330	864,289
Navejo 3	105	74,914	66,917	73,908	74,161	72,225	74,319	74,526	74,319	71,842	71,842	73,768	73,768	71,786	74,244	74,244	873,998
TOTAL PLANT	315	164,747	133,410	206,615	213,413	222,110	215,419	222,053	222,639	212,839	212,839	221,173	221,173	214,807	223,055	223,055	2,472,339
TOTAL COAL	1,712	1,071,794	926,972	953,039	931,884	1,078,425	1,122,422	1,178,764	1,180,166	1,119,944	1,119,944	1,142,405	1,142,405	1,088,596	1,141,635	1,141,635	12,936,046
West Phoenix CC1	85	31,456	39,464	24,215	47,471	45,594	42,814	54,415	54,337	45,316	45,316	45,066	45,066	43,749	46,482	46,482	520,378
West Phoenix CC2	85	42,605	39,434	24,092	47,430	45,812	42,621	54,416	54,117	45,072	45,072	9,750	9,750	47,133	49,027	49,027	490,275
West Phoenix CC3	85	23,741	-	-	38,315	51,865	47,490	54,655	55,152	50,156	50,156	51,569	51,569	49,088	52,279	52,279	474,312
TOTAL CCS	255	97,802	78,898	48,308	133,217	143,270	132,925	163,486	164,306	140,545	140,545	106,385	106,385	129,929	145,894	145,894	1,484,965
Ocotillo ST1	110	40,488	33,375	-	11,549	47,826	49,441	68,153	70,097	54,033	54,033	49,356	49,356	40,014	42,625	42,625	506,957
Ocotillo ST2	110	40,786	34,795	18,420	49,552	46,832	49,093	70,002	71,407	53,093	53,093	50,723	50,723	40,507	43,083	43,083	568,292
Saguaro ST1	110	16,383	8,622	1,291	22,227	21,225	21,428	34,743	35,646	26,103	26,103	23,348	23,348	14,697	18,421	18,421	244,134
Saguaro ST2	100	13,665	10,686	4,130	20,785	18,542	19,343	31,804	32,488	23,770	23,770	17,116	17,116	5,685	16,263	16,263	214,277
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	111,322	87,478	23,841	104,113	134,426	139,306	204,701	209,637	156,998	156,998	140,543	140,543	100,903	120,392	120,392	1,533,659
Ocotillo CT1	55	10,863	5,090	2,226	13,437	14,806	15,071	23,749	25,183	18,184	18,184	16,435	16,435	10,389	11,194	11,194	166,629
Ocotillo CT2	55	10,617	8,486	1,882	12,067	9,805	14,918	23,854	25,103	18,216	18,216	15,660	15,660	9,901	10,622	10,622	161,131
Saguaro CT1	55	9,385	6,658	1,204	-	12,021	13,913	22,741	23,750	16,971	16,971	14,269	14,269	8,550	9,103	9,103	138,565
Saguaro CT2	55	9,119	4,869	1,168	11,250	12,089	13,399	22,386	23,386	16,673	16,673	14,118	14,118	7,909	8,838	8,838	145,206
West Phoenix CT1	55	6,326	5,219	835	9,962	10,580	12,175	21,364	22,370	15,486	15,486	12,542	12,542	5,871	7,389	7,389	128,119
West Phoenix CT2	55	7,669	5,707	685	7,495	10,887	12,697	21,460	22,319	15,525	15,525	13,425	13,425	6,441	7,389	7,389	129,644
Yucca CT1	19	4,697	3,395	184	3,052	3,742	4,702	8,104	8,599	5,833	5,833	5,001	5,001	4,337	4,500	4,500	56,147
Yucca CT2	19	4,540	3,584	257	3,256	3,625	4,796	7,966	8,493	5,836	5,836	4,922	4,922	4,521	4,566	4,566	56,162
Yucca CT3	55	13,159	10,451	2,781	15,474	16,240	17,504	27,093	27,595	20,131	20,131	17,851	17,851	12,603	13,758	13,758	194,639
Yucca CT4	54	1,164	901	54	764	908	1,215	2,181	2,269	1,586	1,586	885	885	1,401	1,401	1,401	14,143
Douglas CT	16	423	345	10	246	316	458	857	883	592	592	462	462	557	557	557	5,436
TOTAL CTS	493	77,963	54,705	11,285	77,002	95,021	110,847	181,754	189,951	135,034	135,034	113,570	113,570	71,624	77,263	77,263	1,195,818
TOTAL APS GAS/OIL	1,274	287,067	221,081	83,434	314,332	372,717	382,878	549,995	563,894	432,577	432,577	360,499	360,499	302,456	343,549	343,549	4,214,497
Childs/living	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	2,161,449	1,875,792	1,845,282	1,763,521	2,184,509	2,284,481	2,534,799	2,552,077	2,331,762	2,331,762	2,048,775	2,048,775	1,917,120	2,163,799	2,163,799	25,663,367
SRP T&C Firm Purch	288	120,940	118,877	94,003	168,311	165,386	169,603	220,010	225,264	177,777	177,777	159,550	159,550	123,890	132,789	132,789	1,876,401
SRP Contingent Purch	62	1,044	-	1,015	12,026	11,768	11,918	14,659	14,964	11,967	11,967	10,910	10,910	9,336	9,840	9,840	109,246
Pac Exchange	480	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	69,120	(78,336)	(78,336)	(138,240)	(142,848)	(142,848)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONTF	955	(20,865)	49,757	95,018	180,337	255,490	319,762	377,517	383,076	258,865	258,865	92,123	92,123	(5,014)	(418)	(418)	1,985,647

APS MONTHLY GENERATION BY UNIT  
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Generating Unit	2003	Jan-2006	Feb-2006	Mar-2006	Apr-2006	May-2006	Jun-2006	Jul-2006	Aug-2006	Sep-2006	Oct-2006	Nov-2006	Dec-2006	Tot-2006
Palo Verde 1	362	281,129	256,934	279,033	274,002	280,207	272,788	278,894	282,009	273,828	282,229	271,508	281,767	3,314,329
Palo Verde 2	362	281,293	254,672	281,711	269,419	284,378	272,000	281,912	281,413	264,256	280,714	226,185	280,714	2,977,954
Palo Verde 3	363	264,128	237,569	262,553	-	203,285	266,524	260,738	262,579	254,804	262,643	254,136	263,243	2,782,203
TOTAL NUCLEAR	1,086	826,950	749,176	823,297	543,421	767,870	801,313	821,544	826,001	792,888	544,871	751,829	825,724	9,074,486
Four Corners 1	170	117,561	105,510	111,287	112,917	117,042	114,266	117,937	117,823	114,220	115,777	80,032	116,513	1,340,886
Four Corners 2	170	113,925	103,895	110,302	112,243	114,218	112,216	116,790	115,009	112,155	115,316	103,814	115,134	1,348,015
Four Corners 3	220	27,241	-	115,249	139,563	143,816	140,371	146,736	147,562	142,048	144,791	131,189	141,309	1,419,874
Four Corners 4	111	75,181	68,119	71,917	75,616	75,616	74,517	75,668	72,792	75,003	75,003	75,503	75,174	886,572
Four Corners 5	111	73,400	68,306	73,795	71,494	75,070	72,705	74,233	75,368	65,082	71,668	59,280	75,614	856,015
TOTAL PLANT	782	407,308	345,830	466,574	508,133	525,762	512,489	530,213	531,430	512,882	516,168	450,818	523,743	5,851,362
Cholla 1	110	73,976	66,015	67,837	73,190	74,014	73,343	76,432	76,489	73,163	75,159	67,270	72,436	869,325
Cholla 2	245	162,364	145,441	147,432	160,728	162,036	162,326	172,513	171,195	163,963	164,632	147,175	158,300	1,918,108
Cholla 3	260	167,412	151,614	113,747	87,253	168,345	171,897	184,433	179,640	171,840	171,473	149,941	163,557	1,881,212
TOTAL PLANT	615	403,752	363,070	329,016	321,172	404,395	407,567	433,438	427,325	408,967	411,265	394,293	394,293	4,668,645
Navajo 1	105	74,649	66,922	74,040	71,379	74,296	71,680	74,096	74,721	72,073	73,160	72,322	73,910	873,249
Navajo 2	105	73,336	66,190	73,241	70,463	72,962	72,173	73,410	73,438	71,272	73,242	69,708	74,173	863,608
Navajo 3	105	74,285	67,515	7,062	64,866	73,790	71,696	74,192	74,286	71,890	74,478	71,877	73,606	799,543
TOTAL PLANT	315	222,271	200,627	154,343	206,708	221,048	215,549	221,699	222,444	215,235	220,880	213,907	221,689	2,536,400
TOTAL COAL	1,712	1,033,331	909,527	969,933	1,036,013	1,151,205	1,135,614	1,185,349	1,181,199	1,137,084	1,148,313	1,029,111	1,139,726	13,056,407
West Phoenix CC1	85	2,238	-	5,012	43,830	43,005	45,284	55,094	55,016	47,174	46,892	35,927	43,052	422,523
West Phoenix CC2	85	48,561	42,541	26,824	32,890	43,331	44,843	55,370	54,768	47,125	46,678	36,468	42,943	522,341
West Phoenix CC3	85	55,287	49,969	40,008	38,745	49,142	49,211	54,534	55,160	50,062	52,926	44,014	49,853	588,910
TOTAL CCS	255	106,086	92,510	71,844	115,465	135,478	139,338	164,998	164,943	144,360	146,495	116,408	135,849	1,533,775
Ocotillo ST1	110	47,725	38,983	20,115	42,863	46,052	52,649	70,505	71,558	57,047	52,194	31,605	38,868	570,164
Ocotillo ST2	110	47,606	38,205	16,037	42,624	44,598	52,223	72,011	73,700	56,934	45,962	10,904	39,647	540,452
Saguaro ST1	110	21,756	15,851	1,943	15,857	19,542	23,639	36,278	37,252	28,375	25,413	11,491	15,894	253,290
Saguaro ST2	100	19,195	14,630	2,439	13,528	17,755	21,389	34,055	34,792	25,333	23,690	4,984	12,374	224,162
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	136,281	107,668	40,534	114,871	127,946	149,900	212,850	217,303	167,689	147,259	58,985	106,782	1,588,067
Ocotillo CT1	55	13,514	8,837	2,674	7,491	14,011	17,033	25,229	26,147	19,344	17,697	8,021	10,281	170,277
Ocotillo CT2	55	13,843	9,665	2,070	9,481	12,800	16,440	24,991	26,275	18,693	17,915	7,665	10,097	169,934
Saguaro CT1	55	11,998	7,494	1,450	8,145	12,024	15,081	23,755	25,023	17,751	16,531	6,034	8,958	154,244
Saguaro CT2	55	7,656	552	1,162	7,033	11,918	15,292	23,519	24,398	17,459	15,874	6,285	8,686	139,833
West Phoenix CT1	55	10,320	6,742	814	5,170	10,504	14,039	22,131	23,782	16,339	14,567	4,139	5,379	133,926
West Phoenix CT2	55	10,269	6,464	763	5,044	11,021	14,613	22,515	23,670	16,670	14,651	4,323	7,623	137,628
Yucca CT1	19	6,042	3,950	225	1,501	3,765	5,299	8,426	9,151	6,285	5,269	3,034	3,953	56,900
Yucca CT2	19	6,277	4,011	233	1,589	3,517	5,235	8,319	9,117	6,235	5,244	3,310	4,220	57,306
Yucca CT3	55	17,382	12,499	3,605	12,850	15,695	18,963	28,609	29,382	20,998	19,367	9,775	12,777	201,901
Yucca CT4	54	1,818	1,282	49	372	912	1,415	2,362	2,534	1,669	1,241	575	1,163	15,391
Douglas CT	16	727	480	13	118	312	522	917	962	654	475	204	431	5,824
TOTAL CTS	493	99,846	61,985	13,057	58,793	96,480	123,931	190,773	200,440	142,096	128,832	53,363	73,567	1,243,163
TOTAL APS GAS/OIL	1,274	342,213	262,164	125,435	289,129	359,905	413,169	568,735	582,696	454,145	422,585	228,756	316,198	4,365,129
Childs/living	4	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	2,202,094	1,920,867	1,918,664	1,868,563	2,278,980	2,350,096	2,575,628	2,569,897	2,384,118	2,115,769	2,009,696	2,281,648	26,496,022
SRP T&C Firm Purch	288	145,697	134,250	95,486	157,723	163,020	182,365	231,177	236,199	186,615	169,574	110,976	123,109	1,936,193
SRP Contingent Purch	62	1,088	-	1,078	11,394	11,426	12,397	14,911	15,190	12,205	11,313	8,057	8,856	107,916
Pac Exchange	480	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONT	955	3,938	65,130	96,564	169,117	252,782	333,001	388,936	394,238	267,941	102,552	(19,207)	(10,882)	2,044,109

APS MONTHLY GENERATION BY UNIT  
PHYSICAL CAPABILITY OF UNITS  
2003 - 2012  
(MWH)

Generating Unit	MW RATING	2003	Jan-2007	Feb-2007	Mar-2007	Apr-2007	May-2007	Jun-2007	Jul-2007	Aug-2007	Sep-2007	Oct-2007	Nov-2007	Dec-2007	Tot-2007
Palo Verde 1	362	281,254	253,574	271,611	272,827	276,469	277,525	271,559	282,172	281,989	271,273	282,172	272,788	280,774	2,874,442
Palo Verde 2	362	281,367	255,848	279,091	273,773	282,967	271,128	282,548	281,977	280,977	271,273	281,397	275,945	280,241	3,316,555
Palo Verde 3	363	262,996	239,059	260,553	254,458	263,489	265,353	259,807	265,044	259,807	237,056	263,569	275,644	154,629	2,451,453
TOTAL NUCLEAR	1,086	825,616	748,481	811,256	528,230	773,992	797,999	826,369	826,369	822,672	779,888	826,369	548,733	715,644	8,742,449
Four Corners 1	170	116,321	105,963	116,027	113,136	115,322	112,090	116,968	116,968	117,292	112,929	116,548	112,675	114,405	1,369,674
Four Corners 2	170	117,546	34,109	56,154	113,270	117,275	112,829	117,227	118,557	118,557	114,464	116,523	115,861	116,004	1,247,718
Four Corners 3	220	146,168	134,702	145,110	144,682	148,726	143,819	147,634	147,365	147,365	144,716	150,073	145,098	108,292	1,706,384
Four Corners 4	111	75,453	66,913	75,571	65,885	72,846	72,634	75,411	74,856	74,856	72,538	72,634	72,634	75,411	842,515
Four Corners 5	111	74,761	66,978	75,329	71,350	74,300	71,778	76,193	74,871	74,871	71,161	75,263	71,659	74,228	877,873
TOTAL PLANT	782	530,248	409,365	468,190	508,323	494,047	513,163	533,567	533,567	533,040	515,807	534,145	515,927	488,339	6,044,163
Cholla 1	110	72,512	66,841	38,279	7,389	76,005	74,086	77,071	77,071	77,186	74,410	75,337	72,379	73,735	785,230
Cholla 2	245	157,635	143,815	152,778	162,880	161,674	171,156	170,991	163,449	170,991	161,099	163,449	155,958	159,094	1,924,875
Cholla 3	260	164,990	152,851	158,226	172,501	175,680	171,919	184,021	185,334	185,334	173,907	171,951	165,252	168,543	2,045,174
TOTAL PLANT	615	395,138	363,507	349,283	416,130	407,679	432,248	433,410	433,410	433,410	409,416	410,737	393,568	401,373	4,755,279
Navajo 1	105	74,504	67,369	74,384	71,810	73,356	72,476	73,662	73,662	74,298	72,428	73,910	71,214	74,344	873,757
Navajo 2	105	73,536	66,586	4,722	65,728	73,706	70,160	72,976	72,976	74,129	71,493	73,730	70,879	73,466	791,112
Navajo 3	105	73,869	67,300	74,150	72,616	74,253	71,785	73,677	73,677	74,214	71,978	74,252	72,235	74,309	874,639
TOTAL PLANT	315	221,909	201,256	153,256	210,155	221,315	214,421	220,315	222,841	222,841	215,900	214,328	222,120	222,120	2,539,508
TOTAL COAL	1,712	1,147,295	974,129	970,730	1,131,493	1,135,263	1,186,129	1,189,092	1,141,123	1,189,092	1,141,123	1,166,773	1,123,843	1,111,831	13,338,949
West Phoenix CC1	85	35,506	42,617	35,315	47,335	48,967	47,171	55,196	55,196	55,157	49,791	48,859	45,934	51,985	563,835
West Phoenix CC2	85	20,407	-	-	38,710	49,541	46,965	55,030	55,030	55,658	49,506	48,081	46,971	51,427	462,297
West Phoenix CC3	85	53,442	49,802	46,255	22,641	34,331	51,192	54,984	54,984	55,316	51,103	53,847	51,884	56,652	581,448
TOTAL CCS	255	109,355	92,419	81,570	108,686	132,839	145,328	165,210	165,210	166,131	150,400	150,788	144,788	160,064	1,607,579
Ocotillo ST1	110	45,776	41,229	8,684	49,145	53,816	56,855	72,566	72,566	73,541	60,124	53,726	45,225	50,682	611,370
Ocotillo ST2	110	46,600	40,463	31,395	49,230	53,752	57,765	73,378	73,378	75,525	61,112	54,728	44,797	51,485	640,229
Saguaro ST1	110	20,236	16,216	2,494	19,772	24,346	27,035	37,558	37,558	38,872	30,363	27,151	20,091	24,467	288,601
Saguaro ST2	100	18,126	13,322	7,238	17,303	22,547	24,546	35,059	35,059	36,470	27,964	24,979	9,254	13,627	250,435
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	130,739	111,230	49,811	135,449	154,461	166,201	218,560	218,560	224,408	179,563	160,585	119,368	140,261	1,790,634
Ocotillo CT1	55	12,854	10,179	6,242	10,502	17,880	18,835	26,974	26,974	28,062	19,921	18,909	12,057	15,957	198,473
Ocotillo CT2	55	12,480	10,712	5,672	13,006	14,855	18,968	26,170	26,170	27,470	20,304	18,129	12,265	15,421	195,452
Saguaro CT1	55	10,747	8,125	4,149	10,475	15,876	17,752	25,415	25,415	26,540	19,105	17,479	10,441	13,811	179,916
Saguaro CT2	55	9,284	8,309	4,120	10,480	15,156	17,817	25,076	25,076	26,231	18,936	16,833	9,972	13,829	176,064
West Phoenix CT1	55	9,312	6,776	3,278	8,501	13,531	16,349	18,161	18,161	19,161	15,650	15,650	8,134	11,942	160,368
West Phoenix CT2	55	8,478	5,892	2,856	8,091	13,623	16,827	24,346	24,346	25,618	18,151	16,021	8,416	12,247	160,567
Yucca CT1	19	4,318	4,303	908	2,698	4,858	6,114	9,098	9,098	9,910	6,927	5,982	5,313	6,586	67,026
Yucca CT2	19	5,494	3,098	993	2,743	4,878	6,032	9,012	9,012	9,732	6,957	5,669	5,565	7,022	67,194
Yucca CT3	55	15,369	13,767	7,525	15,991	19,214	20,990	29,951	29,951	30,796	23,161	19,976	14,990	18,528	230,258
Yucca CT4	54	1,601	1,225	239	636	1,219	1,677	2,676	2,676	2,670	1,895	1,381	1,369	2,228	18,816
Douglas CT	16	622	487	62	35	263	620	981	981	1,031	730	542	525	861	6,738
TOTAL CTS	493	90,660	72,851	36,044	83,158	121,353	141,981	203,516	203,516	212,996	154,250	136,582	89,049	118,432	1,460,871
TOTAL APS GAS/OIL	1,274	330,753	276,500	167,426	327,292	408,653	453,511	587,502	587,502	603,602	484,213	447,954	353,207	418,756	4,859,370
Childs/Inving	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	2,303,664	1,999,110	1,949,411	1,916,770	2,314,138	2,386,774	2,600,001	2,600,001	2,615,366	2,405,224	2,178,296	2,025,783	2,246,231	26,940,768
SRP T&C Firm Purch	288	139,379	139,734	141,374	170,556	185,180	198,226	243,982	243,982	246,256	201,881	178,755	150,813	168,574	2,164,710
SRP Contingent Purch	62	1,286	-	1,122	12,319	12,762	15,216	12,922	12,922	15,379	11,551	10,348	10,348	11,264	116,004
Pac Exchange	480	(142,848)	(69,120)	-	78,336	138,240	142,848	142,848	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONF	955	(2,183)	70,614	142,497	182,389	275,835	349,228	402,046	402,046	404,483	283,923	111,971	22,921	36,990	2,280,714

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APS MONTHLY GENERATION BY UNIT  
 PHYSICAL CAPABILITY OF UNITS  
 2003 - 2012  
 (MWH)

Generating Unit	MW RATING	2003												Tot-2008
		Jan-2008	Feb-2008	Mar-2008	Apr-2008	May-2008	Jun-2008	Jul-2008	Aug-2008	Sep-2008	Oct-2008	Nov-2008	Dec-2008	
Palo Verde 1	362	283,012	260,351	282,459	271,468	281,244	273,545	282,647	279,742	272,029	280,646	254,471	281,519	3,303,132
Palo Verde 2	362	280,477	263,332	281,738	272,447	261,792	272,747	280,414	281,473	272,501	283,501	270,345	283,501	3,305,101
Palo Verde 3	363	281,826	264,220	281,311	273,933	280,907	271,199	283,497	281,069	272,577	282,569	273,687	281,838	3,328,634
TOTAL NUCLEAR	1,086	845,315	787,902	845,508	817,847	823,944	817,490	846,558	842,285	817,107	846,724	798,503	847,684	9,936,867
Four Corners 1	170	117,742	110,422	116,435	113,562	118,220	113,248	117,183	118,218	114,770	118,086	112,147	117,941	1,386,971
Four Corners 2	170	116,629	109,252	116,885	113,687	116,560	113,832	116,560	116,778	114,851	116,643	112,147	117,629	1,381,395
Four Corners 3	220	147,659	135,029	140,041	139,318	147,865	143,417	146,961	146,474	140,701	145,417	140,028	147,456	1,720,366
Four Corners 4	111	75,290	70,875	74,216	72,961	75,730	72,111	75,444	75,622	71,861	75,219	72,172	75,646	887,147
Four Corners 5	111	75,258	71,376	74,996	73,251	74,560	73,371	74,279	76,334	74,410	74,002	73,325	75,474	890,636
TOTAL PLANT	782	532,577	496,954	522,572	512,779	532,875	515,979	530,427	533,426	515,593	529,367	509,819	534,147	6,266,515
Cholla 1	110	73,891	66,385	67,573	66,535	75,057	74,423	77,777	76,957	74,290	70,371	67,051	74,655	864,966
Cholla 2	245	161,912	143,656	144,307	144,166	164,562	163,436	171,104	172,580	162,416	152,067	144,327	163,905	1,887,926
Cholla 3	260	165,137	150,010	147,198	143,354	172,080	173,671	180,547	182,005	174,110	156,471	148,218	170,973	1,963,775
TOTAL PLANT	615	400,940	360,051	359,079	354,055	411,700	411,530	429,428	431,120	410,816	378,909	359,506	409,533	4,716,666
Navajo 1	105	74,142	69,259	74,470	71,981	74,275	71,202	74,567	73,615	72,031	74,475	72,103	73,535	875,656
Navajo 2	105	72,453	68,811	73,567	71,757	72,984	71,273	72,555	72,972	71,450	73,984	71,085	73,610	866,501
Navajo 3	105	73,969	69,291	74,311	71,642	74,922	71,906	74,129	73,794	71,918	74,140	71,961	74,520	876,503
TOTAL PLANT	315	220,564	207,361	222,349	215,380	222,181	214,381	221,251	220,381	215,399	222,588	215,149	221,665	2,618,660
TOTAL COAL	1,712	1,154,081	1,064,366	1,104,000	1,082,215	1,166,756	1,141,890	1,181,106	1,184,927	1,141,808	1,130,874	1,084,474	1,165,344	13,601,842
West Phoenix CC1	85	48,359	38,769	26,825	30,873	47,886	49,258	54,590	54,910	49,768	42,385	40,233	50,464	534,318
West Phoenix CC2	85	48,986	38,026	26,664	30,325	47,875	49,422	55,363	54,714	49,838	42,357	39,412	50,997	533,978
West Phoenix CC3	85	54,943	45,768	37,757	39,250	53,276	51,863	55,710	54,763	51,535	47,484	46,365	55,480	594,196
TOTAL CC'S	255	152,289	122,564	91,246	100,448	149,037	150,543	165,663	164,387	151,141	132,226	126,010	156,940	1,662,493
Ocotillo ST1	110	47,501	33,396	17,889	24,763	52,219	59,985	73,811	75,200	62,113	46,037	35,767	48,049	576,729
Ocotillo ST2	110	48,788	32,071	13,025	21,673	52,166	60,476	74,653	75,767	62,225	46,290	36,086	48,296	571,516
Saguaro ST1	110	21,061	11,708	2,301	6,781	24,962	29,485	38,950	40,099	31,032	20,824	22,234	22,234	262,091
Saguaro ST2	100	19,135	10,363	1,175	5,205	22,369	26,729	36,260	37,833	28,524	18,225	9,733	19,668	235,220
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	136,484	87,538	34,390	58,423	151,715	176,674	223,674	228,900	183,894	131,406	94,210	138,246	1,645,555
Ocotillo CT1	55	12,930	7,872	1,806	4,163	17,639	20,412	28,838	29,023	21,687	14,381	8,381	13,900	181,032
Ocotillo CT2	55	12,629	7,769	1,456	3,561	17,406	20,665	28,123	28,028	21,569	14,024	8,527	13,798	177,554
Saguaro CT1	55	11,246	6,299	1,148	2,775	15,711	19,742	26,596	28,171	19,998	12,935	7,163	11,978	163,762
Saguaro CT2	55	10,738	6,249	852	2,604	15,176	19,552	26,576	27,754	20,002	12,577	6,535	11,694	160,307
West Phoenix CT1	55	9,175	5,026	548	2,005	14,074	18,207	25,446	26,661	19,161	10,742	4,594	10,324	145,962
West Phoenix CT2	55	9,642	5,502	582	2,098	14,332	18,172	25,600	27,168	19,355	11,245	4,991	10,621	149,307
Yucca CT1	19	5,691	3,202	169	681	6,796	6,796	9,551	10,286	7,293	3,798	3,364	5,925	61,789
Yucca CT2	19	5,628	3,290	160	647	5,059	6,860	9,431	10,074	7,269	3,898	3,596	6,135	62,048
Yucca CT3	55	15,460	9,922	2,635	5,483	19,665	22,962	30,136	31,878	24,305	16,478	10,537	16,675	206,136
Yucca CT4	54	1,731	854	37	172	1,243	1,832	2,777	3,283	1,993	966	587	1,874	17,348
Douglas CT	16	661	324	8	58	465	711	1,031	1,115	777	341	213	726	6,429
TOTAL CTS	493	95,529	56,309	9,400	24,247	125,802	155,910	214,103	223,441	163,409	101,384	58,489	103,650	1,331,674
TOTAL APS GAS/OIL	1,274	384,303	286,411	135,037	183,119	426,555	483,128	603,639	617,241	498,444	365,015	278,709	398,836	4,640,437
Childs/Inving	4	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	2,383,699	2,118,679	2,084,545	2,083,181	2,417,254	2,442,508	2,631,304	2,644,452	2,457,359	2,342,614	2,161,686	2,411,864	28,179,145
SRP T&C Firm Purch	288	146,474	116,364	94,735	118,339	186,476	207,844	254,925	256,612	213,695	159,469	119,365	155,491	2,029,788
SRP Contingent Purch	62	1,364	-	686	8,893	12,215	13,101	15,459	15,549	13,941	10,237	8,505	10,752	110,103
Pac Exchange	480	(142,848)	(89,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONF	955	4,990	47,244	95,421	127,232	277,027	359,186	413,232	415,009	296,156	91,371	(10,370)	23,395	2,139,891

APS MONTHLY GENERATION BY UNIT  
 PHYSICAL CAPABILITY OF UNITS  
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 (MWH)

Generating Unit	MW RATING	2003												Tot-2009
		Jan-2009	Feb-2009	Mar-2009	Apr-2009	May-2009	Jun-2009	Jul-2009	Aug-2009	Sep-2009	Oct-2009	Nov-2009	Dec-2009	
Palo Verde 1	362	282,612	252,935	282,612	271,041	280,928	273,485	280,058	281,969	272,113	281,668	273,282	278,469	3,310,927
Palo Verde 2	362	281,351	253,277	281,351	273,361	279,547	273,983	282,870	281,721	271,500	281,312	254,356	280,758	3,295,621
Palo Verde 3	363	280,888	254,296	281,662	273,057	263,425	270,988	282,147	282,372	272,093	282,431	273,245	281,347	3,297,959
TOTAL NUCLEAR	1,086	844,950	760,508	845,625	817,459	823,800	818,456	845,075	846,062	815,706	845,411	800,883	840,574	9,904,508
Four Corners 1	170	116,888	106,256	118,549	113,244	117,681	114,689	115,994	117,922	115,029	117,307	114,229	117,492	1,385,279
Four Corners 2	170	116,108	103,394	116,469	112,124	117,765	109,328	116,477	116,188	111,322	117,156	111,686	115,592	1,363,618
Four Corners 3	220	147,984	133,864	145,849	140,075	149,840	145,939	149,651	147,469	143,941	147,021	142,438	149,274	1,743,355
Four Corners 4	111	75,357	67,691	74,665	73,151	74,239	75,510	75,338	72,327	75,030	75,327	75,503	75,503	884,993
Four Corners 5	111	74,236	68,488	76,187	73,210	74,826	73,206	74,770	74,411	74,138	76,348	71,196	76,465	887,481
TOTAL PLANT	782	530,582	479,694	531,718	511,803	535,374	515,401	532,402	530,869	517,501	533,170	511,886	534,326	6,264,726
Cholla 1	110	75,412	67,108	69,201	68,044	75,930	73,456	76,518	76,637	73,365	72,073	68,721	74,891	871,355
Cholla 2	245	164,845	150,223	152,186	148,275	168,802	165,236	171,375	173,732	164,817	158,712	149,762	168,050	1,936,012
Cholla 3	260	173,622	153,844	156,632	154,016	174,219	175,982	182,628	182,628	175,780	163,426	156,219	174,481	2,023,509
TOTAL PLANT	615	413,878	371,175	378,019	370,335	418,950	414,684	430,520	433,008	413,962	394,211	374,701	417,432	4,830,876
Navajo 1	105	74,124	67,082	74,293	71,853	74,360	72,032	73,219	74,761	71,417	74,418	72,024	74,520	874,102
Navajo 2	105	73,820	65,304	72,978	71,550	73,600	71,069	73,200	73,718	70,689	72,821	71,272	73,533	863,564
Navajo 3	105	74,257	67,058	74,037	71,576	74,403	72,020	74,723	74,286	70,955	74,206	72,049	74,196	873,767
TOTAL PLANT	315	222,201	199,443	221,308	214,979	222,363	215,121	221,143	222,765	213,071	221,445	215,345	222,249	2,611,432
TOTAL COAL	1,712	1,166,661	1,050,312	1,131,046	1,097,118	1,176,687	1,145,206	1,184,065	1,186,642	1,144,533	1,148,826	1,101,932	1,174,007	13,707,034
West Phoenix CC1	85	51,753	44,840	32,339	35,303	50,970	50,272	54,286	53,036	50,870	45,062	42,774	53,738	565,243
West Phoenix CC2	85	52,080	45,227	31,906	34,987	50,635	50,326	54,726	53,738	50,457	44,639	42,728	53,746	565,312
West Phoenix CC3	85	57,904	50,813	41,439	44,524	53,728	51,977	54,390	54,518	52,444	49,511	48,407	57,296	616,950
TOTAL CCS	255	161,737	140,880	105,684	114,815	155,081	152,884	163,402	161,351	153,771	139,212	133,909	164,779	1,747,505
Ocotillo ST1	110	51,604	42,536	24,326	31,536	57,539	63,535	74,566	75,554	65,263	49,632	41,249	53,436	630,774
Ocotillo ST2	110	52,102	42,080	20,827	29,952	57,946	63,820	75,554	75,600	66,560	49,951	41,711	54,533	630,635
Saguaro ST1	110	25,570	16,748	4,769	10,619	28,484	30,674	41,199	42,379	33,111	23,577	16,329	26,648	300,106
Saguaro ST2	100	23,011	14,848	2,479	8,222	25,866	38,421	39,403	39,403	30,895	21,745	13,424	25,349	177,947
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	152,287	116,211	52,402	80,329	169,833	186,313	229,741	232,935	195,829	144,905	112,713	159,966	1,833,463
Ocotillo CT1	55	15,252	12,383	2,959	6,426	19,403	22,848	28,872	31,271	22,950	17,195	10,470	15,595	205,624
Ocotillo CT2	55	14,975	11,235	2,551	5,590	19,467	22,669	29,494	29,504	22,457	16,129	10,386	15,708	200,164
Saguaro CT1	55	13,165	9,522	1,853	4,673	18,347	21,558	28,281	29,090	21,916	15,184	8,654	13,942	186,186
Saguaro CT2	55	12,807	9,250	1,439	4,152	17,298	20,793	28,044	29,121	21,566	14,638	8,379	13,157	180,644
West Phoenix CT1	55	11,256	7,220	854	3,253	15,782	20,085	27,069	28,309	20,851	13,251	6,878	11,785	165,684
West Phoenix CT2	55	11,546	7,839	1,047	3,373	16,401	19,934	26,842	28,445	21,074	13,964	6,678	12,333	169,676
Yucca CT1	19	6,807	4,566	305	1,110	5,881	7,524	10,267	10,491	7,886	4,868	4,496	7,063	71,262
Yucca CT2	19	6,876	4,798	276	1,101	5,777	7,456	10,093	10,318	7,906	4,762	4,735	6,987	71,084
Yucca CT3	55	18,545	14,822	4,088	7,875	22,026	24,952	32,103	32,737	25,266	18,468	13,560	19,533	233,975
Yucca CT4	54	2,180	1,320	56	261	1,488	1,978	3,263	3,697	2,218	1,296	900	2,365	21,023
Douglas CT	16	813	509	11	89	565	768	1,127	1,175	848	443	338	956	7,640
TOTAL CTS	493	114,221	83,462	15,439	37,902	142,433	170,565	225,455	234,158	174,548	120,197	75,158	119,422	1,512,961
TOTAL APS GAS/OIL	1,274	428,246	340,553	173,524	233,046	467,348	509,762	619,212	629,065	524,175	404,315	321,782	444,167	5,095,195
Chilids/living	4	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	2,439,857	2,151,374	2,150,195	2,147,622	2,467,834	2,473,425	2,648,352	2,661,769	2,484,414	2,398,551	2,224,597	2,458,748	28,706,737
SRP T&C Firm Purch	288	169,377	153,196	115,406	135,339	200,558	224,108	263,934	263,865	227,134	172,754	137,474	179,523	2,242,667
SRP Contingent Purch	62	1,035	918	918	9,603	12,690	13,735	15,526	15,570	13,804	10,773	9,499	11,738	114,892
Pac Exchange	480	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Hedged Forward Purch	125	27,564	84,076	116,324	144,942	291,584	376,084	422,308	422,282	310,058	105,191	8,733	48,413	2,357,560
TOTAL APS PURCH CONT	955	27,564	84,076	116,324	144,942	291,584	376,084	422,308	422,282	310,058	105,191	8,733	48,413	2,357,560

