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AZ CORP COMMISSION
DOCKET CONTROL

Lisa Malagon
Leader
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April 1, 2015

Docket Control
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

RE: Arizona Public Service Company
Resource Planning Annual Filing for Historical Year 2014
Docket No. E-00000V-15-0094

Pursuant to A.A.C. R14-2-703, Arizona Public Service Company is filing its Historical Resource Planning report for 2014. The confidential portion of this filing is being provided to Staff pursuant to an executed Protective Agreement in this matter.

If you have any questions regarding this information, please contact Gregory Bernosky at (602)250-4849.

Sincerely,

Lisa Malagon
LM/sb
Attachment

cc: Brian Bozzo
Steve Olea
Terri Ford
Barbara Keene

Arizona Corporation Commission
DOCKETED

APR 01 2015

DOCKETED BY *RC*

ARIZONA PUBLIC SERVICE COMPANY

HISTORICAL RESOURCE PLANNING INFORMATION FOR THE HISTORICAL YEAR 2014

April 1, 2015

aps

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

TABLE OF CONTENTS

A.A.C. Regulation R14-2-703, Sections A & B

- A. *A load-serving entity shall, by April 1 of each year, file with Docket Control a compilation of the following items of demand-side data, including for each item for which no record is maintained the load-serving entity's best estimate and a full description of how the estimate was made:*
- A.1 Hourly demand for the previous calendar year disaggregated by:
- a. Sales to end users;
 - b. Sales for resale;
 - c. Energy losses; and
 - d. Other disposition of energy, such as energy furnished without charge and energy used by the load-serving entity;
- A.2 Coincident peak demand (megawatts) and energy consumption (megawatt-hours) by month for the previous 10 years; disaggregated by customer class;
- A.3 Number of customers by customer classes for each of the previous 10 years; and
- A.4 Reduction in load (kilowatt and kilowatt-hours) in the previous calendar year due to existing demand management measures by type of demand management measure.
- B. *A load-serving entity shall, by April 1 of each year, file with Docket Control a compilation of the following items of supply-side data, including for each item for which no record is maintained the load-serving entity's best estimate and a full description of how the estimate was made:*
- B.1 For each generating unit and purchased power contract for the previous calendar year:
- a. In-service date and book life or contract period;
 - b. Type of generating unit or contract;
 - c. The load-serving entity's share of the generating unit's capacity, or of capacity under the contract, in megawatts;
 - d. Maximum generating unit or contract capacity, by hour, day, or month, if such capacity varies during the year;
 - e. Annual capacity factor (generating units only);
 - f. Average heat rate of generating units and, if available, heat rates at selected output levels;
 - g. Average fuel cost for generating units, in dollars per million Btu for each type of fuel;

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

TABLE OF CONTENTS

- h. Other variable operating and maintenance costs for generating units, in dollars per megawatt hour;
 - i. Purchased power energy costs for long-term contracts, in dollars per megawatt-hour;
 - j. Fixed operating and maintenance costs for generating units, in dollars per megawatt;
 - k. Demand charges for purchased power;
 - l. Fuel type for each generating unit;
 - m. Minimum capacity at which the generating unit would be run or power must be purchased;
 - n. Whether, under standard operating procedures, the generating unit must be run if it is available to run;
 - o. Description of each generating unit as base load, intermediate, or peaking;
 - p. Environmental impacts, including air emissions quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation;
 - q. Water consumption quantities and rates; and
 - r. Tons of coal ash produced per generating unit;
- B.2 For the power supply system for the previous calendar year:
- a. a description of unit commitment procedures;
 - b. production cost;
 - c. reserve requirements;
 - d. spinning reserve,
 - e. reliability of generating, transmission, and distribution systems;
 - f. purchase and sale prices, averaged by month, for the aggregate of all purchases and sales related to short-term contracts; and
 - g. energy losses;
- B.3 The level of self-generation in the load-serving entity's service area for the previous calendar year; and
- B.4 An explanation of any resource procurement processes used by the load-serving entity during the previous calendar year that did not include use of an RFP, including the exception under which the process was used.

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section A.1.a

Attached is the Company's total retail hourly load.

DT	HR1	HR2	HR3	HR4	HR5	HR6	HR7	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	HR20	HR21	HR22	HR23	HR24	
2014-05-23	2676.7	2552.4	2428.4	2464.9	2574.9	2717.1	2826.8	3033.7	3145.3	3273.3	3369.2	3453.2	3514.8	3548.9	3594.9	3634.9	3709.8	3753.8	3753.8	3687.1	3630.3	3548.7	3375.8	3165.9	2820.9
2014-05-24	2681.7	2472.6	2447.6	2472.6	2699.9	2950.2	3126.1	3309.3	3386.5	3538.9	3672.5	3814.1	3946.0	3709.8	3672.5	3814.1	3946.0	3709.8	3672.5	3814.1	3946.0	3709.8	3672.5	3814.1	3946.0
2014-05-25	2684.0	2475.0	2450.0	2475.0	2702.2	2952.5	3128.4	3311.6	3389.6	3542.0	3675.6	3817.2	3949.1	3712.9	3675.6	3817.2	3949.1	3712.9	3675.6	3817.2	3949.1	3712.9	3675.6	3817.2	3949.1
2014-05-26	2686.3	2477.4	2452.4	2477.4	2704.6	2954.8	3130.6	3313.8	3391.9	3544.3	3678.0	3819.4	3951.3	3715.1	3678.0	3819.4	3951.3	3715.1	3678.0	3819.4	3951.3	3715.1	3678.0	3819.4	3951.3
2014-05-27	2688.6	2479.8	2454.8	2479.8	2706.9	2957.1	3133.0	3316.0	3394.1	3546.5	3680.2	3821.6	3953.5	3717.3	3680.2	3821.6	3953.5	3717.3	3680.2	3821.6	3953.5	3717.3	3680.2	3821.6	3953.5
2014-05-28	2690.9	2482.2	2457.2	2482.2	2709.2	2959.4	3135.2	3318.2	3396.3	3548.8	3682.4	3823.8	3955.7	3719.5	3682.4	3823.8	3955.7	3719.5	3682.4	3823.8	3955.7	3719.5	3682.4	3823.8	3955.7
2014-05-29	2693.2	2484.6	2460.0	2484.6	2711.5	2961.7	3137.4	3320.4	3400.5	3551.0	3684.6	3826.0	3957.9	3721.7	3684.6	3826.0	3957.9	3721.7	3684.6	3826.0	3957.9	3721.7	3684.6	3826.0	3957.9
2014-05-30	2695.5	2487.0	2462.4	2487.0	2713.8	2964.0	3139.6	3322.6	3402.7	3553.2	3686.8	3828.2	3960.1	3723.9	3686.8	3828.2	3960.1	3723.9	3686.8	3828.2	3960.1	3723.9	3686.8	3828.2	3960.1
2014-05-31	2697.8	2489.4	2464.8	2489.4	2716.1	2966.3	3141.8	3324.8	3404.9	3555.4	3689.0	3830.4	3962.3	3726.1	3689.0	3830.4	3962.3	3726.1	3689.0	3830.4	3962.3	3726.1	3689.0	3830.4	3962.3
2014-06-01	2700.1	2491.8	2467.2	2491.8	2718.4	2968.6	3144.0	3327.0	3407.1	3557.6	3691.2	3832.6	3964.5	3728.3	3691.2	3832.6	3964.5	3728.3	3691.2	3832.6	3964.5	3728.3	3691.2	3832.6	3964.5
2014-06-02	2702.4	2494.2	2469.6	2494.2	2720.7	2970.9	3146.2	3329.2	3409.3	3559.8	3693.4	3834.8	3966.7	3730.5	3693.4	3834.8	3966.7	3730.5	3693.4	3834.8	3966.7	3730.5	3693.4	3834.8	3966.7
2014-06-03	2704.7	2496.6	2472.0	2496.6	2723.0	2973.2	3148.4	3331.4	3411.5	3562.0	3695.6	3837.0	3968.9	3732.7	3695.6	3837.0	3968.9	3732.7	3695.6	3837.0	3968.9	3732.7	3695.6	3837.0	3968.9
2014-06-04	2707.0	2499.0	2474.4	2499.0	2725.3	2975.5	3150.6	3333.6	3413.7	3564.2	3697.8	3839.2	3971.1	3734.9	3697.8	3839.2	3971.1	3734.9	3697.8	3839.2	3971.1	3734.9	3697.8	3839.2	3971.1
2014-06-05	2709.3	2501.4	2476.8	2501.4	2727.6	2977.8	3152.8	3335.8	3415.9	3566.4	3699.9	3841.4	3973.3	3737.1	3699.9	3841.4	3973.3	3737.1	3699.9	3841.4	3973.3	3737.1	3699.9	3841.4	3973.3
2014-06-06	2711.6	2503.8	2479.2	2503.8	2729.9	2980.1	3155.0	3338.0	3418.1	3568.6	3701.9	3843.6	3975.5	3739.3	3701.9	3843.6	3975.5	3739.3	3701.9	3843.6	3975.5	3739.3	3701.9	3843.6	3975.5
2014-06-07	2713.9	2506.2	2481.6	2506.2	2732.2	2982.4	3157.2	3340.2	3420.3	3570.8	3704.1	3845.8	3977.7	3741.5	3704.1	3845.8	3977.7	3741.5	3704.1	3845.8	3977.7	3741.5	3704.1	3845.8	3977.7
2014-06-08	2716.2	2508.6	2484.0	2508.6	2734.5	2984.7	3159.4	3342.4	3422.5	3573.0	3706.3	3848.0	3979.9	3743.7	3706.3	3848.0	3979.9	3743.7	3706.3	3848.0	3979.9	3743.7	3706.3	3848.0	3979.9
2014-06-09	2718.5	2511.0	2486.4	2511.0	2736.8	2987.0	3161.6	3344.6	3424.7	3575.2	3708.5	3850.2	3982.1	3745.9	3708.5	3850.2	3982.1	3745.9	3708.5	3850.2	3982.1	3745.9	3708.5	3850.2	3982.1
2014-06-10	2720.8	2513.4	2488.8	2513.4	2739.1	2989.3	3163.8	3346.8	3426.9	3577.4	3710.7	3852.4	3984.3	3748.1	3710.7	3852.4	3984.3	3748.1	3710.7	3852.4	3984.3	3748.1	3710.7	3852.4	3984.3
2014-06-11	2723.1	2515.8	2491.2	2515.8	2741.4	2991.6	3166.0	3349.0	3429.1	3579.6	3712.9	3854.6	3986.5	3750.3	3712.9	3854.6	3986.5	3750.3	3712.9	3854.6	3986.5	3750.3	3712.9	3854.6	3986.5
2014-06-12	2725.4	2518.2	2493.6	2518.2	2743.7	2993.9	3168.2	3351.2	3431.3	3581.8	3715.1	3856.8	3988.7	3752.5	3715.1	3856.8	3988.7	3752.5	3715.1	3856.8	3988.7	3752.5	3715.1	3856.8	3988.7
2014-06-13	2727.7	2520.6	2496.0	2520.6	2746.0	2996.2	3170.4	3353.4	3433.5	3584.0	3717.3	3859.0	3990.9	3754.7	3717.3	3859.0	3990.9	3754.7	3717.3	3859.0	3990.9	3754.7	3717.3	3859.0	3990.9
2014-06-14	2730.0	2523.0	2498.4	2523.0	2748.3	2998.5	3172.6	3355.6	3435.7	3586.2	3719.5	3861.2	3993.1	3756.9	3719.5	3861.2	3993.1	3756.9	3719.5	3861.2	3993.1	3756.9	3719.5	3861.2	3993.1
2014-06-15	2732.3	2525.4	2500.8	2525.4	2750.6	3000.8	3174.8	3357.8	3437.9	3588.4	3721.7	3863.4	3995.3	3759.1	3721.7	3863.4	3995.3	3759.1	3721.7	3863.4	3995.3	3759.1	3721.7	3863.4	3995.3
2014-06-16	2734.6	2527.8	2503.2	2527.8	2752.9	3003.1	3177.0	3360.0	3440.1	3590.6	3723.9	3865.6	3997.5	3761.3	3723.9	3865.6	3997.5	3761.3	3723.9	3865.6	3997.5	3761.3	3723.9	3865.6	3997.5
2014-06-17	2736.9	2530.2	2505.6	2530.2	2755.2	3005.4	3179.2	3362.2	3442.3	3592.8	3726.1	3867.8	3999.7	3763.5	3726.1	3867.8	3999.7	3763.5	3726.1	3867.8	3999.7	3763.5	3726.1	3867.8	3999.7
2014-06-18	2739.2	2532.6	2508.0	2532.6	2757.5	3007.7	3181.4	3364.4	3444.5	3595.0	3728.3	3870.0	4001.9	3765.7	3728.3	3870.0	4001.9	3765.7	3728.3	3870.0	4001.9	3765.7	3728.3	3870.0	4001.9
2014-06-19	2741.5	2535.0	2510.4	2535.0	2759.8	3010.0	3183.6	3366.6	3446.7	3597.2	3730.5	3872.2	4004.1	3767.9	3730.5	3872.2	4004.1	3767.9	3730.5	3872.2	4004.1	3767.9	3730.5	3872.2	4004.1
2014-06-20	2743.8	2537.4	2512.8	2537.4	2762.1	3012.3	3185.8	3368.8	3448.9	3599.4	3732.7	3874.4	4006.3	3770.1	3732.7	3874.4	4006.3	3770.1	3732.7	3874.4	4006.3	3770.1	3732.7	3874.4	4006.3
2014-06-21	2746.1	2539.8	2515.2	2539.8	2764.4	3014.6	3188.0	3371.0	3451.1	3601.6	3734.9	3876.6	4008.5	3772.3	3734.9	3876.6	4008.5	3772.3	3734.9	3876.6	4008.5	3772.3	3734.9	3876.6	4008.5
2014-06-22	2748.4	2542.2	2517.6	2542.2	2766.7	3016.9	3190.2	3373.2	3453.3	3603.8	3737.1	3878.8	4010.7	3774.5	3737.1	3878.8	4010.7	3774.5	3737.1	3878.8	4010.7	3774.5	3737.1	3878.8	4010.7
2014-06-23	2750.7	2544.6	2520.0	2544.6	2769.0	3019.2	3192.4	3375.4	3455.5	3606.0	3739.3	3881.0	4012.9	3776.7	3739.3	3881.0	4012.9	3776.7	3739.3	3881.0	4012.9	3776.7	3739.3	3881.0	4012.9
2014-06-24	2753.0	2547.0	2522.4	2547.0	2771.3	3021.5	3194.6	3377.6	3457.7	3608.2	3741.5	3883.2	4015.1	3778.9	3741.5	3883.2	4015.1	3778.9	3741.5	3883.2	4015.1	3778.9	3741.5	3883.2	4015.1
2014-06-25	2755.3	2549.4	2524.8	2549.4	2773.6	3023.8	3196.8	3379.8	3459.9	3610.4	3743.7	3885.4	4017.3	3781.1	3743.7	3885.4	4017.3	3781.1	3743.7	3885.4	4017.3	3781.1	3743.7	3885.4	4017.3
2014-06-26	2757.6	2551.8	2527.2	2551.8	2775.9	3026.1	3199.0	3382.0	3462.1	3612.6	3745.9	3887.6	4019.5	3783.3	3745.9	3887.6	4019.5	3783.3	3745.9	3887.6	4019.5	3783.3	3745.9	3887.6	4019.5
2014-06-27	2759.9	2554.2	2529.6	2554.2	2778.1	3028.4	3201.2	3384.2	3464.3	3614.8	3748.1	3889.8	4021.7	3785.5	3748.1	3889.8	4021.7	3785.5	3748.1	3889.8	4021.7	3785.5	3748.1	3889.8	4021.7
2014-06-28	2762.2	2556.6	2532.0	2556.6	2780.4	3030.7	3203.4	3386.4	3466.5	3617.0	3750.3	3892.0	4023.9	3787.7	3750.3	3892.0	4023.9	3787.7	3750.3	3892.0	4023.9	3787.7	3750.3	3892.0	4023.9
2014-06-29	2764.5	2559.0	2534.4	2559.0	2782.7																				