APS MONTHLY GENERATION BY UNIT  
PHYSICAL CAPABILITY OF UNITS  
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(MWH)

Generating Unit	2003 MW RATING	Jan-2010	Feb-2010	Mar-2010	Apr-2010	May-2010	Jun-2010	Jul-2010	Aug-2010	Sep-2010	Oct-2010	Nov-2010	Dec-2010	Tot-2010
Palo Verde 1	362	282,898	254,329	281,948	270,486	262,424	270,892	280,418	284,075	272,125	280,755	271,765	282,965	3,295,079
Palo Verde 2	362	280,527	254,982	281,190	273,754	281,013	272,028	282,780	279,986	272,857	280,127	274,163	282,194	3,315,500
Palo Verde 3	363	280,409	255,824	280,588	272,879	281,564	273,722	281,732	280,245	273,466	283,100	252,104	283,643	3,299,274
TOTAL NUCLEAR	1,086	843,834	765,135	843,726	817,118	825,001	816,641	844,930	844,306	818,447	843,882	796,032	848,801	9,909,853
Four Corners 1	170	116,697	103,517	116,043	114,113	116,163	113,334	117,098	115,059	112,715	116,926	113,195	117,210	1,371,571
Four Corners 2	170	117,348	105,750	116,621	112,852	119,004	113,994	116,483	117,453	113,715	116,674	113,586	116,965	1,380,445
Four Corners 3	220	149,791	133,732	147,823	143,176	148,369	144,578	150,120	149,052	143,448	149,013	141,738	149,489	1,750,328
Four Corners 4	111	74,729	67,255	76,193	72,209	74,747	73,167	74,949	74,162	72,207	75,549	72,837	74,806	884,811
Four Corners 5	111	75,191	66,923	76,065	73,391	75,059	72,149	75,917	74,056	72,399	75,534	74,297	73,902	884,884
TOTAL PLANT	782	533,756	477,178	532,746	515,741	533,342	517,222	534,781	530,570	513,985	533,695	515,653	532,372	6,271,038
Cholla 1	110	76,261	69,515	71,791	71,573	76,132	74,918	77,236	77,138	75,375	73,372	70,624	77,131	891,066
Cholla 2	245	167,516	149,299	155,921	152,783	167,760	164,152	170,979	169,466	164,854	160,931	152,911	167,017	1,943,589
Cholla 3	260	178,848	158,103	160,275	160,721	183,232	174,242	183,395	184,777	176,336	168,121	163,171	180,347	2,071,568
TOTAL PLANT	615	422,626	376,917	387,987	385,077	427,124	413,312	431,611	431,381	416,564	402,423	386,706	424,494	4,906,223
Navajo 1	105	73,610	66,617	74,555	71,667	74,280	72,207	74,344	73,015	72,111	74,122	71,905	74,583	873,017
Navajo 2	105	73,567	66,509	72,618	70,596	73,966	71,296	73,815	73,272	71,126	72,427	70,861	73,978	864,030
Navajo 3	105	74,482	67,571	73,949	71,524	74,172	72,044	74,606	74,356	71,845	74,104	71,407	74,360	874,021
TOTAL PLANT	315	221,660	200,697	220,722	213,787	222,418	215,546	222,765	220,844	215,082	220,654	214,172	222,922	2,611,068
TOTAL COAL	1,712	1,178,041	1,054,792	1,141,455	1,114,605	1,182,883	1,146,080	1,189,157	1,182,595	1,145,631	1,156,772	1,116,531	1,179,788	13,788,330
West Phoenix CC1	85	54,375	48,004	36,988	38,711	52,858	51,323	54,282	52,517	52,149	47,342	46,995	55,752	591,294
West Phoenix CC2	85	55,805	47,221	37,021	38,751	52,703	51,410	54,052	53,292	52,008	47,689	46,439	56,487	592,879
West Phoenix CC3	85	58,449	52,517	47,289	47,350	55,984	51,803	54,142	53,367	53,353	52,255	51,207	58,119	636,834
TOTAL CC'S	255	168,629	147,742	121,298	124,812	161,545	154,536	162,476	159,175	157,510	147,286	144,641	171,358	1,821,007
Ocotillo ST1	110	56,139	47,458	32,400	37,573	60,879	66,012	75,352	75,966	67,586	53,524	45,314	57,539	675,742
Ocotillo ST2	110	56,837	47,246	29,395	36,173	61,744	67,216	76,263	75,938	68,107	53,949	45,765	60,412	679,044
Saguaro ST1	110	29,852	22,162	7,050	14,058	30,196	34,196	44,611	49,292	35,220	25,869	19,267	30,627	342,400
Saguaro ST2	100	28,270	21,724	4,349	11,394	27,924	32,069	42,471	46,731	31,970	24,104	16,538	29,872	317,417
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	33	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	171,097	138,591	73,194	99,197	180,743	199,493	238,698	247,928	202,882	157,446	126,883	178,450	2,014,602
Ocotillo CT1	55	16,990	12,448	6,040	8,622	21,622	23,628	28,933	29,723	24,493	17,792	13,855	16,971	221,116
Ocotillo CT2	55	16,731	12,561	5,051	7,726	21,452	23,755	28,179	26,307	23,976	17,890	12,689	17,346	213,663
Saguaro CT1	55	14,726	10,274	3,948	6,605	20,000	22,695	28,710	28,619	22,782	16,659	11,047	14,942	201,009
Saguaro CT2	55	14,473	10,343	3,415	5,646	19,317	22,440	27,720	27,933	23,292	15,924	10,895	14,388	195,786
West Phoenix CT1	55	12,640	8,699	2,261	4,686	17,709	21,094	28,045	28,310	21,503	15,005	8,778	12,777	184,447
West Phoenix CT2	55	12,959	8,839	2,419	4,919	18,153	21,619	27,908	28,310	21,798	15,552	9,803	13,278	184,447
Yucca CT1	19	7,669	5,378	742	1,633	6,486	8,208	10,046	9,591	8,133	5,444	5,954	7,779	77,066
Yucca CT2	19	7,728	5,618	707	1,553	6,348	8,164	9,597	9,118	8,231	5,320	6,168	7,708	76,259
Yucca CT3	55	20,599	15,958	7,413	10,208	23,987	26,926	33,049	33,383	26,437	19,684	16,181	21,846	255,671
Yucca CT4	54	2,559	1,650	155	379	1,657	2,283	4,787	5,879	2,356	1,721	1,329	2,710	27,465
Douglas CT	16	1,019	644	37	134	622	847	1,214	1,258	877	525	512	1,078	8,766
TOTAL CTS	493	128,094	92,410	32,189	52,113	157,352	181,659	228,187	227,321	183,877	131,516	97,210	130,824	1,642,751
TOTAL APS GAS/OIL	1,274	467,820	378,742	226,681	276,121	499,640	535,638	631,913	637,593	544,315	436,248	368,735	480,632	5,484,278
Chilids/Inwing	4	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	2,489,695	2,198,669	2,211,863	2,207,845	2,507,524	2,498,560	2,665,999	2,664,493	2,508,393	2,436,901	2,283,298	2,509,221	29,182,461
SRP T&C Firm Purch	288	189,958	171,186	140,417	153,760	213,248	237,380	271,887	270,605	239,576	188,431	155,513	199,768	2,431,730
SRP Contingent Purch	62	1,035	-	1,092	10,335	13,128	13,987	15,585	15,579	14,136	11,382	10,419	12,301	118,979
Pac Exchange	480	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONF	955	48,145	102,066	141,509	164,095	304,711	389,606	430,320	429,033	322,832	121,477	27,692	69,222	2,550,710

APS MONTHLY GENERATION BY UNIT  
 PHYSICAL CAPABILITY OF UNITS  
 2003 - 2012  
 (MWH)

Generating Unit	MW RATING	2003												Tot-2011
		Jan-2011	Feb-2011	Mar-2011	Apr-2011	May-2011	Jun-2011	Jul-2011	Aug-2011	Sep-2011	Oct-2011	Nov-2011	Dec-2011	
Palo Verde 1	362	279,868	253,850	281,615	273,754	279,205	272,925	280,957	283,594	271,043	281,385	253,800	280,720	3,292,713
Palo Verde 2	362	279,776	255,683	281,646	271,741	261,232	275,024	279,400	282,858	272,125	282,373	271,557	281,797	3,295,012
Palo Verde 3	363	281,688	253,035	282,593	272,571	281,497	273,014	283,097	282,637	270,519	280,896	271,559	282,578	3,317,118
TOTAL NUCLEAR	1,086	841,332	762,768	845,854	818,066	821,933	820,963	843,453	849,089	814,919	844,453	796,916	845,096	9,904,843
Four Corners 1	170	117,321	106,935	116,495	113,823	118,111	113,646	118,602	117,989	113,993	116,801	114,036	118,297	1,386,050
Four Corners 2	170	117,979	105,792	117,779	112,551	116,796	114,492	117,593	117,385	113,747	116,757	112,914	118,060	1,381,844
Four Corners 3	220	147,601	132,959	146,225	142,611	147,217	142,335	147,079	147,786	143,377	145,863	143,424	146,427	1,732,903
Four Corners 4	111	75,226	67,861	74,844	72,891	74,980	72,338	75,598	74,986	72,441	74,858	73,021	75,237	884,681
Four Corners 5	111	75,631	67,732	74,510	72,827	76,343	73,421	74,086	75,246	72,771	74,666	73,205	75,690	866,128
TOTAL PLANT	782	533,759	481,378	529,853	514,704	533,947	516,232	532,957	533,392	516,128	528,944	516,209	533,711	6,271,605
Cholla 1	110	76,227	69,731	74,134	72,507	77,477	74,441	77,247	77,519	74,604	75,496	72,429	76,988	898,801
Cholla 2	245	168,410	152,815	169,828	158,447	170,239	166,196	169,759	171,356	165,636	163,651	158,263	170,565	1,975,166
Cholla 3	260	177,340	159,790	164,167	164,290	180,569	177,461	180,822	181,430	176,552	169,256	164,068	181,533	2,077,079
TOTAL PLANT	615	421,977	382,336	398,128	395,245	428,286	418,098	427,628	430,304	416,792	408,403	394,761	429,086	4,951,045
Navajo 1	105	74,476	66,931	73,597	72,473	73,554	71,613	74,819	74,627	71,034	74,129	71,579	74,216	873,048
Navajo 2	105	74,055	66,509	72,801	70,542	72,813	71,782	73,409	73,715	71,171	73,619	69,828	73,687	863,932
Navajo 3	105	74,040	67,413	74,840	71,671	73,424	71,897	74,579	74,532	71,835	74,360	71,509	74,347	874,447
TOTAL PLANT	315	222,571	200,854	221,238	214,686	219,790	215,292	222,808	222,874	214,041	222,108	212,915	222,250	2,611,427
TOTAL COAL	1,712	1,178,307	1,064,568	1,149,220	1,124,635	1,182,023	1,149,622	1,183,393	1,186,571	1,146,961	1,159,456	1,124,276	1,185,047	13,834,078
West Phoenix CC1	85	58,315	49,678	40,746	42,558	54,540	51,271	54,544	54,220	51,600	50,597	48,073	58,572	614,715
West Phoenix CC2	85	56,582	50,527	41,205	42,475	54,346	51,755	53,960	54,189	52,557	49,929	48,659	58,766	614,950
West Phoenix CC3	85	59,653	52,941	50,326	49,694	56,663	51,906	53,397	54,526	52,459	54,601	53,865	60,219	650,249
TOTAL CC'S	255	174,550	153,145	132,278	134,728	165,549	154,932	161,900	162,935	156,616	155,127	150,597	177,557	1,879,914
Ocotillo ST1	110	59,495	51,392	37,381	42,988	64,319	67,702	76,317	75,802	69,339	55,753	49,760	61,155	711,401
Ocotillo ST2	110	60,528	51,483	36,488	43,848	64,891	68,891	77,015	76,289	70,301	56,962	49,643	62,864	719,160
Saguaro ST1	110	33,286	25,428	11,079	17,392	32,844	35,635	48,251	51,957	36,087	27,863	23,249	34,580	377,651
Saguaro ST2	100	32,179	24,227	7,441	13,965	30,773	32,884	45,497	49,242	32,880	26,691	21,667	32,421	349,869
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	185,488	152,531	92,388	118,192	192,786	205,112	247,080	253,289	208,607	167,269	144,318	191,020	2,158,080
Ocotillo CT1	55	18,642	15,228	8,031	10,642	23,364	25,361	29,694	29,899	25,285	19,476	14,762	19,393	239,778
Ocotillo CT2	55	17,990	14,955	7,500	9,710	23,389	24,566	28,379	26,213	25,371	19,419	14,186	19,138	230,815
Saguaro CT1	55	16,881	12,166	6,366	8,382	22,163	23,647	28,496	26,764	24,211	18,417	12,213	16,987	218,693
Saguaro CT2	55	15,634	12,094	5,370	7,637	21,963	23,385	27,373	27,478	23,735	18,277	11,912	16,883	211,741
West Phoenix CT1	55	14,371	10,108	3,855	6,138	20,349	22,500	27,994	28,641	22,999	16,407	10,122	14,656	198,140
West Phoenix CT2	55	14,614	10,510	4,124	6,579	20,700	23,111	28,139	27,886	22,707	16,762	10,766	15,642	201,540
Yucca CT1	19	8,485	6,912	1,216	2,068	7,390	8,532	9,365	9,280	8,803	6,156	6,526	8,736	83,470
Yucca CT2	19	8,445	7,109	1,198	1,975	7,297	8,560	9,120	7,984	8,849	6,252	6,659	8,740	82,186
Yucca CT3	55	23,123	18,995	9,948	12,434	24,972	27,829	34,655	34,211	27,745	20,829	17,748	23,808	276,289
Yucca CT4	54	3,057	1,943	263	489	1,854	2,443	5,391	6,419	2,360	2,437	1,838	3,142	31,636
Douglas CT	16	1,191	778	72	167	708	916	1,267	1,311	931	590	694	1,214	9,838
TOTAL CTS	493	142,434	110,788	47,943	66,221	174,148	190,851	229,871	228,088	192,986	145,022	107,425	148,339	1,784,125
TOTAL APS GAS/OIL	1,274	502,471	416,464	272,609	319,141	532,483	551,114	640,866	647,925	558,240	467,418	402,340	516,917	5,827,989
Childs/Iving	4	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	2,522,111	2,243,800	2,267,683	2,261,842	2,536,439	2,521,700	2,667,712	2,683,585	2,520,119	2,471,327	2,323,532	2,547,060	29,566,909
SRP T&C Firm Purch	288	206,550	183,729	157,789	169,922	226,892	248,578	280,124	279,201	251,519	199,340	175,136	217,422	2,596,203
SRP Contingent Purch	62	1,206	-	1,133	10,919	13,594	14,288	15,622	15,624	14,401	11,686	10,896	12,931	122,301
Pac Exchange	480	(142,848)	(69,120)	-	-	79,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONF	955	64,908	114,609	158,922	180,842	318,822	401,106	438,594	437,673	335,040	132,680	47,793	87,505	2,718,504

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APS MONTHLY GENERATION BY UNIT  
PHYSICAL CAPABILITY OF UNITS  
2003 - 2012  
(MWH)

Generating Unit	2003 MW RATING	Jan-2012	Feb-2012	Mar-2012	Apr-2012	May-2012	Jun-2012	Jul-2012	Aug-2012	Sep-2012	Oct-2012	Nov-2012	Dec-2012	Tot-2012
Palo Verde 1	362	279,168	264,195	281,702	271,641	281,374	274,509	278,324	282,961	271,085	280,820	274,910	280,469	3,321,159
Palo Verde 2	362	281,745	262,606	281,618	272,888	282,504	271,818	282,652	282,035	271,594	282,284	274,545	280,469	3,368,014
Palo Verde 3	363	282,571	264,983	280,476	272,513	264,983	271,805	281,691	281,622	275,375	279,833	271,942	280,804	3,308,596
TOTAL NUCLEAR	1,086	843,484	791,784	843,797	817,042	828,861	818,133	842,667	846,618	818,054	842,937	801,307	841,011	9,935,695
Four Corners 1	170	118,012	109,784	119,052	111,811	117,562	114,226	118,455	118,582	111,638	117,844	112,638	118,246	1,389,861
Four Corners 2	170	115,786	108,729	114,590	114,068	114,226	112,112	117,725	115,645	111,447	116,746	113,111	113,827	1,368,014
Four Corners 3	220	148,127	139,394	148,758	145,378	149,286	143,608	148,132	148,203	144,443	151,079	142,845	148,966	1,758,220
Four Corners 4	111	74,618	70,601	74,618	73,028	75,772	71,816	75,472	75,581	72,519	74,587	71,940	75,746	886,855
Four Corners 5	111	74,851	70,319	74,745	73,079	74,618	73,380	76,114	74,548	72,578	75,353	72,492	75,258	887,327
TOTAL PLANT	782	531,393	498,828	532,320	517,363	531,458	515,142	535,897	532,558	514,637	535,609	513,026	532,044	6,290,276
Cholla 1	110	76,136	70,847	74,499	73,033	76,759	74,408	76,264	76,732	73,412	74,586	73,225	76,355	896,255
Cholla 2	245	170,396	157,925	165,726	161,303	171,108	167,680	171,796	171,513	166,807	165,903	160,598	172,403	2,003,168
Cholla 3	260	181,606	164,757	170,647	168,580	181,655	177,505	183,470	182,869	176,017	173,828	168,328	180,810	2,110,073
TOTAL PLANT	615	428,138	393,529	410,872	402,916	429,522	419,603	431,530	431,114	416,236	414,317	402,151	429,568	5,009,495
Navajo 1	105	74,424	69,629	74,600	71,002	74,522	71,360	74,117	74,553	71,763	73,970	71,711	74,450	876,101
Navajo 2	105	73,753	68,287	73,987	70,659	73,240	70,429	73,930	73,603	70,843	73,696	71,672	72,319	866,418
Navajo 3	105	73,892	69,327	74,808	71,852	74,119	71,377	74,184	74,197	72,081	74,550	71,812	74,384	876,583
TOTAL PLANT	315	222,069	207,243	223,396	213,514	221,881	213,165	222,331	222,352	214,688	222,216	215,195	221,153	2,619,102
TOTAL COAL	1,712	1,181,601	1,099,600	1,166,588	1,133,793	1,182,861	1,147,910	1,189,659	1,186,024	1,145,560	1,172,142	1,130,371	1,182,765	13,918,873
West Phoenix CC1	85	59,890	51,242	44,382	44,704	55,685	52,149	54,172	53,645	52,352	51,467	49,953	59,326	628,905
West Phoenix CC2	85	59,103	50,612	45,201	45,277	55,661	52,108	53,774	53,681	52,166	51,401	50,411	59,873	629,269
West Phoenix CC3	85	60,541	54,103	51,879	51,234	52,294	52,631	53,631	53,813	52,668	54,324	55,758	61,069	658,711
TOTAL CCS	255	179,474	155,957	141,462	141,216	168,742	156,550	161,577	161,140	157,185	157,192	156,122	180,268	1,916,885
Ocotillo ST1	110	62,962	51,354	42,911	47,343	66,525	69,316	76,566	76,696	69,204	58,198	50,962	64,209	736,248
Ocotillo ST2	110	64,511	52,462	43,342	46,926	67,351	70,630	76,603	77,615	70,132	58,293	52,433	65,766	746,695
Saguaro ST1	100	36,079	25,745	13,777	19,033	34,737	36,988	54,173	50,847	37,335	29,706	27,735	36,309	402,464
Saguaro ST2	100	34,758	24,855	10,006	16,936	32,377	33,892	51,419	48,888	34,756	27,812	25,860	34,961	376,519
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	198,310	154,416	110,037	130,238	200,990	210,826	258,761	254,045	211,427	174,642	156,990	201,245	2,261,926
Ocotillo CT1	55	20,006	15,212	10,277	13,400	24,914	25,873	29,286	29,613	25,834	21,026	15,266	21,615	252,323
Ocotillo CT2	55	20,287	14,459	9,183	12,946	24,457	25,043	22,177	26,979	26,084	21,116	15,001	20,810	238,543
Saguaro CT1	55	18,238	12,792	7,988	11,159	23,006	24,362	27,235	29,224	25,362	19,845	13,270	19,160	231,643
Saguaro CT2	55	17,677	11,931	7,015	10,300	23,208	24,323	26,769	28,864	24,473	19,756	12,814	18,655	225,784
West Phoenix CT1	55	15,393	10,535	5,175	8,248	21,993	23,279	27,665	28,756	23,548	18,502	11,494	16,893	211,482
West Phoenix CT2	55	16,082	10,853	5,661	8,595	22,096	23,680	26,548	28,205	23,971	17,968	11,526	17,910	213,095
Yucca CT1	19	9,054	6,896	1,646	2,712	7,820	8,925	8,591	10,051	9,301	6,855	6,726	9,506	88,083
Yucca CT2	19	9,164	6,958	1,590	2,742	7,880	8,810	8,205	8,727	9,078	6,904	6,930	9,444	86,432
Yucca CT3	55	25,320	19,022	12,960	15,356	26,342	28,014	34,665	34,912	29,057	22,326	16,743	25,356	292,071
Yucca CT4	54	3,306	1,968	331	671	2,026	2,709	8,169	5,728	2,682	3,407	2,376	3,674	37,048
Douglas CT	16	1,331	777	97	225	772	967	1,367	1,315	988	676	859	1,411	10,785
TOTAL CTS	493	155,859	111,405	61,922	86,354	184,514	195,985	220,677	232,374	200,378	158,381	115,004	164,435	1,887,289
TOTAL APS GAS/OIL	1,274	533,643	421,778	313,421	357,808	554,250	563,544	647,522	650,792	569,254	480,215	428,115	545,947	6,076,289
Chilids/Ining	4	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	2,558,729	2,313,162	2,323,805	2,308,644	2,565,972	2,529,587	2,679,847	2,683,434	2,532,868	2,505,294	2,359,793	2,569,723	29,930,857
SRP T&C Firm Purch	288	223,700	188,649	172,594	184,413	240,996	259,272	287,621	286,449	261,956	214,531	189,819	234,302	2,744,301
SRP Contingent Purch	62	1,235	-	1,464	11,394	13,975	14,572	15,624	15,624	14,561	12,190	11,073	13,571	125,283
Pac Exchange	480	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONIT	955	82,087	119,529	174,058	195,807	333,307	412,084	446,093	444,921	345,637	148,384	62,652	105,025	2,869,584

APS MONTHLY CAPACITY FACTORS BY UNIT  
 PHYSICAL CAPABILITY OF UNITS  
 2003-2012  
 (%)

2003 MW RATING	Jan-2003	Feb-2003	Mar-2003	Apr-2003	May-2003	Jun-2003	Jul-2003	Aug-2003	Sep-2003	Oct-2003	Nov-2003	Dec-2003	Tot-2003
Palo Verde 1	362	98.02	97.74	97.98	97.71	97.51	97.13	97.66	98.06	97.34	97.48	97.03	97.73
Palo Verde 2	362	98.38	97.88	97.90	97.29	97.78	96.80	97.95	97.23	84.71	-	59.87	71.42
Palo Verde 3	363	98.04	97.86	88.03	-	84.80	98.29	97.56	97.13	97.47	97.60	97.23	87.68
TOTAL NUCLEAR	1,086	98.15	97.83	94.63	64.93	93.35	97.41	97.72	97.47	93.18	65.06	64.79	87.57
Four Corners 1	170	86.39	88.38	80.49	91.96	85.87	89.54	92.58	92.29	91.40	88.61	87.80	88.28
Four Corners 2	170	84.39	87.59	81.17	90.42	85.74	88.07	91.60	90.35	89.18	87.17	87.27	83.10
Four Corners 3	220	78.59	81.74	56.54	-	54.53	83.65	88.17	88.32	86.08	83.08	81.39	71.67
Four Corners 4	111	91.93	44.96	87.95	89.91	89.41	90.63	88.65	90.81	89.32	89.42	89.53	88.24
Four Corners 5	111	93.21	90.38	88.09	91.29	89.98	89.02	91.03	91.82	90.05	89.54	85.04	86.90
TOTAL PLANT	782	85.52	80.46	76.04	65.37	78.11	87.65	90.35	90.47	88.93	86.99	85.73	82.88
Cholla 1	110	84.65	89.68	80.45	93.16	87.89	90.26	93.60	93.05	91.80	88.97	88.20	88.95
Cholla 2	245	81.02	85.12	75.02	90.82	85.10	88.28	94.59	93.98	89.07	84.87	84.66	86.24
Cholla 3	260	75.92	42.99	21.66	88.28	81.64	85.22	92.88	94.00	87.09	82.02	80.25	76.07
TOTAL PLANT	615	79.51	68.12	53.43	90.16	84.14	87.34	93.69	93.82	88.72	84.40	83.43	82.43
Navajo 1	105	53.25	3.37	95.99	94.82	94.75	95.54	94.40	95.11	95.71	95.06	94.57	84.44
Navajo 2	105	96.53	94.30	94.45	94.53	93.06	93.53	94.20	94.92	93.34	95.05	94.05	92.36
Navajo 3	105	96.04	95.24	21.76	-	83.44	95.53	94.79	94.26	94.87	95.80	94.82	80.14
TOTAL PLANT	315	81.94	64.30	70.74	63.12	90.42	94.87	94.46	94.76	94.64	95.30	94.48	86.26
TOTAL COAL	1,712	82.70	73.06	66.94	73.86	82.54	88.86	92.31	92.47	89.91	87.59	86.51	83.34
West Phoenix CC1	85	46.07	57.01	25.60	67.29	55.90	59.27	81.59	83.33	62.96	58.06	53.44	57.17
West Phoenix CC2	85	45.56	57.15	31.18	67.40	56.21	58.37	81.10	83.12	64.27	5.39	29.29	52.95
West Phoenix CC3	85	63.57	71.03	46.19	13.18	67.78	70.34	84.03	85.78	75.17	72.32	68.33	65.83
TOTAL CCS	255	51.74	61.73	34.32	49.29	59.96	62.66	82.24	84.08	67.47	45.25	50.35	59.25
Ocotillo ST1	110	30.09	32.07	3.77	49.43	39.38	46.53	71.31	76.05	53.38	44.34	28.68	37.06
Ocotillo ST2	110	26.25	28.54	10.59	48.35	37.12	44.23	72.19	77.70	52.27	42.75	22.18	33.31
Saguaro ST1	110	7.71	0.34	1.96	16.22	14.00	17.83	32.30	36.51	22.78	17.35	5.61	12.43
Saguaro ST2	100	5.32	8.05	0.89	13.11	13.30	16.88	30.93	35.10	21.81	15.23	1.12	10.62
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	14.41	14.28	3.58	26.34	21.45	25.92	42.65	46.46	31.00	24.74	12.02	19.33
Ocotillo CT1	55	11.31	14.38	3.12	14.53	19.48	29.04	46.39	50.16	33.43	23.62	8.82	17.60
Ocotillo CT2	55	8.10	13.65	2.68	18.54	17.75	26.25	44.23	48.35	32.88	21.36	7.30	16.87
Saguaro CT1	55	8.49	11.47	0.02	12.88	15.41	24.13	41.53	45.19	30.15	18.72	4.34	13.76
Saguaro CT2	55	7.74	10.80	2.00	13.12	14.21	22.55	39.78	45.04	27.67	16.69	4.46	13.54
West Phoenix CT1	55	5.74	3.93	1.50	10.24	10.66	19.97	35.90	40.26	24.04	14.08	1.93	11.01
West Phoenix CT2	55	5.55	8.47	1.09	9.26	11.18	20.57	36.79	42.14	25.40	14.76	2.45	11.38
Yucca CT1	19	10.60	16.50	0.95	8.04	10.90	21.50	36.54	43.67	24.05	14.52	8.96	21.83
Yucca CT2	19	11.76	15.70	1.19	8.59	11.20	20.78	38.12	42.15	24.16	13.70	9.91	18.27
Yucca CT3	55	15.20	18.34	4.45	24.95	23.30	31.92	50.41	54.80	38.64	28.64	13.71	21.58
Yucca CT4	54	0.68	1.16	0.10	0.64	1.57	1.93	3.46	4.14	2.23	1.34	0.30	2.09
Douglas CT	16	0.67	1.39	0.06	0.67	0.20	2.27	4.42	5.15	2.65	1.42	0.24	2.24
TOTAL CTS	493	7.89	10.46	1.76	12.28	13.52	21.38	36.31	40.29	25.86	16.66	5.57	13.76
TOTAL APS GAS/OIL	1,274	19.36	22.30	9.03	25.49	26.09	31.51	48.12	51.60	36.31	25.72	17.20	28.26
Childs/Irving	4	87.16	87.40	87.16	86.87	87.16	86.87	87.16	87.17	86.88	87.17	86.87	87.16
TOTAL APS GENERATION	4,076	67.02	63.81	56.24	56.38	67.78	73.22	79.94	81.02	74.03	62.25	59.06	65.79
SRP T&C Firm Purch	350	31.44	37.87	26.27	59.48	53.05	59.21	74.80	77.03	63.81	56.52	44.49	38.89
Pac Exchange	480	(40.00)	(21.43)	-	-	21.94	40.00	40.00	40.00	20.00	(21.94)	(40.00)	(40.00)
Hedged Forward Purch	125	-	-	-	-	-	-	77.50	80.38	75.79	-	-	19.64
TOTAL APS PURCH CONF	955	(8.88)	2.85	9.51	21.52	30.30	41.81	57.66	58.86	43.36	9.69	(3.80)	(5.85)





**APS MONTHLY CAPACITY FACTORS BY UNIT  
PHYSICAL CAPABILITY OF UNITS  
2003-2012  
(%)**

MW RATING	Jan-2006	Feb-2006	Mar-2006	Apr-2006	May-2006	Jun-2006	Jul-2006	Aug-2006	Sep-2006	Oct-2006	Nov-2006	Dec-2006	Tot-2006	
Palo Verde 1	362	97.46	98.62	96.74	98.16	97.14	97.72	96.69	97.77	98.10	97.84	97.26	97.68	97.59
Palo Verde 2	362	97.52	97.75	97.66	96.52	98.59	97.44	97.73	97.56	94.67	-	81.03	97.32	87.68
Palo Verde 3	363	97.83	97.42	97.24	-	75.29	98.18	96.57	97.25	97.52	97.28	97.26	97.50	87.52
TOTAL NUCLEAR	1,086	97.60	97.94	97.21	66.31	90.67	97.77	97.01	97.53	96.74	64.34	91.73	97.50	91.00
Four Corners 1	170	92.95	92.36	87.99	92.25	92.54	93.35	93.25	93.16	93.32	91.54	65.39	92.12	90.04
Four Corners 2	170	90.07	90.94	87.21	91.70	90.30	91.68	92.34	90.93	91.63	91.17	87.27	91.03	90.52
Four Corners 3	220	16.64	-	70.41	88.11	87.86	88.62	89.65	90.15	89.68	88.46	82.82	86.33	73.68
Four Corners 4	111	91.04	91.32	91.96	89.99	91.56	91.27	90.23	91.63	91.08	91.06	91.97	91.03	91.18
Four Corners 5	111	88.88	91.57	89.36	89.46	90.90	90.97	89.89	91.26	89.68	78.81	74.17	91.56	88.03
TOTAL PLANT	782	70.01	65.81	83.63	90.25	90.37	91.02	91.13	91.34	91.09	88.72	80.07	90.02	85.42
Cholla 1	110	90.39	89.31	82.89	92.41	90.44	92.61	93.39	93.46	92.38	91.84	84.94	88.51	90.22
Cholla 2	245	89.07	86.34	80.88	91.12	88.89	92.02	94.64	93.92	92.95	90.32	83.43	86.84	89.37
Cholla 3	260	86.54	86.78	58.80	46.61	87.03	91.83	95.37	92.87	91.80	88.64	80.10	84.55	82.60
TOTAL PLANT	615	88.24	87.85	71.91	72.53	88.38	92.04	94.73	93.39	92.36	89.88	82.29	86.17	86.66
Navajo 1	105	95.56	94.84	94.78	94.42	95.11	94.81	94.85	95.65	95.33	93.65	95.66	94.61	94.94
Navajo 2	105	93.88	93.81	93.75	93.20	93.40	95.47	93.97	94.01	94.27	93.76	92.21	94.95	93.89
Navajo 3	105	95.09	95.68	9.04	85.80	94.46	94.84	94.97	95.09	95.09	95.34	95.08	94.22	86.93
TOTAL PLANT	315	94.84	94.78	65.86	91.14	94.32	95.04	94.60	94.92	94.90	94.25	94.32	94.59	91.92
TOTAL COAL	1,712	81.13	79.06	76.15	84.05	90.38	92.13	93.06	92.74	92.25	90.15	83.49	89.48	87.06
West Phoenix CC1	85	3.54	-	7.92	71.62	68.00	73.99	87.12	87.00	77.08	74.15	58.70	68.08	56.75
West Phoenix CC2	85	76.79	74.48	42.42	53.74	68.52	73.27	87.56	86.60	77.00	73.81	59.59	67.91	70.15
West Phoenix CC3	85	87.42	87.48	63.26	63.31	77.71	80.41	86.23	87.22	81.80	83.69	71.92	78.83	79.09
TOTAL CCS	255	55.92	53.99	37.87	62.89	71.41	75.89	86.97	86.94	78.63	77.22	63.40	71.60	68.66
Ocotillo ST1	110	58.31	52.74	24.58	54.12	56.27	66.48	86.15	87.44	72.03	63.78	39.91	47.49	59.17
Ocotillo ST2	110	58.17	51.68	19.60	53.82	54.49	65.94	87.99	90.05	71.89	56.16	13.77	48.44	56.09
Saguaro ST1	110	26.58	21.44	2.37	20.02	23.88	29.85	44.33	45.52	35.83	31.05	14.51	19.42	26.29
Saguaro ST2	100	25.80	21.77	3.28	18.79	23.86	29.71	45.77	46.76	35.18	31.84	6.92	16.63	25.59
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	34.82	30.46	10.36	30.33	32.69	39.58	54.39	55.53	44.28	37.63	15.57	27.29	34.47
Ocotillo CT1	55	33.03	23.91	6.53	18.92	34.24	43.01	61.65	63.90	48.85	43.25	20.25	25.12	35.34
Ocotillo CT2	55	33.83	26.15	5.06	23.94	31.28	41.51	61.07	64.21	47.20	43.78	19.36	24.67	35.27
Saguaro CT1	55	29.32	20.28	3.54	20.57	29.39	38.08	58.05	61.15	44.83	40.40	15.24	21.89	32.01
Saguaro CT2	55	18.71	1.49	2.84	17.76	29.13	38.62	57.48	59.62	44.09	38.79	15.87	21.23	29.02
West Phoenix CT1	55	25.22	18.24	1.99	13.06	25.67	35.45	54.08	58.12	41.26	35.60	10.45	13.15	27.80
West Phoenix CT2	55	25.09	17.49	1.87	12.74	26.93	36.90	55.02	57.85	42.10	35.80	10.92	18.63	28.57
Yucca CT1	19	42.74	30.94	1.59	10.97	26.63	38.74	59.61	64.74	45.94	37.27	22.18	27.97	34.19
Yucca CT2	19	44.40	31.42	1.64	11.61	24.88	38.26	58.85	64.50	45.58	37.10	24.19	29.85	34.43
Yucca CT3	55	42.48	33.82	8.81	32.45	38.36	47.89	69.92	71.80	53.02	47.33	24.68	31.22	41.91
Yucca CT4	54	4.52	3.53	0.12	0.96	2.27	3.64	5.88	6.31	4.29	3.09	1.48	2.89	3.25
Douglas CT	16	6.11	4.56	0.11	1.02	2.62	4.53	7.70	8.08	5.68	3.99	1.77	3.62	4.15
TOTAL CTS	493	27.22	18.71	3.56	16.56	26.30	34.91	52.01	54.65	40.03	35.12	15.03	20.06	28.79
TOTAL APS GAS/OIL	1,274	36.10	30.62	13.23	31.52	37.97	45.04	60.00	61.48	49.51	44.58	24.94	33.36	39.11
Childs/Irving	4	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	72.61	70.12	63.26	63.67	75.15	80.07	84.93	85.40	81.23	69.76	68.47	75.23	74.20
SRP T&C Firm Purch	350	54.20	54.88	35.66	64.53	64.41	72.72	88.91	90.83	74.23	65.36	44.44	47.68	62.73
Pac Exchange	480	(40.00)	(21.43)	-	-	21.94	40.00	40.00	40.00	20.00	(21.94)	(40.00)	(40.00)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONTF	955	0.55	10.00	13.39	24.24	35.06	47.34	53.51	54.24	38.09	14.11	(2.73)	(1.50)	23.88

**APS MONTHLY CAPACITY FACTORS BY UNIT**  
**PHYSICAL CAPABILITY OF UNITS**  
**2003-2012**  
**(%)**

MW RATING	Jan-2007	Feb-2007	Mar-2007	Apr-2007	May-2007	Jun-2007	Jul-2007	Aug-2007	Sep-2007	Oct-2007	Nov-2007	Dec-2007	Tot-2007
Palo Verde 1	362	97.51	97.33	94.16	78.88	97.74	96.54	97.73	97.28	97.82	97.72	97.34	87.58
Palo Verde 2	362	97.54	98.20	96.76	98.08	97.13	97.95	97.41	97.18	97.56	98.85	97.15	97.65
Palo Verde 3	363	97.41	98.03	96.50	97.39	97.23	98.28	96.23	90.73			53.44	77.11
TOTAL NUCLEAR	1,086	97.49	97.85	95.79	64.45	91.39	97.37	97.58	97.14	66.55	66.95	82.62	87.67
Four Corners 1	170	91.97	92.76	91.74	92.43	91.18	91.58	92.48	92.74	92.26	92.15	92.06	91.97
Four Corners 2	170	92.94	29.86	44.40	92.54	92.72	92.02	92.68	93.81	93.52	92.13	93.02	83.78
Four Corners 3	220	89.30	91.11	88.65	91.34	90.79	90.20	90.03	91.36	91.69	91.80	66.16	88.54
Four Corners 4	111	91.36	90.64	91.51	82.44	46.53	91.15	91.48	90.64	90.76	91.71	90.88	86.65
Four Corners 5	111	90.53	89.79	91.21	89.28	89.97	89.81	92.26	90.66	89.04	91.13	89.66	90.28
TOTAL PLANT	782	91.14	77.90	80.47	90.28	84.92	91.14	91.71	91.62	91.61	91.81	91.63	88.23
Cholla 1	110	88.60	90.42	46.77	9.33	92.87	93.54	94.17	94.31	93.95	92.05	91.39	81.49
Cholla 2	245	86.48	87.35	83.82	92.34	90.22	91.65	93.90	93.75	91.33	89.67	88.41	89.69
Cholla 3	260	85.29	87.48	81.80	92.15	90.82	91.84	95.13	95.81	92.90	88.89	88.28	89.80
TOTAL PLANT	615	86.36	87.96	76.34	77.41	90.95	92.07	94.47	94.72	92.46	88.77	88.89	88.27
Navajo 1	105	95.37	95.48	95.22	94.99	93.90	95.87	94.29	95.11	95.80	94.20	95.17	94.99
Navajo 2	105	94.13	94.37	6.05	86.94	94.35	92.80	93.42	94.89	94.57	94.38	93.76	86.01
Navajo 3	105	94.56	95.38	94.92	96.05	95.05	94.95	94.31	95.00	95.21	95.05	95.55	95.09
TOTAL PLANT	315	94.69	95.08	65.39	92.66	94.43	94.54	94.01	95.00	95.19	94.68	94.50	92.03
TOTAL COAL	1,712	90.07	84.67	76.21	86.10	88.83	92.10	93.12	93.36	92.58	91.60	91.17	88.94
West Phoenix CC1	85	56.14	74.61	55.84	77.35	77.43	77.08	87.28	87.22	81.36	77.26	75.06	75.72
West Phoenix CC2	85	32.27	-	63.25	78.34	78.34	76.74	87.02	88.01	80.89	76.03	76.75	62.09
West Phoenix CC3	85	84.51	87.19	73.14	36.99	54.29	83.65	86.94	87.47	83.50	85.15	84.78	78.09
TOTAL CCS	255	57.64	53.93	43.00	59.20	70.02	79.15	87.08	87.57	81.92	79.48	78.86	84.37
Ocotillo ST1	110	55.93	55.78	10.61	62.05	65.76	71.79	88.67	89.86	75.91	65.65	57.10	61.93
Ocotillo ST2	110	56.94	54.74	38.36	62.16	65.68	72.94	89.66	92.28	77.16	66.87	56.56	66.44
Saguaro ST1	110	24.73	21.94	3.05	24.96	29.75	34.13	45.89	47.50	38.34	33.18	25.37	29.95
Saguaro ST2	100	24.36	19.82	9.73	24.03	30.30	34.09	47.12	49.02	38.84	33.57	12.85	28.59
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	33.41	31.47	12.73	35.76	39.47	43.88	55.85	57.34	47.41	41.03	31.52	38.86
Ocotillo CT1	55	31.66	27.54	15.25	26.52	43.70	47.56	65.92	68.58	50.31	46.21	30.45	41.19
Ocotillo CT2	55	30.50	28.98	13.86	32.84	36.30	47.90	63.95	67.13	51.27	44.30	30.97	40.57
Saguaro CT1	55	26.26	21.98	10.14	26.45	38.80	44.83	62.11	64.86	48.24	42.71	26.37	37.34
Saguaro CT2	55	22.69	22.48	10.07	26.46	37.04	44.99	61.28	64.15	47.82	41.14	25.18	36.54
West Phoenix CT1	55	22.76	18.33	8.01	21.47	33.07	41.29	58.20	60.89	45.86	38.25	20.54	33.29
West Phoenix CT2	55	20.72	15.94	6.98	20.43	33.29	42.49	59.50	62.60	45.84	39.15	21.25	33.33
Yucca CT1	19	30.55	33.70	6.42	19.72	34.36	44.69	64.36	70.10	50.64	42.39	38.84	40.27
Yucca CT2	19	38.86	24.26	7.02	20.05	34.51	44.09	63.75	68.84	50.86	40.10	40.68	40.37
Yucca CT3	55	37.56	37.25	18.39	40.38	46.96	53.01	73.19	75.26	58.49	48.82	37.85	47.79
Yucca CT4	54	3.98	3.37	0.60	1.63	3.03	4.31	6.66	6.65	4.88	3.44	3.52	3.98
Douglas CT	16	5.22	4.34	0.52	0.31	2.21	5.38	8.24	8.66	6.34	4.55	4.56	7.23
TOTAL CTS	493	24.72	21.99	9.83	23.43	33.09	40.00	55.49	58.07	43.46	37.24	25.09	33.83
TOTAL APS GAS/OIL	1,274	34.89	32.30	17.66	35.68	43.11	49.44	61.98	63.68	52.79	47.26	38.51	44.18
Childs/Irving	4	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	75.96	72.98	64.28	65.31	76.30	81.32	85.73	86.24	81.95	71.83	69.02	74.07
SRP T&C Firm Purch	350	50.82	55.90	51.49	68.10	71.36	77.12	91.68	92.54	78.51	67.31	58.90	63.61
Pac Exchange	480	(40.00)	(21.43)	-	-	21.94	40.00	40.00	40.00	20.00	(21.94)	(40.00)	(40.00)
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONTI	955	(0.30)	10.76	19.60	25.93	37.95	49.24	54.86	55.19	40.03	15.28	3.23	5.05
													26.43

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APS MONTHLY CAPACITY FACTORS BY UNIT  
 PHYSICAL CAPABILITY OF UNITS  
 2003-2012  
 (%)

MW RATING	Jan-2008	Feb-2008	Mar-2008	Apr-2008	May-2008	Jun-2008	Jul-2008	Aug-2008	Sep-2008	Oct-2008	Nov-2008	Dec-2008	Tot-2008	
Palo Verde 1	362	98.12	96.48	97.92	97.25	97.50	97.99	97.99	96.98	97.45	97.30	91.16	97.60	96.99
Palo Verde 2	362	97.24	97.59	97.67	97.60	90.76	97.21	97.58	97.62	98.29	96.85	98.57	97.05	97.05
Palo Verde 3	363	97.40	97.62	97.22	97.83	97.09	96.85	97.98	97.14	97.35	97.66	97.74	97.41	97.44
TOTAL NUCLEAR	1,086	97.58	97.23	97.61	97.56	95.12	97.52	97.73	97.23	97.47	97.75	95.25	97.86	97.16
Four Corners 1	170	93.09	93.32	92.06	92.78	93.47	92.52	92.85	93.47	92.95	93.36	91.62	93.25	92.88
Four Corners 2	170	92.21	92.34	92.41	92.88	92.11	93.00	92.16	92.33	93.83	92.22	91.62	93.00	92.51
Four Corners 3	220	90.21	88.18	85.56	87.95	90.34	89.79	89.49	88.83	88.84	88.40	88.40	90.09	89.02
Four Corners 4	111	91.17	91.74	89.87	91.29	91.70	90.23	91.35	91.57	89.92	91.08	90.30	91.60	90.99
Four Corners 5	111	91.13	92.39	90.81	91.65	90.28	91.81	89.94	92.43	93.11	89.61	91.75	91.39	91.34
TOTAL PLANT	782	91.54	91.31	89.82	91.07	91.59	91.64	91.17	91.68	91.57	90.99	90.55	91.81	91.23
Cholla 1	110	90.29	86.71	82.57	84.01	91.71	93.97	95.04	94.03	93.80	85.99	84.66	91.22	89.52
Cholla 2	245	88.83	84.25	79.17	81.73	90.28	92.65	93.87	94.45	92.07	83.42	81.77	89.92	87.73
Cholla 3	260	85.37	82.90	76.10	76.58	88.96	92.77	93.33	94.09	93.01	80.89	79.18	88.39	85.99
TOTAL PLANT	615	87.63	84.12	78.48	79.96	89.98	92.94	93.85	94.22	92.78	82.81	81.19	89.50	87.31
Navajo 1	105	94.91	94.77	95.33	95.21	95.08	94.18	95.45	94.23	95.28	95.33	95.37	94.13	94.94
Navajo 2	105	92.75	94.16	94.17	94.92	93.43	94.28	92.88	93.41	94.51	94.71	94.03	94.23	93.95
Navajo 3	105	94.69	94.81	95.12	94.76	95.91	95.11	94.89	94.46	95.13	94.91	95.19	95.39	95.03
TOTAL PLANT	315	94.11	94.58	94.87	94.96	94.80	94.52	94.41	94.04	94.97	94.98	94.86	94.58	94.64
TOTAL COAL	1,712	90.61	89.33	86.67	87.80	91.60	92.64	92.73	93.03	92.63	88.78	87.98	91.49	90.45
West Phoenix CC1	85	76.47	65.53	42.42	50.45	75.72	80.49	86.32	86.83	81.32	65.74	65.74	79.80	71.56
West Phoenix CC2	85	77.46	64.28	42.16	49.55	75.70	80.75	87.54	86.52	81.43	66.98	64.40	80.64	71.52
West Phoenix CC3	85	86.88	77.36	59.70	64.13	84.24	88.09	88.09	86.60	84.21	75.08	75.76	87.73	79.58
TOTAL CC'S	255	80.27	69.06	48.10	54.71	78.56	82.00	87.32	86.65	82.32	69.70	68.63	82.72	74.22
Ocotillo ST1	110	58.04	43.62	21.86	31.27	63.81	75.74	90.19	91.89	78.43	56.25	45.16	58.71	59.69
Ocotillo ST2	110	59.61	41.89	15.92	27.37	63.74	76.36	91.22	92.58	78.57	56.56	45.56	59.01	59.15
Saguaro ST1	110	25.73	15.29	2.81	8.56	30.50	37.23	47.59	49.00	39.18	25.48	15.94	27.17	27.12
Saguaro ST2	100	25.72	14.89	1.58	7.23	30.07	37.12	48.74	50.85	39.62	24.50	13.52	26.44	26.78
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	34.88	23.91	8.79	15.43	38.77	46.65	57.16	58.49	48.56	33.58	24.88	35.33	35.62
Ocotillo CT1	55	31.60	20.56	4.41	10.51	43.11	51.55	70.47	70.93	54.77	35.14	21.16	33.97	37.47
Ocotillo CT2	55	30.86	20.30	3.56	8.99	42.54	52.19	68.73	68.49	54.47	34.27	21.53	33.72	36.75
Saguaro CT1	55	27.48	16.46	2.80	7.01	38.39	49.85	65.00	68.85	50.50	31.61	18.09	29.27	33.90
Saguaro CT2	55	26.24	16.32	2.08	6.58	37.09	49.37	64.95	67.82	50.51	30.73	16.50	28.58	33.18
West Phoenix CT1	55	22.42	13.13	1.34	5.06	34.39	45.98	62.18	65.15	48.39	26.25	11.60	25.23	30.21
West Phoenix CT2	55	23.56	14.37	1.42	5.30	35.02	45.89	62.56	66.39	48.88	27.48	12.60	25.96	30.90
Yucca CT1	19	40.26	24.22	1.20	4.98	35.61	49.67	67.56	72.76	53.31	26.87	24.59	41.91	37.02
Yucca CT2	19	39.81	24.88	1.13	4.73	35.79	50.15	66.71	71.27	53.14	27.58	26.29	43.40	37.18
Yucca CT3	55	37.78	25.92	6.44	13.85	48.06	57.98	73.65	77.90	61.38	40.27	26.61	40.75	42.67
Yucca CT4	54	4.31	2.27	0.09	0.44	3.09	4.71	6.91	8.17	5.13	2.40	1.51	4.66	3.66
Douglas CT	16	5.55	2.91	0.07	0.50	3.91	6.17	8.66	9.37	6.75	2.86	1.85	6.10	4.57
TOTAL CTS	493	26.04	16.41	2.56	6.83	34.30	43.92	58.37	60.92	46.04	27.64	16.48	28.26	30.75
TOTAL APS GAS/OIL	1,274	40.54	30.05	14.25	19.96	45.00	52.67	63.68	65.12	54.34	38.51	30.38	42.08	41.47
Childs/Irving	4	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	78.60	74.68	68.73	70.98	79.70	83.22	86.76	87.20	83.73	77.24	73.65	79.53	78.70
SRP T&C Firm Purch	350	52.29	44.00	33.75	46.50	70.28	79.09	93.66	94.28	81.27	58.79	45.77	57.59	62.79
Pac Exchange	480	(40.00)	(20.69)	-	-	21.94	40.00	40.00	40.00	20.00	(21.94)	(40.00)	(40.00)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONTF	955	0.68	6.89	13.02	17.94	37.80	50.24	55.93	56.17	41.42	12.37	(1.45)	3.17	24.53

APS MONTHLY CAPACITY FACTORS BY UNIT  
PHYSICAL CAPABILITY OF UNITS  
2003-2012  
(%)

2003 MW RATING	Jan-2009	Feb-2009	Mar-2009	Apr-2009	May-2009	Jun-2009	Jul-2009	Aug-2009	Sep-2009	Oct-2009	Nov-2009	Dec-2009	Tot-2009	
Palo Verde 1	362	97.93	97.08	97.96	97.10	97.36	97.97	97.09	97.75	97.48	97.65	97.90	96.54	97.49
Palo Verde 2	362	97.62	97.21	97.54	97.93	96.91	98.15	98.07	97.67	97.26	97.53	91.12	97.33	97.04
Palo Verde 3	363	97.08	97.30	97.35	97.52	91.04	96.78	97.51	97.59	97.17	97.61	97.58	97.24	96.81
TOTAL NUCLEAR	1,086	97.54	97.20	97.62	97.51	95.10	97.63	97.56	97.67	97.31	97.60	95.54	97.04	97.11
Four Corners 1	170	92.42	93.01	93.73	92.52	93.04	93.70	91.71	93.23	93.98	92.75	93.32	92.89	93.02
Four Corners 2	170	91.80	90.51	92.09	91.60	93.11	89.32	92.09	91.86	90.95	92.63	91.25	91.39	91.57
Four Corners 3	220	90.42	90.55	89.11	88.43	91.54	92.13	91.43	90.10	90.87	89.82	89.92	91.20	90.46
Four Corners 4	111	91.25	90.75	90.41	91.53	91.13	90.39	91.43	90.67	91.43	91.23	90.50	91.43	91.01
Four Corners 5	111	89.89	91.82	92.25	91.60	90.61	91.60	90.54	90.10	92.77	92.45	89.08	92.59	91.27
TOTAL PLANT	782	91.20	91.28	91.39	90.90	92.02	91.54	91.51	91.24	91.91	91.64	90.91	91.84	91.45
Cholla 1	110	92.15	90.78	84.56	85.91	92.78	92.75	93.50	93.64	92.63	88.07	86.77	91.51	90.43
Cholla 2	245	90.43	91.24	83.49	84.06	92.61	93.67	94.02	95.31	93.43	87.07	84.90	92.19	90.21
Cholla 3	260	89.75	88.05	80.97	82.27	90.06	94.01	94.41	94.42	93.90	84.48	83.45	90.20	88.84
TOTAL PLANT	615	90.45	89.81	82.62	83.63	91.56	93.65	94.09	94.63	93.49	86.15	84.62	91.23	89.67
Navajo 1	105	94.88	95.07	95.10	95.04	95.19	95.28	93.73	95.70	94.47	95.26	95.27	95.39	95.03
Navajo 2	105	94.50	92.55	93.42	94.64	94.21	94.01	93.70	94.36	93.52	93.22	94.27	94.13	93.89
Navajo 3	105	95.06	95.04	94.77	94.68	95.24	95.26	95.65	95.09	93.86	94.99	95.30	94.98	95.00
TOTAL PLANT	315	94.81	94.22	94.43	94.79	94.88	94.85	94.36	95.05	93.95	94.49	94.95	94.83	94.64
TOTAL COAL	1,712	91.59	91.29	88.80	89.01	92.38	92.91	92.96	93.16	92.85	90.19	89.40	92.17	91.40
West Phoenix CC1	85	81.84	78.50	51.14	57.69	80.60	82.14	85.84	83.86	83.12	71.26	69.89	84.97	75.91
West Phoenix CC2	85	82.35	79.18	50.45	57.17	79.67	82.74	86.54	85.07	82.45	70.59	69.82	84.99	75.92
West Phoenix CC3	85	91.56	86.96	65.53	72.75	84.96	84.93	86.01	86.21	85.69	78.29	79.10	90.60	82.86
TOTAL CC'S	255	85.25	82.21	55.71	62.54	81.74	83.27	86.13	85.05	83.75	73.38	72.94	86.85	78.23
Ocotillo ST1	110	63.05	57.54	29.72	39.82	70.31	80.22	91.11	92.32	82.40	60.65	52.08	65.29	65.46
Ocotillo ST2	110	63.66	56.93	25.45	37.82	70.80	80.58	92.32	92.38	84.04	61.04	52.67	66.63	65.45
Saguaro ST1	110	31.24	22.66	5.83	13.41	34.80	38.73	50.34	51.78	41.81	28.81	20.62	32.56	31.14
Saguaro ST2	100	30.93	22.09	3.33	11.42	34.77	39.28	51.64	52.96	42.91	29.23	18.64	34.07	31.04
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	38.91	32.88	13.39	21.21	43.40	49.20	58.71	59.52	51.71	37.03	29.76	40.88	39.79
Ocotillo CT1	55	37.27	33.50	7.23	16.23	47.42	57.70	70.56	76.42	57.95	42.02	26.44	38.11	42.68
Ocotillo CT2	55	36.60	30.40	6.23	14.12	47.57	57.25	72.08	72.10	56.71	39.42	26.23	38.39	41.55
Saguaro CT1	55	32.17	25.76	4.53	11.80	44.84	54.44	69.11	71.09	55.34	37.11	21.85	34.07	38.64
Saguaro CT2	55	31.30	25.03	3.52	10.49	42.27	52.51	68.53	71.17	54.46	35.77	21.16	32.15	37.49
West Phoenix CT1	55	27.51	19.53	2.09	8.21	38.57	50.72	66.15	69.18	51.66	32.38	16.06	28.80	34.39
West Phoenix CT2	55	28.22	21.21	2.56	8.52	40.08	50.34	65.60	69.51	53.22	34.12	17.37	30.14	35.22
Yucca CT1	19	48.15	35.76	2.16	8.11	41.60	55.00	72.63	74.22	57.65	34.44	32.86	49.96	42.82
Yucca CT2	19	48.64	37.58	1.95	8.05	40.87	54.50	71.40	72.99	57.79	33.68	34.62	49.42	42.71
Yucca CT3	55	45.32	40.10	9.99	19.89	53.83	63.01	78.45	80.00	63.80	45.13	34.24	47.73	48.56
Yucca CT4	54	5.43	3.64	0.14	0.67	3.70	5.09	8.12	9.20	5.71	3.23	2.31	5.89	4.44
Douglas CT	16	6.83	4.73	0.09	0.77	4.74	6.66	9.47	9.87	7.36	3.72	2.94	8.03	5.45
TOTAL CTS	493	31.14	25.19	4.21	10.68	38.83	48.05	61.47	63.84	49.17	32.77	21.17	32.56	35.03
TOTAL APS GAS/OIL	1,274	45.18	39.78	18.31	25.41	49.31	55.57	65.33	66.37	57.14	42.66	35.08	46.86	45.65
Childs/Irving	4	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	80.45	78.54	70.90	73.17	81.37	84.28	87.32	87.77	84.65	79.09	75.80	81.07	80.39
SRP T&C Firm Purch	350	59.03	58.76	40.30	51.88	73.87	83.42	94.85	94.84	84.50	62.29	51.55	64.92	67.96
Pac Exchange	480	(40.00)	(21.43)	-	-	21.94	40.00	40.00	40.00	20.00	(21.94)	(40.00)	(40.00)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONT'	955	3.73	12.60	15.75	20.27	39.47	52.18	56.71	56.70	43.02	14.12	1.21	6.50	26.89

APS MONTHLY CAPACITY FACTORS BY UNIT  
PHYSICAL CAPABILITY OF UNITS  
2003-2012  
(%)