DT	HR1	HR2	HR3	HR4	HR5	HR7	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	HR20	HR21	HR22	HR23	HR24	
2014-10-12	2769.7	2629.6	2512.1	2440.1	2409.3	2456.1	2470.7	2540.6	2692.7	2882.1	3108.0	3363.1	3557.2	3782.7	3883.2	3969.2	3980.4	4028.8	3927.4	3826.6	3585.8	3374.8	3050.8	2803.8
2014-10-13	2653.3	2497.1	2414.3	2376.7	2435.7	2601.7	2790.7	2878.1	2963.4	3039.2	3143.6	3272.6	3401.7	3570.3	3653.8	3789.4	3812.5	3907.9	3767.3	3585.5	3259.7	2994.5	2707.9	2470.9
2014-10-14	2518.8	2439.4	2368.4	2351.3	2394.4	2828.2	2844.8	2896.0	2973.0	3047.4	3208.8	3383.0	3570.3	3762.1	3850.4	3989.4	3914.7	3907.4	3832.6	3531.4	3259.7	2994.5	2707.9	2470.9
2014-10-15	2566.9	2465.2	2397.7	2380.3	2450.7	2865.0	2920.5	2975.0	3059.0	3161.2	3327.5	3443.5	3559.7	3767.0	3852.9	3972.1	3968.0	3857.2	3700.0	3464.8	3259.7	2994.5	2707.9	2470.9
2014-10-16	2619.7	2485.6	2428.4	2396.4	2448.8	2891.1	2950.2	3041.5	3149.3	3275.8	3433.5	3548.1	3681.1	3878.7	3965.9	4092.0	3980.0	3857.2	3633.0	3358.1	3111.1	2833.8	2584.9	2333.3
2014-10-17	2601.3	2487.5	2399.8	2356.5	2437.3	2838.4	2905.2	3004.9	3120.3	3258.2	3413.3	3529.3	3663.9	3862.7	3959.9	4087.0	3970.9	3857.2	3633.0	3358.1	3111.1	2833.8	2584.9	2333.3
2014-10-18	2601.3	2487.5	2399.8	2356.5	2437.3	2838.4	2905.2	3004.9	3120.3	3258.2	3413.3	3529.3	3663.9	3862.7	3959.9	4087.0	3970.9	3857.2	3633.0	3358.1	3111.1	2833.8	2584.9	2333.3
2014-10-19	2625.1	2482.8	2422.2	2407.1	2487.5	2674.8	2725.2	2809.2	2913.8	3042.2	3203.4	3383.8	3580.6	3782.6	3882.7	4012.7	4147.0	4108.4	4030.7	3824.7	3607.7	3416.7	3095.5	2798.1
2014-10-20	2625.1	2482.8	2422.2	2407.1	2487.5	2674.8	2725.2	2809.2	2913.8	3042.2	3203.4	3383.8	3580.6	3782.6	3882.7	4012.7	4147.0	4108.4	4030.7	3824.7	3607.7	3416.7	3095.5	2798.1
2014-10-21	2653.1	2563.2	2503.6	2444.6	2504.0	2678.8	2951.8	3032.3	3173.7	3382.9	3588.1	3829.4	4081.8	4343.1	4598.5	4853.9	4971.9	4971.9	4971.9	4668.3	4327.0	3927.3	3585.8	3262.6
2014-10-22	2653.1	2563.2	2503.6	2444.6	2504.0	2678.8	2951.8	3032.3	3173.7	3382.9	3588.1	3829.4	4081.8	4343.1	4598.5	4853.9	4971.9	4971.9	4971.9	4668.3	4327.0	3927.3	3585.8	3262.6
2014-10-23	2669.7	2563.2	2441.1	2411.1	2489.6	2673.0	2975.8	2987.0	3020.4	3177.9	3385.1	3628.6	3873.9	4131.4	4381.0	4636.4	4752.4	4752.4	4752.4	4449.4	4109.6	3752.0	3352.6	2993.2
2014-10-24	2669.7	2563.2	2441.1	2411.1	2489.6	2673.0	2975.8	2987.0	3020.4	3177.9	3385.1	3628.6	3873.9	4131.4	4381.0	4636.4	4752.4	4752.4	4752.4	4449.4	4109.6	3752.0	3352.6	2993.2
2014-10-25	2795.5	2654.7	2511.9	2453.1	2487.2	2860.3	2933.5	2995.7	3029.4	3177.9	3385.1	3628.6	3873.9	4131.4	4381.0	4636.4	4752.4	4752.4	4752.4	4449.4	4109.6	3752.0	3352.6	2993.2
2014-10-26	2795.5	2654.7	2511.9	2453.1	2487.2	2860.3	2933.5	2995.7	3029.4	3177.9	3385.1	3628.6	3873.9	4131.4	4381.0	4636.4	4752.4	4752.4	4752.4	4449.4	4109.6	3752.0	3352.6	2993.2
2014-10-27	2891.1	2651.9	2494.0	2482.8	2448.5	2870.4	2911.9	2972.0	3041.5	3149.3	3327.5	3443.5	3559.7	3767.0	3852.9	3972.1	3968.0	3857.2	3700.0	3464.8	3259.7	2994.5	2707.9	2470.9
2014-10-28	2891.1	2651.9	2494.0	2482.8	2448.5	2870.4	2911.9	2972.0	3041.5	3149.3	3327.5	3443.5	3559.7	3767.0	3852.9	3972.1	3968.0	3857.2	3700.0	3464.8	3259.7	2994.5	2707.9	2470.9
2014-10-29	2957.3	2437.6	2368.0	2352.4	2408.6	2611.4	2903.5	2930.3	2936.0	2981.4	3083.0	3156.1	3216.3	3297.3	3364.1	3424.2	3494.1	3538.6	3624.2	3641.2	3691.4	3732.9	3782.6	3828.5
2014-10-30	2957.3	2437.6	2368.0	2352.4	2408.6	2611.4	2903.5	2930.3	2936.0	2981.4	3083.0	3156.1	3216.3	3297.3	3364.1	3424.2	3494.1	3538.6	3624.2	3641.2	3691.4	3732.9	3782.6	3828.5
2014-10-31	2519.3	2446.6	2363.3	2339.1	2436.1	2612.1	2908.6	2923.3	2918.9	2988.9	3105.0	3238.6	3402.6	3531.5	3631.2	3691.6	3743.0	3785.8	3826.2	3811.9	3858.6	3912.4	3939.2	3984.8
2014-11-01	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-02	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-03	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-04	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-05	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-06	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-07	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-08	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-09	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-10	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-11	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-12	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-13	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-14	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-15	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-16	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-17	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-18	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9	3728.9	3882.9	3942.6	4000.0	4067.4	4144.0	4233.3
2014-11-19	2607.4	2489.3	2400.2	2345.3	2332.8	2363.7	2458.8	2471.6	2507.9	2602.8	2712.8	2831.3	2965.2	3114.9	3264.2	3419.9	3574.9							

DT	HRI	HR2	HR3	HR4	HR5	HR6	HR7	HR8	HR9	HR10	HR11	HR12	HR13	HR14	HR15	HR16	HR17	HR18	HR19	HR20	HR21	HR22	HR23	HR24
2014-12-22	2624.8	2552.9	2552.9	2598.7	2711.7	2983.9	3364.5	3649.1	3544.0	3323.1	3138.7	2924.6	2811.0	2692.9	2593.9	2578.7	2651.1	3010.3	3272.8	3314.7	3265.7	3206.9	3015.2	2806.0
2014-12-23	2675.4	2608.5	2589.4	2621.7	2740.3	2977.1	3320.2	3564.4	3411.1	3268.4	3100.4	2976.5	2833.1	2699.4	2583.2	2593.7	2677.7	3043.8	3306.2	3309.8	3302.0	3285.0	3123.1	2888.0
2014-12-24	2775.8	2685.7	2716.3	2711.6	2846.7	3071.1	3424.2	3645.7	3519.8	3344.2	3132.6	2947.3	2750.4	2646.3	2617.9	2648.0	2747.3	3134.6	3244.5	3158.8	3139.6	3144.9	2998.5	2842.2
2014-12-25	2734.6	2600.6	2599.7	2623.4	2681.7	2801.4	2957.8	3144.5	3186.4	3007.2	2864.1	2757.7	2722.4	2731.0	2596.0	2542.7	2595.4	2871.9	3145.6	3157.3	3207.0	3182.2	3024.2	2874.0
2014-12-26	2825.5	2821.7	2836.2	2929.0	3026.6	3209.2	3522.6	3752.7	3706.6	3474.0	3271.0	3090.4	2778.0	2689.3	2616.2	2615.5	2689.2	3144.7	3461.0	3604.1	3566.1	3568.4	3452.6	3258.6
2014-12-27	3163.0	3172.4	3149.6	3187.5	3275.2	3443.9	3683.4	3896.3	3791.1	3543.3	3349.5	3096.7	2947.4	2748.4	2630.6	2650.9	2688.8	3114.5	3445.3	3520.1	3521.3	3535.7	3384.6	3178.2
2014-12-28	3125.7	3125.4	3114.5	3155.6	3248.0	3414.7	3624.2	3842.8	3791.1	3536.1	3240.3	3012.9	2816.7	2713.8	2622.8	2672.0	2888.8	3230.1	3561.1	3619.5	3583.5	3534.6	3402.1	3153.1
2014-12-29	3145.7	3124.6	3145.7	3260.4	3458.5	3763.6	4114.3	4278.9	4205.0	3959.8	3671.2	3305.9	3118.6	2928.1	2764.1	2717.6	2788.6	3230.8	3644.9	3700.4	3731.5	3683.9	3480.0	3272.1
2014-12-30	3153.3	3142.0	3182.6	3252.7	3441.4	3783.0	4130.0	4329.2	4136.8	3797.7	3500.4	3206.2	2950.8	2835.8	2751.1	2739.2	2836.0	3231.9	3515.7	3582.7	3592.0	3503.7	3291.8	3106.3
2014-12-31	2990.5	2894.6	2877.4	2873.9	2923.9	3166.6	3395.8	3630.8	3712.8	3746.8	3804.0	3678.7	3638.6	3552.2	3525.1	3559.8	3591.5	3854.8	3991.8	3998.6	3846.2	3738.3	3618.9	3507.4

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: A.1.b

Hourly demand for sales for resale for the previous calendar year is not available. Monthly megawatt-hours (MWh) are listed below.

SALES FOR RESALE													
2014													
ENERGY (MWH)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
	36,948	39,388	38,911	50,349	77,213	77,889	62,229	61,199	51,040	43,818	38,927	36,959	

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

RI4-2-703 Section: A.1.c

Hourly demand for energy losses for the previous calendar year is not available. Monthly MWh are listed below.

		ENERGY LOSSES 2014											
ENERGY (MWH)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
	128,257	170,551	157,968	147,593	119,694	157,461	168,052	151,190	134,793	69,938	126,993	116,113	

NOTE: Energy losses reflect native load.

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: A.1.d

Hourly demand for Company Use for the previous calendar year is not available. Monthly MWh are listed below.

COMPANY USE 2014		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
ENERGY (MWH)		4,702	4,485	4,260	4,353	4,643	4,943	5,798	5,623	4,902	4,226	3,761	4,065

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section A.2

Coincident peak demand (megawatts) and energy demand (megawatt hours) by month for twelve months ending December 2014 is attached.

Load Research Data Analysis
For Calendar Year: 2014
TOTAL RESIDENTIAL

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
SUMMATION IND MAX (MW)															
Non-Timed	5,554.6	5,294.5	5,128.1	5,472.2	6,110.2	6,568.4	6,889.0	6,574.2	6,494.7	5,808.7	5,414.9	5,853.9	6,889.0	5,853.9	6,889.0
On-Peak	3,992.7	3,822.3	3,711.2	4,372.2	5,028.1	5,685.3	6,091.2	5,512.1	5,497.4	4,647.7	3,895.0	4,513.3	6,091.2	4,513.3	6,091.2
Off-Peak	5,442.4	5,164.9	5,001.3	5,221.8	5,919.0	6,330.9	6,602.2	6,402.3	6,273.9	5,599.4	5,296.0	5,698.1	6,602.2	5,698.1	6,602.2
CLASS PEAK (MW)															
On-Peak	1,474.0	1,443.0	1,281.8	2,038.9	2,937.8	3,437.4	3,885.7	3,265.3	3,275.8	2,046.5	1,388.4	2,072.7	3,885.7	2,072.7	3,885.7
Off-Peak	1,804.6	1,753.0	1,434.2	2,019.6	3,107.1	3,618.8	3,679.5	3,749.9	3,381.5	2,363.5	1,555.8	2,032.5	3,749.9	2,032.5	3,749.9
COINCIDENT (MW)															
System	1,794.1	1,752.9	1,411.2	2,030.8	2,872.2	3,434.7	3,877.5	3,748.9	3,062.8	2,280.4	1,342.3	2,070.8	3,877.5	2,070.8	3,877.5
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900			
ENERGY (MWH)															
On-Peak	161,174	131,741	131,022	177,016	231,682	397,658	476,082	373,670	326,842	241,439	123,228	166,461	2,047,373	890,642	2,938,015
On-Peak %	17.0%	18.3%	18.3%	23.5%	23.2%	27.3%	27.1%	24.0%	24.2%	25.2%	17.1%	18.4%	25.4%	18.7%	22.9%
Off-Peak	784,800	588,272	584,960	575,595	764,866	1,056,498	1,279,446	1,184,190	1,024,589	718,341	599,447	737,160	6,027,930	3,870,234	9,898,164
Off-Peak %	83.0%	81.7%	81.7%	76.5%	76.8%	72.7%	72.9%	76.0%	75.8%	74.8%	82.9%	81.6%	74.6%	81.3%	77.1%
Total	945,974	720,013	715,982	752,611	996,548	1,454,156	1,755,528	1,557,860	1,351,431	959,780	722,675	903,621	8,075,303	4,760,876	12,836,179
CUSTOMERS															
Monthly Count	1,035,860	1,035,901	1,036,278	1,033,108	1,028,904	1,027,743	1,028,952	1,028,385	1,032,827	1,034,113	1,037,876	1,044,791	1,030,154	1,037,302	1,033,728
FACTORS															
Coincident Factor (CP)	32.3%	33.1%	27.5%	37.1%	47.0%	52.3%	56.3%	57.0%	47.2%	39.3%	24.8%	35.4%	56.3%	35.4%	56.3%
Load Factor (Max) %	23.3%	18.6%	19.1%	18.8%	22.3%	30.3%	34.9%	32.5%	28.5%	22.6%	18.3%	21.1%	26.8%	18.6%	21.3%
Load Factor (NCP) %	71.8%	56.3%	68.4%	50.6%	43.9%	55.0%	61.9%	56.9%	54.7%	55.6%	63.6%	59.7%	47.4%	52.4%	37.7%
Load Factor (CP) %	72.2%	56.3%	69.5%	50.8%	47.5%	58.0%	62.0%	56.9%	60.4%	57.7%	73.8%	59.8%	47.5%	52.5%	37.8%
CUSTOMER AVERAGES															
Energy Use (kWh)	913	695	691	728	969	1,415	1,706	1,515	1,308	928	696	865	1,307	765	1,036
Ind. Max Demand (kW)	5.36	5.11	4.95	5.30	5.94	6.39	6.70	6.39	6.29	5.62	5.22	5.60	6.22	5.26	5.74
Coincident Demand (kW)	1.73	1.69	1.36	1.97	2.79	3.34	3.77	3.65	2.97	2.21	1.29	1.98	3.12	1.67	2.40

Total Residential

TOU Periods - All Months On-Peak Off-Peak
 12 Noon - 7 p M-F 7 pm - 12 noon, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-20

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER		ANNUAL
													(May-Oct)	(Nov-Apr)	
SUMMATION IND MAX (MW)															
Non-Timed	14.9	13.8	14.6	18.0	21.6	24.2	28.1	26.3	25.3	19.0	15.5	14.0	28.1	18.0	28.1
On-Peak	10.5	9.6	11.2	14.7	17.2	19.2	22.9	20.4	20.7	14.6	10.6	10.8	22.9	14.7	22.9
Off-Peak	14.7	13.6	14.2	17.2	21.0	23.6	27.4	26.0	24.7	18.7	15.2	13.7	27.4	17.2	27.4
CLASS PEAK (MW)															
On-Peak	6.3	5.9	7.2	8.6	10.3	10.5	13.7	12.2	13.0	8.9	6.6	5.8	13.7	8.6	13.7
Off-Peak	9.9	9.2	9.9	13.8	16.1	19.6	22.9	21.5	20.5	13.7	10.8	9.4	22.9	13.8	22.9
COINCIDENT (MW)															
System	5.2	4.5	5.5	4.4	6.6	6.5	11.6	10.1	7.2	6.7	4.6	4.7	11.6	5.5	11.6
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900	4.7	5.5	11.6
ENERGY (MWH)															
On-Peak	759	628	775	926	1,128	1,316	1,901	1,503	1,587	1,219	560	529	8,654	4,177	12,831
On-Peak %	29.5%	30.1%	30.4%	36.4%	34.0%	34.5%	36.6%	31.4%	35.4%	35.3%	28.9%	31.3%	34.6%	31.2%	33.4%
Off-Peak	1,815	1,457	1,773	1,617	2,190	2,498	3,293	3,283	2,895	2,233	1,378	1,162	16,392	9,202	25,594
Off-Peak %	70.5%	69.9%	69.6%	63.6%	66.0%	65.5%	63.4%	68.6%	64.6%	64.7%	71.1%	68.7%	65.4%	68.8%	66.6%
Total	2,574	2,085	2,548	2,543	3,318	3,814	5,194	4,786	4,482	3,452	1,938	1,691	25,046	13,379	38,425
CUSTOMERS															
Monthly Count	417	394	422	412	408	388	425	406	404	403	410	386	406	407	406
FACTORS															
Coincident Factor (CP)	35.0%	32.6%	37.6%	24.5%	30.5%	26.9%	41.2%	38.4%	28.5%	35.2%	29.7%	33.5%	41.2%	30.6%	41.2%
Load Factor (Max) %	23.7%	20.7%	23.9%	19.4%	21.0%	21.6%	25.3%	24.9%	24.3%	24.9%	17.1%	16.5%	20.3%	17.0%	15.6%
Load Factor (NCP) %	35.5%	31.2%	35.3%	25.2%	28.3%	26.7%	31.0%	30.5%	30.0%	34.6%	24.5%	24.7%	24.9%	22.1%	19.1%
Load Factor (CP) %	67.8%	63.5%	63.5%	79.2%	68.9%	80.4%	61.3%	64.9%	85.3%	70.6%	57.7%	49.3%	49.3%	55.5%	37.8%
CUSTOMER AVERAGES															
Energy Use (kWh)	6,173	5,292	6,038	6,172	8,132	9,830	12,221	11,788	11,094	8,566	4,727	4,381	10,272	5,464	7,868
Ind. Max Demand (kW)	35.62	35.06	34.66	43.65	52.98	62.28	66.20	64.74	62.58	47.18	37.76	36.39	59.33	37.19	48.26
Coincident Demand (kW)	12.47	11.42	13.03	10.68	16.18	16.75	27.29	24.88	17.82	16.63	11.22	12.18	19.82	11.83	15.88

TOU Periods - All Months On-Peak 11am - 9pm, M-F Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-221

	SUMMATION IND MAX (MW)												SUMMER		WINTER		ANNUAL	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	(May-Oct)	(Nov-Apr)				
Non-Timed	110.5	116.4	114.5	123.6	122.5	123.7	124.0	123.7	119.7	109.0	105.6	93.8	124.0	123.6	124.0	124.0		
On-Peak	95.8	99.4	98.7	108.6	107.4	110.0	110.8	106.9	103.3	97.4	92.1	80.2	110.8	108.6	110.8	110.8		
Off-Peak	106.2	113.6	113.0	120.7	120.6	122.6	122.6	122.7	118.1	107.1	103.7	90.5	122.7	120.7	122.7	122.7		
CLASS PEAK (MW)																		
On-Peak	40.1	44.8	48.8	57.4	60.7	70.4	66.7	60.7	56.8	45.0	44.0	31.5	70.4	57.4	70.4	70.4		
Off-Peak	42.2	45.7	49.6	63.0	66.1	73.4	72.8	65.8	62.7	50.2	45.8	39.1	73.4	63.0	73.4	73.4		
COINCIDENT (MW)																		
System	37.4	36.1	41.5	36.2	37.6	44.4	42.2	36.1	36.6	32.3	32.7	22.3	44.4	41.5	44.4	44.4		
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900						
ENERGY (MWH)																		
On-Peak	6,052	5,844	6,784	8,603	10,085	10,878	12,089	8,397	7,958	8,062	5,525	4,644	57,469	37,452	57,469	94,921		
On-Peak %	30.6%	29.1%	27.4%	28.4%	26.2%	26.6%	27.9%	23.9%	27.0%	30.3%	27.5%	30.4%	26.9%	28.7%	26.9%	27.6%		
Off-Peak	13,727	14,237	17,974	21,689	28,407	30,015	31,241	26,738	21,517	18,545	14,567	10,632	156,463	92,826	156,463	249,289		
Off-Peak %	69.4%	70.9%	72.6%	71.6%	73.8%	73.4%	72.1%	76.1%	73.0%	69.7%	72.5%	69.6%	73.1%	71.3%	73.1%	72.4%		
Total	19,779	20,081	24,758	30,292	38,492	40,893	43,330	35,135	29,475	26,607	20,092	15,276	213,932	130,278	213,932	344,210		
CUSTOMERS																		
Monthly Count	1,439	1,449	1,451	1,505	1,457	1,455	1,477	1,481	1,480	1,466	1,449	1,376	1,469	1,445	1,469	1,457		
FACTORS																		
Coincident Factor (CF)	33.8%	31.0%	36.3%	29.3%	30.7%	35.9%	34.0%	29.2%	30.6%	29.6%	31.0%	23.8%	35.8%	33.6%	35.8%	35.8%		
Load Factor (Max) %	24.5%	23.6%	29.6%	33.6%	43.1%	45.3%	47.9%	38.9%	33.7%	33.4%	26.1%	22.3%	39.4%	24.1%	39.4%	31.7%		
Load Factor (NCP) %	64.1%	60.1%	68.4%	65.9%	79.7%	76.4%	81.5%	73.2%	64.4%	72.6%	60.1%	53.5%	66.6%	47.2%	66.6%	53.6%		
Load Factor (CP) %	72.4%	76.2%	81.7%	114.6%	140.2%	126.2%	140.7%	133.3%	110.3%	112.8%	84.2%	93.8%	110.0%	71.7%	110.0%	88.5%		
CUSTOMER AVERAGES																		
Energy Use (kWh)	13,745	13,859	17,063	20,128	26,419	28,105	29,336	23,724	19,916	18,149	13,866	11,102	24,275	14,960	24,275	19,618		
Ind. Max Demand (kW)	76.81	80.36	78.88	82.11	84.06	84.99	83.92	83.49	80.89	74.38	72.87	68.17	81.95	76.53	81.95	79.24		
Coincident Demand (kW)	25.99	24.91	28.60	24.05	25.81	30.52	28.57	24.38	24.73	22.03	22.57	16.21	26.01	23.72	26.01	24.86		

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
GS- Schools

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
SUMMATION IND MAX (MW)															
Non-Timed	30.6	25.5	25.2	29.1	30.3	25.5	32.2	40.2	39.5	29.4	26.6	26.2	40.2	30.6	40.2
On-Peak	23.5	21.6	24.3	28.3	29.9	25.0	31.4	39.7	39.1	29.2	24.3	22.3	39.7	28.3	39.7
Off-Peak	29.7	24.6	23.2	27.0	28.2	23.4	29.4	37.8	37.5	26.8	25.0	25.2	37.8	29.7	37.8
CLASS PEAK (MW)															
On-Peak	19.9	17.9	22.4	26.2	27.0	20.0	27.4	36.9	36.3	25.3	22.0	17.7	36.9	26.2	36.9
Off-Peak	25.6	22.9	20.7	25.0	25.5	19.7	25.2	35.2	35.9	24.5	20.8	18.2	35.9	25.6	35.9
COINCIDENT (MW)															
System	23.7	21.2	11.2	15.7	18.5	14.1	16.7	12.3	25.8	7.6	11.5	8.6	25.8	23.7	25.8
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900			
ENERGY (MWH)															
On-Peak	3,199	2,969	3,513	3,743	3,815	3,381	3,592	4,388	5,782	4,785	2,692	2,352	25,743	18,468	44,211
On-Peak %	37.6%	40.0%	40.2%	45.4%	43.6%	38.9%	40.3%	40.6%	44.0%	44.4%	38.8%	38.5%	42.1%	40.2%	41.3%
Off-Peak	5,308	4,453	5,226	4,501	4,934	5,311	6,420	7,359	5,991	4,246	4,246	3,756	35,336	27,490	62,826
Off-Peak %	62.4%	60.0%	59.8%	54.6%	56.4%	61.1%	59.7%	59.4%	56.0%	55.6%	61.2%	61.5%	57.9%	59.8%	58.7%
Total	8,507	7,422	8,739	8,244	8,749	8,692	8,913	10,808	13,141	10,778	6,938	6,108	61,079	45,958	107,037
CUSTOMERS															
Monthly Count	122	105	115	114	107	111	111	118	120	118	119	112	114	115	114
FACTORS															
Coincident Factor (CP)	77.6%	83.0%	44.4%	54.0%	61.0%	55.2%	51.9%	30.6%	65.3%	25.8%	43.3%	32.8%	64.2%	77.6%	64.2%
Load Factor (Max) %	38.1%	39.8%	47.5%	38.8%	39.5%	46.6%	36.0%	36.9%	45.6%	50.2%	35.8%	31.9%	34.7%	34.3%	30.4%
Load Factor (NCP) %	45.5%	44.4%	53.4%	43.1%	44.4%	59.5%	44.5%	40.1%	49.6%	58.4%	43.2%	46.0%	37.8%	40.1%	33.1%
Load Factor (CP) %	49.2%	48.0%	106.9%	71.9%	64.8%	84.4%	73.1%	120.4%	69.8%	194.2%	82.6%	97.3%	54.1%	44.3%	47.4%
CUSTOMER AVERAGES															
Energy Use (kWh)	69,730	70,686	75,991	72,316	81,766	78,306	80,297	91,593	109,508	91,322	58,303	54,536	88,799	66,927	77,863
Ind. Max Demand (kW)	250.45	243.29	219.35	255.16	283.46	230.04	289.74	340.44	329.01	249.19	223.30	234.26	286.98	237.63	262.31
Coincident Demand (kW)	194.26	201.90	97.39	137.72	172.90	127.03	150.45	104.24	215.00	64.41	96.64	76.79	139.00	134.12	136.56