2003 MW RATING	Jan-2010	Feb-2010	Mar-2010	Apr-2010	May-2010	Jun-2010	Jul-2010	Aug-2010	Sep-2010	Oct-2010	Nov-2010	Dec-2010	Tot-2010
Palo Verde 1	362	98.08	97.62	97.75	96.90	90.98	97.04	97.22	98.48	97.33	97.36	98.10	97.02
Palo Verde 2	362	97.25	97.87	97.48	98.07	97.42	97.45	98.03	97.07	97.75	98.22	97.83	97.62
Palo Verde 3	363	96.91	97.89	96.97	97.45	97.31	97.76	97.37	96.86	97.84	90.03	98.03	96.84
TOTAL NUCLEAR	1,086	97.41	97.79	97.40	97.47	95.24	97.42	97.54	97.47	97.63	97.42	95.20	97.16
Four Corners 1	170	92.26	90.61	91.75	93.23	91.84	92.59	92.58	90.97	91.68	92.45	92.48	92.10
Four Corners 2	170	92.78	92.57	92.21	92.20	94.09	93.13	92.10	92.86	92.90	92.25	92.80	92.70
Four Corners 3	220	91.51	90.46	90.31	90.39	90.65	91.27	91.72	91.06	90.56	91.04	89.48	91.33
Four Corners 4	111	90.49	90.16	92.26	90.35	90.51	91.55	91.01	90.75	90.35	91.48	91.14	90.89
Four Corners 5	111	91.05	89.72	92.11	91.83	90.89	90.28	91.93	89.67	90.59	91.46	92.96	91.00
TOTAL PLANT	782	91.74	90.80	91.57	91.60	91.67	91.86	91.92	91.19	91.29	91.73	91.58	91.54
Cholla 1	110	93.18	94.04	87.72	90.37	93.03	94.59	94.37	94.26	95.17	89.65	89.17	94.25
Cholla 2	245	91.90	90.68	85.54	86.61	92.03	93.06	93.80	92.97	93.45	86.29	86.68	91.63
Cholla 3	260	92.46	90.49	82.86	85.86	94.72	93.08	94.81	95.52	86.91	87.16	93.23	90.95
TOTAL PLANT	615	92.37	91.20	84.79	86.96	93.35	93.34	94.33	94.28	94.08	87.95	87.33	92.77
Navajo 1	105	94.23	94.41	95.44	94.80	95.08	95.51	95.17	93.47	95.38	94.88	95.11	95.47
Navajo 2	105	94.17	94.26	92.96	93.38	94.68	94.31	94.49	93.79	94.08	92.71	93.73	94.70
Navajo 3	105	95.34	95.76	94.15	94.61	94.95	95.30	95.50	95.18	95.03	94.86	94.45	95.02
TOTAL PLANT	315	94.58	94.81	94.18	94.26	94.90	95.04	95.05	94.15	94.83	94.15	94.43	95.12
TOTAL COAL	1,712	92.49	91.68	89.62	90.42	92.87	92.98	93.36	92.85	92.94	90.82	90.58	92.62
West Phoenix CC1	85	85.98	84.04	58.49	63.25	83.58	83.86	85.83	83.04	85.21	74.86	76.79	86.16
West Phoenix CC2	85	88.24	82.67	58.54	63.32	83.34	84.00	85.47	84.27	84.98	75.41	75.88	89.32
West Phoenix CC3	85	92.42	91.94	74.78	77.37	88.53	84.64	85.61	84.39	87.18	82.63	83.67	93.48
TOTAL CCS	255	88.88	86.22	63.94	67.98	85.15	84.17	85.64	83.90	85.79	77.63	78.78	90.32
Ocotillo ST1	110	68.60	64.20	39.59	47.44	74.39	83.35	92.07	92.82	85.34	65.40	57.21	70.13
Ocotillo ST2	110	69.45	63.92	35.92	45.67	75.44	84.87	93.19	92.79	85.99	65.92	57.78	73.82
Saguaro ST1	110	36.48	29.98	8.61	17.75	36.90	43.18	54.51	60.23	44.47	31.61	24.33	37.42
Saguaro ST2	100	38.00	32.33	5.85	15.82	37.53	44.54	57.09	62.81	44.40	32.40	22.97	40.15
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL STEAM	526	43.72	39.21	18.70	26.19	46.19	52.68	60.99	63.35	53.57	40.23	33.50	45.60
Ocotillo CT1	55	41.52	33.68	14.76	21.77	52.84	59.67	70.71	72.64	61.85	43.48	34.99	41.47
Ocotillo CT2	55	40.89	33.99	12.34	19.51	52.42	59.99	68.86	64.29	60.54	43.72	32.04	42.39
Saguaro CT1	55	35.99	27.80	9.65	16.68	48.88	57.31	70.16	69.94	57.53	40.71	27.90	36.52
Saguaro CT2	55	35.37	27.99	8.35	14.26	47.21	56.67	67.74	68.26	58.82	38.91	27.51	35.16
West Phoenix CT1	55	30.89	23.53	5.53	11.83	43.28	53.27	68.54	69.18	54.30	36.67	22.17	31.23
West Phoenix CT2	55	31.67	23.91	5.91	12.42	44.36	54.59	68.20	66.48	55.05	38.01	24.75	32.45
Yucca CT1	19	54.25	42.12	5.25	11.94	45.88	60.00	71.06	67.85	59.45	43.52	55.03	46.30
Yucca CT2	19	54.67	44.00	5.00	11.35	44.90	59.68	67.89	64.50	60.17	37.63	45.08	45.82
Yucca CT3	55	50.34	43.18	18.12	25.78	58.62	67.99	80.76	81.58	66.76	48.10	40.86	53.07
Yucca CT4	54	6.37	4.55	0.39	0.98	4.12	5.87	11.92	14.63	6.06	4.28	3.42	6.75
Douglas CT	16	8.56	5.99	0.31	1.16	5.23	7.35	10.20	10.56	7.61	4.41	4.44	9.05
TOTAL CTS	493	34.92	27.89	8.78	14.68	42.90	51.18	62.21	61.98	51.80	35.86	27.39	35.67
TOTAL APS GAS/OIL	1,274	49.36	44.24	23.92	30.10	52.71	58.42	66.67	67.27	59.34	46.02	40.20	50.71
Childs/Irving	4	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS GENERATION	4,076	82.09	80.26	72.93	75.23	82.68	85.13	87.91	87.86	85.47	80.35	77.80	82.74
SRP T&C Firm Purch	350	64.83	64.33	48.03	57.55	76.84	86.42	95.64	95.21	87.22	66.48	57.04	70.55
Pac Exchange	480	(40.00)	(21.43)	-	-	21.94	40.00	40.00	40.00	20.00	(21.94)	(40.00)	(40.00)
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL APS PURCH CONF	955	6.46	15.17	19.00	22.77	40.91	53.63	57.32	57.15	44.44	16.18	3.81	9.22

**APS MONTHLY CAPACITY FACTORS BY UNIT  
PHYSICAL CAPABILITY OF UNITS  
2003-2012  
(%)**

MW RATING	2003													
	Jan-2011	Feb-2011	Mar-2011	Apr-2011	May-2011	Jun-2011	Jul-2011	Aug-2011	Sep-2011	Oct-2011	Nov-2011	Dec-2011	Tot-2011	
Palo Verde 1	362	97.03	97.43	97.63	98.07	96.80	97.77	97.40	98.32	97.10	97.55	90.92	97.32	96.95
Palo Verde 2	362	96.99	98.21	97.64	97.35	90.56	98.52	96.86	98.06	97.34	97.89	97.28	97.69	97.02
Palo Verde 3	363	97.35	96.82	97.67	97.34	97.29	97.50	97.84	97.68	97.19	97.01	96.98	97.66	97.37
<b>TOTAL NUCLEAR</b>	1,086	97.12	97.49	97.65	97.59	94.89	97.93	97.37	98.02	97.21	97.49	95.06	97.56	97.11
Four Corners 1	170	92.76	93.61	92.11	92.99	93.38	92.85	93.77	93.29	93.13	92.35	93.17	93.53	93.07
Four Corners 2	170	93.28	92.61	93.12	91.95	92.34	93.54	92.97	92.81	92.93	92.31	92.25	93.34	92.79
Four Corners 3	220	90.18	89.93	89.34	90.03	89.94	89.86	89.86	90.29	90.52	89.11	90.55	89.46	89.92
Four Corners 4	111	91.09	91.11	90.63	91.21	91.40	90.51	91.54	90.80	90.39	90.64	91.37	91.10	90.98
Four Corners 5	111	91.58	90.80	90.22	91.12	92.44	91.87	89.71	91.11	91.05	90.41	91.60	91.65	91.13
<b>TOTAL PLANT</b>	782	91.74	91.60	91.07	91.42	91.77	91.69	91.60	91.68	91.67	90.91	91.75	91.73	91.55
Cholla 1	110	93.14	94.33	90.58	91.55	94.67	93.99	94.39	94.72	94.20	92.25	91.45	94.07	92.28
Cholla 2	245	92.39	92.82	87.68	89.82	93.39	94.22	93.13	94.01	93.90	89.78	89.72	93.57	92.03
Cholla 3	260	91.68	91.45	84.87	87.76	93.35	94.80	93.37	93.79	94.31	87.50	87.64	93.84	91.20
<b>TOTAL PLANT</b>	615	92.22	92.51	87.01	89.26	93.60	94.42	93.46	94.04	94.13	89.26	89.15	93.78	91.90
Navajo 1	105	95.33	94.86	94.21	95.86	94.15	94.73	95.77	95.53	93.96	94.89	94.68	95.00	94.92
Navajo 2	105	94.80	94.26	93.19	93.31	93.21	94.95	93.97	94.36	94.14	94.24	92.36	94.32	93.93
Navajo 3	105	94.78	95.54	95.80	94.80	93.99	95.10	95.47	95.41	95.02	95.19	94.59	95.17	95.07
<b>TOTAL PLANT</b>	315	94.97	94.89	94.40	94.66	93.78	94.93	95.07	95.10	94.37	94.77	93.88	94.83	94.64
<b>TOTAL COAL</b>	1,712	92.51	92.53	90.22	91.24	92.80	93.27	92.91	93.16	93.05	91.03	91.21	93.04	92.24
West Phoenix CC1	85	92.21	86.97	64.43	69.54	86.24	83.78	86.25	85.74	84.31	80.01	78.55	92.62	82.56
West Phoenix CC2	85	89.47	86.46	65.16	69.40	85.94	84.57	85.33	85.69	85.88	78.95	79.51	92.93	82.59
West Phoenix CC3	85	94.33	92.68	79.58	81.20	89.60	84.81	84.43	86.22	85.72	86.34	88.01	95.22	87.33
<b>TOTAL CC'S</b>	255	92.00	89.37	69.72	73.38	87.26	84.39	85.34	85.88	85.30	81.77	82.02	93.59	84.16
Ocotillo ST1	110	72.70	69.52	45.68	54.28	78.59	85.48	93.25	92.62	87.55	68.12	62.83	74.72	73.83
Ocotillo ST2	110	73.96	69.65	44.58	55.36	79.24	86.98	94.10	93.22	88.76	69.60	62.68	76.81	74.63
Saguaro ST1	110	40.67	34.40	13.54	21.96	40.13	44.99	58.96	63.49	45.56	34.05	29.35	42.25	39.19
Saguaro ST2	100	43.25	36.05	10.00	19.40	41.36	45.67	61.15	66.18	45.67	35.88	30.09	43.58	39.94
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL STEAM</b>	526	47.40	43.15	23.61	31.21	49.26	54.16	63.14	64.72	55.08	42.74	38.11	48.81	46.84
Ocotillo CT1	55	45.56	41.20	19.63	26.87	57.10	64.04	72.57	73.07	63.85	47.59	37.28	47.39	49.77
Ocotillo CT2	55	43.96	40.46	18.33	24.52	57.16	62.03	69.35	64.06	64.07	47.46	35.82	46.77	47.91
Saguaro CT1	55	41.25	32.92	15.56	21.17	54.16	59.72	69.64	70.29	61.14	45.01	30.84	41.51	45.39
Saguaro CT2	55	38.21	32.72	13.12	19.28	53.67	59.05	66.89	67.15	59.94	44.66	30.08	41.26	43.95
West Phoenix CT1	55	35.12	27.35	9.42	15.50	49.73	56.82	68.41	69.99	58.08	40.09	25.56	35.82	41.12
West Phoenix CT2	55	35.71	28.44	10.08	16.61	50.59	56.36	68.76	68.15	57.34	40.96	27.19	38.23	41.83
Yucca CT1	19	60.03	54.13	8.60	15.11	52.28	62.37	66.25	65.65	64.35	43.55	47.71	61.80	50.15
Yucca CT2	19	59.74	55.68	8.47	14.44	51.62	62.57	64.52	56.48	64.68	44.22	48.67	61.83	49.38
Yucca CT3	55	56.51	51.37	24.31	31.40	61.03	70.28	84.69	83.61	70.06	50.90	44.82	58.18	57.35
Yucca CT4	54	7.61	5.35	0.65	1.26	4.62	6.28	13.42	15.98	6.07	6.07	4.73	7.82	6.69
Douglas CT	16	10.00	7.23	1.45	5.95	7.95	10.64	11.01	8.08	4.96	6.02	10.20	7.02	7.02
<b>TOTAL CTS</b>	493	38.83	33.44	13.07	18.66	47.48	53.77	62.67	62.18	54.37	39.54	30.26	40.44	41.31
<b>TOTAL APS GAS/OIL</b>	1,274	53.01	48.65	28.76	34.79	56.18	60.08	67.61	68.36	60.86	49.31	43.86	54.54	52.22
Childs/Irving	4	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL APS GENERATION</b>	4,076	83.16	81.91	74.77	77.07	83.63	85.92	87.96	88.49	85.87	81.49	79.17	83.98	82.80
SRP T&C Firm Purch	350	69.12	67.67	52.87	62.17	80.01	88.40	96.25	95.95	89.43	68.68	62.56	74.97	75.14
Pac Exchange	480	(40.00)	(21.43)	-	-	21.94	40.00	40.00	40.00	20.00	(21.94)	(40.00)	(40.00)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL APS PURCH CONTT</b>	955	8.65	16.90	21.17	24.89	42.47	54.72	57.91	57.79	45.71	17.52	6.52	11.55	30.48

**APS MONTHLY CAPACITY FACTORS BY UNIT  
PHYSICAL CAPABILITY OF UNITS  
2003-2012  
(%)**

2003 MW RATING	Jan-2012	Feb-2012	Mar-2012	Apr-2012	May-2012	Jun-2012	Jul-2012	Aug-2012	Sep-2012	Oct-2012	Nov-2012	Dec-2012	Tot-2012	
Palo Verde 1	362	96.78	97.91	97.66	97.31	97.55	98.34	96.49	98.10	97.11	97.36	98.48	97.23	97.52
Palo Verde 2	362	97.68	97.32	97.63	97.76	97.94	97.38	97.99	97.78	97.30	97.86	91.16	96.98	97.07
Palo Verde 3	363	97.66	97.90	96.94	97.32	91.58	97.07	97.36	97.33	98.35	96.71	97.12	97.05	96.85
<b>TOTAL NUCLEAR</b>	<b>1,086</b>	<b>97.37</b>	<b>97.71</b>	<b>97.41</b>	<b>97.46</b>	<b>95.69</b>	<b>97.59</b>	<b>97.28</b>	<b>97.73</b>	<b>97.59</b>	<b>97.31</b>	<b>95.59</b>	<b>97.09</b>	<b>97.15</b>
Four Corners 1	170	93.30	92.79	94.13	91.35	92.95	93.32	93.65	93.76	92.85	93.17	92.02	93.49	93.07
Four Corners 2	170	91.54	91.89	90.60	93.19	90.31	91.59	93.08	91.43	91.05	92.30	92.41	90.00	91.61
Four Corners 3	220	90.50	91.04	90.88	91.78	91.21	90.66	90.50	90.54	91.19	92.30	90.18	91.01	90.98
Four Corners 4	111	90.35	91.39	91.03	91.38	91.75	89.86	91.39	91.52	90.74	90.32	90.01	91.72	90.96
Four Corners 5	111	90.64	91.02	90.51	91.44	90.34	91.82	92.17	90.27	90.81	91.24	90.71	91.13	91.01
<b>TOTAL PLANT</b>	<b>782</b>	<b>91.33</b>	<b>91.65</b>	<b>91.49</b>	<b>91.89</b>	<b>91.35</b>	<b>91.49</b>	<b>92.11</b>	<b>91.54</b>	<b>91.40</b>	<b>92.06</b>	<b>91.12</b>	<b>91.45</b>	<b>91.57</b>
Cholla 1	110	93.03	92.54	91.03	92.21	93.79	93.95	93.19	93.76	92.69	91.14	92.46	93.30	92.76
Cholla 2	245	93.48	92.61	90.92	91.44	93.87	95.06	94.25	94.09	94.56	91.02	91.04	94.58	93.08
Cholla 3	260	93.88	91.05	88.22	90.05	93.91	94.82	94.85	94.54	94.03	89.86	89.92	93.47	92.39
<b>TOTAL PLANT</b>	<b>615</b>	<b>93.57</b>	<b>91.94</b>	<b>89.80</b>	<b>90.99</b>	<b>93.87</b>	<b>94.76</b>	<b>94.31</b>	<b>94.22</b>	<b>94.00</b>	<b>90.55</b>	<b>90.82</b>	<b>93.88</b>	<b>92.73</b>
Navajo 1	105	95.27	95.28	95.49	93.92	95.39	94.39	94.88	95.43	94.92	94.69	94.86	95.30	94.99
Navajo 2	105	94.41	93.44	94.71	93.46	93.75	93.16	94.64	94.22	93.71	94.34	94.80	92.57	93.94
Navajo 3	105	94.59	94.86	95.76	95.04	94.88	94.41	94.96	94.98	95.34	95.43	94.99	95.22	95.04
<b>TOTAL PLANT</b>	<b>315</b>	<b>94.76</b>	<b>94.53</b>	<b>95.32</b>	<b>94.14</b>	<b>94.68</b>	<b>93.99</b>	<b>94.82</b>	<b>94.86</b>	<b>94.86</b>	<b>94.82</b>	<b>94.88</b>	<b>94.36</b>	<b>94.66</b>
<b>TOTAL COAL</b>	<b>1,712</b>	<b>92.77</b>	<b>92.28</b>	<b>91.59</b>	<b>91.98</b>	<b>92.87</b>	<b>93.13</b>	<b>93.40</b>	<b>93.11</b>	<b>92.94</b>	<b>92.02</b>	<b>91.70</b>	<b>92.86</b>	<b>92.56</b>
West Phoenix CC1	85	94.61	86.62	70.18	73.05	88.05	85.21	85.66	84.83	85.54	81.38	81.62	93.81	84.23
West Phoenix CC2	85	93.46	85.55	71.48	73.98	88.02	85.14	85.03	84.88	85.24	81.28	82.37	94.68	84.28
West Phoenix CC3	85	95.73	91.45	82.04	83.72	90.76	85.45	84.81	85.09	86.06	85.90	91.11	96.57	88.22
<b>TOTAL CCS</b>	<b>255</b>	<b>94.60</b>	<b>87.87</b>	<b>74.56</b>	<b>76.91</b>	<b>88.94</b>	<b>85.27</b>	<b>85.17</b>	<b>84.94</b>	<b>82.85</b>	<b>85.03</b>	<b>85.03</b>	<b>95.02</b>	<b>85.58</b>
Ocotillo ST1	110	76.93	67.08	52.43	59.78	81.29	87.52	93.56	93.71	87.38	71.11	64.35	78.46	76.20
Ocotillo ST2	110	78.83	68.52	52.96	59.25	82.30	89.18	93.60	94.84	88.55	72.00	66.20	80.36	77.28
Saguaro ST1	110	44.08	33.63	16.83	24.03	42.44	46.70	66.19	62.13	47.14	36.00	35.02	44.37	41.65
Saguaro ST2	100	46.72	35.71	13.45	23.52	43.52	47.07	69.11	65.71	48.27	37.38	35.92	46.99	42.86
West Phoenix ST4	33	-	-	-	-	-	-	-	-	-	-	-	-	-
West Phoenix ST6	63	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL STEAM</b>	<b>526</b>	<b>50.67</b>	<b>42.18</b>	<b>28.12</b>	<b>34.39</b>	<b>51.36</b>	<b>55.67</b>	<b>66.12</b>	<b>64.92</b>	<b>55.83</b>	<b>44.63</b>	<b>41.45</b>	<b>51.42</b>	<b>48.96</b>
Ocotillo CT1	55	48.89	39.74	25.11	33.84	60.88	65.33	71.57	72.37	65.24	51.38	38.55	52.82	52.23
Ocotillo CT2	55	49.58	37.77	22.44	32.69	59.77	63.24	54.20	65.93	65.87	51.60	37.88	50.86	49.38
Saguaro CT1	55	44.57	33.42	19.52	28.18	56.22	61.52	66.56	71.42	64.05	48.50	33.51	46.82	47.95
Saguaro CT2	55	43.20	31.17	17.14	26.01	56.72	61.42	65.42	70.54	61.80	48.28	32.36	45.59	46.73
West Phoenix CT1	55	37.62	27.52	12.65	20.83	53.75	58.79	67.61	70.27	59.46	45.22	29.03	41.28	43.77
West Phoenix CT2	55	39.30	28.35	13.84	21.70	54.00	59.80	64.88	68.93	60.53	43.91	29.11	43.77	44.11
Yucca CT1	19	64.05	52.15	11.64	19.82	55.32	65.24	60.77	71.10	67.99	48.49	49.17	67.25	52.78
Yucca CT2	19	64.83	52.61	11.25	20.05	55.75	64.40	58.04	61.73	66.36	48.84	50.65	66.81	51.79
Yucca CT3	55	61.88	49.69	31.67	38.78	64.37	70.74	84.71	85.32	73.38	54.56	47.33	61.96	60.46
Yucca CT4	54	8.23	5.24	0.83	1.73	5.04	6.97	20.33	14.26	6.90	8.48	6.11	9.15	7.81
Douglas CT	16	11.18	6.98	0.81	1.96	6.49	8.40	11.49	11.04	8.58	5.68	7.46	11.85	7.67
<b>TOTAL CTS</b>	<b>493</b>	<b>42.49</b>	<b>32.47</b>	<b>16.88</b>	<b>24.33</b>	<b>50.30</b>	<b>55.21</b>	<b>60.16</b>	<b>63.35</b>	<b>56.45</b>	<b>43.18</b>	<b>32.40</b>	<b>44.83</b>	<b>43.58</b>
<b>TOTAL APS GAS/OIL</b>	<b>1,274</b>	<b>56.30</b>	<b>47.57</b>	<b>33.07</b>	<b>39.01</b>	<b>58.47</b>	<b>61.44</b>	<b>68.31</b>	<b>68.66</b>	<b>62.06</b>	<b>51.72</b>	<b>46.67</b>	<b>57.60</b>	<b>54.30</b>
Childs/Irving	4	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL APS GENERATION</b>	<b>4,076</b>	<b>84.37</b>	<b>81.53</b>	<b>76.62</b>	<b>78.66</b>	<b>84.61</b>	<b>86.19</b>	<b>88.36</b>	<b>88.48</b>	<b>86.30</b>	<b>82.61</b>	<b>80.40</b>	<b>84.73</b>	<b>83.59</b>
SRP T&C Firm Purch	350	73.20	65.63	56.65	65.85	82.98	90.13	96.58	96.21	91.01	72.21	66.12	78.95	77.41
Pac Exchange	480	(40.00)	(20.69)	-	-	21.94	40.00	40.00	40.00	20.00	(21.94)	(40.00)	(40.00)	-
Hedged Forward Purch	125	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL APS PURCH CONT</b>	<b>955</b>	<b>10.84</b>	<b>16.87</b>	<b>22.98</b>	<b>26.71</b>	<b>44.01</b>	<b>55.73</b>	<b>58.38</b>	<b>58.23</b>	<b>46.74</b>	<b>19.42</b>	<b>8.47</b>	<b>13.75</b>	<b>31.81</b>

**Historical and Projected Capacity Factors For Long Term Purchase Power Contracts**

<u>SRP Territorial and Contingent Purchase</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
1991	8.9%	10.0%	36.4%	51.9%	37.8%	24.0%	39.7%	52.1%	44.4%	34.5%	25.8%	19.8%
1992	34.4%	24.9%	28.4%	41.2%	39.9%	23.8%	35.5%	40.7%	34.1%	17.0%	19.0%	21.4%
1993	20.0%	27.0%	35.5%	20.8%	20.0%	29.2%	43.7%	52.3%	32.2%	34.1%	31.1%	32.2%
1994	22.0%	26.0%	29.6%	25.0%	35.8%	37.8%	44.8%	55.2%	39.5%	20.6%	22.2%	33.0%
1995	35.3%	19.7%	25.2%	27.3%	13.8%	14.0%	40.5%	54.2%	29.7%	12.0%	8.5%	11.1%
1996	10.7%	11.1%	12.4%	13.3%	16.6%	24.9%	42.1%	46.7%	20.9%	31.4%	9.6%	14.1%
1997	10.7%	10.0%	17.8%	12.9%	36.8%	20.1%	35.7%	35.7%	47.4%	25.0%	6.8%	24.5%
1998	17.1%	29.3%	18.4%	20.8%	8.8%	23.2%	61.0%	61.3%	47.8%	50.0%	35.2%	42.1%
1999	31.4%	27.7%	31.4%	49.5%	35.3%	43.3%	51.2%	51.7%	32.1%	47.1%	34.6%	32.6%
2000	36.7%	36.4%	24.7%	34.1%	53.4%	59.3%	69.1%	62.6%	46.6%	35.0%	66.1%	70.0%
2001	56.7%	71.4%	82.1%	81.8%	66.8%	49.2%	52.0%	73.1%	64.0%	55.0%	26.2%	34.1%
2003	31.4%	37.9%	26.3%	59.5%	53.0%	59.2%	74.8%	77.0%	63.8%	56.5%	44.5%	38.9%
2004	39.7%	39.3%	21.6%	55.0%	58.5%	64.6%	82.3%	84.6%	69.3%	55.7%	33.4%	39.3%
2005	45.9%	49.6%	35.8%	70.2%	66.7%	69.3%	86.7%	88.7%	72.4%	62.9%	50.8%	52.6%
2006	54.2%	54.9%	35.7%	64.5%	64.4%	72.7%	88.9%	90.8%	74.2%	65.4%	44.4%	47.7%
2007	50.8%	55.9%	51.5%	68.1%	71.4%	77.1%	91.7%	92.5%	78.5%	67.3%	58.9%	63.6%
2008	52.3%	44.0%	33.8%	46.5%	70.3%	79.1%	93.7%	94.3%	81.3%	58.8%	45.8%	57.6%
2009	59.0%	58.8%	40.3%	51.9%	73.9%	83.4%	94.9%	94.8%	84.5%	62.3%	51.5%	64.9%
2010	64.8%	64.3%	48.0%	57.6%	76.8%	86.4%	95.6%	95.2%	87.2%	66.5%	57.0%	70.6%
2011	69.1%	67.7%	52.9%	62.2%	80.0%	88.4%	96.2%	95.9%	89.4%	68.7%	62.6%	75.0%
2012	73.2%	65.6%	56.6%	65.8%	83.0%	90.1%	96.6%	96.2%	91.0%	72.2%	66.1%	78.9%

Pacificorp Diversity Exchange

	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
1998	0.0%	0.0%	0.0%	0.0%	8.2%	17.3%	22.9%	20.7%	11.6%	0.0%	0.0%	0.0%
1999	0.0%	0.0%	0.0%	0.0%	22.0%	40.3%	40.0%	40.0%	20.0%	0.0%	0.0%	0.0%
2000	0.0%	0.0%	0.0%	0.0%	21.9%	40.0%	40.0%	10.3%	0.0%	0.0%	0.0%	0.0%
2001	0.0%	0.0%	0.0%	0.0%	21.9%	40.0%	40.0%	40.0%	20.0%	0.0%	0.0%	0.0%
2003	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%
2004	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%
2005	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%
2006	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%
2007	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%
2008	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%
2009	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%
2010	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%
2011	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%
2012	0.0%	0.0%	0.0%	0.0%	43.9%	40.0%	40.0%	40.0%	40.0%	0.0%	0.0%	0.0%

**APS MONTHLY GENERATION BY RESOURCE TYPE  
WITH CURRENT FORWARD MARKET PRICES AND ECONOMIC PURCHASES**

2003 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	793,224	714,121	784,821	507,829	754,466	761,867	789,820	787,767	728,789	525,841	506,729	698,230
Coal	1,080,669	847,834	866,556	900,247	1,053,607	1,080,041	1,141,331	1,141,047	1,102,318	1,079,986	1,043,192	1,050,109	12,386,935
APS Steam	18,088	8,323	3,001	17,870	32,971	48,748	88,474	99,779	49,712	32,145	14,498	18,516	432,124
APS CC	83,256	65,892	49,023	54,511	84,552	81,286	110,343	110,504	86,463	56,437	62,074	79,449	923,789
APT CT Gas	1,713	715	938	1,982	7,334	12,075	54,169	71,997	15,503	3,622	2,572	3,497	176,117
APS CT Oil	2	0	0	0	23	15	350	614	32	7	4	1	1,048
Solar/Hydro	8,236	7,462	8,356	8,427	8,765	8,523	8,654	8,625	7,517	3,287	6,423	8,141	92,416
SRP T&C	13,774	14,082	9,262	15,299	62,155	80,070	132,749	137,790	74,011	41,514	19,351	28,959	629,024
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market <sup>1)</sup>	171,788	237,587	138,949	375,500	244,434	315,291	482,346	540,436	459,835	382,064	264,029	298,211	3,920,470
_year	2,027,902	1,826,905	1,840,905	1,881,666	2,326,641	2,526,156	2,961,084	3,041,406	2,593,299	2,046,567	1,780,630	2,042,264	26,895,427

<sup>1)</sup> Note: Market purchases in 2003 include 215 GWh of forward purchases transacted prior to September 1, 2002 (primarily executed in March 2000).

2004 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	807,173	755,028	807,691	541,987	734,198	780,286	805,017	806,362	777,862	552,435	722,531	810,226
Coal	1,054,374	880,272	946,404	989,404	1,069,890	1,098,425	1,144,674	1,152,232	1,103,785	1,134,687	1,042,942	1,110,591	12,727,682
APS Steam	26,202	9,036	2,866	20,473	42,288	55,793	102,587	109,626	65,623	32,028	18,008	33,471	518,002
APS CC	83,045	58,013	50,775	63,556	84,644	90,051	115,327	119,289	92,918	82,157	75,748	100,433	1,015,954
APT CT Gas	2,111	1,035	717	2,592	6,711	22,535	70,118	82,433	26,103	10,323	2,603	4,417	231,697
APS CT Oil	2	0	0	3	17	54	562	753	88	28	2	6	1,516
Solar/Hydro	9,953	9,471	10,402	10,321	10,790	10,517	10,765	10,702	8,854	3,538	8,203	9,890	113,405
SRP T&C	24,083	23,761	13,318	29,433	66,927	105,131	146,581	153,002	94,455	52,523	21,800	36,238	767,253
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	262,662	254,925	100,612	313,875	349,769	357,477	581,534	635,188	480,742	372,562	128,870	195,031	4,033,246
_year	2,126,756	1,922,423	1,932,784	1,971,646	2,443,569	2,658,508	3,120,014	3,212,437	2,719,549	2,161,944	1,882,466	2,157,456	28,309,551

2005 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	802,570	727,741	808,809	517,303	733,368	779,182	806,043	808,019	779,238	545,870	526,069	678,613
Coal	1,030,993	842,180	913,544	890,338	957,935	1,039,609	1,054,683	1,078,682	865,546	946,383	828,751	1,025,294	11,473,939
APS Steam	34,302	22,989	8,607	17,284	47,107	63,138	87,517	77,860	61,640	50,934	36,353	44,599	552,329
APS CC	62,983	46,452	38,366	73,829	71,467	91,200	94,905	95,804	70,995	64,207	87,316	96,924	894,449
APT CT Gas	3,499	6,287	1,676	3,516	37,366	22,540	65,896	54,492	47,659	31,619	29,101	30,049	333,702
APS CT Oil	3	13	1	4	322	101	580	395	435	205	198	338	2,596
Solar/Hydro	9,182	8,657	9,887	9,971	10,494	10,175	10,235	10,107	9,801	1,272	5,510	9,281	104,572
SRP T&C	27,807	31,118	14,035	45,881	69,585	83,508	132,256	117,128	96,207	83,940	75,598	64,002	841,067
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	397,052	381,612	212,696	487,368	534,239	537,691	837,468	944,543	798,246	602,907	521,411	439,840	6,695,074
_year	2,225,544	1,997,929	2,007,621	2,045,496	2,540,220	2,765,385	3,232,431	3,329,879	2,798,887	2,249,002	1,972,067	2,246,092	29,410,552

**APS MONTHLY GENERATION BY RESOURCE TYPE  
WITH CURRENT FORWARD MARKET PRICES AND ECONOMIC PURCHASES**

2006 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	826,549	749,176	823,297	543,421	767,871	801,313	821,542	826,009	792,889	544,873	751,830	825,723
Coal	941,276	832,822	841,148	904,723	967,586	1,049,357	1,129,043	1,087,276	1,062,243	1,000,021	965,976	1,087,160	11,868,633
APS Steam	35,527	27,461	29,202	28,670	45,023	61,387	82,217	72,984	57,206	48,200	23,688	41,546	553,110
APS CC	63,180	54,554	51,445	66,871	67,842	90,380	102,067	103,673	77,987	84,608	83,815	97,095	943,518
APT CT Gas	6,401	2,917	11,844	14,769	33,335	20,927	50,504	46,228	33,071	22,209	13,373	13,715	269,290
APS CT Oil	1	1	10	37	309	75	336	268	225	113	23	138	1,540
Solar/Hydro	11,244	10,421	11,852	11,945	12,849	12,387	12,534	12,417	11,424	1,632	7,001	11,017	126,724
SRP T&C	39,714	27,095	40,712	71,141	54,717	83,485	122,954	88,650	90,277	96,202	69,667	52,445	837,065
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	534,490	443,640	262,619	477,401	610,831	621,701	914,800	1,102,651	721,846	618,884	273,626	365,285	6,947,775
<u>Year</u>	2,315,534	2,078,966	2,072,128	2,118,979	2,638,700	2,879,252	3,378,844	3,483,005	2,916,289	2,338,412	2,050,761	2,351,277	30,622,147

2007 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	825,617	748,482	811,256	528,231	773,992	798,001	826,375	822,673	779,892	563,572	548,733	715,644
Coal	1,067,483	872,114	873,416	979,521	981,409	1,030,097	1,092,369	1,123,696	1,016,815	1,033,695	1,014,354	1,015,737	12,100,706
APS Steam	36,068	30,329	17,111	17,297	47,216	59,717	83,854	92,972	59,552	37,982	31,095	38,820	552,013
APS CC	67,538	50,674	45,704	56,113	53,351	87,414	100,343	109,831	74,655	72,199	86,873	94,592	899,287
APT CT Gas	5,094	2,587	2,932	3,595	34,739	20,924	53,791	66,002	33,080	14,735	7,824	12,326	257,629
APS CT Oil	6	1	2	3	198	85	349	486	238	68	5	61	1,502
Solar/Hydro	12,971	12,001	13,817	13,937	14,751	14,247	14,488	14,506	12,772	2,069	8,585	12,763	146,906
SRP T&C	37,481	18,960	35,638	44,172	73,615	83,333	137,785	152,891	99,250	59,263	50,058	69,752	862,196
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	508,212	501,343	377,773	577,320	692,338	771,629	1,054,557	1,087,424	865,806	720,939	513,884	628,412	8,319,636
<u>Year</u>	2,417,621	2,167,371	2,177,650	2,220,189	2,749,946	3,003,688	3,506,758	3,613,329	3,031,180	2,426,185	2,123,172	2,445,258	31,882,346

2008 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	850,585	793,742	845,574	819,841	828,957	815,331	845,799	845,504	815,029	847,352	798,028	846,983
Coal	1,167,682	1,049,715	1,097,063	1,077,108	1,111,638	1,118,784	1,182,967	1,188,108	1,127,942	1,146,221	1,096,504	1,153,141	13,516,871
APS Steam	25,457	21,104	14,784	21,508	48,328	68,462	112,177	131,951	60,441	38,468	30,695	33,682	607,059
APS CC	92,089	79,567	64,800	74,735	102,411	111,165	140,569	148,612	118,956	88,932	84,720	108,109	1,214,665
APT CT Gas	6,402	3,337	2,728	3,441	15,926	24,645	53,404	69,366	22,667	12,139	6,885	10,404	231,344
APS CT Oil	2	1	3	2	85	159	444	479	196	34	14	29	1,449
Solar/Hydro	14,176	13,464	14,943	15,561	16,295	16,049	15,918	15,818	13,217	2,639	10,080	13,916	162,075
SRP T&C	31,023	25,190	33,911	46,658	64,321	89,405	130,637	148,294	81,281	60,902	34,256	57,126	803,004
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	477,913	344,154	190,903	255,559	592,801	745,572	1,031,633	1,077,028	868,092	430,168	295,963	474,922	6,784,709
<u>Year</u>	2,522,480	2,261,155	2,264,708	2,314,412	2,859,097	3,127,811	3,656,396	3,766,007	3,176,942	2,548,520	2,218,905	2,555,466	33,273,901

**APS MONTHLY GENERATION BY RESOURCE TYPE  
WITH CURRENT FORWARD MARKET PRICES AND ECONOMIC PURCHASES**

2009 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	841,814	763,664	846,882	815,557	824,499	820,537	844,211	842,988	818,658	846,533	799,126	842,678
Coal	1,138,485	1,037,542	1,114,612	1,091,591	1,117,917	1,128,943	1,178,598	1,188,021	1,133,869	1,151,469	1,116,179	1,169,441	13,566,668
APS Steam	31,483	19,199	12,198	28,143	51,052	77,950	122,157	133,069	71,189	43,391	32,460	38,749	661,040
APS CC	96,636	77,036	66,068	76,822	102,118	118,779	141,578	151,190	118,677	93,022	93,759	113,036	1,249,722
APT CT Gas	9,209	2,209	1,703	5,119	16,392	21,463	50,668	66,714	21,009	24,227	5,007	8,149	231,868
APS CT Oil	101	2	3	10	74	101	426	477	152	134	5	27	1,513
Solar/Hydro	14,914	14,217	16,416	16,784	17,811	17,538	17,567	17,349	14,607	3,224	11,033	14,726	176,187
SRP T&C	40,874	25,020	32,289	57,083	71,579	97,122	136,184	148,299	75,620	60,321	44,791	57,329	846,511
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	585,342	477,658	267,381	307,148	694,312	838,156	1,167,153	1,226,577	977,428	503,988	360,981	557,606	7,963,739
_year	2,616,009	2,347,427	2,359,551	2,400,260	2,974,089	3,256,830	3,801,390	3,917,542	3,300,329	2,646,984	2,325,100	2,658,893	34,604,405

2010 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	845,297	760,928	845,835	816,061	827,194	814,440	847,796	842,796	818,316	843,976	799,511	846,053
Coal	1,138,504	1,035,069	1,135,028	1,116,023	1,115,682	1,124,302	1,181,442	1,181,155	1,139,287	1,166,935	1,123,516	1,170,482	13,627,424
APS Steam	29,955	23,776	14,240	25,416	52,803	77,006	119,806	134,735	73,495	45,089	35,418	44,432	676,173
APS CC	93,966	84,243	72,143	85,323	109,574	113,688	142,328	149,471	121,575	100,092	98,353	114,871	1,285,626
APT CT Gas	8,342	2,663	1,743	3,772	12,913	28,213	54,215	69,257	25,386	23,948	7,931	7,909	245,692
APS CT Oil	117	3	0	1	34	171	470	533	192	143	10	7	1,679
Solar/Hydro	15,238	14,677	17,227	17,864	19,077	18,519	18,365	18,103	15,537	3,901	11,495	15,288	185,290
SRP T&C	42,946	27,872	27,862	48,780	79,931	96,088	137,868	151,514	88,052	68,249	53,375	66,171	888,707
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	688,149	553,146	337,924	389,683	796,569	966,885	1,302,251	1,379,203	1,080,824	575,745	418,178	647,090	9,135,649
_year	2,719,665	2,433,256	2,452,002	2,502,923	3,092,113	3,377,552	3,947,389	4,069,615	3,431,782	2,749,143	2,409,544	2,769,458	35,954,442

2011 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	845,214	763,789	843,889	815,662	827,394	820,649	843,541	841,334	820,731	839,331	800,726	843,841
Coal	1,158,940	1,021,357	1,129,959	1,119,647	1,133,290	1,130,456	1,180,304	1,177,930	1,138,697	1,140,933	1,124,756	1,177,824	13,634,091
APS Steam	33,439	22,953	17,181	27,267	48,020	78,114	123,591	137,301	78,685	54,625	24,103	44,878	690,157
APS CC	97,898	83,665	78,465	92,838	107,949	119,488	141,964	148,572	126,446	101,357	97,746	117,116	1,313,505
APT CT Gas	7,898	5,002	2,603	3,225	17,678	23,200	50,911	74,318	23,982	33,318	5,280	7,566	254,580
APS CT Oil	25	34	4	6	91	163	436	551	231	211	1	21	1,774
Solar/Hydro	15,428	14,641	17,047	17,612	19,121	18,616	18,567	18,213	15,377	3,901	11,423	15,101	185,047
SRP T&C	47,121	32,689	30,837	51,543	70,680	99,275	140,781	163,636	80,960	78,527	53,422	63,735	913,205
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	740,341	633,688	407,476	449,468	881,892	1,055,041	1,428,011	1,490,902	1,182,903	661,983	505,303	729,625	10,167,232
_year	2,804,056	2,508,697	2,527,463	2,577,267	3,184,450	3,483,242	4,070,954	4,195,604	3,536,733	2,835,848	2,484,517	2,856,860	37,065,692

**APS MONTHLY GENERATION BY RESOURCE TYPE  
WITH CURRENT FORWARD MARKET PRICES AND ECONOMIC PURCHASES**

2012 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
Nuclear	844,638	787,197	849,416	819,013	821,089	821,355	843,613	841,683	820,740	843,536	796,215	848,659	9,937,154
Coal	1,151,774	1,077,075	1,127,204	1,108,790	1,134,827	1,136,671	1,182,449	1,185,608	1,148,030	1,160,626	1,126,438	1,174,297	13,713,788
APS Steam	32,771	20,072	23,053	28,012	52,768	84,804	121,618	134,513	80,184	58,209	31,566	44,822	712,390
APS CC	99,182	83,238	84,123	94,982	110,937	120,079	143,171	148,621	126,368	116,064	105,263	109,723	1,341,750
APT CT Gas	6,532	4,315	2,396	4,424	18,979	28,019	51,981	76,725	20,631	27,485	6,503	11,073	259,063
APS CT Oil	25	7	3	9	120	215	505	608	168	155	2	46	1,865
Solar/Hydro	15,558	15,165	17,153	17,835	18,969	18,430	18,464	18,292	14,993	3,901	11,939	15,268	185,966
SRP T&C	42,771	29,718	40,119	62,763	75,143	101,196	141,129	158,672	79,688	82,449	54,052	65,242	932,942
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	833,994	642,727	455,963	515,121	967,253	1,141,440	1,548,877	1,616,312	1,290,167	712,635	567,068	806,109	11,098,667
----- _year	2,884,397	2,590,394	2,599,429	2,650,949	3,278,419	3,590,451	4,195,655	4,323,881	3,650,088	2,926,724	2,560,806	2,932,392	38,183,585

## APS MONTHLY GENERATION BY RESOURCE TYPE WITH ELECTRIC PRICES 10% LOWER THAN CURRENT FORWARD MARKET PRICES

2003 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	793,224	714,121	764,821	507,829	754,466	761,867	789,820	787,768	728,789	525,840	506,729	696,230
Coal	1,070,713	836,459	855,354	882,816	1,033,368	1,025,757	1,126,199	1,125,286	1,085,691	1,029,799	993,755	1,011,851	12,077,049
APS Steam	7,037	2,248	551	1,649	13,582	31,449	64,972	82,194	31,234	15,328	2,910	10,012	263,167
APS CC	63,596	51,237	39,379	36,522	66,234	66,908	96,777	101,077	73,064	44,764	49,079	67,437	756,073
APT CT Gas	491	584	582	1,000	1,752	3,998	28,877	49,318	4,930	2,238	1,670	1,094	96,533
APS CT Oil	-	1	1	3	9	59	223	5	5	12	-	-	314
Solar/Hydro	8,236	7,462	8,356	8,427	8,765	8,523	8,654	8,625	7,517	3,287	6,423	8,141	92,416
SRP T&C	13,356	9,543	9,099	12,164	22,437	40,685	113,188	129,277	40,112	28,509	13,633	21,786	453,791
PACX	(142,848)	(69,120)	-	-	78,336	136,240	142,848	142,848	69,120	(78,336)	(136,240)	(142,848)	-
Market <sup>1)</sup>	199,396	239,719	127,062	410,108	335,998	446,471	584,292	612,090	515,637	468,527	336,120	357,861	4,633,282
Year	2,013,202	1,792,255	1,805,205	1,860,516	2,314,941	2,523,906	2,955,686	3,038,706	2,556,099	2,039,967	1,772,080	2,033,564	26,706,128

<sup>1)</sup> Note: Market purchases in 2003 include 215 GWH of forward purchases transacted prior to September 1, 2002 (primarily executed in March 2000).

2004 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	807,173	755,028	807,691	541,987	734,198	780,286	805,017	806,362	777,862	552,435	722,531	810,226
Coal	1,041,504	849,156	924,705	972,698	1,002,587	1,049,984	1,132,131	1,143,323	1,086,379	1,115,321	1,030,413	1,102,329	12,450,530
APS Steam	11,212	4,086	419	3,598	18,145	43,287	85,893	105,442	44,487	17,826	10,617	20,797	365,810
APS CC	64,090	47,897	39,105	45,382	66,187	74,717	105,493	114,138	79,658	65,754	59,355	78,698	840,475
APT CT Gas	647	621	388	1,555	1,770	8,596	45,210	67,556	11,121	3,547	1,035	1,042	143,088
APS CT Oil	-	1	1	3	6	208	549	14	14	4	1	-	787
Solar/Hydro	9,953	9,471	10,402	10,321	10,790	10,517	10,765	10,702	8,854	3,538	8,203	9,890	113,405
SRP T&C	21,685	14,049	9,925	20,289	36,158	58,926	130,098	147,326	65,998	37,363	17,697	29,416	588,940
PACX	(142,848)	(69,120)	-	-	78,336	136,240	142,848	142,848	69,120	(78,336)	(136,240)	(142,848)	-
Market	299,541	276,734	103,998	359,002	480,548	491,249	653,349	667,589	549,307	431,291	154,005	232,055	4,698,668
Year	2,112,956	1,887,923	1,896,634	1,954,846	2,428,719	2,655,808	3,111,014	3,205,836	2,692,799	2,148,744	1,865,616	2,141,606	28,102,501

2005 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	802,570	727,741	808,809	517,303	733,368	779,182	806,043	808,019	779,238	545,870	526,069	678,613
Coal	964,447	782,883	867,225	857,515	884,449	1,004,559	1,025,258	1,047,545	834,792	866,479	769,115	965,990	10,870,255
APS Steam	19,989	14,206	3,291	4,403	43,064	47,780	80,776	71,161	56,872	34,295	26,951	29,504	432,272
APS CC	55,432	39,550	28,172	55,242	63,556	78,245	89,098	87,764	66,437	57,771	80,592	82,385	784,244
PWE Units	-	-	-	-	-	-	-	-	-	-	-	-	-
APT CT Gas	1,535	2,168	838	1,634	28,639	10,870	50,522	47,366	39,073	20,853	17,164	21,136	241,798
APS CT Oil	1	1	2	2	246	18	368	353	288	160	115	287	1,850
Solar/Hydro	9,182	8,657	9,887	9,971	10,494	10,175	10,235	10,107	9,801	1,272	5,510	9,281	104,572
SRP T&C	21,982	17,758	9,798	23,631	64,050	58,026	103,857	103,857	90,797	57,775	59,147	54,767	685,910
PACX	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Market	479,324	455,636	261,298	562,197	630,868	635,890	902,061	1,007,859	851,109	734,312	614,695	537,378	7,672,624
Competitive	-	-	-	-	-	-	-	-	-	-	-	-	-
Year	2,211,594	1,979,479	1,989,321	2,031,896	2,537,070	2,762,985	3,231,531	3,326,879	2,797,537	2,240,452	1,961,117	2,236,492	29,306,352

**APS MONTHLY GENERATION BY RESOURCE TYPE  
WITH ELECTRIC PRICES 10% LOWER THAN CURRENT FORWARD MARKET PRICES**

2006 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	826,549	749,176	823,297	543,421	767,871	801,313	821,542	826,010	792,890	544,873	751,831	825,723
Coal	883,331	788,805	768,606	842,696	908,343	1,016,971	1,103,916	1,054,681	1,026,568	941,550	909,106	1,043,815	11,288,386
APS Steam	24,997	11,198	18,877	14,913	38,889	44,946	68,672	58,010	46,855	34,902	17,401	24,872	404,532
APS CC	55,425	42,356	43,627	53,592	59,038	77,149	90,806	91,024	66,724	72,204	74,083	82,760	808,789
APT CT Gas	2,519	2,205	5,590	6,350	28,391	9,436	39,490	35,979	23,988	8,934	4,945	5,918	173,746
APS CT Oil	1	1	4	-	266	22	242	197	108	32	5	18	896
Solar/hydro	11,244	10,421	11,852	11,945	12,849	12,387	12,534	12,417	11,424	1,632	7,001	11,017	126,724
SRP T&C	24,959	15,568	36,662	48,153	52,368	53,668	105,547	77,877	75,877	58,620	30,887	35,664	615,849
PACX	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Market	620,506	512,157	358,363	585,458	689,200	721,070	987,246	1,180,362	797,186	746,350	379,193	447,989	8,025,080
<u>Year</u>	2,306,684	2,062,766	2,066,878	2,106,329	2,635,550	2,875,202	3,372,844	3,479,405	2,910,739	2,330,762	2,036,211	2,334,927	30,518,498

2007 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	825,617	748,482	811,256	528,231	773,992	798,002	826,375	822,673	779,892	563,572	548,734	715,645
Coal	1,018,455	823,509	824,207	934,081	911,819	998,226	1,071,583	1,103,215	974,790	980,416	961,439	975,579	11,577,320
APS Steam	22,393	12,302	7,460	4,814	40,914	43,195	74,254	85,456	49,041	23,382	20,897	21,388	405,507
APS CC	58,473	41,007	35,919	40,954	45,686	75,518	92,293	102,701	65,896	59,197	69,052	77,503	764,199
APT CT Gas	2,357	1,202	1,415	1,204	29,795	9,666	38,891	54,251	21,451	9,060	2,913	5,507	177,112
APS CT Oil	2	2	-	-	173	46	233	395	97	55	2	2	1,007
Solar/hydro	12,971	12,001	13,817	13,937	14,751	14,247	14,488	14,506	12,772	2,069	8,585	12,763	146,906
SRP T&C	23,394	18,572	15,392	21,763	68,316	53,998	117,969	135,134	78,797	43,606	27,621	37,512	642,075
PACX	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Market	578,057	567,714	450,483	653,006	780,762	869,550	1,125,124	1,150,049	975,274	817,913	607,019	721,049	9,295,999
<u>Year</u>	2,398,871	2,155,671	2,159,950	2,197,989	2,744,546	3,000,688	3,504,057	3,611,229	3,027,131	2,420,935	2,108,022	2,424,108	31,753,197

2008 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	845,317	787,903	845,509	817,847	823,945	817,493	846,562	842,285	817,107	846,727	798,504	847,683
Coal	1,121,062	1,004,632	1,054,107	1,043,387	1,072,714	1,091,263	1,163,791	1,182,486	1,113,350	1,128,710	1,065,296	1,106,679	13,147,478
APS Steam	14,403	11,790	5,384	5,570	32,082	42,564	98,776	117,776	38,564	23,571	15,740	20,397	426,617
APS CC	73,767	61,189	48,380	57,120	87,158	93,037	130,023	139,959	99,953	73,688	66,972	83,023	1,014,268
APT CT Gas	1,759	865	1,082	1,270	8,075	14,191	39,608	50,071	14,452	3,964	3,385	4,626	143,348
APS CT Oil	2	1	-	-	28	83	317	359	114	6	4	5	920
Solar/hydro	13,868	13,362	15,083	15,573	16,253	16,023	16,024	15,678	13,278	2,639	10,078	13,917	161,778
SRP T&C	23,397	16,006	21,182	20,701	43,098	59,532	112,734	126,835	59,474	40,163	24,370	32,018	579,509
PACX	(142,848)	(69,120)	-	-	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Market	541,752	410,977	254,933	330,894	684,958	838,135	1,096,714	1,142,511	935,779	493,737	350,146	510,056	7,590,592
<u>Year</u>	2,492,480	2,237,605	2,245,658	2,292,362	2,846,647	3,110,561	3,647,396	3,760,807	3,161,192	2,534,870	2,196,255	2,475,555	33,001,391

**APS MONTHLY GENERATION BY RESOURCE TYPE  
WITH ELECTRIC PRICES 10% LOWER THAN CURRENT FORWARD MARKET PRICES**

2009 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	844,954	760,509	845,627	817,460	823,802	818,461	845,077	846,062	815,707	845,415	800,884	840,574
Coal	1,104,019	990,108	1,073,950	1,059,162	1,074,795	1,106,321	1,176,443	1,183,713	1,115,032	1,132,562	1,086,494	1,141,340	13,243,939
APS Steam	14,247	7,823	4,639	11,563	29,301	50,968	105,743	116,663	41,427	30,717	15,601	21,668	450,359
APS CC	74,856	59,644	51,950	62,411	86,254	102,407	131,817	140,265	102,907	76,076	72,656	87,452	1,048,694
APT CT Gas	4,683	1,075	849	1,776	5,155	10,887	37,028	48,931	11,827	17,783	1,936	2,866	144,794
APS CT Oil	31	1	1	30	30	49	302	367	66	91	6	6	943
Solar/Hydro	14,923	14,256	16,430	16,686	17,752	17,648	17,480	17,402	14,657	3,224	11,065	14,618	176,141
SRP T&C	33,714	12,174	13,367	31,107	44,743	63,509	112,071	127,153	58,509	48,050	23,596	31,926	599,920
PACX	(142,848)	(69,120)	13,367	31,107	78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Market	642,231	540,957	317,340	386,294	798,173	927,491	1,221,782	1,285,738	1,060,728	557,602	421,408	627,392	8,787,134
Year	2,590,809	2,317,427	2,324,151	2,386,460	2,958,339	3,235,980	3,790,590	3,909,142	3,289,980	2,633,184	2,295,400	2,624,993	34,356,455

2010 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	843,837	765,137	843,726	817,120	825,007	816,638	844,932	844,309	818,447	843,887	798,033	848,804
Coal	1,115,749	994,342	1,088,939	1,077,119	1,081,467	1,095,471	1,178,163	1,180,825	1,125,575	1,135,197	1,101,624	1,161,280	13,335,751
APS Steam	15,807	11,892	4,380	10,757	30,930	53,955	106,268	115,263	42,987	34,048	21,170	29,957	477,415
APS CC	74,814	66,172	50,790	62,936	93,197	96,883	132,308	140,174	105,810	81,989	78,730	91,872	1,075,652
APT CT Gas	4,281	1,196	1,012	1,469	5,602	15,537	38,911	49,099	13,814	18,675	2,920	2,767	155,285
APS CT Oil	75	1	1	10	10	76	335	447	95	96	5	5	1,144
Solar/Hydro	15,266	14,709	17,168	17,960	18,946	18,532	18,367	18,121	15,558	3,901	11,504	15,324	185,355
SRP T&C	30,789	15,700	14,187	27,835	50,459	69,367	116,813	132,855	67,749	50,801	30,279	32,078	638,913
PACX	(142,848)	(69,120)	78,336	138,240	142,848	142,848	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Market	722,896	611,777	398,949	455,024	888,361	1,060,552	1,359,143	1,437,575	1,161,078	644,806	476,520	694,220	9,910,900
Year	2,680,665	2,411,806	2,419,152	2,470,223	3,072,313	3,365,252	3,938,089	4,061,515	3,420,232	2,735,043	2,382,544	2,733,458	35,690,292

2011 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	841,337	762,769	845,854	818,065	821,939	820,969	843,451	849,092	814,924	844,458	796,918	845,099
Coal	1,130,098	989,800	1,091,426	1,081,149	1,087,010	1,107,374	1,171,131	1,178,687	1,139,866	1,116,810	1,089,568	1,168,372	13,351,291
APS Steam	19,038	13,977	8,671	9,166	31,075	52,602	111,755	125,295	58,691	41,066	14,630	31,423	517,389
APS CC	77,858	67,502	56,542	70,554	92,261	100,340	132,923	144,217	111,671	87,919	70,173	95,760	1,107,719
APT CT Gas	1,780	1,760	1,461	1,370	6,820	13,384	38,028	54,978	15,263	22,704	3,782	2,396	163,746
APS CT Oil	9	6	1	3	26	90	330	407	148	133	4	5	1,162
Solar/Hydro	15,385	14,630	17,024	17,688	19,148	18,626	18,453	18,228	15,399	3,901	11,452	15,103	185,038
SRP T&C	26,008	20,914	18,251	22,558	47,228	59,233	119,467	142,878	56,654	63,776	21,638	26,749	625,356
PACX	(142,848)	(69,120)	78,336	138,240	142,848	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Market	807,641	682,760	451,333	533,315	981,406	1,157,834	1,485,066	1,534,175	1,238,327	723,967	586,543	768,900	10,951,268
Year	2,776,306	2,484,997	2,490,563	2,553,867	3,165,250	3,468,692	4,063,454	4,190,804	3,520,083	2,826,398	2,458,467	2,810,960	36,807,843

APS MONTHLY GENERATION BY RESOURCE TYPE  
WITH ELECTRIC PRICES 10% LOWER THAN CURRENT FORWARD MARKET PRICES

2012 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
Nuclear	843,485	791,787	843,794	817,043	828,864	818,130	842,667	846,616	818,055	842,940	801,308	841,012	9,935,699
Coal	1,118,003	1,037,598	1,089,860	1,078,777	1,089,747	1,110,547	1,184,625	1,185,106	1,138,838	1,148,866	1,106,215	1,113,427	13,401,608
APS Steam	15,024	10,694	8,652	9,098	29,231	61,181	111,165	118,608	60,144	41,020	17,736	29,025	511,577
APS CC	77,183	66,572	61,348	70,784	92,442	104,665	133,807	141,469	114,801	97,198	83,547	90,171	1,133,987
APT CT Gas	2,913	2,136	807	1,417	11,994	17,817	41,778	54,867	11,607	18,043	2,169	5,633	171,180
APS CT Oil	6	6		1	64	178	396	441	133	83	1	19	1,328
Solar/Hydro	15,532	15,173	17,202	17,759	18,939	18,547	18,413	18,272	15,073	3,901	11,950	15,172	185,933
SRP T&C	26,240	19,411	17,054	32,074	53,385	70,163	124,914	133,590	49,236	66,390	23,582	41,426	657,466
PACX	(142,848)	(69,120)			78,336	138,240	142,848	142,848	69,120	(78,336)	(138,240)	(142,848)	-
Market	904,258	683,139	530,412	601,197	1,061,917	1,236,282	1,581,841	1,677,565	1,350,582	772,819	624,338	846,631	11,870,981
..year	2,859,797	2,557,394	2,569,129	2,628,149	3,264,919	3,575,751	4,182,455	4,319,381	3,627,588	2,912,924	2,532,606	2,839,668	37,869,761

**APS MONTHLY GENERATION BY RESOURCE TYPE  
WITH ELECTRIC PRICES 10% HIGHER THAN CURRENT FORWARD MARKET PRICES**

2003 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	793,224	714,121	764,821	507,829	754,466	761,867	789,820	787,767	728,789	525,841	506,729	698,230
Coal	1,067,549	851,346	875,427	913,794	1,060,508	1,102,534	1,150,660	1,150,638	1,115,923	1,112,591	1,067,606	1,060,542	12,549,118
APS Steam	28,502	19,482	7,565	40,617	52,601	61,729	101,917	108,314	63,603	48,728	28,309	24,942	586,309
APS CC	93,279	84,582	64,267	72,507	99,468	95,130	118,900	117,239	97,914	65,946	78,402	91,792	1,079,427
APT CT Gas	3,439	3,816	1,613	3,482	12,696	26,870	72,005	78,776	28,534	9,684	5,334	6,153	252,372
APS CT Oil	0	3	0	1	19	98	573	669	101	4	4	2	1,474
Solar/Hydro	8,236	7,462	8,356	8,427	8,765	8,523	8,654	8,625	7,517	3,287	6,423	8,141	92,416
SRP T&C	28,972	13,415	10,991	44,643	80,299	105,512	145,038	146,035	101,644	55,124	39,171	44,416	815,260
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market <sup>1)</sup>	145,650	218,399	117,015	301,968	194,033	228,853	438,467	506,795	398,367	314,447	205,942	267,393	3,337,246
_____	2,046,002	1,843,505	1,850,055	1,893,166	2,341,191	2,529,356	2,968,882	3,047,706	2,611,499	2,057,317	1,799,680	2,058,764	27,047,124

<sup>1)</sup> Note: Market purchases in 2003 include 215 GWH of forward purchases transacted prior to September 1, 2002 (primarily executed in March 2000).

2004 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	807,173	755,028	807,691	541,987	734,198	780,285	805,017	806,362	777,861	552,435	722,531	810,226
Coal	1,060,845	886,850	951,689	1,000,275	1,100,803	1,112,219	1,155,888	1,165,066	1,118,166	1,156,242	1,061,367	1,133,817	12,903,227
APS Steam	36,404	21,669	9,349	45,959	59,894	69,112	110,852	117,064	80,643	51,509	27,996	46,732	677,185
APS CC	96,158	74,909	60,855	78,084	98,967	104,024	120,737	124,728	103,931	102,591	93,526	111,324	1,169,835
APT CT Gas	5,016	3,792	1,194	5,740	18,984	39,886	83,050	86,966	43,765	18,617	7,400	14,479	328,888
APS CT Oil	16	1	3	23	47	231	698	769	260	77	16	22	2,162
Solar/Hydro	9,953	9,471	10,402	10,321	10,790	10,517	10,765	10,702	8,654	3,538	8,203	9,890	113,405
SRP T&C	43,273	23,142	16,409	67,355	90,056	122,172	151,216	157,351	111,919	68,323	52,685	73,931	977,833
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	233,466	235,579	82,693	224,902	263,045	288,122	543,142	608,679	425,730	321,148	87,982	150,433	3,464,921
_____	2,149,456	1,941,323	1,940,284	1,974,646	2,455,119	2,664,808	3,124,214	3,220,537	2,740,249	2,196,144	1,923,466	2,208,006	28,538,251

2005 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	802,569	727,741	808,809	517,303	733,368	779,182	806,043	808,019	779,238	545,870	526,069	678,613
Coal	1,059,521	884,995	942,461	913,234	999,611	1,060,797	1,090,295	1,102,467	900,113	1,001,118	873,967	1,069,036	11,897,616
APS Steam	40,531	31,821	16,375	32,537	53,871	80,708	95,872	89,557	66,609	67,902	45,072	61,973	682,828
APS CC	72,466	52,620	47,078	92,372	80,931	101,608	101,858	104,191	74,407	69,273	92,595	105,199	994,598
APT CT Gas	10,525	11,527	3,282	8,138	42,886	38,247	72,557	65,202	51,170	42,597	43,158	39,432	428,722
APS CT Oil	15	104	1	12	366	204	589	445	451	282	371	451	3,282
Solar/Hydro	9,182	8,657	9,887	9,971	10,494	10,175	10,235	10,107	9,801	1,272	5,510	9,281	104,572
SRP T&C	59,774	45,188	42,488	88,106	74,700	102,792	138,411	128,963	102,097	103,712	88,221	77,909	1,052,361
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	319,508	310,246	143,989	391,622	472,056	457,333	775,813	862,581	746,480	499,362	437,144	359,295	5,795,449
_____	2,231,244	2,003,779	2,014,371	2,053,296	2,546,620	2,769,285	3,234,531	3,334,379	2,799,487	2,253,052	1,973,867	2,258,342	29,472,252

**APS MONTHLY GENERATION BY RESOURCE TYPE  
WITH ELECTRIC PRICES 10% HIGHER THAN CURRENT FORWARD MARKET PRICES**

2009 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	844,953	760,509	845,626	817,459	823,801	818,460	845,076	846,062	815,706	845,415	800,884	840,573
Coal	1,157,599	1,049,929	1,143,545	1,112,400	1,147,320	1,138,924	1,183,855	1,186,588	1,137,094	1,167,346	1,126,916	1,178,039	13,729,556
APS Steam	44,449	32,427	28,523	42,123	70,936	96,952	133,038	143,344	91,979	58,274	48,072	58,564	848,681
APS CC	113,658	96,887	84,393	91,973	116,905	126,599	149,543	154,637	130,527	107,661	109,697	130,504	1,412,983
APT CT Gas	16,185	6,015	4,293	10,954	29,255	39,324	61,980	83,313	31,066	29,773	15,810	17,813	345,782
APS CT Oil	134	3	7	12	185	211	497	627	223	142	62	59	2,162
Solar/Hydro	14,923	14,256	16,430	16,686	17,752	17,648	17,480	17,402	14,657	3,224	11,065	14,618	176,141
SRP T&C	62,974	45,728	50,627	78,311	98,864	126,910	150,210	166,277	101,544	78,602	76,576	90,194	1,126,816
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	521,232	436,595	205,906	251,941	614,585	768,412	1,123,764	1,183,044	920,413	448,382	294,508	505,427	7,274,209
_____	2,633,259	2,373,227	2,379,351	2,421,860	2,997,939	3,271,680	3,808,290	3,924,142	3,312,330	2,660,484	2,345,350	2,692,943	34,820,855

2010 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	843,837	765,137	843,726	817,119	825,006	816,638	844,932	844,308	818,446	843,887	798,032	848,803
Coal	1,167,346	1,049,321	1,155,701	1,127,418	1,151,044	1,131,393	1,188,505	1,182,585	1,143,726	1,166,901	1,131,003	1,179,657	13,776,600
APS Steam	50,272	31,370	31,931	45,594	72,786	96,881	131,218	144,398	95,120	57,248	53,238	66,825	876,880
APS CC	114,537	97,543	92,585	104,590	120,625	127,390	148,709	155,243	135,404	112,426	114,187	134,371	1,457,610
APT CT Gas	13,980	8,902	3,533	11,377	28,281	44,468	71,682	83,227	34,187	32,407	18,597	18,293	368,934
APS CT Oil	121	25	2	18	91	311	593	627	282	194	99	46	2,411
Solar/Hydro	15,266	14,709	17,168	17,960	18,946	18,532	18,367	18,121	15,558	3,901	11,504	15,324	185,355
SRP T&C	51,219	50,250	54,471	76,272	105,003	124,059	152,213	168,165	107,724	77,987	83,346	92,271	1,142,980
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	624,387	508,970	273,736	316,673	710,595	893,641	1,258,222	1,336,993	1,021,065	543,128	361,628	577,864	8,426,903
_____	2,738,115	2,457,106	2,472,852	2,517,023	3,110,713	3,391,352	3,957,289	4,076,515	3,440,632	2,761,743	2,433,394	2,790,608	36,147,342

2011 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	841,336	762,768	845,853	818,065	821,939	820,968	843,451	849,092	814,924	844,457	796,917	845,099
Coal	1,171,339	1,046,468	1,155,506	1,130,545	1,154,864	1,143,092	1,182,139	1,185,244	1,146,253	1,155,473	1,134,345	1,181,486	13,786,755
APS Steam	51,437	37,140	35,234	50,626	64,568	98,834	133,492	147,064	100,155	66,897	42,532	61,717	889,696
APS CC	115,338	96,217	100,286	111,222	121,376	129,044	148,832	156,884	137,883	115,320	117,987	132,607	1,482,995
APT CT Gas	13,149	11,958	8,102	8,777	26,868	37,402	67,025	91,194	31,526	41,013	13,802	18,595	369,410
APS CT Oil	50	98	22	8	143	234	526	705	252	264	36	89	2,427
Solar/Hydro	15,385	14,630	17,024	17,688	19,148	18,626	18,453	18,228	15,389	3,901	11,452	15,103	185,038
SRP T&C	66,909	48,715	57,809	89,450	107,641	128,404	153,351	177,826	110,425	88,902	83,117	106,743	1,219,293
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	688,911	580,523	325,326	371,587	810,566	985,348	1,391,637	1,433,119	1,125,796	606,507	441,921	666,769	9,428,010
_____	2,821,006	2,529,397	2,545,163	2,597,967	3,205,450	3,500,192	4,081,754	4,202,204	3,551,793	2,844,398	2,503,867	2,885,360	37,268,492

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APS MONTHLY GENERATION BY RESOURCE TYPE  
 WITH ELECTRIC PRICES 10% HIGHER THAN CURRENT FORWARD MARKET PRICES

2012 resource	January	February	March	April	May	June	July	August	September	October	November	December	Annual Total
	Nuclear	843,485	791,786	843,794	817,042	828,863	818,130	842,867	846,615	818,054	842,940	801,307	841,011
Coal	1,170,296	1,091,348	1,154,977	1,129,997	1,155,875	1,140,493	1,189,594	1,186,017	1,144,069	1,176,707	1,136,809	1,139,360	13,815,543
APS Steam	47,527	32,228	36,095	50,219	73,647	106,719	133,135	147,449	100,983	74,499	57,299	58,742	918,541
APS CC	115,052	101,913	100,067	112,309	125,986	131,153	151,315	154,190	137,857	127,595	124,716	123,136	1,505,290
APT CT Gas	12,843	8,880	8,223	10,731	29,700	38,947	67,669	92,722	35,996	40,167	15,488	23,061	384,427
APS CT Oil	77	37	17	18	193	322	577	739	263	192	42	139	2,616
Solar/Hydro	15,532	15,173	17,202	17,759	18,939	18,547	18,413	18,272	15,073	3,901	11,950	15,172	185,933
SRP T&C	66,604	44,091	71,729	92,553	107,076	128,545	154,728	177,746	120,766	104,000	88,000	92,419	1,248,257
PACX	-142,848	-69,120	0	0	78,336	138,240	142,848	142,848	69,120	-78,336	-138,240	-142,848	0
Market	773,379	599,557	386,974	432,171	880,504	1,082,104	1,507,309	1,559,683	1,221,407	642,860	483,536	730,425	10,299,910
.....	2,901,947	2,615,894	2,619,079	2,662,799	3,299,119	3,603,201	4,208,255	4,326,281	3,663,588	2,934,524	2,580,906	2,880,618	38,296,210

Additional workpapers for Peter M. Ewen

CD disks with the hourly generation (MWhs) by unit and firm contracts were also provided to Staff and each of the interveners.