GS-Schools

TOU Periods - All Months

On-Peak
11am - 9pm, M-F

Off-Peak
9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-32 0-20kW

	SUMMATION IND MAX (MW)												ANNUAL	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Non-Timed	529.6	526.6	512.2	532.9	546.2	543.4	542.4	547.1	548.3	530.6	517.8	543.4	548.3	548.3
On-Peak	486.7	491.2	483.9	515.6	528.7	529.2	529.2	531.8	533.3	510.8	484.5	506.5	533.3	533.3
Off-Peak	511.5	502.5	482.4	494.7	521.7	523.3	524.2	529.0	526.3	502.1	496.3	523.5	529.0	529.0
CLASS PEAK (MW)														
On-Peak	244.6	251.2	262.2	300.2	333.7	330.6	341.7	337.8	337.4	288.7	259.8	249.1	341.7	341.7
Off-Peak	249.7	248.9	231.5	263.2	287.8	299.8	313.7	304.5	297.5	246.0	227.3	257.2	313.7	313.7
COINCIDENT (MW)														
System	225.0	224.1	213.3	241.2	292.7	259.1	270.7	222.1	296.0	208.7	207.1	216.0	296.0	296.0
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900		
ENERGY (MWH)														
On-Peak	42,575	39,659	44,279	19,116	50,993	52,382	57,963	48,765	53,092	47,819	28,765	33,645	311,014	208,039
On-Peak %	34.2%	34.7%	34.3%	38.7%	37.1%	38.5%	39.5%	35.6%	39.2%	38.8%	32.9%	34.6%	38.1%	30.6%
Off-Peak	81,912	74,632	84,815	107,798	86,454	83,676	88,779	88,215	82,347	75,425	58,667	63,596	504,896	471,420
Off-Peak %	65.8%	65.3%	65.7%	61.3%	62.9%	61.5%	60.5%	64.4%	60.8%	61.2%	67.1%	65.4%	61.9%	69.4%
Total	124,487	114,291	129,094	126,914	137,447	136,058	146,742	136,980	135,439	123,244	87,432	97,241	815,910	679,459
CUSTOMERS														
Monthly Count	105,218	105,676	106,064	104,933	103,764	101,484	100,448	100,349	101,363	102,410	104,709	106,780	101,636	105,563
FACTORS														
Coincident Factor (CF)	42.5%	42.6%	41.6%	45.3%	53.6%	47.7%	49.9%	40.6%	54.0%	39.3%	40.0%	39.7%	54.0%	44.4%
Load Factor (Max) %	32.2%	29.7%	34.5%	32.6%	34.5%	34.3%	37.1%	34.3%	33.8%	31.8%	23.1%	24.5%	34.0%	28.5%
Load Factor (NCP) %	68.3%	62.3%	67.4%	57.9%	56.4%	56.4%	58.8%	55.6%	55.0%	58.5%	48.1%	51.8%	54.5%	51.7%
Load Factor (CF) %	75.8%	69.9%	82.9%	72.1%	64.3%	71.9%	74.3%	84.5%	62.7%	80.9%	57.8%	61.7%	62.9%	64.3%
CUSTOMER AVERAGES														
Energy Use (kWh)	1,183	1,082	1,217	1,209	1,325	1,341	1,461	1,365	1,336	1,203	835	911	1,338	1,073
Ind. Max Demand (kW)	5.03	4.98	4.83	5.08	5.26	5.35	5.40	5.45	5.41	5.18	4.94	5.09	5.34	4.99
Coincident Demand (kW)	2.14	2.12	2.01	2.30	2.82	2.55	2.69	2.21	2.92	2.04	1.98	2.02	2.54	2.09

E-32 0-20kW

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-32 21-100KW

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
SUMMATION IND MAX (MW)															
Non-Timed	558.6	550.8	536.3	602.5	677.5	781.3	833.5	847.8	810.5	725.4	620.5	549.2	847.8	620.5	847.8
On-Peak	551.6	546.1	534.7	601.2	674.2	779.4	831.0	844.3	808.7	722.6	615.8	544.3	844.3	615.8	844.3
Off-Peak	553.3	546.1	530.8	590.2	669.1	773.6	825.6	838.8	799.0	716.6	616.3	543.9	838.8	616.3	838.8
CLASS PEAK (MW)															
On-Peak	314.6	337.9	354.6	426.2	506.2	582.8	635.8	636.8	602.3	494.3	395.3	312.0	636.8	426.2	636.8
Off-Peak	319.4	314.7	314.2	383.4	444.0	532.1	588.6	579.0	544.6	434.2	355.1	315.4	588.6	383.4	588.6
COINCIDENT (MW)															
System	309.6	307.0	308.8	370.1	450.1	487.2	539.0	473.7	532.4	386.0	340.6	285.8	539.0	370.1	539.0
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900			
ENERGY (MWH)															
On-Peak	60,063	55,761	63,061	75,407	84,422	98,477	115,725	99,453	102,970	86,872	46,720	48,187	587,919	349,199	937,118
On-Peak %	35.1%	35.4%	34.8%	39.1%	37.4%	38.3%	39.4%	35.4%	38.7%	38.7%	33.2%	35.0%	38.0%	35.6%	37.1%
Off-Peak	111,056	101,755	118,148	117,449	141,305	158,642	177,994	181,489	163,103	137,603	94,002	89,490	960,136	631,900	1,592,036
Off-Peak %	64.9%	64.6%	65.2%	60.9%	62.6%	61.7%	60.6%	64.6%	61.3%	61.3%	66.8%	65.0%	62.0%	64.4%	62.9%
Total	171,119	157,516	181,209	192,856	225,727	257,119	293,719	280,942	266,073	224,475	140,722	137,677	1,548,055	981,099	2,529,154
CUSTOMERS															
Monthly Count	14,640	14,393	14,093	15,351	16,688	19,060	20,032	20,447	19,645	18,404	16,239	14,494	19,043	14,868	16,956
FACTORS															
Coincident Factor (CP)	55.4%	55.7%	57.6%	61.4%	66.4%	62.4%	64.7%	55.9%	65.7%	53.2%	54.9%	52.0%	63.6%	59.6%	63.6%
Load Factor (Max) %	42.0%	39.2%	46.3%	43.8%	45.6%	45.1%	48.3%	45.4%	45.0%	42.4%	31.1%	34.3%	41.7%	36.1%	34.1%
Load Factor (NCP) %	73.4%	63.9%	70.0%	62.0%	61.1%	60.4%	63.3%	60.4%	60.5%	62.2%	48.8%	59.8%	55.5%	52.6%	45.3%
Load Factor (CP) %	75.7%	70.3%	80.4%	71.4%	68.7%	72.3%	74.6%	81.2%	68.5%	79.7%	56.6%	66.0%	65.6%	60.5%	53.6%
CUSTOMER AVERAGES															
Energy Use (kWh)	11,688	10,944	12,858	12,563	13,543	13,490	14,662	13,740	13,544	12,197	8,666	9,499	13,529	11,036	12,283
Ind. Max Demand (kW)	38.16	38.27	38.06	39.25	40.65	40.99	41.61	41.46	41.26	39.42	38.21	37.89	40.90	38.31	39.60
Coincident Demand (kW)	21.15	21.33	21.91	24.11	27.00	25.56	26.91	23.17	27.10	20.97	20.97	19.72	25.12	21.53	23.33

E-32 21-100KW

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-32 101-400KW

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
SUMMATION IND MAX (MW)															
Non-Timed	613.2	636.8	634.6	680.4	743.1	754.9	814.5	801.6	785.3	692.0	654.9	626.2	814.5	680.4	814.5
On-Peak	564.2	599.7	613.0	665.5	723.8	738.5	795.0	778.4	767.8	672.8	619.6	587.1	795.0	665.5	795.0
Off-Peak	592.2	609.0	601.2	632.2	708.1	722.4	775.3	770.8	747.8	660.2	628.7	603.9	775.3	632.2	775.3
CLASS PEAK (MW)															
On-Peak	411.9	436.0	455.0	504.6	561.6	575.1	629.0	628.4	605.2	499.0	448.7	415.5	629.0	504.6	629.0
Off-Peak	417.3	420.0	420.9	473.2	515.4	549.2	603.3	590.9	573.5	462.2	421.1	407.0	603.3	473.2	603.3
COINCIDENT (MW)															
System	408.3	422.2	398.5	442.3	498.0	501.0	553.7	456.7	523.2	364.3	390.8	340.1	553.7	442.3	553.7
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900			
ENERGY (MWH)															
On-Peak	82,421	79,799	87,895	99,862	107,383	109,044	124,323	108,199	115,461	102,943	63,056	65,638	667,353	478,671	1,146,024
On-Peak %	35.5%	35.4%	34.4%	37.9%	36.0%	36.2%	37.4%	34.1%	37.4%	37.5%	33.1%	35.1%	36.4%	35.3%	36.0%
Off-Peak	149,750	145,623	167,615	163,625	190,903	192,182	208,092	209,101	193,259	171,571	127,444	121,365	1,165,108	875,422	2,040,530
Off-Peak %	64.5%	64.6%	65.6%	62.1%	64.0%	63.8%	62.6%	65.9%	62.6%	62.5%	66.9%	64.9%	63.6%	64.7%	64.0%
Total	232,171	225,422	255,510	263,487	298,286	301,226	332,415	317,300	308,720	274,514	190,500	187,003	1,832,461	1,354,093	3,186,554
CUSTOMERS															
Monthly Count	4,366	4,293	4,270	4,288	4,335	4,274	4,301	4,282	4,275	4,275	4,389	4,274	4,290	4,313	4,302
FACTORS															
Coincident Factor (CP)	66.6%	66.3%	62.8%	65.0%	67.0%	66.4%	68.0%	57.0%	66.6%	52.6%	59.7%	54.3%	68.0%	65.0%	68.0%
Load Factor (Max) %	51.9%	48.5%	55.2%	53.0%	55.0%	54.7%	55.9%	54.2%	53.9%	54.3%	39.8%	40.9%	51.4%	45.4%	44.7%
Load Factor (NCP) %	76.2%	70.8%	76.9%	71.5%	72.8%	71.7%	72.4%	69.2%	69.9%	75.4%	58.2%	61.6%	66.5%	61.3%	57.8%
Load Factor (CP) %	77.9%	73.1%	87.8%	81.6%	82.1%	82.4%	82.2%	95.2%	80.8%	103.2%	66.8%	75.3%	75.6%	69.9%	65.7%
CUSTOMER AVERAGES															
Energy Use (kWh)	53,177	52,509	59,838	61,448	68,809	70,479	77,288	74,101	72,215	64,214	43,404	43,754	71,184	52,355	61,770
Ind. Max Demand (kW)	140.46	148.33	148.63	158.68	171.43	176.62	189.38	187.20	183.69	161.87	149.23	146.52	178.37	148.64	163.50
Coincident Demand (kW)	93.52	98.35	93.33	103.15	114.88	117.22	128.74	106.66	122.39	85.22	89.04	79.57	112.52	92.83	102.67

E-32 101-400KW

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-32 401+kW

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)		WINTER (Nov-Apr)		ANNUAL	
SUMMATION IND MAX (MW)																		
Non-Timed	479.9	440.1	473.7	494.2	522.0	526.4	598.0	576.4	536.3	563.4	492.5	456.2	598.0	494.2	598.0	494.2	598.0	598.0
On-Peak	461.8	425.8	469.6	489.3	517.2	519.7	592.3	572.1	531.1	553.7	481.6	443.0	592.3	489.3	592.3	489.3	592.3	592.3
Off-Peak	466.9	431.9	461.6	478.6	511.7	519.1	579.6	570.1	522.0	558.0	484.2	445.1	579.6	484.2	579.6	484.2	579.6	579.6
CLASS PEAK (MW)																		
On-Peak	365.1	310.0	324.1	363.7	401.8	392.3	509.0	424.4	460.0	384.7	324.8	306.4	509.0	365.1	509.0	365.1	509.0	509.0
Off-Peak	394.5	293.6	311.6	339.7	357.5	382.4	429.7	412.3	384.5	370.7	310.5	301.7	429.7	394.5	429.7	394.5	429.7	429.7
COINCIDENT (MW)																		
System	335.3	308.0	322.1	350.6	385.1	376.0	446.5	372.2	398.2	332.8	320.4	257.3	446.5	350.6	446.5	350.6	446.5	446.5
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900						
ENERGY (MWH)																		
On-Peak	79,930	67,784	72,268	87,321	99,615	96,770	107,642	93,301	98,298	100,814	57,874	61,420	596,440	426,597	1,023,037	426,597	1,023,037	1,023,037
On-Peak %	33.9%	33.5%	32.4%	35.6%	33.9%	33.9%	35.1%	31.8%	34.6%	35.3%	31.1%	33.6%	34.1%	33.0%	33.6%	33.0%	33.6%	33.6%
Off-Peak	155,853	134,555	169,301	157,964	194,234	188,688	199,030	200,098	185,800	184,779	128,215	121,378	1,152,629	867,266	2,019,895	867,266	2,019,895	2,019,895
Off-Peak %	66.1%	66.5%	67.6%	64.4%	66.1%	66.1%	64.9%	68.2%	65.4%	64.7%	68.9%	66.4%	65.9%	67.0%	66.4%	67.0%	66.4%	66.4%
Total	235,783	202,339	241,569	245,285	293,849	285,458	306,672	293,399	284,098	285,593	186,089	182,798	1,749,069	1,293,863	3,042,932	1,293,863	3,042,932	3,042,932
CUSTOMERS																		
Monthly Count	853	773	791	802	788	781	808	794	767	848	796	795	798	802	800	802	800	800
FACTORS																		
Coincident Factor (CP)	69.9%	70.0%	68.0%	70.9%	73.8%	71.4%	74.7%	64.6%	74.3%	59.1%	65.1%	56.4%	74.7%	70.9%	74.7%	70.9%	74.7%	74.7%
Load Factor (Max) %	67.3%	63.0%	69.9%	68.0%	77.1%	74.3%	70.3%	69.7%	72.6%	69.4%	51.8%	54.9%	66.8%	59.8%	66.8%	59.8%	66.8%	66.8%
Load Factor (NCP) %	81.9%	89.4%	102.1%	95.0%	100.2%	99.7%	82.5%	94.7%	84.6%	101.7%	78.5%	81.7%	78.5%	74.9%	78.5%	74.9%	78.5%	78.5%
Load Factor (CP) %	96.3%	90.0%	102.7%	95.8%	104.5%	104.0%	94.1%	108.0%	97.7%	117.6%	79.6%	97.3%	89.4%	84.3%	89.4%	84.3%	89.4%	89.4%
CUSTOMER AVERAGES																		
Energy Use (kWh)	276,416	261,758	305,397	305,842	372,905	365,503	379,545	369,520	370,402	336,784	233,780	229,935	365,776	268,855	317,316	268,855	317,316	317,316
Ind. Max Demand (kW)	562.62	569.28	598.84	616.19	662.37	673.99	740.04	725.95	699.17	664.35	618.68	573.86	694.31	589.91	642.11	589.91	642.11	642.11
Coincident Demand (kW)	393.08	398.45	407.21	437.16	488.71	481.43	552.60	468.77	519.17	392.45	402.51	323.65	483.85	393.68	438.76	393.68	438.76	438.76