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**DIRECT TESTIMONY OF PETER M. EWEN**

**On Behalf of Arizona Public Service Company**

**Docket No. E-00000A-02-0051, et al.**

**November 4, 2002**

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1 the Arizona State University ("ASU") Dean's Board of Excellence, which is a  
2 group of local businessmen and women who support the College of Business  
3 Honors Program by mentoring students, funding scholarships, and providing  
4 insights to students and faculty on managing through topical business  
5 challenges.

6 **Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THIS**  
7 **PROCEEDING?**

8 My testimony will explain and document the methods by which APS has estimated its  
9 unmet needs for capacity and energy for the period 2003 through 2012. It was that  
10 estimated need that will serve as the basis for Mr. Thomas Carlson's testimony on the  
11 Company's proposed procurement plan.

12  
13 **II. SUMMARY**

14 **Q. WOULD YOU PLEASE SUMMARIZE YOUR DIRECT TESTIMONY?**

15 **A.** APS's unmet needs for capacity and energy are derived from a comparison of  
16 the expected energy and peak demand requirements over the next ten years with  
17 the availability of APS resources to meet those needs. As would be expected for  
18 a utility having a system load factor in the low 50% range, our unmet capacity  
19 needs far exceed our unmet energy needs. That is, the number of hours for  
20 which we require additional supply beyond that which our own resources and  
21 firm contracts can provide is relatively low, which means that the amount of  
22 energy that accompanies the additional capacity is also low. Specifically for  
23 2003, I estimate that we need to acquire approximately 1,400 MW of capacity  
24 (22% of peak requirements) and some 650 GWH of energy. from the  
25 competitive wholesale market to meet the reliability needs of the APS system.  
26 Meeting these reliability needs means that APS has enough resources to meet

1 the single hour of highest peak demand each year plus a reserve amount to  
2 protect against unforeseen plant outages and unanticipated demand, and that all  
3 of our customers' energy needs can be served as well. Virtually all of this  
4 capacity and energy is needed during the third quarter of 2003 (July, August and  
5 September). Capacity needs grow by roughly 6.0% per year, reaching 1,877  
6 MW by 2007, or 25% of peak requirements. In contrast, energy needs grow by  
7 25% per year to 1,940 GWH by 2007. See Attachment PME-1.

8  
9 These figures are based on the definition of unmet need set forth in Staff's Final  
10 Report on Track B Issues ("Staff Report") dated October 25, 2002. See Staff  
11 Report at 35, lines 4 - 8. Such definition follows directly from the Commission's  
12 order in Track A. See Decision No. 65154 (September 10, 2002). This includes  
13 some small modifications to address the Commission's Environmental Portfolio  
14 Standard ("EPS") requirements and reliability must-run ("RMR") issues, both of  
15 which are described later in my testimony. See also Staff Report at 6, lines 9 -  
16 14. Specifically, we took our most current load and energy forecasts for the  
17 years 2003 through 2012 and added a 15% capacity reserve requirement for APS  
18 generation and non-firm purchases. We then subtracted out the following:

- 19 (1) capacity and energy that can be met from generation resources  
20 owned by APS as of September 1, 2002 and included in APS  
21 retail rates;
- 22 (2) capacity and energy that can be met from wholesale contracts  
23 with non-affiliated suppliers that were entered into prior  
24 to September 1, 2002;
- 25 (3) a calculation of RMR that necessarily must come from  
26 non-APS resources; and

1 (4) the EPS grid-connected resources that APS has or will acquire  
2 during these years assuming continuation of present funding for  
3 the EPS.  
4

5 III. THE DEMAND AND ENERGY FORECASTS

6 **Q. DID APS USE ITS MOST RECENT FORECAST OF DEMAND AND ENERGY TO DETERMINE ITS ASSESSMENT OF UNMET NEED?**

7 A. Yes. For purposes of this calculation, we are using our most recent forecast of  
8 demand and energy completed in October of this year. This (or the relevant  
9 components of it) is the same forecast that serves as the basis for the Company's  
10 operating budget in 2003, including revenue and fuel expense projections,  
11 generating unit production cost and capacity factor targets, and construction  
12 expenditures related to providing service for customer growth. The October  
13 2002 forecast is also an important feature of the Company's power supply,  
14 transmission network, and distribution network expansion plans. In addition to  
15 tying in to the Company's operating plan, the load forecast (or its major  
16 components) is also shared with credit rating agencies, current and prospective  
17 lenders, the Western Electric Coordinating Council ("WECC"), and other parties  
18 as necessary to address critical business issues. As a result, it has always been  
19 important for the load forecast we use internally to be the very best expectation  
20 of our true demand and energy growth.  
21

22 The methods used to produce the load forecast are consistent with methods that  
23 are used across the industry and are similar to the methods that were  
24 documented in each of the Company's most recent IRP filings (in 1992 and  
25 1995). Furthermore, as I describe later in my testimony, the accuracy of these  
26

1 methods (particularly in the near-term) is quite good with an average error rate  
2 of less than two percent when projecting the next year's energy demand.

3  
4 **Q. COULD YOU PLEASE DESCRIBE IN DETAIL THE METHODOLOGY  
AND KEY ASSUMPTIONS IN THE OCTOBER 2002 FORECAST?**

5 A. Yes. As I mentioned earlier, our most recent forecast of energy sales and peak  
6 demand is the starting point for calculating our expected unmet needs for the  
7 next five years. Schedule PME-2 shows the amounts we are projecting for  
8 energy sales and peak demand by customer class. From the exhibit, one can see  
9 that the forecast used here includes all of our expected retail load plus a small  
10 amount of demand from cost-of-service based wholesale contracts with the City  
11 of Williams and the partial requirements contracts with the irrigation and  
12 electrical districts. Technically, these wholesale contracts should be subtracted  
13 from both the forecast and existing resources, but including them in both  
14 produces the same result and avoids the need to make adjustments to existing  
15 data. These wholesale contracts amount to only 7 MW of coincident peak  
16 demand in the forecast.

17  
18 Forecast Overview

19 Our current forecast expects energy sales to grow at an average annual rate of  
20 4.1%, with higher growth rates occurring in the near term as the economy and  
21 associated electricity demand recovers from the downturn in economic activity.  
22 This compares with the most recent 5-year average growth rate from 1997 to  
23 2002, on a weather-normalized basis, of 3.4% and the corresponding 10-year  
24 average growth rate, which is also 3.4%. Schedule PME-3 shows these growth  
25 rates by class of customer. One of the striking results that can be observed in  
26 this Schedule is the rapid growth in electricity sales for the residential and

1 business classes in 1999 and 2000, followed by the sharp slowdown in 2001. As  
2 I describe the drivers of these changes, I believe I can illustrate why we have  
3 adopted the methods we use as well as show the kinds of uncertainties that  
4 naturally occur with each forecast.

5  
6 Eighty-nine percent of our energy sales are made to “mass market” residential  
7 and business customers. That is, for 11% of our energy sales represented by our  
8 largest customers with discrete load requirements and trends, we have on-going  
9 contact that allows us to include in the forecast amounts that relate specifically  
10 to those businesses and their unique conditions. Historically, this percentage has  
11 been a larger number, but has declined in recent years as APS firm wholesale  
12 load declined and our largest copper mining customers experienced contractions  
13 in their businesses. Because of the obvious logistical limitations involved in  
14 contacting many smaller customers and because individual customers below a  
15 certain demand threshold are unlikely to influence the demand forecast in a  
16 significant way, APS utilizes most of its forecasting resources in developing and  
17 enhancing methods for forecasting these “mass market” sales.

18 **Q. HOW DO YOU GO ABOUT FORECASTING THESE “MASS MARKET”**  
19 **SALES?**

20 A. Over relatively longer periods of time (five years or more), 70-80% of the  
21 electricity demand APS experiences is the result of economic growth in our  
22 service territory. The principal measures of economic growth that APS uses in  
23 preparing its forecasts are Arizona population growth, associated household  
24 growth, Arizona job growth, and office and retail building floor space additions  
25 in metro Phoenix. Historical and forecast values for these variables can be seen  
26 in Schedule PME-4.

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Because of the unique nature of energy usage in the respective residential and business customer classes, we handle these parts of the forecast separately. I will describe each in turn.

Residential Forecast

Residential sales forecasts result from separate forecasts of the number of residential customers and average residential use per customer. The residential customer forecast is determined by breaking down state-level population forecasts into county-level forecasts, using a projected householder rate by age with an estimated age distribution of the population to determine the number of households in each county, and estimating from historical trends the percent of new households that are likely to be in APS's service territory. This is particularly important for the metro Phoenix area where Salt River Project ("SRP") and APS have split the new single family housing market roughly 50/50 over the past nine years. This "new customer market share" estimate also takes into account various seasonal trends that are inherent in the historical data, which means that it captures such factors affecting demand and energy as winter visitor and college student household impacts. These partial residents are typically not included in the official U.S. Bureau of the Census ("Census") and Arizona Department of Economic Security ("DES") definitions of population and households since these agencies strive to capture the number of permanent residents.

Breaking down the customer growth by county also allows for a more precise estimate of the growth in expected use per customer growth since the APS

1 territory spans such a large area of the state and incorporates both low-lying  
2 desert and high country areas. The weather-sensitive electricity uses are  
3 obviously quite different between the two areas with respect to both cooling and  
4 heating applications. Other major electricity-using devices also show  
5 differences between the two areas, in particular the number of homes with  
6 swimming pools (and therefore pool pump motors). Schedule PME-5 shows  
7 some of the differences in major appliance ownership between the two areas.

8  
9 In order to forecast average residential use per customer, APS has relied on both  
10 econometric and end-use based methods. The econometric methods involve  
11 statistically estimating the historical relationship between monthly average use  
12 per customer or monthly average use per square foot (using average home size  
13 in the denominator) over time and such independent variables as weather, the  
14 real (inflation-adjusted) price of electricity, and specific variables designed to  
15 capture the effects of increasing efficiency in air conditioners, heat pumps, and  
16 refrigerators as well as the incremental market share for electric heating and  
17 electric water heating.

18  
19 Although widely used and historically fairly accurate, these traditional  
20 econometric models have not been as effective in predicting either the high level  
21 of usage growth we observed in 1999 and 2000 or the significant decline in  
22 usage we observed in 2001. For example, weather-normalized use per customer  
23 increased through most of the 1990s by between 0.5% and 1.0% per year. This  
24 was, in part, driven by adding incrementally larger homes and some minor  
25 increases in base per customer usage—both of which were only partly offset by  
26 increasing efficiency in these new homes and from periodic replacement of

1 older less efficient air conditioners, heat pumps and refrigerators in established  
2 homes. However, beginning in the middle of 1999 and carrying through most of  
3 2000, average residential usage increased much more rapidly than these models  
4 suggested it would. These deviations from historical trends were then reversed  
5 in a fairly dramatic way in the summer of 2001 – again without much support  
6 from the econometric models.

7  
8 In an effort to better understand these trends, APS used a technique in 2001  
9 known as conditional demand analysis (“CDA”) to identify the key sources of  
10 growth and decline in usage in these years. CDA is a statistical technique that  
11 allows the econometrician to separate the systematic differences in usage across  
12 households according to the systematic differences in household characteristics.  
13 These characteristics include home size (in square feet), number of people living  
14 in the home, the type and age of heating and cooling equipment in the home and  
15 the presence or absence of other key appliances. The results of the CDA process  
16 are estimates of the annual energy consumption for each electric end use  
17 included in the model. Notably, while APS has conducted similar studies in the  
18 past, 2001 was the first study that allowed us to estimate the stand-alone  
19 electricity consumption effects of home computers.

20  
21 Several key findings emerged from this analysis. First, virtually all of the “above  
22 normal” increase in usage in 1999 and 2000 was accounted for by non-weather-  
23 sensitive equipment. At least ¼ or more of the growth in residential usage from  
24 1997 to 2000 was accounted for by growth in personal computer ownership.  
25 Much of the remaining growth was likely driven by the increased personal  
26 ownership of other household electronics such as audio and visual equipment,

1 non-computer home office equipment (e.g., fax machines), and computer-related  
2 equipment (e.g., printers). Data from the U.S. Bureau of Economic Analysis  
3 (“BEA”) show that the year 1999 was specifically characterized by  
4 exceptionally high purchases of household electronics. The declining real price  
5 of these electronic appliances in conjunction with the high household income  
6 gains in those years (related partly to higher real wages and partly to the wealth  
7 effect of large capital gains in the stock market) is the most likely explanation  
8 for these trends. Second, the relative intensity of weather-sensitive usage (on a  
9 constant efficiency and square foot basis) changed very little in 1999 and 2000.  
10 In contrast, the cooling intensity (the degree to which customers cooled their  
11 residence) in the desert region declined by 6% in 2001, which amounted to  
12 about 115 kWh per customer per month. That is, holding weather, home size,  
13 and A/C efficiency constant, APS observed a behavior-related conservation  
14 effect of 115 kWh per customer per month, which is equivalent to every  
15 customer raising the thermostat by 2.5°. Given the media coverage of blackouts  
16 in California, the conservation appeals from Arizona’s Governor and the  
17 Company’s own messages asking customers to conserve, it was not unexpected  
18 to see some impact from conservation. However, the historical experience with  
19 voluntary calls for conservation would not have predicted the magnitude of this  
20 conservation effort, which was quite unexpected. A third key finding was that  
21 the vast majority of other electricity usage trends remained relatively stable.

22  
23 Taking all of these factors into account, APS is presented with some challenges  
24 for projecting residential usage trends going forward. Since the econometric  
25 model has difficulty in fully handling these sorts of effects (primarily because  
26 independent proxy variables that would help explain the historical statistical

1 deviations are difficult to find), APS has relied more on an end-use approach  
2 that provides for greater control over the assumptions regarding the conservation  
3 effect and the household base usage increase. To that end, APS initially  
4 projected for 2002 that roughly 75% of the 2001 conservation effect would  
5 dissipate and that the contribution from new household electronics would run at  
6 roughly 1/3 of its growth in 1999 and 2000. What we have found, however, is  
7 that only about 50% of the conservation effect has dissipated, but base usage has  
8 increased faster than we had anticipated. Therefore, we have revised our  
9 forecast of residential usage up slightly to allow the conservation effect to  
10 dissipate completely over the next two years and for base usage to increase at a  
11 somewhat stronger pace for the next two to three years. Both of these  
12 assumptions are consistent with our view of the business cycle as well as the  
13 fading memories of the crisis-marked summer of 2001. The residential  
14 customer forecast that makes up the remainder of the residential sales forecast  
15 has been revised down slightly to account for the weaker growth to date than we  
16 had originally anticipated and the recognition that the overall rebound in  
17 economic activity is likely to be less robust in the next year or two.

#### 18 19 Non-Residential Forecast

20 With respect to business sales, APS uses an econometric model relating monthly  
21 commercial and industrial class sales (excluding sales to large mining loads) to  
22 independent factors such as job growth (for Arizona excluding Pima County),  
23 office and retail building floor space additions (in metro-Phoenix only), the real  
24 price of electricity and weather effects. Historical job growth data is defined as  
25 non-farm payroll employment as published by DES in concert with the U.S.  
26 Bureau of Labor Statistics ("BLS"). Job growth has been used by APS for many

1 years to forecast sales to business customers. The job growth data have certain  
2 advantages: it is the single best measure of economic activity available (meaning  
3 that it is published on a timely basis and, relative to other available measures,  
4 has generally smaller revisions to the previously published data); it has  
5 sufficient detail to allow us to exclude the effects of economic activity in Tucson  
6 Electric Power's ("TEP") service territory; and, it contains industry detail that  
7 could potentially help explain changes in energy intensity trends over time.  
8 Furthermore, the use of historical and projected labor force participation rates by  
9 age and sex allow for a consistency tie between the population growth and age  
10 distribution assumptions driving residential customer growth and the job growth  
11 that should naturally correspond with this.

12  
13 Since 1999, however, APS has relied almost exclusively on a model based more  
14 on floor stock additions. While overall job growth and floor space additions are  
15 both strongly correlated over time with non-residential sales, the floor space  
16 projections can be prepared to account for significant changes in non-residential  
17 market share between APS and SRP in metro-Phoenix. Job growth projections  
18 cannot. Our near-term floor space projections are driven in large part by detailed  
19 commercial building construction activity available from the ASU Real Estate  
20 Center. In 1999 and 2000, APS and SRP experienced trends in metro-Phoenix  
21 commercial building construction activity that deviated significantly from the  
22 historical share that each has received from that activity. Specifically, APS  
23 received 62% of the new construction market in 1999 compared to the historical  
24 average of 50%, and it was the location of these construction projects that led to  
25 the significant increase in business customer sales in 1999 and 2000. While the  
26 floor space data has imperfections as well – coverage is only for metro-Phoenix,

1 it excludes many building types such as manufacturing, warehouse, and hospital  
2 facilities, and it covers only the leased portion of the commercial real estate  
3 market – its advantages make it superior, at the moment, to using job growth as  
4 the main proxy for business customer electricity demand growth.

5  
6 As shown in Schedule PME-3, business sales in 2001 actually declined in  
7 response to the slowing economy. In particular, office vacancy rates in metro-  
8 Phoenix have climbed to almost 18% and manufacturing activity has declined  
9 substantially over the past year and a half. APS expects sales growth in 2003  
10 and 2004 to increase at rates consistent with those of the late 1990s as the  
11 economy continues its gradual recovery. This should mean that office vacancy  
12 rates should start declining as absorption turns positive and exceeds new supply  
13 and as the manufacturing sector begins to recover. Initial signs are that  
14 manufacturing job growth in metro Phoenix has stabilized and may start  
15 increasing in the 4<sup>th</sup> quarter of 2002 or 1<sup>st</sup> quarter of 2003. Significant  
16 uncertainty remains, though, as to the health of this sector and its relative  
17 strength going forward.

18 **Q. HOW ACCURATE HAVE APS LOAD AND ENERGY FORECASTS**  
19 **BEEN OVER TIME?**

20 **A.** I have just described some trends in electricity consumption that make  
21 forecasting an inherently imprecise exercise. Now, I would like to expand a bit  
22 on the broader accuracy question. Schedule PME-6 shows the relative accuracy  
23 of retail energy and peak demand forecasts going back to 1993, measured by  
24 mean absolute percent error, by the time horizon being compared against. This  
25 table demonstrates that the forecasting accuracy is good, but as one would  
26 expect, the level of accuracy declines the farther out into the future one is

1 forecasting. For example, retail energy sales projections one year ahead have  
2 missed on average by plus or minus 1.6% for the last 5 years. In contrast, 5-year  
3 ahead forecasts – starting with the 1992 forecast for 1997 and ending with the  
4 1996 forecast for 2001 – show an average error rate of 10.3%. A similar result  
5 is apparent for projections of retail peak demand, although the error rates are  
6 somewhat higher (reflecting the obviously more difficult task of predicting the  
7 single highest demand hour each year compared to the total amount of energy  
8 required). The individual forecasts used to calculate these error rates are shown  
9 in Schedule PME-7.

10  
11 **Q. DOES THIS MEAN WE SHOULD NOT RELY ON FORECASTS?**

12 **A.** No. But these comparisons highlight the difficulty forecasters face in attempting  
13 to achieve a high degree of accuracy far out into the future and correspondingly  
14 stress the need for continual adjustment and updating of the forecasts as new  
15 information becomes available. Forecasts from the early 1990s were certainly  
16 influenced by the slow pace of the economic recovery coming out of the 1990-  
17 91 recession and the uncertainty of how strong population migration would turn  
18 out to be and what kinds of jobs would be created in the coming decade.  
19 Importantly, the DES population estimates, which were relied on to establish the  
20 overall trends in population migration and job growth, proved to be terribly  
21 inaccurate through 1995. This was only discovered through the results of a  
22 special census for Maricopa County in 1995, which census was published in  
23 1996. The result was that DES had underestimated the population growth in  
24 metro-Phoenix by 60%, or by some 117,000 people between 1990 and 1995.  
25 During this same time, many forecasters, including those at APS, were  
26 concerned that the housing growth that had been observed in the prior several

1 years was far more than could be supported by the underlying population growth  
2 estimated by DES. We therefore expected that a retrenchment of growth would  
3 emerge in the then-near future. Of course, hindsight has shown that this was not  
4 the case.

5  
6 In addition, some of the major investment projects that occurred in metro-  
7 Phoenix during the mid-1990s, including the \$1 billion expansion of Intel's  
8 manufacturing facility in Chandler, the construction of the \$350 million Bank  
9 One Ballpark, the expansion of the Mayo Clinic facilities and other major  
10 projects, had a substantial impact on construction and manufacturing jobs. These  
11 in turn ultimately affected income growth and population migration in both the  
12 APS and SRP service areas in ways that exceeded the expectations for economic  
13 growth at the time the forecasts were prepared and are the type of events that are  
14 very difficult to predict more than just a few years ahead.

15  
16 APS also faces the additional uncertainty of whether retail access will emerge as  
17 a significant factor. Although many indicators suggest that the most likely  
18 impact will be small, nobody can predict how conditions might change such that  
19 a significant retail access market emerges, thus significantly impacting both  
20 future load forecasts and the difficulty in accurately making such forecasts. An  
21 important consideration with respect to the current forecast is that we have made  
22 no adjustment to account for any potential retail access amount. That is, we  
23 have not reduced our forecast of peak demand and energy by one MW or one  
24 MWH in the expectation that we might lose standard offer customers to  
25 competitive retail energy service providers.  
26

1           Aside from even these influences, the peak demand forecasts also suffer from  
2 further uncertainty because the conversion from forecasts of energy sales to  
3 class coincident peak contributions is dependent on a reconciliation of each  
4 year's system peak with the results from a randomly drawn statistical sample of  
5 retail customers. The load factors that have resulted from the class coincident  
6 peak contributions have historically been volatile. On top of this volatility is  
7 added volatility from the estimate of system losses at the time of the system  
8 peak. System loss rates coincident with the system peak are based on historical  
9 observation on the EHV system, engineering estimates of distribution level  
10 losses, and a remaining "plug" amount that captures any remaining difference  
11 between the class-level estimates and the overall system demand. This final  
12 "plug" amount contains any estimation errors from the estimate of distribution  
13 losses, sampling error from the class-level demand estimates, Company use at  
14 the time of the system peak and power theft at the time of the system peak.  
15 Schedule PME-8 shows how these rates have changed, by component, over  
16 time. What should be apparent from these descriptions is just how difficult it is  
17 to accurately forecast such unknowns, with the conclusion that, at best, a  
18 forecast can pick a middle-of-the-road expected value and recognize that actual  
19 results will most likely be somewhat different.

20  
21           A final consideration in assessing the overall forecast accuracy is that the  
22 forecasts through 1998 also included an expectation that Commission-authorized  
23 demand-side management ("DSM") programs would continue to be a major  
24 restraining factor in the growth of retail energy needs. Since then, funding for  
25 such DSM has been redirected to the EPS.

26

1 This discussion should serve to highlight some of the key uncertainties residing  
2 in the current forecast and how those uncertainties loom larger the farther out in  
3 time a forecast attempts to reach. One of the main issues that confronts  
4 forecasters today is the question of whether the economic growth experienced in  
5 the 1990s will be repeated, or even exceeded, in the next 10 years. We simply  
6 can't say for sure whether it will or will not, even though our expected growth  
7 rates are fairly comparable to those experienced in the past.

8  
9 IV. RESERVES

10 **Q. HOW DID YOU CALCULATE THE RESERVE REQUIREMENT?**

11 A. The reserve margin is calculated using a 15% reserve margin on APS generating  
12 capacity and unit contingent purchases. This reserve margin is consistent with  
13 the levels we have used in the recent past. Setting planned reserves at 15%  
14 actually provides a higher capacity requirement than the 12% level that FERC  
15 defaults to in its Standard Market Design NOPR. A 15% reserve margin is also  
16 consistent with the range of 13% to 17% included in the Public Service of  
17 Colorado 2001 IRP filing, which was cited favorably by some participants in the  
18 Track B workshops held by the Commission over the summer. As a practical  
19 matter, though, the reserve margin has no impact on the amount of unmet energy  
20 needs. And increasing this number reduces the overall capacity factor on the  
21 competitively procured portion of APS's needs.

22  
23 The applicability of the reserve margin only to our own generating assets is  
24 consistent with our past purchasing practice where all of our reliability  
25 purchases have been executed on a firm basis where the seller of such service  
26 carries the associated reserves. Typically, the Company's optimal dispatch

1 projections explicitly assume that purchases are for firm delivery as prices for  
2 those products are the only ones readily observable in the market.

3  
4 V. APS RESOURCES

5 Q. **HOW DID YOU DETERMINE APS CAPACITY AND ENERGY  
6 RESOURCES FOR PURPOSES OF THE DETERMINATION OF  
7 UNMET NEED?**

8 A. The physical capability of the APS resources for capacity purposes is  
9 calculated by using the net accredited capacity of each unit less any seasonal de-  
10 ratings that would apply at summer peak times. These amounts are shown in  
11 Schedule PME-9. With respect to our generating capacity, several small  
12 changes can be observed over the period 2003 through 2007. The first is that we  
13 are and have been committed to replace the steam generators at each of the Palo  
14 Verde units. These replacements were planned and equipment ordered years  
15 ago. They are scheduled to take place in extended outages in the Fall of 2003  
16 (Unit 2), the Fall of 2005 (Unit 1), and the Fall of 2007 (Unit 3) and will have  
17 the effect of restoring the design capacity of each of the units by roughly 26  
18 MW. The second item is the planned retirement of the Childs/Irving hydro  
19 facilities at the end of 2004 under an agreement that APS has reached with  
20 several environmental groups. This is in addition to placing in cold reserve the  
21 older West Phoenix steam units 4 and 6, which units are not reflected in the  
22 2003 through 2012 figures. These units could, however, be reactivated at some  
23 future date should they become necessary for reliability purposes.

24 For determining unmet energy, we have calculated the output of each unit to the  
25 extent that it could meet APS's hourly load forecast, but have also reduced that  
26 output for expected planned and forced outages and other important operating

1 characteristics limiting output such as ramp rates and minimum loading levels.  
2 The planned outages include the longer outages for the Palo Verde units in 2003,  
3 2005 and 2007 when their steam generators are being replaced. The 10-year  
4 planned maintenance schedule is shown in Schedule PME-10. Schedule PME-11  
5 shows the projected forced outage rates used in these calculations along with the  
6 historical forced outage rates for the past ten years for each unit. As was the case  
7 in the load forecast, the assumptions we have used here are consistent with the  
8 assumptions we have used in developing the Company's operating plans and  
9 that have been shared with other outside parties, including plant co-owners, to  
10 address important business issues.

11  
12 The capability of the eligible purchased power contracts to serve APS retail load  
13 is treated similarly to that of the generating assets, and their summer capacity is  
14 also included in Schedule PME-9. From the Schedule, one can see that the  
15 capacity under the SRP Territorial and Contingent purchase increases by about 8  
16 MW per year in keeping with a formula specified in that particular contract.  
17 Capacity factor limitations apply to and have been modeled for the diversity  
18 exchange contract with PacifiCorp. Additionally, 125 MW of forward reliability  
19 purchases from non-affiliated parties for firm 100% capacity factor on-peak  
20 capacity and energy are included for 2003. Originally, all four of such contracts  
21 were executed in March 2000. However, one of them, a 25 MW deal with  
22 Enron, had to be replaced in 2001 when Enron collapsed.