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
Total E-30, E-32

	SUMMATION IND MAX (MW)												SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
Non-Timed	2,181.3	2,154.2	2,156.8	2,310.0	2,488.8	2,606.0	2,788.4	2,772.9	2,680.3	2,511.3	2,285.7	2,175.1	2,788.4	2,310.0	2,788.4	
On-Peak	2,064.1	2,062.8	2,101.1	2,271.6	2,443.8	2,566.3	2,747.5	2,726.5	2,640.8	2,459.9	2,201.5	2,080.9	2,747.5	2,271.6	2,747.5	
Off-Peak	2,123.8	2,089.5	2,075.9	2,195.6	2,410.7	2,538.3	2,704.6	2,708.7	2,595.0	2,436.9	2,225.6	2,116.4	2,708.7	2,225.6	2,708.7	
CLASS PEAK (MW)																
On-Peak	1,147.4	1,315.8	1,297.5	1,481.1	1,681.2	1,714.4	1,841.7	1,876.7	1,793.5	1,517.2	1,268.9	1,173.0	1,876.7	1,481.1	1,876.7	
Off-Peak	1,311.5	1,202.4	1,188.3	1,363.6	1,511.6	1,605.6	1,739.2	1,744.5	1,668.7	1,370.2	1,163.8	1,143.0	1,744.5	1,363.6	1,744.5	
COINCIDENT (MW)																
System	1,278.2	1,261.3	1,242.7	1,404.2	1,625.9	1,623.3	1,809.9	1,524.7	1,749.8	1,291.8	1,258.9	1,099.2	1,809.9	1,404.2	1,809.9	
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900				
ENERGY (MWH)																
On-Peak	264,955	243,450	273,702	311,532	342,001	356,669	405,910	349,731	369,891	338,619	196,541	208,628	2,162,821	1,498,808	3,661,629	
On-Peak %	34.7%	34.8%	33.9%	37.6%	35.8%	36.4%	37.6%	34.0%	37.2%	37.3%	32.5%	34.5%	36.4%	34.8%	35.7%	
Off-Peak	498,605	456,118	533,680	517,010	613,308	623,192	673,638	678,890	624,439	569,207	408,202	366,091	3,782,674	2,909,706	6,592,380	
Off-Peak %	65.3%	65.2%	66.1%	62.4%	64.2%	63.6%	62.4%	66.0%	62.8%	62.7%	67.5%	65.5%	63.6%	65.2%	64.3%	
Total	763,560	699,568	807,382	828,542	955,309	979,861	1,079,548	1,028,621	994,330	907,826	604,743	604,719	5,945,495	4,308,514	10,254,009	
CUSTOMERS																
Monthly Count	125,077	125,135	125,218	125,374	125,555	125,599	125,589	125,872	126,050	125,937	126,133	126,343	125,767	125,547	125,657	
FACTORS																
Coincident Factor (CP)	58.6%	58.6%	57.6%	60.8%	65.3%	62.3%	64.9%	55.0%	65.3%	51.4%	55.1%	50.5%	64.9%	60.8%	64.9%	
Load Factor (Max) %	48.0%	44.5%	51.3%	49.1%	52.6%	51.5%	53.0%	50.8%	50.8%	49.5%	36.2%	38.1%	48.7%	42.6%	42.0%	
Load Factor (NCP) %	79.8%	72.8%	85.2%	76.6%	77.8%	78.3%	80.3%	75.1%	75.9%	82.0%	65.3%	70.6%	72.3%	66.4%	62.4%	
Load Factor (CP) %	81.8%	76.0%	89.0%	80.8%	80.5%	82.7%	81.7%	92.4%	77.8%	96.3%	65.8%	75.4%	75.0%	70.1%	64.7%	
CUSTOMER AVERAGES																
Energy Use (kWh)	6,105	5,591	6,448	6,609	7,609	7,802	8,596	8,172	7,888	7,209	4,794	4,786	7,879	5,722	6,801	
Ind. Max Demand (kW)	17.44	17.22	17.22	18.42	19.82	20.75	22.20	22.03	21.26	19.94	18.12	17.22	21.00	17.61	19.30	
Coincident Demand (kW)	10.22	10.08	9.92	11.20	12.95	12.92	14.41	12.11	13.88	10.26	9.98	8.70	12.76	10.02	11.39	

Total E-30, E-32

TOU Periods - All Months On-Peak 11am - 9pm, M-F Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-32TOU 0-20KW

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)		WINTER (Nov-Apr)		ANNUAL	
SUMMATION IND MAX (MW)																		
Non-Timed	1.3	1.3	1.4	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.2	1.2	1.3	1.3	1.3	1.4	1.4
On-Peak	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.2	1.2	1.3	1.3	1.3	1.4	1.4
Off-Peak	1.3	1.3	1.4	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.1	1.1	1.3	1.3	1.3	1.3	1.3
CLASS PEAK (MW)																		
On-Peak	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8
Off-Peak	0.8	0.7	0.8	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8
COINCIDENT (MW)																		
System	0.7	0.6	0.8	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.6	0.6	0.8	0.8	0.8
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900	07	0.6	0.6	0.8	0.8	0.8
ENERGY (MWH)																		
On-Peak	105	82	91	101	97	91	115	91	106	95	67	66	66	595	512	512	1,107	
On-Peak %	24.8%	22.6%	21.6%	25.5%	26.0%	23.9%	25.9%	23.0%	28.6%	26.5%	23.6%	26.4%	26.4%	25.5%	24.0%	24.0%	24.8%	
Off-Peak	320	281	328	295	275	288	329	305	272	265	216	183	183	1,734	1,623	1,623	3,357	
Off-Peak %	75.2%	77.4%	78.4%	74.5%	74.0%	76.1%	74.1%	77.0%	71.4%	73.5%	76.4%	73.6%	73.6%	74.5%	76.0%	76.0%	75.2%	
Total	425	363	419	396	372	379	444	396	378	360	283	249	249	2,329	2,135	2,135	4,464	
CUSTOMERS																		
Monthly Count	213	207	218	209	196	189	199	193	191	209	228	204	204	196	213	213	205	205
FACTORS																		
Coincident Factor (CP)	52.9%	45.9%	57.8%	33.3%	41.0%	41.7%	39.0%	40.5%	40.8%	44.5%	51.9%	58.3%	58.3%	44.5%	57.8%	57.8%	44.5%	
Load Factor (Max) %	44.0%	38.1%	41.5%	45.2%	41.8%	43.3%	47.5%	44.0%	42.3%	36.5%	28.8%	28.4%	28.4%	39.4%	35.2%	35.2%	36.8%	
Load Factor (NCP) %	75.3%	64.4%	69.0%	74.6%	65.1%	66.4%	72.7%	73.2%	67.4%	61.7%	48.7%	48.1%	48.1%	63.5%	58.6%	58.6%	60.9%	
Load Factor (CP) %	83.2%	82.9%	71.7%	135.6%	101.9%	103.8%	121.6%	108.5%	103.6%	82.2%	55.4%	48.7%	48.7%	88.6%	60.9%	60.9%	63.7%	
CUSTOMER AVERAGES																		
Energy Use (kWh)	1,995	1,754	1,922	1,895	1,898	2,005	2,231	2,052	1,979	1,722	1,252	1,221	1,221	1,981	1,673	1,673	1,827	
Ind. Max Demand (kW)	6.21	6.31	6.35	5.74	6.22	6.35	6.44	6.39	6.41	6.46	5.97	5.88	5.88	6.38	6.08	6.08	6.23	
Coincident Demand (kW)	3.29	2.90	3.67	1.91	2.55	2.65	2.51	2.59	2.62	2.87	3.10	3.43	3.43	2.63	3.05	3.05	2.84	

E-32TOU 0-20kW

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-32TOU 21-100KW

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL	
	SUMMATION IND MAX (MW)															
Non-Timed	6.2	5.8	6.5	6.3	7.0	7.2	8.1	7.4	7.9	7.0	6.6	5.7	8.1	8.1	6.6	8.1
On-Peak	6.2	5.7	6.3	6.2	6.9	7.2	8.1	7.4	7.9	6.9	6.6	5.6	8.1	8.1	6.6	8.1
Off-Peak	6.1	5.8	6.4	6.2	6.9	7.1	8.0	7.4	7.7	6.9	6.3	5.7	8.0	8.0	6.4	8.0
CLASS PEAK (MW)																
On-Peak	4.1	3.9	4.4	4.3	5.0	4.8	5.8	5.2	5.5	4.8	4.2	3.8	5.8	4.4	4.4	5.8
Off-Peak	4.2	3.9	4.5	4.1	5.0	4.8	5.6	5.3	5.5	4.7	4.2	3.9	5.6	4.5	4.5	5.6
COINCIDENT (MW)																
System	3.7	3.5	4.4	3.7	4.3	4.2	5.0	4.4	4.6	4.1	4.0	3.8	5.0	4.4	4.4	5.0
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900	3.8			
ENERGY (MWH)																
On-Peak	751	646	877	895	887	1,051	1,245	1,005	1,012	905	498	551	6,105	4,218	10,323	
On-Peak %	30.4%	30.1%	28.8%	32.4%	31.3%	32.5%	33.9%	30.1%	33.7%	34.0%	28.3%	30.9%	32.6%	30.2%	31.6%	
Off-Peak	1,719	1,499	2,168	1,866	1,946	2,184	2,428	2,334	1,992	1,756	1,260	1,233	12,840	9,745	22,385	
Off-Peak %	69.6%	69.9%	71.2%	67.6%	68.7%	67.5%	66.1%	69.9%	66.3%	66.0%	71.7%	69.1%	67.4%	69.8%	68.4%	
Total	2,470	2,145	3,045	2,761	2,833	3,235	3,673	3,339	3,004	2,661	1,758	1,784	18,745	13,963	32,708	
CUSTOMERS																
Monthly Count	138	132	143	139	142	140	156	149	158	152	147	132	150	139	144	
FACTORS																
Coincident Factor (CF)	59.6%	60.3%	67.8%	59.0%	61.4%	58.3%	61.7%	59.3%	58.2%	58.4%	60.6%	66.7%	61.7%	66.7%	61.7%	
Load Factor (Max) %	54.5%	50.7%	64.3%	60.3%	55.5%	61.5%	62.1%	61.7%	52.1%	51.9%	36.5%	42.9%	52.8%	48.3%	46.1%	
Load Factor (NCP) %	81.5%	74.8%	93.5%	87.1%	77.4%	91.7%	86.9%	86.9%	74.5%	75.4%	57.0%	63.0%	73.9%	71.5%	64.5%	
Load Factor (CP) %	91.4%	84.0%	94.8%	102.2%	90.3%	105.5%	100.6%	104.0%	89.5%	88.9%	60.2%	64.3%	85.6%	72.5%	74.7%	
CUSTOMER AVERAGES																
Energy Use (kWh)	17,899	16,250	21,294	19,863	19,951	23,107	23,545	22,409	19,013	17,507	11,959	13,515	20,922	16,797	18,859	
Ind. Max Demand (kW)	45.02	43.94	45.99	45.12	49.28	51.43	51.92	49.76	50.00	46.20	44.90	43.18	49.77	44.59	47.18	
Coincident Demand (kW)	26.81	26.52	30.77	26.62	30.28	30.00	32.05	29.53	29.11	26.97	27.21	28.79	29.66	27.79	28.72	

E-32TOU 21-100KW

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-32TOU 101-400kW

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
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SUMMATION IND MAX (MW)															
Non-Timed	12.1	11.9	12.4	13.3	13.7	15.0	15.8	15.0	14.9	13.6	12.6	11.1	15.8	13.3	15.8
On-Peak	10.6	10.8	11.4	12.7	12.6	13.6	14.7	13.9	14.1	11.7	10.7	10.2	14.7	12.7	14.7
Off-Peak	11.9	11.6	12.0	12.7	13.4	14.7	15.3	14.7	14.5	13.4	12.4	10.9	15.3	12.7	15.3

CLASS PEAK (MW)															
On-Peak	8.5	8.2	8.8	9.7	10.0	10.9	11.6	10.9	11.3	9.5	8.4	7.3	11.6	9.7	11.6
Off-Peak	9.4	9.0	8.9	9.9	9.8	11.1	11.7	11.0	11.4	10.1	9.1	7.8	11.7	9.9	11.7

COINCIDENT (MW)															
System	9.1	9.0	8.1	8.7	9.0	9.9	10.8	9.7	9.9	8.5	7.7	7.0	10.8	9.1	10.8
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900			

ENERGY (MWH)															
On-Peak	1,858	1,511	1,726	1,968	2,028	2,226	2,462	2,077	2,120	2,083	1,175	1,180	12,996	9,408	22,404
On-Peak %	31.9%	31.6%	30.3%	33.5%	31.9%	32.4%	33.7%	30.3%	32.3%	32.6%	29.1%	31.9%	32.2%	31.5%	31.9%
Off-Peak	3,968	3,272	3,888	4,328	4,645	4,844	4,779	4,444	4,444	4,306	2,864	2,519	27,346	20,483	47,829
Off-Peak %	68.1%	68.4%	69.7%	66.5%	68.1%	67.6%	66.3%	69.7%	67.7%	67.4%	70.9%	68.1%	67.8%	68.5%	68.1%
Total	5,826	4,783	5,614	6,296	6,673	7,071	7,236	6,551	6,564	6,389	4,039	3,699	40,342	29,891	70,233

CUSTOMERS															
Monthly Count	77	69	72	72	68	71	71	69	69	72	72	65	70	71	71

FACTORS															
Coincident Factor (CF)	75.2%	75.7%	65.5%	65.4%	65.8%	65.9%	68.5%	64.8%	66.5%	62.5%	60.9%	62.8%	68.5%	68.4%	68.5%
Load Factor (Max) %	65.9%	55.1%	63.1%	60.2%	63.7%	62.8%	63.5%	62.7%	60.4%	64.4%	43.7%	45.5%	58.4%	51.3%	50.8%
Load Factor (NCP) %	84.7%	72.6%	88.2%	81.1%	87.0%	84.9%	85.8%	85.7%	78.8%	86.3%	60.8%	64.7%	79.0%	69.1%	68.7%
Load Factor (CF) %	87.7%	72.8%	96.4%	92.0%	96.7%	95.1%	92.7%	96.8%	90.8%	103.0%	71.9%	72.4%	85.3%	75.0%	74.2%

CUSTOMER AVERAGES															
Energy Use (kWh)	75,662	69,319	79,139	81,194	93,471	96,775	102,901	99,362	95,130	88,736	56,097	56,908	96,063	69,720	82,891
Ind. Max Demand (kW)	157.26	172.38	171.80	184.88	201.03	211.67	222.11	216.93	215.60	188.84	175.67	171.43	209.36	172.24	190.80
Coincident Demand (kW)	118.18	130.43	112.50	120.83	132.35	139.44	152.11	140.58	143.48	118.06	106.94	107.69	137.67	116.10	126.88

E-32TOU 101-400kW

TOU Periods - All Months	On-Peak 11am - 9pm, M-F	Off-Peak 9pm - 11am, M-F, and All Weekend
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Load Research Data Analysis
For Calendar Year: 2014
E-32TOU 401+kW

SUMMATION IND. MAX. (MW)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
	51.3	37.6	51.1	42.0	45.0	48.7	46.6	48.9	47.0	46.9	43.3	38.7			
On-Peak	47.9	37.4	46.6	40.5	43.4	43.4	44.7	46.5	43.5	43.6	40.5	36.2	46.5	47.9	47.9
Off-Peak	50.7	37.0	50.7	41.6	44.1	47.4	45.6	48.1	46.2	45.9	42.8	38.7	48.1	50.7	50.7
CLASS PEAK (MW)															
On-Peak	31.6	24.4	37.8	31.9	34.1	30.1	30.4	32.7	32.3	28.0	29.7	24.6	34.1	37.8	37.8
Off-Peak	36.4	26.8	29.3	26.7	29.9	33.2	33.1	33.4	29.6	28.6	28.1	24.7	33.4	36.4	36.4
COINCIDENT (MW)															
System	34.9	25.7	37.2	31.4	33.4	32.8	32.8	33.1	31.8	27.4	29.2	19.6	33.4	37.2	37.2
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900			
ENERGY (MWH)															
On-Peak	8,404	5,103	7,809	6,938	7,973	6,631	7,542	6,399	6,944	6,997	4,621	4,662	42,486	37,537	80,023
On-Peak %	31.6%	30.7%	29.4%	33.1%	31.7%	30.9%	32.1%	29.3%	31.6%	32.0%	29.8%	31.6%	31.5%	31.0%	31.3%
Off-Peak	18,192	11,519	18,769	14,022	16,232	14,830	15,952	15,442	15,032	14,869	10,887	10,092	92,357	83,465	175,822
Off-Peak %	68.4%	69.3%	70.6%	66.9%	68.3%	69.1%	67.9%	70.7%	68.4%	68.0%	70.2%	68.4%	68.5%	69.0%	68.7%
Total	26,596	16,622	26,562	20,960	24,205	21,461	23,494	21,841	21,976	21,866	15,508	14,754	134,843	121,002	255,845
CUSTOMERS															
Monthly Count	65	52	62	55	56	53	53	56	55	56	58	50	55	57	56
FACTORS															
Coincident Factor (CP)	68.0%	68.4%	72.7%	74.8%	74.2%	67.3%	70.4%	67.7%	67.7%	58.4%	67.4%	50.6%	68.3%	72.5%	68.3%
Load Factor (Max) %	71.0%	60.6%	71.2%	68.4%	73.6%	60.3%	69.0%	61.2%	64.1%	63.8%	49.1%	52.2%	63.0%	53.8%	56.9%
Load Factor (NCP) %	100.1%	85.0%	96.3%	90.0%	97.2%	88.6%	97.2%	89.6%	93.2%	104.7%	71.5%	81.8%	90.3%	73.1%	77.3%
Load Factor (CP) %	104.4%	88.6%	97.8%	91.4%	99.3%	89.6%	98.1%	90.4%	94.7%	109.3%	72.8%	103.1%	92.2%	74.3%	78.5%
CUSTOMER AVERAGES															
Energy Use (kWh)	409,169	319,654	428,419	381,091	432,232	404,925	443,283	390,018	399,564	390,464	267,379	295,080	410,081	350,132	380,107
Ind. Max Demand (kW)	789.87	722.69	824.80	763.40	803.97	919.45	879.64	872.76	854.45	838.26	746.54	774.00	861.42	770.21	815.82
Coincident Demand (kW)	536.92	494.23	600.00	570.91	596.43	618.87	618.87	591.07	578.18	499.29	503.45	392.00	582.12	516.25	549.18

E-32TOU 401+kW

TOU Periods - All Months
On-Peak 11am - 9pm, M-F
Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
Total E-32TOU

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
SUMMATION IND MAX (MW)															
Non-Timed	70.985	56.581	71.381	62.770	66.909	72.160	71.772	72.490	70.972	68.911	63.848	56.843	72.5	71.4	72.5
On-Peak	65.9	55.1	65.6	60.6	64.1	65.4	68.6	68.9	66.7	63.6	59.1	53.1	68.9	65.9	68.9
Off-Peak	70.1	55.6	70.5	61.6	65.6	70.3	70.1	71.4	69.5	67.5	62.8	56.5	71.4	70.5	71.4
CLASS PEAK (MW)															
On-Peak	66.8	46.6	64.6	51.6	62.3	67.7	68.5	66.4	65.7	48.5	48.3	39.5	68.5	66.8	68.5
Off-Peak	60.4	42.5	64.8	51.1	65.2	67.7	70.0	66.1	62.2	48.5	48.2	38.3	70.0	64.8	70.0
COINCIDENT (MW)															
System	48.4	38.8	50.5	44.2	47.2	47.4	49.1	47.7	46.8	40.6	41.6	31.1	49.1	50.5	50.5
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900			
ENERGY (MWH)															
On-Peak	11,125	7,341	10,503	9,888	10,670	9,999	11,348	9,567	10,183	10,102	6,368	6,474	61,869	51,699	113,568
On-Peak %	31.5%	30.7%	29.4%	33.0%	31.6%	31.3%	32.5%	29.5%	31.9%	32.3%	29.5%	31.6%	31.5%	31.0%	31.3%
Off-Peak	24,192	16,572	25,221	20,075	23,096	21,947	23,569	22,865	21,739	21,174	15,220	14,012	134,390	115,292	249,682
Off-Peak %	68.5%	69.3%	70.6%	67.0%	68.4%	68.7%	67.5%	70.5%	68.1%	67.7%	70.5%	68.4%	68.5%	69.0%	68.7%
Total	35,317	23,913	35,724	29,963	33,766	31,946	34,917	32,432	31,922	31,276	21,588	20,486	196,259	166,991	363,250
CUSTOMERS															
Monthly Count	493	460	495	475	462	453	479	467	473	489	503	451	471	480	475
FACTORS															
Coincident Factor (CP)	68.2%	68.6%	70.7%	70.4%	70.5%	65.7%	68.4%	65.8%	65.9%	58.9%	65.2%	54.7%	67.7%	70.7%	67.7%
Load Factor (Max) %	68.2%	57.9%	68.6%	65.4%	69.1%	60.6%	66.6%	61.3%	61.6%	62.2%	46.3%	49.4%	61.8%	53.4%	57.2%
Load Factor (NCP) %	72.4%	70.3%	75.5%	79.6%	70.9%	64.6%	68.3%	66.9%	66.5%	88.4%	61.2%	71.0%	64.0%	57.1%	59.2%
Load Factor (CP) %	100.0%	84.4%	96.9%	92.9%	98.0%	92.3%	97.4%	93.1%	93.4%	105.5%	71.1%	90.2%	91.3%	75.5%	82.1%
CUSTOMER AVERAGES															
Energy Use (kWh)	71,637	51,985	72,170	63,080	73,087	70,521	72,896	69,448	67,488	63,959	42,918	45,424	69,566	57,869	63,718
Ind. Max Demand (kW)	143.99	123.00	144.20	132.15	144.82	159.29	149.84	155.23	150.05	140.92	126.93	126.04	150.02	132.72	141.37
Coincident Demand (kW)	98.17	84.35	102.02	93.05	102.16	104.64	102.51	102.14	96.94	83.03	82.70	68.96	98.90	88.21	93.56

Total E-32TOU

TOU Periods - All Months
On-Peak 11am - 9pm, M-F
Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-34

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER (May-Oct)		WINTER (Nov-Apr)		ANNUAL	
SUMMATION IND MAX (MW)																		
Non-Timed	117.0	121.0	124.2	133.1	140.1	149.4	171.9	154.1	154.4	135.6	120.9	119.4	171.9	133.1	171.9	133.1	171.9	
On-Peak	115.2	120.3	123.3	132.6	139.9	148.4	171.3	153.4	151.8	134.1	120.6	117.2	171.3	132.6	171.3	132.6	171.3	
Off-Peak	114.7	116.9	120.1	127.2	134.8	143.8	166.4	150.2	150.4	132.1	117.4	116.8	166.4	127.2	166.4	127.2	166.4	
CLASS PEAK (MW)																		
On-Peak	105.6	111.2	115.1	124.2	128.9	140.2	152.8	142.7	142.2	123.6	110.0	108.6	152.8	124.2	152.8	124.2	152.8	
Off-Peak	103.7	107.2	111.1	116.1	121.3	136.4	150.2	139.1	138.3	121.4	106.5	106.3	150.2	116.1	150.2	116.1	150.2	
COINCIDENT (MW)																		
System	97.5	99.8	105.3	114.8	123.4	133.1	143.5	124.8	132.1	109.8	103.1	87.8	143.5	114.8	143.5	114.8	143.5	
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900						
ENERGY (MWH)																		
On-Peak	22,240	20,743	20,311	21,974	22,958	24,919	28,620	26,671	28,972	25,860	21,433	22,299	158,000	129,000	158,000	129,000	158,000	
On-Peak %	33.2%	32.5%	31.2%	34.0%	32.7%	32.8%	34.0%	30.9%	33.6%	34.2%	30.4%	33.0%	33.0%	32.4%	33.0%	32.4%	32.7%	
Off-Peak	44,749	43,082	44,788	42,654	47,251	51,054	55,556	59,642	57,253	49,754	49,071	45,274	320,510	269,618	320,510	269,618	320,510	
Off-Peak %	66.8%	67.5%	68.8%	66.0%	67.3%	67.2%	66.0%	69.1%	66.4%	65.8%	69.6%	67.0%	67.0%	67.6%	67.0%	67.6%	67.3%	
Total	66,989	63,825	65,099	64,628	70,209	75,973	84,176	86,313	86,225	75,614	70,504	67,573	478,510	398,618	478,510	398,618	478,510	
CUSTOMERS																		
Monthly Count	31	31	31	31	31	31	32	31	31	31	30	30	31	31	31	31	31	
FACTORS																		
Coincident Factor (CF)	83.3%	82.5%	84.6%	86.2%	88.1%	89.1%	83.5%	81.0%	85.6%	81.0%	85.3%	73.5%	83.5%	86.2%	83.5%	86.2%	83.5%	
Load Factor (Max) %	78.4%	72.3%	71.8%	66.5%	68.6%	69.7%	67.1%	76.7%	76.5%	76.4%	79.9%	77.5%	63.5%	68.4%	63.5%	68.4%	58.2%	
Load Factor (NCP) %	86.9%	78.7%	77.5%	71.3%	74.6%	74.2%	75.4%	82.8%	83.1%	83.8%	87.8%	85.2%	71.5%	73.3%	71.5%	73.3%	65.5%	
Load Factor (CP) %	94.1%	87.6%	84.7%	77.1%	77.9%	78.2%	80.4%	94.7%	89.4%	94.3%	93.7%	105.4%	76.1%	79.3%	76.1%	79.3%	69.8%	
CUSTOMER AVERAGES																		
Energy Use (kWh)	2,160,935	2,058,871	2,099,968	2,084,774	2,264,806	2,450,742	2,630,500	2,784,290	2,781,452	2,520,467	2,350,133	2,252,433	2,572,043	2,167,853	2,572,043	2,167,853	2,369,948	
Ind. Max Demand (kW)	3774.24	3903.05	4007.77	4294.38	4520.71	4819.13	5372.59	4971.18	4979.19	4518.43	4028.82	3980.44	4863.54	3998.12	4863.54	3998.12	4430.83	
Coincident Demand (kW)	3145.16	3219.35	3396.77	3703.23	3980.65	4293.55	4484.38	4025.81	4261.29	3660.00	3436.67	2926.67	4117.61	3304.64	4117.61	3304.64	3711.13	