23  
24 **Q. CAN YOU DESCRIBE WHY THE APS UNIT AND LONG-TERM**  
25 **CONTRACT ENERGY AMOUNTS IN SCHEDULE PME-1 ARE**  
26 **DIFFERENT FROM APS'S RESPONSE TO STAFF'S DATA REQUEST**  
**DATED OCTOBER 22, 2002?**

1 A. Yes. Although each of the amounts has been adjusted, the adjustments are  
2 generally fairly minor and do not materially affect the amount of unmet energy  
3 needs APS has calculated. The largest change in the early years relates to a  
4 purchase contract for 2003 that was inadvertently classified as a reliability  
5 purchase and therefore counted against the unmet energy needs in that year.  
6 (APS has made forward purchases for 2003 beyond the reliability purchases  
7 itemized in Response to Staff's Data Request dated October 22, 2002. These  
8 purchases are in place primarily to protect the Company against rising prices  
9 during the summer of 2003 and during the extended Palo Verde outage in the  
10 fall of 2003.) Other changes are driven by an apparent double-count of certain  
11 solar and renewable energy amounts, but these changes are quite small.

12 **Q. WHAT ADJUSTMENTS DID YOU MAKE TO THE NEEDS**  
13 **ASSESSMENT TO ACCOUNT FOR RMR GENERATION?**

14 A. The calculation for RMR generation from other than APS generating facilities  
15 relies on the current estimate of 3,535 MW of APS transmission import  
16 capability into the metropolitan Phoenix area plus the use of the 660 MW of  
17 APS's local generation. The capability for the local generation can be seen in  
18 Schedule PME-9. The specific units counted as local generation are West  
19 Phoenix combined cycle units 1-3, Ocotillo steam units 1 and 2, Ocotillo  
20 combustion turbine units 1 and 2, and West Phoenix combustion turbine units 1  
21 and 2. Forecasted demand in the metro-Phoenix area is a calculated number.  
22 APS also carries reserves of 110 MW for the single largest APS generation  
23 hazard inside the constrained area. The relationship between the metro-Phoenix  
24 demand and the total system demand can be seen in Schedule PME-12. APS  
25 believes this amount of its unmet needs should be identified and addressed  
26

1 separately in the overall procurement plan because of the unique delivery issues  
2 associated with such needs.

3  
4 **Q. WHAT FACTORS AFFECT THE CALCULATION OF RMR NEEDS?**

5 A. The amount of APS generation will remain constant unless and until APS retires units  
6 within the transmission constraint, as was the case when we placed the old West  
7 Phoenix steam units into cold reserve. What can and will vary over time are the  
8 calculation of forecasted metro-Phoenix load, the single largest hazard, and Valley  
9 transmission import capacity.

10 **Q. WHAT IS YOUR RECOMMENDATION ON THE FINAL DETERMINATION  
11 OF RMR?**

12 A. In response to the Track A decision, APS is conducting an RMR study under  
13 Commission Staff supervision which is scheduled to be completed by January  
14 2003. This study should address all of the above considerations. I propose using  
15 my RMR figures as placeholders until completion of the RMR study mandated  
16 by Decision No. 65154, which can then be included in the final bid package.

17 **Q. WHAT IS THE FINAL ADJUSTMENT?**

18 A. APS has reduced its level of unmet needs by including its current plan for grid-  
19 connected solar and renewable resources under the EPS requirements. The plan  
20 assumes that the EPS standard continues at its current funding levels. For  
21 purposes of calculating the unmet capacity and energy needs, APS has not  
22 counted any credits it has earned (for early installation, etc.) that might help it  
23 meet the standard, but included only the amount of real capacity and energy that  
24 we believe will be physically produced by these resources.

25 **Q. DID NOT THE STAFF REPORT INDICATE THAT QF CONTRACTS  
26 WOULD BE NON-CONTESTIBLE?**

1 A. Yes, and APS has a QF contract for at least 25 MW of capacity. APS is not  
2 subtracting this amount because capacity and energy are provided at the  
3 customer's discretion and would not necessarily be available to meet either our  
4 peak capacity or annual energy demands. It does seem appropriate that any  
5 future agreements with QFs should be subject to whatever procurement process  
6 is determined to be appropriate by the Commission in Track B, which I believe  
7 was a consensus position during the Track B workshops.

8

9 VI. ECONOMY ENERGY AND UNFORECAST NEEDS

10 **Q. WILL APS ALSO BE ACQUIRING ENERGY FROM THE**  
11 **COMPETITIVE WHOLESALE MARKET ON AN ECONOMIC BASIS**  
12 **IN ADDITION TO ITS FORECASTED UNMET NEEDS?**

13 A. Using a relatively current forward curve for power and natural gas prices, APS would  
14 expect to make economic purchases that displace production from its existing  
15 generation assets and the SRP T&C contract. These amounts are shown in  
16 Schedule PME-13. However, these purchase amounts are quite sensitive to  
17 movements in the spread between power and natural gas prices (the so-called  
18 "spark spread"). Schedule PME-13 also shows that a relatively mild increase or  
19 decrease of 10% in the spark spread will affect the amount of economic  
20 purchases in 2003 by -16% and +20%, respectively. Although not within the  
21 definition of unmet needs in the Staff Report, Mr. Carlson will discuss  
22 procurement of economy energy and other unforecasted short-term energy (and  
23 demand) needs in his testimony.

24 **Q. WHAT ABOUT UNANTICIPATED RELIABILITY NEEDS NOT**  
25 **SHOWN IN YOUR NEEDS ASSESSMENT?**

26 A. Almost certainly such unforecasted needs will exist, and it is the main reason  
that resource plans include a planning reserve margin. Unanticipated outages,

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the extension or rescheduling of planned outages, unusually hot weather, etc., can all require additional purchases to be made. This is discussed at page 4 of the Staff Report, lines 25 – 27. Mr. Carlson also addresses these secondary procurements in his testimony.

VII. CONCLUSION

**Q. DO YOU HAVE ANY CONCLUDING REMARKS?**

A. Yes. Although load and energy forecasting is as much art as science, APS takes great pains to produce as accurate a forecast as possible. Critical business and financial decisions are made in reliance on that forecast. As to the other portions of my needs assessment, I have tried to follow the basic formula set forth in the Staff Report, which the Company believes is consistent with the Commission's order in Decision No. 65154.

**Q. DOES THAT CONCLUDE YOUR PREFILED DIRECT TESTIMONY IN THIS PROCEEDING?**

A. Yes, it does.

**SCHEDULE PME-1**  
**APS Projected Unmet Capacity and Energy Needs**  
**2003 - 2012**

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Capacity (MW)</b>										
Total standard offer load <sup>1)</sup>	5,723	6,023	6,269	6,522	6,787	7,064	7,357	7,667	7,914	8,127
+ 15% reserve margin <sup>2)</sup>	598	602	602	606	606	609	609	609	609	609
- Physical capability of APS units <sup>3)</sup>	(3,927)	(3,953)	(3,949)	(3,975)	(3,975)	(4,001)	(4,001)	(4,001)	(4,001)	(4,001)
- Full capability of purchase contracts <sup>4)</sup>	(955)	(837)	(844)	(852)	(860)	(868)	(876)	(884)	(893)	(902)
- RMR generation from non-APS units <sup>5)</sup>	(29)	(184)	(338)	(493)	(647)	(802)	(956)	(1,111)	(1,265)	(1,426)
- Planned renewable energy supply under EPS <sup>6)</sup>	(9)	(17)	(23)	(29)	(34)	(46)	(56)	(70)	(79)	(89)
= Net unmet reliability needs <sup>7)</sup>	1,401	1,634	1,717	1,779	1,877	1,956	2,077	2,210	2,285	2,318
<b>Energy (GWH)</b>										
Total standard offer load <sup>1)</sup>	26,494	27,841	28,999	30,178	31,388	32,670	33,983	35,305	36,425	37,531
- Physical capability of APS units <sup>3)</sup>	(24,016)	(25,242)	(25,663)	(26,496)	(26,941)	(28,179)	(28,707)	(29,182)	(29,567)	(29,931)
- Full capability of purchase contracts <sup>4)</sup>	(1,798)	(1,672)	(1,986)	(2,044)	(2,281)	(2,140)	(2,358)	(2,551)	(2,719)	(2,870)
- RMR generation from non-APS units <sup>5)</sup>	(0)	(2)	(8)	(27)	(72)	(141)	(248)	(398)	(540)	(705)
- Planned renewable energy supply under EPS <sup>6)</sup>	(41)	(85)	(114)	(142)	(154)	(197)	(221)	(267)	(290)	(312)
= Net unmet reliability needs <sup>7)</sup>	639	840	1,228	1,469	1,940	2,013	2,449	2,907	3,309	3,713

<sup>1)</sup> Standard offer load includes all retail customer energy and coincident peak demands plus APS wholesale contracts served by APS resources from Oct 2002 budget projections. Under Staff's proposal, this calculation would be updated prior to any actual procurement.

<sup>2)</sup> Reserve margin is calculated on APS generation and known contingent purchases only.

<sup>3)</sup> Includes the production from all rate-based APS generation units subject to standard planned and forced outage assumptions.

<sup>4)</sup> Includes firm purchase contracts entered into prior to September 1, 2002.

<sup>5)</sup> RMR generation assumes a Valley import limit of 3,535 MW, 660 MW of local APS generation, and 110 MW of required reserves. To the extent that bidders can demonstrate higher import capability or import capacity is increased, RMR would be reduced, all else remaining the same. The present import limit of 3,535 MW assumes timely completion of the Southwest Valley line and also uses its most recent (and higher) capacity rating.

<sup>6)</sup> Includes solar and renewable resource additions planned each year under current funding levels. To the extent the Commission approves higher funding levels, capacity and energy under EPS will increase.

<sup>7)</sup> Energy figures do not include economy purchases, which as noted in Schedule PME-13 would add some 3,700 gwh in 2003 (and more in subsequent years) assuming present forecasts of gas and power costs.

# SCHEDULE PME-2

## Annual System Energy and Peak Demand

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b><u>ENERGY BY CLASS OF CUSTOMER</u></b>										
1. RESIDENTIAL mWh	10,934,903	11,534,451	12,077,288	12,631,134	13,135,134	13,639,135	14,153,175	14,701,351	15,084,873	15,476,427
2. COMMERCIAL & INDUSTRIAL mWh	13,459,066	14,113,291	14,646,156	15,188,184	15,809,596	16,497,394	17,204,130	17,885,076	18,543,216	19,180,129
3. IRRIGATION mWh	34,781	33,531	32,374	31,229	30,128	29,079	28,050	27,078	26,126	25,215
4. STREETLIGHTING mWh	108,247	112,469	116,639	120,777	124,906	129,024	133,135	137,245	140,661	144,076
5. APS WHOLESAL mWh	204,950	206,868	208,936	211,026	213,136	215,267	217,420	219,594	221,790	224,008
6. LOSSES mWh	1,751,730	1,840,843	1,917,363	1,995,310	2,075,353	2,160,101	2,246,902	2,334,300	2,408,380	2,481,530
8. APS OWN LOAD Total mWh	26,493,677	27,841,453	28,998,756	30,177,660	31,388,254	32,670,000	33,982,813	35,304,645	36,425,046	37,531,386

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b><u>PEAK DEMAND BY CLASS OF CUSTOMER</u></b>										
1. RESIDENTIAL mW	2,599	2,743	2,874	3,007	3,127	3,247	3,370	3,500	3,591	3,685
2. COMMERCIAL & INDUSTRIAL mW	2,483	2,578	2,704	2,792	2,909	3,036	3,174	3,320	3,448	3,545
3. IRRIGATION mW	8	8	7	7	6	6	6	6	6	5
4. STREETLIGHTING mW	-	-	-	-	-	-	-	-	-	-
5. APS WHOLESAL mW	7	7	7	7	7	7	8	8	8	8
6. LOSSES mW	626	687	677	709	737	767	800	834	862	885
8. APS OWN LOAD Total mW	5,723	6,023	6,269	6,522	6,787	7,064	7,357	7,667	7,914	8,127

# SCHEDULE PME-3

## Annual Energy Growth Rates

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Average 93 TO 97	Average 98 TO 02	Average 92 TO 02
<b>ENERGY GROWTH HISTORY</b>														
1. RESIDENTIAL	2.7%	5.2%	3.5%	5.7%	6.5%	4.3%	5.7%	6.5%	8.5%	1.7%	6.3%	5.1%	5.7%	5.4%
2. COMMERCIAL & INDUSTRIAL	0.9%	3.6%	3.9%	3.9%	4.9%	3.4%	3.7%	4.3%	11.9%	-1.3%	3.4%	3.9%	4.3%	4.1%
3. MINING LOADS	5.6%	-0.7%	-0.2%	2.2%	0.2%	1.4%	7.0%	-30.3%	-35.6%	-3.1%	-39.5%	0.6%	-22.4%	-11.7%
4. IRRIGATION	-26.0%	-5.6%	18.3%	-9.6%	1.8%	-7.7%	-24.9%	18.1%	-12.8%	-67.0%	13.8%	-1.1%	-21.9%	-12.1%
5. STREETLIGHTING	3.1%	1.8%	2.2%	2.1%	7.5%	2.0%	5.4%	3.8%	3.6%	2.0%	5.3%	3.1%	4.0%	3.6%
6. APS WHOLESAL	-1.3%	-46.9%	3.5%	-21.2%	-10.9%	-13.2%	-29.3%	-2.8%	42.7%	-14.3%	-22.3%	-19.6%	-8.2%	-14.1%
7. RETAIL + APS WHOLESAL SALES	1.6%	1.6%	3.5%	3.8%	4.9%	3.3%	4.2%	2.4%	8.0%	-0.5%	3.1%	3.4%	3.4%	3.4%

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Average 03 TO 07	Average 08 to 12	Average 03 to 12
<b>ENERGY GROWTH FORECAST</b>													
1. RESIDENTIAL	6.4%	5.5%	4.7%	4.6%	4.0%	3.8%	3.8%	3.9%	2.6%	2.6%	5.0%	3.3%	4.2%
2. COMMERCIAL & INDUSTRIAL	5.6%	5.0%	3.9%	3.8%	4.2%	4.5%	4.4%	4.1%	3.8%	3.5%	4.5%	4.0%	4.3%
3. MINING LOADS	-8.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.7%	0.0%	-0.8%
4. IRRIGATION	6.4%	-3.6%	-3.5%	-3.5%	-3.5%	-3.5%	-3.5%	-3.5%	-3.5%	-3.5%	-1.6%	-3.5%	-2.6%
5. STREETLIGHTING	3.2%	3.9%	3.7%	3.5%	3.4%	3.3%	3.2%	3.1%	2.5%	2.4%	3.6%	2.9%	3.2%
6. APS WHOLESAL	33.1%	0.9%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	6.7%	1.0%	3.8%
7. RETAIL + APS WHOLESAL SALES	5.9%	5.1%	4.2%	4.1%	4.0%	4.1%	4.0%	3.9%	3.2%	3.0%	4.6%	3.6%	4.1%

## Schedule PME-4 History and Forecast of Key Economic Indicators

	Population (in thousands)		Payroll Employment (in thousands)		Floorspace (Maricopa County)		Retail Sq. ft. (000s)	% Change	% Change	
	Arizona	Maricopa	Maricopa County	Arizona	Office Sq. ft. (000s)	Retail Sq. ft. (000s)				
1992	3,955	2,287	990	1,517	1.2%	1.7%	38,280	0.0%	70,333	3.4%
1993	4,072	2,355	1,036	1,584	4.6%	4.4%	38,280	0.0%	71,379	1.5%
1994	4,214	2,444	1,106	1,692	6.8%	6.8%	38,280	0.0%	73,801	3.4%
1995	4,379	2,551	1,189	1,796	7.4%	6.1%	38,280	0.0%	75,634	2.5%
1996	4,545	2,664	1,273	1,892	7.0%	5.4%	38,306	0.1%	78,136	3.3%
1997	4,707	2,779	1,344	1,985	5.6%	4.9%	39,152	2.2%	82,115	5.1%
1998	4,864	2,890	1,419	2,075	5.6%	4.5%	39,967	2.1%	85,621	4.3%
1999	5,017	2,995	1,487	2,163	4.8%	4.3%	44,830	12.2%	88,547	3.4%
2000	5,169	3,097	1,541	2,243	3.6%	3.7%	47,519	6.0%	91,489	3.3%
2001	5,324	3,196	1,557	2,266	1.1%	1.0%	51,418	8.2%	96,875	5.9%
2002	5,479	3,300	1,557	2,271	0.0%	0.2%	54,218	5.4%	98,375	1.5%
2003	5,634	3,404	1,619	2,357	4.0%	3.8%	54,618	0.7%	101,375	3.0%
2004	5,790	3,509	1,707	2,476	5.4%	5.0%	55,018	0.7%	103,875	2.5%
2005	5,947	3,614	1,799	2,599	5.4%	5.0%	56,718	3.1%	107,572	3.6%
2006	6,105	3,720	1,878	2,703	4.4%	4.0%	59,681	5.2%	112,951	5.0%
2007	6,263	3,826	1,959	2,807	4.3%	3.9%	62,390	4.5%	117,831	4.3%
2008	6,420	3,932	2,017	2,884	3.0%	2.8%	65,163	4.4%	122,816	4.2%
2009	6,577	4,038	2,076	2,962	2.9%	2.7%	68,028	4.4%	127,956	4.2%
2010	6,735	4,145	2,128	3,033	2.5%	2.4%	70,527	3.7%	132,793	3.8%
2011	6,893	4,252	2,189	3,114	2.9%	2.7%	73,351	4.0%	137,214	3.3%
2012	7,051	4,359	2,244	3,185	2.5%	2.3%	76,021	3.6%	141,290	3.0%

**SCHEDULE PME-5  
APS RESIDENTIAL CUSTOMER  
MAJOR APPLIANCE OWNERSHIP**

**By Area**

<i>Estimates <sup>(3)</sup> for All Existing Customers Across All Dwelling Types</i>	<b>DESERT AREA <sup>(1)</sup></b>	<b>HIGH COUNTRY <sup>(2)</sup></b>
<b>COOLING</b>		
A/C or Heat Pump Only	86%	29%
Evaporative Only	7%	35%
Combination	5%	2%
Other (window/wall units, gaspack)	2%	6%
None	0%	28%
<b>HEATING</b>		
Electric	67%	28%
Natural Gas	29%	47%
Propane	2%	15%
Other	1%	10%
None	1%	0%
<b>WATER HEATING</b>		
Electric	56%	29%
Natural Gas	41%	55%
Propane	2%	15%
Solar	1%	1%
<b>CLOTHES DRYING</b>		
Electric	72%	61%
Natural Gas	15%	21%
Propane	0%	5%
None	13%	13%
<b>RANGE/OVEN</b>		
Electric	78%	45%
Natural Gas	20%	38%
Propane	2%	16%
None	0%	1%
<b>OTHER ELECTRIC EQUIPMENT</b>		
Refrigerator	100%	100%
Swimming Pool	18%	1%
Spa	7%	7%
Microwave Oven	97%	96%
Dishwasher	82%	61%
Clothes Washer	91%	90%
Home Computer	69%	60%
Freezer	26%	44%
Color Television	99%	98%
Cable TV / Sat. Dish	44%	46%
VCR	94%	95%
Home Stereo Syst.	74%	73%
DVD Player	25%	18%
Printer	59%	51%

NOTES: (1) Desert Area defined as Phoenix, Yuma, Casa Grande, Eloy, Coolidge, Gila Bend, Wickenburg, and surrounding areas.

(2) High Country defined as Prescott, Sedona, Flagstaff, Winslow, Payson, Globe, Bisbee, Douglas and surrounding areas

(3) Estimates made from surveying a sample of 3,000 randomly selected APS residential customers.

Sample stratified by Area and Age of Dwelling. Survey conducted in May of 2001.

## Schedule PME-6

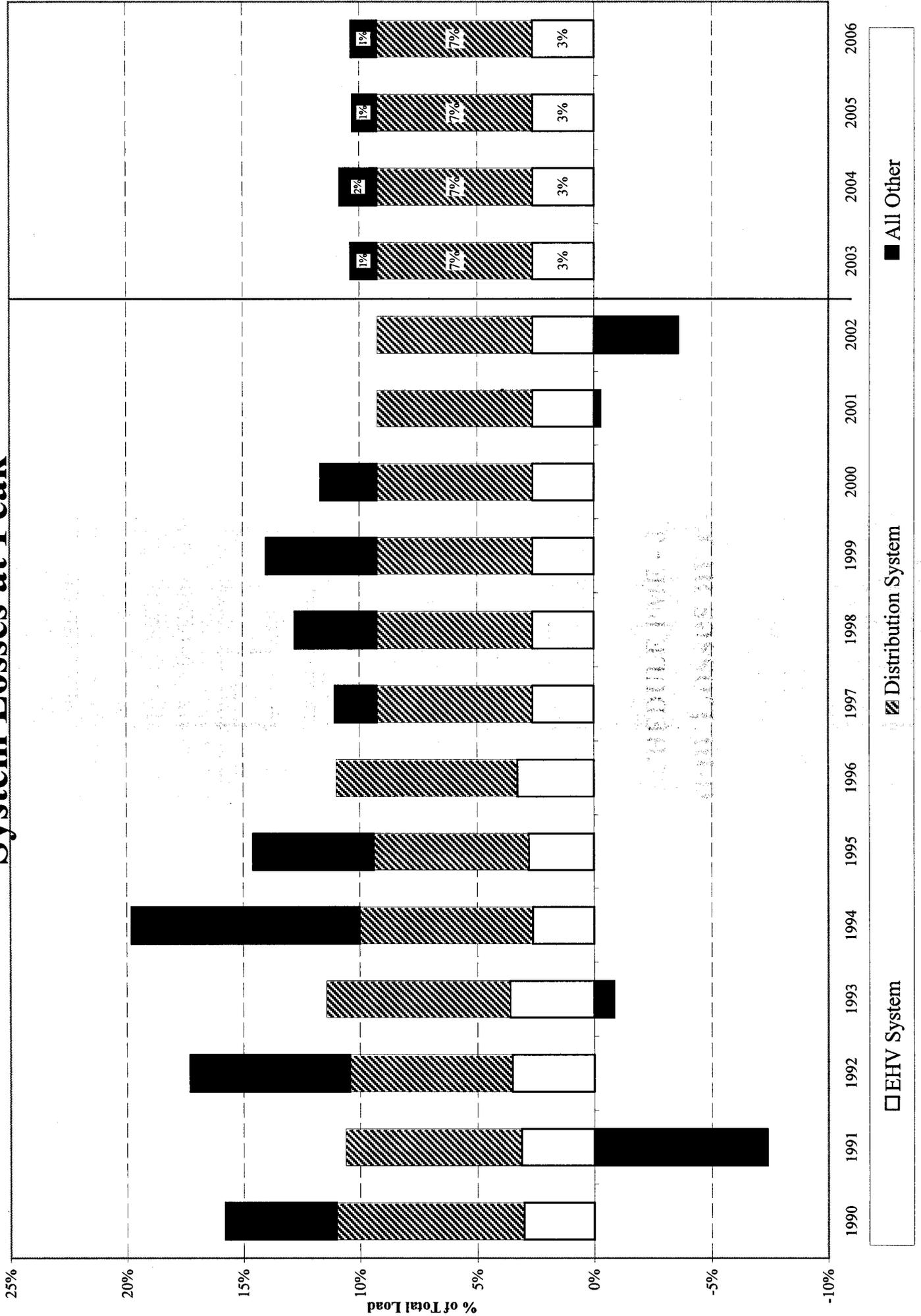
### Accuracy of Peak Demand and Energy Forecasts

Years Projected Ahead	Mean Absolute Percent Error	
	Retail Energy Sales	Retail Peak Demand
1	1.6%	3.1%
2	2.5%	4.6%
3	4.5%	7.2%
4	8.3%	14.7%
5	10.3%	18.1%

**Schedule PME-7**  
**Forecasts of Retail Customer Peak Demands and Energy Sales**  
**By Date of Forecast**

Forecast / Date	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
<b>Annual Retail Peak Forecasted Demand (MW)</b>											
Jan 1992	3,465										
Feb 1993		3,561	3,650	3,786	3,879	3,978	4,051	4,116	4,189	4,266	4,341
Oct 1993		3,565	3,657	3,792	3,843	3,895	3,980	4,067	4,135	4,210	4,281
Feb 1994			3,705	3,791	3,804	3,884	3,946	4,026	4,103	4,178	4,258
Oct 1994			3,705	3,791	3,804	3,884	3,946	4,026	4,103	4,178	4,258
Jun 1995				3,833	3,924	4,001	4,128	4,259	4,388	4,497	4,612
Oct 1995				3,833	3,924	4,001	4,128	4,259	4,388	4,497	4,612
May 1996				4,005	4,085	4,085	4,158	4,223	4,340	4,447	4,556
Oct 1996				4,005	4,085	4,207	4,296	4,372	4,447	4,556	4,669
Feb 1997					4,200	4,268	4,488	4,627	4,769	4,911	5,053
Oct 1997					4,488	4,488	4,664	4,831	4,997	5,164	5,331
Feb 1998						4,778	4,938	5,103	5,268	5,433	5,598
Oct 1998						4,835	5,000	5,165	5,330	5,495	5,660
Apr 1999							4,835	5,000	5,165	5,330	5,495
Oct 1999							5,048	5,213	5,378	5,543	5,708
Apr 2000							5,091	5,256	5,421	5,586	5,751
Oct 2000							5,480	5,645	5,810	5,975	6,140
Apr 2001							5,491	5,656	5,821	5,986	6,151
Oct 2001							5,532	5,697	5,862	6,027	6,192
Apr 2002							5,532	5,697	5,862	6,027	6,192
<b>Actual Peak Demand (MW)</b>	3,796	3,802	4,214	4,420	4,575	4,609	5,072	4,935	5,479	5,687	5,803
<b>Annual Retail Forecasted Sales (GWH)</b>											
Jan 1992	16,005										
Feb 1993		16,599	17,171	17,874	18,476	18,910	19,319	19,710	20,145	20,588	21,031
Oct 1993		16,505	17,020	17,762	17,974	18,203	18,566	19,047	19,425	19,836	20,247
Feb 1994			17,117	17,720	17,694	17,545	18,097	18,144	18,470	18,887	19,304
Oct 1994			17,021	17,536	17,975	17,545	18,097	18,144	18,470	18,887	19,304
Jun 1995				17,926	18,505	18,831	19,332	19,602	20,058	20,448	20,848
Oct 1995				17,926	18,730	19,374	19,957	20,542	21,161	21,710	22,286
May 1996				18,699	19,382	19,382	19,972	20,542	21,161	21,710	22,286
Oct 1996				18,699	19,500	19,500	20,237	20,922	21,607	22,292	22,977
Feb 1997					20,196	20,196	20,828	21,467	22,106	22,745	23,384
Oct 1997					20,382	20,382	21,014	21,653	22,292	22,931	23,570
Feb 1998					20,382	20,382	21,014	21,653	22,292	22,931	23,570
Oct 1998					21,110	21,110	21,742	22,374	23,006	23,638	24,270
Apr 1999					21,110	21,110	21,742	22,374	23,006	23,638	24,270
Oct 1999					21,286	21,286	21,918	22,550	23,182	23,814	24,446
Apr 2000					21,460	21,460	22,092	22,724	23,356	23,988	24,620
Oct 2000					21,460	21,460	22,092	22,724	23,356	23,988	24,620
Apr 2001					23,365	23,365	24,000	24,635	25,270	25,905	26,540
Oct 2001					23,365	23,365	24,000	24,635	25,270	25,905	26,540
Apr 2002					23,365	23,365	24,000	24,635	25,270	25,905	26,540
<b>Actual Retail Sales (GWH)</b>	16,035	16,365	17,465	17,749	19,021	19,817	20,463	21,075	22,535	23,399	24,263

# SCHEDULE PME - 8 System Losses at Peak



**SCHEDULE PME-9  
SEASONAL CAPACITY BY RESOURCE**

Unit	Summer Capacity (MW)										
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Palo Verde 1	362	362	362	362	388	388	388	388	388	388	388
Palo Verde 2	362	362	388	388	388	388	388	388	388	388	388
Palo Verde 3	363	363	363	363	363	363	389	389	389	389	389
Four Corners 1	170	170	170	170	170	170	170	170	170	170	170
Four Corners 2	170	170	170	170	170	170	170	170	170	170	170
Four Corners 3	220	220	220	220	220	220	220	220	220	220	220
Four Corners 4	111	111	111	111	111	111	111	111	111	111	111
Four Corners 5	111	111	111	111	111	111	111	111	111	111	111
Navajo 1	105	105	105	105	105	105	105	105	105	105	105
Navajo 2	105	105	105	105	105	105	105	105	105	105	105
Navajo 3	105	105	105	105	105	105	105	105	105	105	105
Cholla 1	110	110	110	110	110	110	110	110	110	110	110
Cholla 2	245	245	245	245	245	245	245	245	245	245	245
Cholla 3	260	260	260	260	260	260	260	260	260	260	260
W. Phx. CC 1	80	80	80	80	80	80	80	80	80	80	80
W. Phx. CC 2	80	80	80	80	80	80	80	80	80	80	80
W. Phx. CC 3	80	80	80	80	80	80	80	80	80	80	80
Ocotillo Steam 1	110	110	110	110	110	110	110	110	110	110	110
Ocotillo Steam 2	110	110	110	110	110	110	110	110	110	110	110
Saguaro Steam 1	110	110	110	110	110	110	110	110	110	110	110
Saguaro Steam 2	100	100	100	100	100	100	100	100	100	100	100
W. Phx CT 1	50	50	50	50	50	50	50	50	50	50	50
W. Phx CT 2	50	50	50	50	50	50	50	50	50	50	50
Ocotillo CT 1	50	50	50	50	50	50	50	50	50	50	50
Ocotillo CT 2	50	50	50	50	50	50	50	50	50	50	50
Saguaro CT 1	50	50	50	50	50	50	50	50	50	50	50
Saguaro CT 2	50	50	50	50	50	50	50	50	50	50	50
Yucca 1	18	18	18	18	18	18	18	18	18	18	18
Yucca 2	18	18	18	18	18	18	18	18	18	18	18
Yucca 3	52	52	52	52	52	52	52	52	52	52	52
Yucca 4	51	51	51	51	51	51	51	51	51	51	51
Douglas	15	15	15	15	15	15	15	15	15	15	15
Childs / Irving	4	4	4	4	4	4	4	4	4	4	4
APS Gen Total	3,927	3,927	3,953	3,949	3,975	3,975	4,001	4,001	4,001	4,001	4,001
SRP T&C	343	350	357	364	372	380	388	396	404	413	422
Pacificorp Exchange	480	480	480	480	480	480	480	480	480	480	480
<b>APS Resource Total</b>	<b>4,750</b>	<b>4,757</b>	<b>4,790</b>	<b>4,793</b>	<b>4,827</b>	<b>4,835</b>	<b>4,869</b>	<b>4,877</b>	<b>4,885</b>	<b>4,894</b>	<b>4,903</b>