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
E-35

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	SUMMER		WINTER		ANNUAL
													(May-Oct)	(Nov-Apr)			
SUMMATION IND MAX (MW)																	
Non-Timed	289.7	295.5	290.1	298.3	310.9	322.5	330.9	336.1	336.1	311.1	290.9	295.0	336.1	336.1	298.3	336.1	336.1
On-Peak	267.3	272.7	266.2	277.9	282.5	290.2	300.8	301.1	305.2	281.0	267.7	270.0	305.2	305.2	277.9	305.2	305.2
Off-Peak	285.6	292.5	287.7	295.4	308.6	321.4	328.7	334.6	334.7	309.6	288.5	290.2	334.7	334.7	295.4	334.7	334.7
CLASS PEAK (MW)																	
On-Peak	237.2	244.5	243.5	249.5	250.4	260.8	264.7	272.8	277.2	252.4	242.9	241.8	277.2	277.2	249.5	277.2	277.2
Off-Peak	245.1	250.3	248.5	258.9	260.4	274.2	284.7	287.8	288.8	269.6	250.3	249.4	288.8	288.8	258.9	288.8	288.8
COINCIDENT (MW)																	
System	227.3	245.5	241.5	235.4	248.8	256.4	248.8	229.1	253.8	229.2	235.7	202.5	256.4	256.4	245.5	256.4	256.4
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900	202.5	256.4	245.5	256.4	256.4
ENERGY (MWH)																	
On-Peak	49,192	47,948	45,963	47,326	47,597	51,485	55,226	51,318	53,516	51,977	46,244	49,757	53,516	53,516	46,244	51,977	51,977
On-Peak %	31.1%	30.0%	28.2%	30.4%	29.3%	28.8%	30.4%	27.8%	29.9%	30.4%	27.5%	30.6%	29.9%	29.4%	29.6%	29.4%	29.5%
Off-Peak	108,983	111,878	117,001	108,351	114,849	127,284	126,438	133,279	125,466	119,001	121,917	112,848	125,466	746,317	680,977	1,427,294	1,427,294
Off-Peak %	68.9%	70.0%	71.8%	69.6%	70.7%	71.2%	69.6%	72.2%	70.1%	69.6%	72.5%	69.4%	70.1%	70.6%	70.4%	70.6%	70.5%
Total	158,175	159,825	162,964	155,677	162,446	178,769	181,664	184,597	178,982	170,978	168,161	162,605	178,982	1,057,436	967,397	2,024,833	2,024,833
CUSTOMERS																	
Monthly Count	37	37	37	37	37	37	37	37	37	37	36	36	36	37	37	37	37
FACTORS																	
Coincident Factor (CP)	78.5%	83.1%	83.2%	78.9%	80.0%	79.5%	75.2%	68.2%	75.5%	73.7%	81.0%	68.7%	75.5%	76.3%	82.3%	76.3%	76.3%
Load Factor (Max) %	74.8%	74.1%	76.9%	71.5%	71.6%	75.9%	75.2%	75.2%	72.9%	75.3%	79.2%	75.5%	72.9%	71.8%	74.0%	71.8%	68.8%
Load Factor (NCP) %	88.4%	87.5%	89.8%	82.4%	85.4%	89.3%	87.4%	87.9%	84.9%	86.9%	92.0%	89.3%	84.9%	83.6%	85.3%	83.6%	80.0%
Load Factor (CP) %	95.3%	89.2%	92.4%	90.6%	89.4%	95.5%	100.0%	110.4%	96.6%	102.2%	97.7%	110.0%	96.6%	94.2%	90.0%	94.2%	90.2%
CUSTOMER AVERAGES																	
Energy Use (kWh)	4,275,000	4,319,595	4,404,162	4,207,486	4,390,432	4,831,595	4,909,836	4,989,108	4,837,351	4,749,389	4,671,139	4,516,806	4,837,351	4,784,619	4,399,031	4,591,825	4,591,825
Ind. Max Demand (kW)	7830.61	7986.84	7840.60	8063.30	8401.72	8714.99	8944.10	9082.90	9084.06	8642.76	8080.18	8193.43	9084.06	8811.75	7999.16	8405.46	8405.46
Coincident Demand (kW)	6143.24	6635.14	6527.03	6362.16	6724.32	6929.73	6724.32	6191.89	6859.46	6366.67	6547.22	5625.00	6859.46	6632.73	6306.63	6469.68	6469.68

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
STREETLIGHTS

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep Value	Oct	Nov	Dec	SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL
	SUMMATION IND MAX (MW)														
Non-Timed	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
On-Peak	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
Off-Peak	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
CLASS PEAK (MW)															
On-Peak	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
Off-Peak	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
COINCIDENT (MW)															
System	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time	10TH@0800	04TH@0800	25TH@2000	21ST@2000	17TH@1800	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900			
ENERGY (MWH)															
On-Peak	2,214	1,886	1,608	1,606	1,339	1,142	1,209	1,319	1,741	2,134	2,073	2,348	8,884	11,735	20,619
On-Peak %	17.6%	15.6%	13.5%	13.5%	11.5%	9.8%	10.4%	11.3%	14.9%	18.1%	17.5%	19.2%	12.7%	16.2%	14.5%
Off-Peak	10,376	10,204	10,276	10,302	10,325	10,523	10,429	10,386	9,931	9,651	9,754	9,889	61,245	60,801	122,046
Off-Peak %	82.4%	84.4%	86.5%	86.5%	88.5%	90.2%	89.6%	88.7%	85.1%	81.9%	82.5%	80.8%	87.3%	83.8%	85.5%
Total	12,590	12,090	11,884	11,908	11,664	11,665	11,638	11,705	11,672	11,785	11,827	12,237	70,129	72,538	142,665
CUSTOMERS															
Monthly Count	1,008	1,008	1,011	1,013	1,012	1,014	1,015	1,013	1,016	1,021	1,021	1,023	1,015	1,014	1,015
FACTORS															
Coincident Factor (CP)	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%
Load Factor (Max) %	52.3%	50.2%	49.3%	49.4%	48.4%	48.4%	48.3%	48.6%	48.5%	48.9%	49.1%	50.8%	48.5%	50.2%	49.4%
Load Factor (NCP) %	52.3%	50.2%	49.3%	49.4%	48.4%	48.4%	48.3%	48.6%	48.5%	48.9%	49.1%	50.8%	48.5%	50.2%	49.4%
Load Factor (CP) %	0.0%	0.0%	49.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	49.1%	50.8%	#DIV/0!	50.2%	49.4%
CUSTOMER AVERAGES															
Energy Use (kWh)	12,490	11,994	11,755	11,755	11,526	11,504	11,466	11,555	11,488	11,543	11,584	11,962	11,514	11,923	11,718
Ind. Max Demand (kW)	32.74	32.74	32.84	32.58	32.61	32.54	32.51	32.58	32.48	32.32	32.32	32.26	32.51	32.55	32.53
Coincident Demand (kW)	0.00	0.00	32.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.32	32.26	0.00	16.20	8.10

Streetlights

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

Load Research Data Analysis
For Calendar Year: 2014
DUSK TO DAWN

	SUMMATION IND MAX (MW)												SUMMER (May-Oct)	WINTER (Nov-Apr)	ANNUAL	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Value	Oct	Nov				Dec
Non-Timed	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
On-Peak	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Off-Peak	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
CLASS PEAK (MW)																
On-Peak	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Off-Peak	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
COINCIDENT (MW)																
System	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Time	10TH@0800	04TH@0800	25TH@2000	21ST@1800	27TH@1700	30TH@1800	23RD@1800	17TH@1800	02ND@1700	04TH@1700	06TH@1900	31ST@1900				
ENERGY (MWH)																
On-Peak	335	295	259	258	220	188	199	216	286	347	336	367	1,456	1,850	3,306	
On-Peak %	17.6%	15.4%	13.5%	13.5%	11.5%	9.8%	10.4%	11.3%	14.9%	18.1%	17.5%	19.2%	12.7%	16.1%	14.4%	
Off-Peak	1,568	1,621	1,653	1,658	1,694	1,727	1,713	1,701	1,631	1,570	1,579	1,548	10,036	9,627	19,663	
Off-Peak %	82.4%	84.6%	86.5%	86.5%	88.5%	90.2%	89.6%	88.7%	85.1%	81.9%	82.5%	80.8%	87.3%	83.9%	85.6%	
Total	1,903	1,916	1,912	1,916	1,914	1,915	1,912	1,917	1,917	1,917	1,915	1,915	11,492	11,477	22,969	
CUSTOMERS																
Monthly Count	8,327	8,311	8,336	8,353	8,365	8,354	8,378	8,309	8,334	8,343	8,275	8,319	8,347	8,320	8,334	
FACTORS																
Coincident Factor (CP)	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	0.0%	100.0%	0.0%	
Load Factor (Max) %	49.2%	49.5%	49.4%	49.5%	49.5%	49.5%	49.4%	49.5%	49.5%	49.5%	49.5%	49.5%	49.5%	49.4%	49.5%	
Load Factor (NCP) %	49.2%	49.5%	49.4%	49.5%	49.5%	49.5%	49.4%	49.5%	49.5%	49.5%	49.5%	49.5%	49.5%	49.4%	49.5%	
Load Factor (CP) %	0.0%	0.0%	49.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	49.5%	49.5%	#DIV/0!	49.4%	49.5%	
CUSTOMER AVERAGES																
Energy Use (kWh)	229	231	229	229	229	229	228	231	230	230	231	230	229	230	230	
Ind. Max Demand (kW)	0.64	0.64	0.64	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.63	0.64	0.64	
Coincident Demand (kW)	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.64	0.00	0.32	0.16	

Dusk To Dawn

TOU Periods - All Months
 On-Peak 11am - 9pm, M-F
 Off-Peak 9pm - 11am, M-F, and All Weekend

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-203 Section A.3

Customers by Customer Class for Previous Ten Years

Customer Class	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Residential	896,472	936,464	966,013	977,944	983,539	989,877	994,244	1,005,074	1,019,292	1,033,728
Commercial	106,374	110,547	115,304	118,945	120,305	120,229	121,116	122,360	123,319	124,460
Industrial and Irrigation	3,794	3,871	3,927	3,933	3,857	3,777	3,744	3,721	3,701	3,728
Public Street Lighting	809	831	913	919	918	1,001	972	982	993	1,008
Other Public Authorities	191	182	170	164	162	163	160	159	157	156
Total Customers	1,007,640	1,051,895	1,086,327	1,101,905	1,108,781	1,115,047	1,120,236	1,132,296	1,147,462	1,163,080

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: A.4

Reduction in load (kilowatt and kilowatt-hours) in the previous calendar year due to existing demand management measures, by type of management measure.

**APS DSM Electric Savings
January - December 2014**

DSM Program	Savings MW	Annual MWh Savings	Lifetime MWh Savings
Residential Program			
Consumer Products	10.7	111,188	943,114
Existing Homes	11.9	18,431	238,852
New Construction	6.5	13,639	272,774
Appliance Recycling	1.3	9,046	54,276
Conservation Behavior	6.7	32,334	32,334
Multi-Family	0.6	7,594	60,033
Shade Tree	0.2	405	12,143
Limited Income	0.2	1,443	25,248
Total	38.1	194,080	1,638,774
Non-Residential Program			
Large Existing Facilities	33.4	160,298	2,048,526
New Construction	6.3	26,546	383,542
Small Business	4.0	14,289	183,827
Energy Information Services	2.0	29	143
Schools	2.8	12,432	167,904
Total	48.5	213,594	2,783,942
Codes & Standards	6.6	37,177	244,809
DR Contribution	0	50,559	0
Total DSM Savings	93.2	495,410	4,667,525

Program/Initiatives	Load Reduction (MW)	Energy Savings Year-to-Date
APS Peak Solutions	35.0	153,300
Critical Peak Pricing	0.2	977
Peak Time Rebates	0.3	1,356
Time of Use Rates & Super Peak	157.0	690,726
Total	192.5	846,359

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section B.1.a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r

Portions of this information are competitively confidential and have been redacted. An unredacted version is being provided to Commission Staff pursuant to an executed Protective Agreement.

ARIZONA PUBLIC SERVICE COMPANY
2016 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014

R14-2703 Section: B.1.a, b, c, d, e, f, g, h, i, j, k, l, m, n, o
2014 GENERATING UNIT INFORMATION - REDACTED

B.1 PLANT	(B.1.a)		(B.1.b)	(B.1.c)	(B.1.d) (M1), (M5)		(B.1.e)	(B.1.f)		(B.1.g) (M2)	(B.1.h) (M7)		(B.1.i)	(B.1.j)	(B.1.k)	(B.1.l)	(B.1.m)	(B.1.n)	(B.1.o)	
	IN SERVICE	BOOK LIFE			TYPE OF UNIT OR CONTRACT	(AFS SHARE) CAPACITY MW		Summer	Winter		AVERAGE HEAT RATE BTU/KWH	HEAT RATE BTU/KWH								FUEL COSTS \$/MBTU
Palo Verde																				
Unit 1	1986	2044	Nuclear Steam	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382
Unit 2	1986	2045	Nuclear Steam	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382
Unit 3	1986	2047	Nuclear Steam	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382
Four Corners																				
Unit 4	1969	2038	Steam	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1
Unit 5	1970	2038	Steam	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1	485.1
Cholla																				
Unit 1	1962	2028	Steam	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116	116
Unit 2	1976	2033	Steam	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260
Unit 3	1960	2035	Steam	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271
Navajo																				
Unit 1	1974	2026	Steam	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
Unit 2	1975	2026	Steam	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
Unit 3	1976	2026	Steam	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
West Phoenix																				
CT 1	1972	2020	CT	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
CT 2	1973	2020	CT	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
CC 1	1976	2028	Combined Cycle	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
CC 2	1976	2028	Combined Cycle	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
CC 3	1976	2028	Combined Cycle	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
CC 4	2001	2028	Combined Cycle	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
CC 5	2003	2028	Combined Cycle	506 (M6)	490	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506
Opalillo																				
Unit 1 ST	1960	2020	Steam	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
Unit 2 ST	1960	2020	Steam	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
Unit 1 CT	1972	2020	CT	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Unit 2 CT	1972	2020	CT	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Unit 3 CT	1973	2020	CT	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Redhawk																				
CC 1	2002	2037	Combined Cycle	492 (M9)	474	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492
CC 2	2002	2037	Combined Cycle	492 (M9)	467	492	492	492	492	492	492	492	492	492	492	492	492	492	492	492
Saguaro																				
Unit 1 CT	1972	2020	CT	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Unit 2 CT	1972	2020	CT	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Unit 3 CT	2002	2037	CT	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
Sundance																				
Unit 1 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Unit 2 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Unit 3 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Unit 4 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Unit 5 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Unit 6 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Unit 7 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Unit 8 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Unit 9 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Unit 10 CT	2002	2037	CT	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
Douglas																				
Unit 1 CT	1972	2020	CT	16	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Yucca																				
Unit 1 CT	1971	2043	CT	1919 (M3)	18	1919	1919	1919	1919	1919	1919	1919	1919	1919	1919	1919	1919	1919	1919	1919
Unit 2 CT	1971	2043	CT	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Unit 3 CT	1971	2043	CT	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
Unit 4 CT	1974	2043	CT	5554 (M5)	82	5554	5554	5554	5554	5554	5554	5554	5554	5554	5554	5554	5554	5554	5554	5554
Unit 5 CT	2008	2043	CT	48	47	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
Unit 6 CT	2008	2043	CT	48	47	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
Solar																				
Color Center	2011	2041	Solar PV	17 (N6)	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Chino Valley	2011	2041	Solar PV	17 (N6)	14	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Hyder III	2012	2042	Solar PV	19 (N6)	16	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Foothills III	2012	2042	Solar PV	14 (N6)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Glendale Bend (N10)	2014	2044	Solar PV	35 (N6)	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35

NOTES:
 1) All data is based on historical information, unless otherwise indicated.
 2) Avg. fuel cost (item g) is based on all fuel expenses reported in EERC Form 1.
 3) First number indicates net maximum capacity on natural gas; second number indicates net maximum capacity on residual oil.
 4) Summer and winter net maximum capacities are based on gas firing when applicable (i.e., Saguaro and Yucca).
 5) Net maximum capacity based on Maximum Dependable Capacity.
 6) Unit cost adjusted to allocate the oil over each generating unit and its respective oil burn.
 7) Variable O&M \$/MWH represents total start-up dollars, not \$/MWH.
 8) MW values for solar generating units are shown as AC.
 9) Maximum Capacity for West Phoenix CCS and Redhawk CC1 and CC2 include duct burning power and augmentation.
 10) Glendale Bend does not have a year's worth of data to report at this time.