**SCHEDULE PME-9  
SEASONAL CAPACITY BY RESOURCE**

Unit	Winter Capacity (MW)											
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
Palo Verde 1	362	362	362	362	388	388	388	388	388	388	388	388
Palo Verde 2	362	362	388	388	388	388	388	388	388	388	388	388
Palo Verde 3	363	363	363	363	363	363	389	389	389	389	389	389
Four Corners 1	170	170	170	170	170	170	170	170	170	170	170	170
Four Corners 2	170	170	170	170	170	170	170	170	170	170	170	170
Four Corners 3	220	220	220	220	220	220	220	220	220	220	220	220
Four Corners 4	111	111	111	111	111	111	111	111	111	111	111	111
Four Corners 5	111	111	111	111	111	111	111	111	111	111	111	111
Navajo 1	105	105	105	105	105	105	105	105	105	105	105	105
Navajo 2	105	105	105	105	105	105	105	105	105	105	105	105
Navajo 3	105	105	105	105	105	105	105	105	105	105	105	105
Cholla 1	110	110	110	110	110	110	110	110	110	110	110	110
Cholla 2	245	245	245	245	245	245	245	245	245	245	245	245
Cholla 3	260	260	260	260	260	260	260	260	260	260	260	260
W. Phx. CC 1	92	92	92	92	92	92	92	92	92	92	92	92
W. Phx. CC 2	92	92	92	92	92	92	92	92	92	92	92	92
W. Phx. CC 3	92	92	92	92	92	92	92	92	92	92	92	92
Ocotillo Steam 1	110	110	110	110	110	110	110	110	110	110	110	110
Ocotillo Steam 2	110	110	110	110	110	110	110	110	110	110	110	110
Saguaro Steam 1	110	110	110	110	110	110	110	110	110	110	110	110
Saguaro Steam 2	100	100	100	100	100	100	100	100	100	100	100	100
W. Phx CT 1	62	62	62	62	62	62	62	62	62	62	62	62
W. Phx CT 2	62	62	62	62	62	62	62	62	62	62	62	62
Ocotillo CT 1	62	62	62	62	62	62	62	62	62	62	62	62
Ocotillo CT 2	62	62	62	62	62	62	62	62	62	62	62	62
Saguaro CT 1	62	62	62	62	62	62	62	62	62	62	62	62
Saguaro CT 2	62	62	62	62	62	62	62	62	62	62	62	62
Yucca 1	22	22	22	22	22	22	22	22	22	22	22	22
Yucca 2	22	22	22	22	22	22	22	22	22	22	22	22
Yucca 3	62	62	62	62	62	62	62	62	62	62	62	62
Yucca 4	61	61	61	61	61	61	61	61	61	61	61	61
Douglas	19	19	19	19	19	19	19	19	19	19	19	19
Childs / Irving	4	4	4	4	4	4	4	4	4	4	4	4
APS Gen Total	4,067	4,067	4,089	4,089	4,115	4,115	4,141	4,141	4,141	4,141	4,141	4,141
SRP T&C	336	343	350	357	364	372	380	388	396	404	413	413
<b>APS Resource Total</b>	<b>4,403</b>	<b>4,410</b>	<b>4,439</b>	<b>4,446</b>	<b>4,479</b>	<b>4,487</b>	<b>4,521</b>	<b>4,529</b>	<b>4,537</b>	<b>4,545</b>	<b>4,554</b>	<b>4,554</b>

**SCHEDULE PME-10**

2003	PLANNED OUTAGE SCHEDULE										Month from Last O.H.	
	PLANT	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	START	END	START	END	Last O/H	Months
PALO VERDE	1					362					11/02/02	14
	2	ST GEN REF		76		362			09/27/03	12/11/03	04/20/02	18
	3	REF		36		363	03/29/03	05/03/03			11/03/01	18
NAVAJO	1	MINOR		41		105	01/18/03	02/27/03			02/18/01	25
	2					105					02/24/02	23
	3	MAJOR		58		105	03/08/03	05/04/03			03/25/01	26
FOUR CORNERS	1					170					05/26/02	19
	2					170					04/04/01	33
	3	MAJOR		47		220	03/25/03	05/10/03			12/05/00	30
	4	Reliab Wash		14		111	02/01/03	02/14/03			04/04/01	23
	5	RELIAB.		14		111			11/29/03	12/12/03	03/29/02	21
CHOLLA	1					110					03/09/01	34
	2					245					05/18/02	20
	3	MINOR		36		260	02/15/03	03/22/03			04/02/00	36
WEST PHOENIX	CC1	Mini		7		85	03/01/03	03/07/03			04/25/02	21
	CC2	HGP		42		85			10/04/03	11/14/03	03/03/02	21
	CC3	Comb		28		85	03/29/03	04/25/03			12/13/02	4
	GT1	Mini		7		55	02/08/03	02/14/03			01/18/02	13
	GT2	Mini		7		55	01/25/03	01/31/03			01/18/02	13
OCOTILLO	1	MINOR		21		110	03/01/03	03/21/03			03/31/01	24
	2	MINOR				110					04/07/02	21
	GT1	Mini		7		55	04/19/03	04/25/03			02/01/02	15
	GT2	Mini		7		55	01/11/03	01/17/03			04/19/02	9
SAGUARO	1	MINOR		21		110	02/02/03	02/22/03			04/03/02	11
	2	MINOR		21		100			11/01/03	11/21/03	05/10/02	19
	GT1	Comb		35		55	03/02/03	04/05/03			04/25/01	24
	GT2	Mini		5		55	01/21/03	01/25/03			04/20/01	33
DOUGLAS	GT	Comb		28		16	05/01/03	05/28/03				
YUCCA	GT1					19					02/12/02	23
	GT2					19					03/02/02	22
	GT3					55					04/28/01	33
	GT4					54					05/05/02	20

**SCHEDULE PME-10**

2004										Month from Last O.H	
PLANT	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	START	END	START	END	Last O/H	Months
										PLANNED OUTAGE SCHEDULE	Month from Last O.H
PALO VERDE	1	REF	36		362	04/03/04	05/08/04			11/02/02	18
	2				362					12/11/03	13
	3	REF	36		363	10/02/04	11/06/04			05/03/03	18
NAVAJO	1				105					02/27/03	22
	2	MAJOR	58		105	01/31/04	03/28/04			02/24/02	25
	3				105					05/04/03	20
FOUR CORNERS	1				170					05/26/02	32
	2	MAJOR	44		170	03/27/04	05/09/04			04/04/01	38
	3				220					05/10/03	20
	4	MAJOR	70		111	01/03/04	03/12/04			02/14/03	13
	5				111					12/12/03	13
CHOLLA	1	MINOR	21		110	02/14/04	03/05/04			03/09/01	36
	2				245					05/18/02	32
	3	MINOR			260					03/22/03	22
WEST PHOENIX	CC1	Comb	28		85	03/27/04	04/23/04			04/25/02	24
	CC2	Mini	7		85	01/19/04	01/25/04			11/14/03	14
	CC3	Mini	7		85	02/20/04	02/26/04			04/25/03	21
	GT1	Mini	7		55	01/05/04	01/11/04			02/14/03	11
	GT2	Mini	7		55	02/02/04	02/08/04			01/31/03	12
OCOTILLO	1				110					03/21/03	22
	2	MINOR	21		110	10/30/04	11/19/04			04/07/02	32
	GT1	Comb	35		55	02/21/04	03/26/04			04/25/03	11
	GT2	Comb	35		55	01/03/04	02/06/04			01/17/03	13
SAGUARO	1	MINOR	21		110	01/24/04	02/13/04			02/22/03	12
	2	MINOR	21		100	11/29/04	12/19/04			11/21/03	13
	GT1	Mini	5		55	10/13/04	10/17/04			04/05/03	21
	GT2	Comb	35		55	03/26/04	04/29/04			04/20/01	37
DOUGLAS	GT	Mini	5		16	05/05/04	05/09/04			05/28/03	19
YUCCA	GT1	Mini	3		19	01/24/04	01/26/04			02/12/02	35
	GT2	Mini	3		19	02/09/04	02/11/04			03/02/02	35
	GT3	Comb	6		55	05/03/04	05/08/04			04/28/01	45
	GT4				54					05/05/02	32

**SCHEDULE PME-10**

2005		PLANNED OUTAGE SCHEDULE										Month from Last O.H.			
PLANT	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	START	END	START	END	START	END	START	END	Last O/H	Months
PALO VERDE	1	ST GEN REF	76		363			10/01/05	12/15/05					05/08/04	18
	2	REF	36		363		04/02/05	05/07/05						12/11/03	17
	3				365									11/06/04	
NAVAJO	1	MAJOR	58		105		01/08/05	03/06/05						02/27/03	25
	2				105									03/28/04	
	3				105									05/04/03	
FOUR CORNERS	1	MAJOR	44		170		02/19/05	04/03/05						05/26/02	35
	2				170									05/09/04	
	3				220									05/10/03	
	4	RELIAB.	10		111		11/05/05	11/14/05						03/12/04	
	5	MINOR	18		111		04/11/05	04/28/05						12/12/03	17
CHOLLA	1				110									03/05/04	
	2	MAJOR	42		245		04/04/05	05/15/05						05/18/02	36
	3				260									03/22/03	
WEST PHOENIX	CC1	Mini	7		85		01/03/05	01/09/05						04/23/04	
	CC2	Comb	28		85				10/08/05	11/04/05				11/14/03	24
	CC3	MAJOR	84		85		01/15/05	04/08/05						04/25/03	24
	GT1	Mini	14		55		01/26/05	02/01/05		10/01/05	10/07/05			01/11/04	21
	GT2	Mini	14		55		04/09/05	04/15/05		12/10/05	12/16/05			02/08/04	23
OCOTILLO	1	MAJOR	58		113		02/26/05	04/24/05						03/21/03	26
	2				113									11/19/04	
	GT1	Mini	7		55		02/02/05	02/08/05						03/26/04	11
	GT2	Mini	7		55		04/30/05	05/06/05						02/06/04	15
SAGUARO	1	MINOR	35		110		02/14/05	03/20/05						02/13/04	13
	2	MINOR	21		100				10/24/05	11/13/05				12/19/04	11
	GT1	Gen Insp	35		55		03/28/05	05/01/05						04/05/03	25
	GT2	Mini	5		55		02/04/05	02/08/05						04/29/04	
DOUGLAS	GT	Mini	5		16		05/14/05	05/18/05						05/28/03	
YUCCA	GT1				19									02/12/02	
	GT2				19									03/02/02	
	GT3				55									04/28/01	
	GT4	Comb	6		54				10/17/05	10/22/05				05/05/02	

**SCHEDULE PME-10**

2006		PLANNED OUTAGE SCHEDULE										Month from Last O.H.			
PLANT	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	START	END	START	END	START	END	START	END	Last O/H	Months
PALO VERDE	1				363									11/05/05	
	2	REF	36		363			09/30/06	11/04/06					05/07/05	18
	3	REF	36		365		04/01/06	05/06/06						11/06/04	18
NAVAJO	1				105									03/06/05	
	2				105									03/28/04	
	3	MAJOR	31		105		03/04/06	04/03/06						05/04/03	36
FOUR CORNERS	1	Reliabil.	8		170			11/11/06	11/18/06					04/03/05	
	2				170									05/09/04	
	3	MAJOR	57		220		01/28/06	03/25/06						05/10/03	35
	4				111									03/12/04	
	5	Reliabil.	9		111				10/28/06	11/05/06				04/28/05	
CHOLLA	1				110									03/05/04	
	2				245									05/15/05	
	3	MINOR	21		260		03/25/06	04/14/06						03/22/03	37
WEST PHOENIX	CC1	MAJOR	84		85		01/03/06	03/27/06						04/23/04	23
	CC2	Mini	7		85		04/03/06	04/09/06						11/04/05	
	CC3	Mini	7		85		04/15/06	04/21/06						04/08/05	
	GT1	Mini	7		55				11/29/06	12/05/06				10/07/05	14
	GT2				55									12/16/05	
OCOTILLO	1				113									04/24/05	
	2	MINOR	21		113									11/19/04	24
	GT1	Mini	7		55		04/22/06	04/28/06	10/28/06	11/17/06				02/08/05	15
	GT2	Mini	7		55		05/08/06	05/14/06						05/06/05	12
SAGUARO	1	MINOR	21		110		03/04/06	03/24/06						03/20/05	12
	2	MINOR	21		100				11/06/06	11/26/06				11/13/05	13
	GT1	Mini	5		55		05/06/06	05/10/06						05/01/05	
	GT2	Gen Insp	35		55		01/20/06	02/23/06						04/29/04	22
	GT	Mini	5		16		05/17/06	05/21/06						05/28/03	
YUCCA	GT1				19									02/12/02	
	GT2				19									03/02/02	
	GT3				55									04/28/01	
	GT4	Mini	3		54		05/15/06	05/17/06						05/05/02	

**SCHEDULE PME-10**

2007		PLANNED OUTAGE SCHEDULE										Month from Last O.H.			
PLANT	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	START	END	START	END	START	END	START	END	Last O/H	Months
PALO VERDE	1	REF	36		363	03/31/07	05/05/07							11/05/05	18
	2				363									11/04/06	
	3	ST GEN REF	76		365	09/29/07	12/13/07							05/06/06	18
NAVAJO	1				105									03/06/05	
	2	MAJOR	31		105	03/03/07	04/02/07							03/28/04	37
	3				105									04/03/06	
FOUR CORNERS	1				170									04/03/05	
	2	MAJOR	35		170	02/10/07	03/16/07							05/09/04	35
	3	Reliab	8		220			12/01/07	12/08/07					03/25/06	
	4	MINOR	18		111	04/28/07	05/15/07							03/12/04	39
	5				111									04/28/05	
CHOLLA	1	MAJOR	42		110	03/17/07	04/27/07							03/05/04	38
	2				245									05/15/05	
	3				260									04/14/06	
WEST PHOENIX	CC1	Mini	7		85	01/02/07	01/08/07							03/27/06	
	CC2	MAJOR	84		85	01/13/07	04/06/07							11/04/05	17
	CC3	Comb	28		85	04/14/07	05/11/07							04/08/05	25
	GT1				55									12/05/06	
	GT2	Mini	7		55	01/27/07	02/02/07							12/16/05	14
OCOTILLO	1	MINOR	21		113	03/03/07	03/23/07							04/24/05	23
	2				113									11/17/06	
	GT1	Mini	7		55	04/02/07	04/08/07							04/28/06	12
	GT2	Mini	7		55	05/08/07	05/14/07							05/14/06	12
SAGUARO	1	MINOR	21		110	03/01/07	03/21/07							03/24/06	12
	2	MINOR	21		100			11/17/07	12/07/07					11/26/06	13
	GT1	Mini	5		55	03/29/07	04/02/07							05/01/05	
	GT2	Mini	5		55	01/24/07	01/28/07							02/23/06	
	GT	Gen Insp	35		16	04/14/07	05/18/07							05/28/03	48
YUCCA	GT1	Comb	6		19	01/15/07	01/20/07							02/12/02	
	GT2	Comb	6		19	02/05/07	02/10/07							03/02/02	
	GT3				55									04/28/01	
	GT4				54									05/05/02	

**SCHEDULE PME-10**

2008	PLANT	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	PLANNED OUTAGE SCHEDULE				Month from Last O.H			
							START	END	START	END	START	END	Last O/H	Months
	PALO VERDE	1	REF	36		362	03/29/08	05/03/08	10/04/08	11/08/08			05/05/07	18
		2	REF	36		362							11/04/06	18
		3				363							11/03/07	14
	NAVAJO	1				105							03/06/05	47
		2	MAJOR	29		105	03/01/08	03/29/08					04/02/07	12
		3				105							04/03/06	33
	FOUR CORNERS	1	MAJOR	35		170	04/26/08	05/30/08					04/03/05	38
		2	Reliab.	8		170			11/09/08	11/16/08			03/16/07	22
		3				220							03/25/06	34
		4		10		111			10/03/08	10/12/08			05/15/07	20
		5	MAJOR	89		111	01/19/08	04/16/08					04/28/05	36
	CHOLLA	1				110							04/27/07	20
		2	MINOR	21		245	02/09/08	02/29/08					05/15/05	34
		3				260							04/14/06	33
	WEST PHOENIX	CC1	HGP	28		85	01/05/08	02/01/08					03/27/06	23
		CC2	Mini	7		85	04/21/08	04/27/08					04/06/07	21
		CC3	Mini	7		85	04/08/08	04/14/08					05/11/07	20
		GT1	Mini	7		55	04/15/08	04/21/08					12/05/06	17
		GT2	Mini	7		55	03/01/08	03/07/08					02/02/07	13
	OCOTILLO	1				110							03/23/07	22
		2	MINOR	21		110			11/01/08	11/21/08			11/17/06	25
		GT1	HGP	56		55	01/05/08	02/29/08					04/08/07	11
		GT2	HGP	56		55	03/24/08	05/18/08					05/14/07	12
	SAGUARO	1	MINOR	21		110	01/19/08	02/08/08					03/21/07	11
		2	MINOR	21		100			11/01/08	11/21/08			12/07/07	12
		GT1	Mini	5		55	03/09/08	03/13/08					05/01/05	45
		GT2	Mini	5		55	03/28/08	04/01/08					02/23/06	35
		GT	Mini	5		16	04/22/08	04/26/08					05/18/07	20
	YUCCA	GT1				19							02/12/02	84
		GT2				19							03/02/02	83
		GT3	Mini	3		55			10/20/08	10/22/08			04/28/01	93
		GT4				54							05/05/02	81

**SCHEDULE PME-10**

2009		PLANNED OUTAGE SCHEDULE												Month from Last O.H.			
PLANT	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	START	END	START	END	START	END	START	END	START	END	Last O/H	Months
PALO VERDE	1				363											11/08/08	
	2	REF	36		363			10/03/09	11/07/09							05/03/08	18
	3	REF	36		365		04/04/09	05/09/09								11/03/07	18
NAVAJO	1				105											03/06/05	
	2				105											03/29/08	
	3	MAJOR	59		105		01/02/09	03/01/09								04/03/06	35
FOUR CORNERS	1	Reliab.	8		170			11/14/09	11/21/09							05/30/08	
	2				170											03/16/07	
	3	MAJOR	36		220		02/19/09	03/26/09								03/25/06	37
	4				111											05/15/07	
	5	Reliab.	9		111				10/24/09	11/01/09						04/16/08	
CHOLLA	1				110											04/27/07	
	2				245											02/29/08	
	3	MAJOR	42		260		03/21/09	05/01/09								04/14/06	37
WEST PHOENIX	CC1	Mini	7		85		02/12/09	02/18/09								02/01/08	
	CC2	Comb	28		85				11/03/09	11/30/09						04/06/07	32
	CC3	Comb	28		85		01/10/09	02/06/09								05/11/07	21
	GT1	Comb	56		55		01/17/09	03/13/09								04/21/08	11
	GT2	Comb	56		55		03/07/09	05/01/09								03/07/08	14
OCOTILLO	1	MINOR	21		113		02/26/09	03/18/09								03/23/07	24
	2				113											11/21/08	
	GT1	Mini	7		55		02/02/09	02/08/09								02/29/08	12
	GT2	Mini	7		55		04/30/09	05/06/09								05/18/08	12
SAGUARO	1	MINOR	21		110		02/21/09	03/13/09								02/08/08	13
	2	MINOR	21		100				10/31/09	11/20/09						11/21/08	12
	GT1	Mini	5		55		04/04/09	04/08/09								05/01/05	
	GT2	Mini	5		55		02/04/09	02/08/09								02/23/06	
	GT	Mini	5		16		05/14/09	05/18/09								05/18/07	
YUCCA	GT1				19											02/12/02	
	GT2				19											03/02/02	
	GT3				55											04/28/01	
	GT4				54											05/05/02	

**SCHEDULE PME-10**

2010		PLANNED OUTAGE SCHEDULE										Month from Last O.H.			
PLANT	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	START	END	START	END	START	END	START	END	Last O/H	Months
PALO VERDE	1	REF	36		363	04/03/10	05/08/10							11/08/08	18
	2				363									11/07/09	
	3	REF	36		365			10/02/10	11/06/10					05/09/09	18
NAVAJO	1				105									03/06/05	
	2	MINOR	32		105	02/01/10	03/04/10							03/29/08	24
	3				105									03/01/09	
FOUR CORNERS	1				170									05/30/08	
	2	MAJOR	35		170	04/03/10	05/07/10							03/16/07	38
	3	Reliab.	8		220			11/06/10	11/13/10					03/26/09	
	4	MAJOR	59		111	01/23/10	03/22/10							05/15/07	35
	5				111									04/16/08	
CHOLLA	1	MINOR	21		110	03/13/10	04/02/10							04/27/07	36
	2				245									02/29/08	
	3				260									05/01/09	
WEST PHOENIX	CC1	Comb	28		85	02/12/10	03/11/10							02/01/08	26
	CC2	Mini	7		85	01/10/10	01/16/10							11/30/09	
	CC3	Mini	7		85	04/24/10	04/30/10							02/06/09	
	GT1	Mini	7		55	01/26/10	02/01/10							03/13/09	11
	GT2	Mini	7		55	05/15/10	05/21/10							05/01/09	13
OCOTILLO	1				113									03/18/09	
	2	MINOR	21		113			11/29/10	12/19/10					11/21/08	25
	GT1	Mini	7		55	03/13/10	03/19/10							02/08/09	13
	GT2	Mini	7		55	04/21/10	04/27/10							05/06/09	12
SAGUARO	1	MINOR	21		110	02/21/10	03/13/10							03/13/09	12
	2	MINOR	21		100			11/29/10	12/19/10					11/20/09	13
	GT1	Mini	5		55	03/28/10	04/01/10							05/01/05	
	GT2	Mini	5		55	02/04/10	02/08/10							02/23/06	
DOUGLAS	GT	Mini	5		16	05/14/10	05/18/10							05/18/07	
YUCCA	GT1				19									02/12/02	
	GT2				19									03/02/02	
	GT3				55									04/28/01	
	GT4				54									05/05/02	

**SCHEDULE PME-10**

PLANT	2011	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	PLANNED OUTAGE SCHEDULE				Month from Last O. Last O/H Months	
							START	END	START	END		
PALO VERDE		1	REF	36		363		10/01/11	11/05/11		05/08/10	18
		2	REF	36		363		04/02/11	05/07/11		11/07/09	18
		3				365					11/06/10	
NAVAJO		1	MAJOR	57		105		03/04/11	04/29/11		03/06/05	75
		2				105					03/04/10	
		3				105					03/01/09	
FOUR CORNERS		1	MAJOR	35		170		04/16/11	05/20/11		05/30/08	36
		2	Reliab.	8		170		11/06/11	11/13/11		05/07/10	
		3				220					03/26/09	
		4	Reliab.	10		111		10/13/11	10/22/11		03/22/10	
		5	MINOR	18		111		02/12/11	03/01/11		04/16/08	35
CHOLLA		1				110					04/02/10	
		2	MINOR	21		245		03/21/11	04/10/11		02/29/08	38
		3				260					05/01/09	
WEST PHOENIX		CC1	Mini	7		85		04/09/11	04/15/11		03/11/10	
		CC2	Comb	28		85		10/24/11	11/20/11		11/30/09	24
		CC3	HGP	42		85		01/29/11	03/11/11		02/06/09	25
		GT1	Mini	7		55		01/03/11	01/09/11		02/01/10	11
		GT2	Mini	7		55		05/14/11	05/20/11		05/21/10	12
OCOTILLO		1	MINOR	21		113		02/26/11	03/18/11		03/18/09	24
		2				113					12/19/10	
		GT1	Mini	7		55		01/15/11	01/21/11		03/19/10	10
		GT2	Mini	7		55		04/30/11	05/06/11		04/27/10	12
SAGUARO		1	MINOR	21		110		02/26/11	03/18/11		03/13/10	12
		2	MINOR	21		100		11/28/11	12/18/11		12/19/10	12
		GT1	Mini	5		55		03/28/11	04/01/11		05/01/05	
		GT2	Mini	5		55		02/11/11	02/15/11		02/23/06	
DOUGLAS		GT	Mini	5		16		05/11/11	05/15/11		05/18/07	
YUCCA		GT1				19					02/12/02	
		GT2				19					03/02/02	
		GT3	MAJOR	16		55		04/09/11	04/24/11		04/28/01	122
		GT4				54					05/05/02	

**SCHEDULE PME-10**

2012	PLANNED OUTAGE SCHEDULE												Month from Last O.H			
	PLANT	UNIT	O.H. TYPE	TOT. #DYS	ST/OT	CAPACITY	START	END	START	END	START	END	START	END	Last O/H	Months
PALO VERDE	1					362									11/05/11	14
	2	REF		36		362									05/07/11	18
	3	REF		36		363	03/31/12	05/05/12							11/06/10	18
NAVAJO	1					105									04/29/11	20
	2					105									03/04/10	34
	3	MINOR		31		105	02/03/12	03/04/12							03/01/09	37
FOUR CORNERS	1	RELIAB.		9		170									05/20/11	20
	2					170									05/07/10	32
	3	MAJOR		35		220	02/21/12	03/26/12							03/26/09	37
	4					111									03/22/10	34
	5	RELIAB.		9		111									03/01/11	22
CHOLLA	1					110									04/02/10	33
	2					245									04/10/11	21
	3	MAJOR		42		260	03/05/12	04/15/12							05/01/09	36
WEST PHOENIX	CC1	HGP		42		85	01/16/12	02/26/12							03/11/10	24
	CC2	Mini		7		85	04/04/12	04/10/12							11/20/11	14
	CC3	Mini		7		85	04/21/12	04/27/12							03/11/11	22
	GT1	Mini		7		55	01/03/12	01/09/12							01/09/11	12
	GT2	Mini		7		55	05/19/12	05/25/12							05/20/11	12
OCOTILLO	1					110									03/18/11	22
	2	MINOR		21		110	11/26/12	12/16/12							12/19/10	24
	GT1	Mini		7		55	04/14/12	04/20/12							01/21/11	15
	GT2	Mini		7		55	02/27/12	03/04/12							05/06/11	10
SAGUARO	1	MINOR		21		110	01/24/12	02/13/12							03/18/11	11
	2	MINOR		21		100	10/27/12	11/16/12							12/18/11	11
	GT1	Mini		5		55	02/25/12	02/29/12							05/01/05	93
	GT2	Mini		5		55	03/26/12	03/30/12							02/23/06	83
DOUGLAS	GT	Mini		5		16	05/05/12	05/09/12							05/18/07	68
YUCCA	GT1	Mini		3		19									02/12/02	133
	GT2	Mini		3		19	10/08/12	10/10/12							03/02/02	132
	GT3					55									04/24/11	21
	GT4					54									05/05/02	130

**SCHEDULE PME-11**  
**HISTORICAL AND PROJECTED EFFECTIVE FORCED OUTAGE RATES**  
 (%)

Unit	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Palo Verde 1	5	10	4	3	6	5	3	3	5	1	0	3	3	3	3	3	3	3	3	3	3	3
Palo Verde 2	5	5	6	7	1	2	4	3	1	3	1	3	3	3	3	3	3	3	3	3	3	3
Palo Verde 3	14	8	6	3	1	2	4	3	1	2	4	3	3	3	3	3	3	3	3	3	3	3
Four Corners 1	12	5	13	8	9	4	9	13	9	9	14	9	8	9	7	7	8	7	7	8	8	8
Four Corners 2	9	7	10	9	7	6	6	10	18	8	10	9	9	9	7	8	7	7	7	8	7	7
Four Corners 3	11	12	10	8	6	10	15	15	9	12	8	13	11	11	12	10	9	10	9	9	9	9
Four Corners 4	7	7	8	7	6	10	5	12	12	10	11	10	10	10	10	9	9	9	9	9	9	9
Four Corners 5	12	5	5	11	4	5	32	13	10	9	15	10	10	10	10	10	10	10	9	9	9	9
Navajo 1	4	3	8	2	6	2	4	3	1	2	6	5	5	5	5	5	5	5	5	5	5	5
Navajo 2	5	6	4	4	3	7	13	5	3	3	1	6	6	6	6	6	6	6	6	6	6	6
Navajo 3	5	6	5	3	2	4	6	2	3	3	4	5	5	5	5	5	5	5	5	5	5	5
Cholla 1	4	2	1	6	1	4	8	6	8	11	21	6	7	6	6	7	6	6	6	7	6	6
Cholla 2	3	6	2	4	1	4	3	10	18	7	13	7	6	7	6	6	7	6	6	6	7	7
Cholla 3	6	2	2	2	3	3	2	2	6	7	6	6	6	6	6	6	6	6	6	6	6	6
W. Phx. CC 1	6	55	3	10	5	0	1	4	8	3	10	5	6	7	7	7	7	7	7	8	8	8
W. Phx. CC 2	2	1	5	1	1	1	1	14	3	13	4	5	6	7	7	7	7	7	7	8	8	8
W. Phx. CC 3	1	11	30	1	1	0	1	1	4	0	6	5	6	7	7	7	7	7	7	8	8	8
Ocotillo Steam 1	1	0	0	0	32	11	8	0	5	3	6	6	6	6	6	6	6	6	6	6	6	6
Ocotillo Steam 2	2	15	1	1	12	11	14	12	2	6	9	6	6	6	6	6	6	6	6	6	6	6
Saguaro Steam 1	8	4	0	2	6	10	1	0	3	11	11	7	7	7	7	7	7	7	7	7	7	7
Saguaro Steam 2	0	0	0	4	44	35	2	39	1	2	9	12	12	9	9	7	7	7	7	7	7	7
W. Phx CT 1	4	2	24	10	12	3	20	29	29	8	5	10	11	12	12	12	12	12	12	12	12	12
W. Phx CT 2	29	5	24	30	96	17	2	15	14	6	11	10	11	12	12	12	12	12	12	12	12	12
Ocotillo CT 1	69	0	78	26	66	30	5	90	87	30	7	10	11	12	12	12	12	12	12	12	12	
Ocotillo CT 2	74	5	64	20	1	82	23	20	51	26	8	10	11	12	12	12	12	12	12	12	12	
Saguaro CT 1	100	97	10	5	8	31	32	37	0	19	12	10	11	12	12	12	12	12	12	12	12	
Saguaro CT 2	11	6	28	12	24	10	11	18	10	16	11	10	10	11	12	12	12	12	12	12	12	
Yucca 1	0	0	0	0	0	0	0	0	0	0	1	1	10	10	10	10	10	10	10	10	10	10
Yucca 2	8	0	0	0	0	0	0	0	0	0	1	10	10	10	10	10	10	10	10	10	10	10
Yucca 3	2	1	3	0	0	0	11	1	16	3	3	10	10	10	10	10	10	10	10	10	10	10
Yucca 4	0	14	0	0	0	2	0	62	13	8	20	10	10	10	10	10	10	10	10	10	10	10
Douglas	73	26	34	99	0	13	47	0	40	5	7	10	10	10	10	10	10	10	10	10	10	10

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## Schedule PME-12

### Historical Peak Demands Total APS System and APS Metro Phoenix Demand

	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>Average</u>
Total System Peak	4,575	4,609	5,072	4,935	5,479	5,687	5,803	
Wholesale Loads No Longer Served by System Resources	254	249	248	263	295	322	312	
Large Mining Loads	<u>173</u>	<u>176</u>	<u>174</u>	<u>85</u>	<u>94</u>	<u>38</u>	<u>35</u>	
System Peak excluding Lines 2 and 3	4,148	4,184	4,650	4,587	5,090	5,327	5,456	
Metro Phoenix Peak Demand	3,162	3,162	3,419	3,406	3,698	4,218	4,206	
Metro Demand as Share of Total Demand	76.2%	75.6%	73.5%	74.3%	72.7%	79.2%	77.1%	75.5%

## SCHEDULE PME-13 POTENTIAL ECONOMY ENERGY PURCHASES

Year	With Current Market Prices		Average		Electric Prices		Electric Prices	
	Economic Purchase Amount (GWH)	On-Peak Electric Price (\$/MWH) <sup>1)</sup>	Palo Verde	San Juan Basin	10% Higher	10% Lower	Economic Purchase Amount (GWH)	Percent Change
			Natural Gas Price (\$/MMBTU) <sup>1)</sup>	Natural Gas Price (\$/MMBTU) <sup>1)</sup>	Economic Purchase Amount (GWH)	Economic Purchase Amount (GWH)		
2003	3,705	39.42	3.60	3.60	3,122	4,418	-15.7%	19.2%
2004	4,033	40.13	3.50	3.50	3,465	4,699	-14.1%	16.5%
2005	6,695	40.25	3.36	3.36	5,795	7,673	-13.4%	14.6%
2006	6,948	40.53	3.35	3.35	6,032	8,025	-13.2%	15.5%
2007	8,320	40.77	3.38	3.38	7,341	9,296	-11.8%	11.7%
2008	6,785	41.79	3.46	3.46	6,095	7,591	-10.2%	11.9%
2009	7,964	42.83	3.55	3.55	7,274	8,787	-8.7%	10.3%
2010	9,136	43.90	3.64	3.64	8,427	9,911	-7.8%	8.5%
2011	10,167	45.00	3.73	3.73	9,428	10,951	-7.3%	7.7%
2012	11,099	46.13	3.82	3.82	10,300	11,871	-7.2%	7.0%

<sup>1)</sup> Power and natural gas prices were determined from market quotes through 2007 and escalated by 2.5% per year thereafter.