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.1.p

Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation

2014 Unit Emissions Rate

Plant	Unit	SO ₂	NO _x	CO ₂	PM ₁₀	CO	VOC	Hg	MWH
		(lb/MWH based on Ownership)	(lb/MWH based on Ownership)	(ton/MWH based on Ownership)	(lb/MWH based on Ownership)	(lb/MWH based on Ownership)	(lb/MWH based on Ownership)	(lb/GWH based on Ownership)	(lb/MWH based on Ownership)
Four Corners	4	1.33	4.92	1895	0.018	0.066	0.00027	0.0014	3,129,079
	5	1.60	5.28	2060	0.029	0.067	0.00030	0.0015	2,445,267
	Plant	1.45	5.08	1,967	0.02	0.07	0.0003	0.001	5,574,346
Navajo	1	0.631	1.99	2132	0.303	0.235	0.0283	0.0296	638,536
	2	0.627	2.13	2271	0.305	0.237	0.0285	0.0298	692,042
	3	0.719	2.11	2165	0.319	0.248	0.0299	0.0312	650,338
	Plant	0.66	2.08	2,191	0.31	0.24	0.0289	0.030	1,980,916
Cholla	1	1.534	2.490	2514	0.015	0.185	0.00067	0.033	787,284
	2	1.394	3.414	2367	0.115	0.294	0.00082	0.106	1,630,436
	3	0.832	2.653	2488	0.042	0.238	0.00105	0.036	1,578,410
	Plant	1.200	2.93	2,444	0.07	0.25	0.00088	0.064	3,996,129
Ocotillo	1	0.0079	1.920	1,570	0.098	0.311	0.071	0.0031	48010.00
	2	0.0079	1.862	1,557	0.098	0.308	0.071	0.0030	26235.00
	CT1	0.0127	6.907	1,441	0.142	1.758	0.045	0.0054	868.00
	CT2	0.0135	7.084	2,317	0.147	1.815	0.047	0.0055	812.00
	Plant	0.008	2.012	1,572	0.099	0.34	0.070	0.0031	75,925.00
West Phoenix	CC1	0.0078	4.70	1,483	0.086	0.026	0.027	0.0033	67,214
	CC2	0.0080	4.55	1,487	0.088	0.027	0.028	0.0033	60,752
	CC3	0.0060	0.50	1,286	0.035	0.762	0.104	0.0025	70,454
	CC4	0.0054	0.32	1,073	0.027	0.019	0.003	0.0025	76,853
	CC5	0.0075	0.23	1,483	0.035	0.117	0.016	0.0032	868,599
	CT1	0.0105	5.67	1,480	0.105	1.440	0.037	0.0044	764
	CT2	0.0102	5.90	2,149	0.128	1.511	0.038	0.0046	781
	Plant	0.007	0.75	1444.3	0.041	0.142	0.022	0.0031	1,145,416.04

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.1.p

Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation

2014 Unit Emissions Rate

	Plant	Unit	SO2	NOx	CO2	PM10	CO	VOC	Hg	MWH
Redhawk	CC1		0.0075	0.138	1,483	0.017	0.149	0.0111	0.0031	936,261
	CC2		0.0076	0.136	1,507	0.013	0.133	0.0011	0.0032	1,300,443
	Plant		0.0076	0.137	1,497	0.014	0.14	0.0053	0.0031	2,236,704.0
Yucca	CT1		0.0102	5.402	1,636	0.111	1.38	0.035	0.0042	921.00
	CT2		0.0094	5.132	1,553	0.106	1.31	0.034	0.0040	340.00
	CT3		0.0104	5.547	1,672	0.114	1.42	0.036	0.0043	6777.00
	CT4		0.2365	18.22	2,786	0.249	0.07	0.008	0.0248	378.00
	CT5		0.0069	0.14	1,367	0.092	0.07	0.024	0.0028	69035.00
	CT6		0.0068	0.20	1,343	0.034	0.06	0.024	0.0026	80621.00
	Plant		0.0076	0.49	1373	0.064	0.13	0.025	0.0028	158,072.00
Saguaro	CT1		0.015	8.558	3109.791	0.177	2.193	0.057	0.007	1481.00
	CT2		0.015	8.74	3,177	0.180	2.24	0.056	0.0068	679.00
	CT3		0.009	0.6	1,706	0.095	0.20	0.030	0.0037	8812.00
	Plant		0.010	2.18	1986	0.1110	0.59	0.035	0.0043	10,972.00
Douglas	CT1		0.69	12.7	3,073	0.28	0.069	0.0069	0.023	289.00
	Plant		0.69	12.7	3,073	0.28	0.069	0.0069	0.023	289.00
Sundance	All		0.0076	0.30	1,393	0.152	0.15	0.029	0.0027	52865.00
	Plant		0.0076	0.30	1,393	0.152	0.15	0.029	0.0027	52,865.00
Nuclear	All		0	0	0	0	0	0	0	9,146,445
Hydro	All		0	0	0	0	0	0	0	0
Biomass	All		0	0	0	0	0	0	0	0
Solar	All		0	0	0	0	0	0	0	102,358
TOTAL COAL*			1.226	3.8	2,170	0.087	0.26	0.0054	0.028	11,551,391
TOTAL GAS/OIL*			0.0075	0.39	1,477	0.029	0.15	0.0129	0.0031	3,680,243.0
TOTAL FOSSIL*			0.931	3.0	2,003	0.07	0.23	0.0072	0.022	15,231,634
TOTAL APS *lb/GWH			0.567	1.8	1,219	0.04	0.14	0.0044	0.013	25,019,285

*Does not include biomass

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.1.p

Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation.

2014 Unit Emissions Rate (Tons per year based on Ownership)

Plant	Unit	SO2	NOx	CO2	PM10	CO	VOC	Hg	MWH
Four Corners	4	2,079	7,697	2,964,215	28.9	103.8	0.4	0.002	3,129,079
	5	1,951	6,462	2,518,343	35.6	81.8	0.4	0.002	2,445,267
	Plant	4030	14,159	5,482,557	64.5	185.6	0.80	0.0040	5,574,346
Navajo	1	201	635	680,611	96.7	75.2	9.0	0.0094	638,536
	2	217	737	785,680	105.5	82.0	9.9	0.0103	692,042
	3	234	687	704,044	103.9	80.8	9.7	0.0101	650,338
	Plant	652	2059	2,170,336	306.1	238.0	28.6	0.02990	1,980,916
Cholla	1	604	980	989,512	5.8	72.7	0.3	0.01	787,284
	2	1,136	2,783	1,929,360	94.0	240.0	0.7	0.09	1,630,436
	3	657	2,094	1,963,436	33.5	188.2	0.8	0.03	1,578,410
	Plant	2397	5,857	4,882,309	133.3	500.9	1.8	0.1277	3,996,129
Ocotillo	1	0.19	46.10	37691.54	2.36	7.46	1.71	0.00007405	48010.00
	2	0.10	24.42	20428.61	1.28	4.04	0.93	0.00003912	26235.00
	CT1	0.01	3.00	625.60	0.06	0.76	0.02	0.00000233	868.00
	CT2	0.01	2.88	940.60	0.06	0.74	0.02	0.00000225	812.00
	Plant	0.30	76.39	59,686.35	3.76	13.01	2.68	0.00011774	75,925.00
West Phoenix	CC1	0.263	158.1	49,841	2.890	0.9	0.919	0.00010946	67,214
	CC2	0.244	138.1	45,173	2.680	0.8	0.853	0.00010152	60,752
	CC3	0.212	17.8	45,319	1.220	26.8	3.679	0.00008811	70,454
	CC4	0.208	12.4	41,241	1.027	0.7	0.097	0.00009594	76,853
	CC5	3.252	98.5	644,156	15.30	51.0	6.758	0.00137079	868,599
	CT1	0.004	2.2	565	0.040	0.6	0.014	0.00000169	764
	CT2	0.0040	2.3	839	0.050	0.590	0.015	0.00000180	781
	Plant	4.19	429.2	827,134	23.2	81.4	12.3	0.00176933	1,145,416.04
Redhawk	CC1	3.504	64.6	694,060.6	7.80	69.93	5.20	0.001455657	936,261
	CC2	4.946	88.6	979,820.0	8.26	86.79	0.70	0.002056082	1,300,443
	Plant	8.5	153.2	1,673,880.7	16.1	156.7	5.9	0.003511739	2,236,704.0

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.1.p

Environmental impacts, including air emission quantities (in metric tons or pounds) and rates (in quantities per megawatt-hour) for carbon dioxide, nitrogen oxides, sulfur dioxide, mercury, particulates, and other air emissions subject to current or expected future environmental regulation.

2014 Unit Emissions Rate (Tons per year based on Ownership)

Plant	Unit	SO2	NOx	CO2	PM10	CO	VOC	Hg	MWH
Yucca	CT1	0.00	2.49	753.60	0.05	0.64	0.02	0.0000019436	921.00
	CT2	0.00	0.87	264.00	0.02	0.22	0.01	0.0000006815	340.00
	CT3	0.04	18.80	5666.00	0.39	4.82	0.12	0.0000146856	6777.00
	CT4	0.04	3.44	526.60	0.05	0.01	0.00	0.0000046956	378.00
	CT5	0.24	4.67	47197.08	3.18	2.57	0.834	0.0000980485	69035.00
	CT6	0.27	8.19	54137.08	1.37	2.39	0.96	0.0001047203	80621.00
	Plant	0.60	38.61	108,584.35	5.06	10.65	1.94	0.0002247751	158,072.00
Saguaro	CT1	0.01	6.34	2302.80	0.13	1.62	0.04	0.0000049504	1481.00
	CT2	0.01	2.97	1078.70	0.06	0.76	0.02	0.0000023181	679.00
	CT3	0.038	2.638	7516.43	0.42	0.86	0.13	0.0000161595	8812.00
	Plant	0.05	11.94	10,897.93	0.61	3.25	0.19	0.0000234280	10,972.00
Douglas	CT1	0.10	1.83	444.03	0.04	0.01	0.00	0.0000033	289.00
	Plant	0.10	1.83	444.03	0.04	0.01	0.00	0.0000033	289.00
Sundance	All	0.20	8.00	36816.00	4.03	4.05	0.77	0.00007154994	52865.00
	Plant	0.20	8.00	36,816.00	4.03	4.05	0.77	0.0000715499	52,865.00
Nuclear	All	0	0	0	0	0	0	0	9,146,445
Hydro	All	0	0	0	0	0	0	0	0
Biomass	All	0	0	0	0	0	0	0	0
Solar	All	0	0	0	0	0	0	0	102,358
TOTAL COAL**		7,079	22,075	12,535,202	504	1,514	31	0.16	11,551,391
TOTAL GAS/OIL**		13.9	719.2	2,717,443.7	52.8	269.1	23.8	0.01	3,680,243.0
TOTAL FOSSIL**		7,093	22,794	15,252,646	557	1,783	55	0.17	15,231,634
TOTAL		7,093	22,794	15,252,646	557	1,783	55	0.17	25,019,285

*Units are measured in lb/GWh

**Does not include biomass

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.1.q

Water consumption quantities and rates

2014 Generation Water Use		
	Acre Feet Consumed	Gallons/MWH
Cholla	14,291.0	702.0
Four Corners	15,967.0	596.0
Navajo	26,305.0	496.0
Ocotillo	326.0	1,399.0
Palo Verde Groundwater	2,116.0	n/a
Palo Verde Effluent	73,071.0	n/a
Palo Verde Total	75,187.0	758.0
Redhawk Groundwater	239.0	n/a
Redhawk Effluent	3,333.0	n/a
Redhawk Total	3,572.0	316.0
Saguaro	29.0	861.0
Sundance	73.0	450.0
West Phoenix	2,145.0	426.0
Yucca	527.0	494.0
Total APS Generation	138,422.0	637.0

* Ocotillo is a peaking facility which produces energy typically only when energy demands are high. However, the plant requires use of water on a continual basis to maintain systems on-site. The requires use of water on a continual basis to maintain systems on-site. The Gallons/MWh rates for Ocotillo is misleading due to the relatively small quantities of energy generated.

¹ All numbers represent total plant use and not APS share of ownership.

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.1.r

Tons of coal ash produced per generating unit - 2014

		<u>Tons Fly Ash</u>	<u>Tons Bottom Ash</u>
Cholla	Unit 1	53,209	13,304
	Unit 2	116,778	29,218
	Unit 3	109,064	27,274
	Unit 4 ¹	0	0
	Total Cholla	279,050	69,796
Navajo	Total ²	94,638	24,275
Four Corners	Units 1,2,3	0	0
	Units 4,5 ³	559,784	139,946
	Total Four Corners	559,784	139,946
Total Company		933,472	234,017

¹ Numbers are based on APS not owning Cholla Unit 4

² Numbers are based on APS's 14% share of ownership in the Navajo Generating Station

³ Numbers are based on APS's 63% share of ownership in the Four Corners Coal Plant units 4 and 5.

ARIZONA PUBLIC SERVICE COMPANY
2015 INTEGRATED RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014

R14-2-703 Section: B.1.b,c,d,f,h,i,k,&m

2014 Purchased Power Information¹ - REDACTED

(B.1.a)	(B.1.b)	(B.1.c/B.1.d)	(B.1.f)	(B.1.i)	(B.1.k)	(B.1.h)
Company	Type of generating unit or contract	Minimum Capacity (MW)	Maximum Contract Capacity (MW)	Average Energy Cost 2014 (\$/MWH)	Annual Demand Charge (\$)	Var O&M (\$/MWH)
in-service date and book life or contract period		(MW)	(MW)	(\$/MWH)	(\$)	(\$/MWH)
Salt River Project (Eastern Area)	WSPF Agreement	0	60			
City of Azusa Exchange	WSPF Agreement	29	29			
Macquarie Energy LLC	WSPF Agreement	0	35			
PAC Exchange	Grandfathered Agreement	n/a	480			
CE Turbo LLC ²	Geothermal	0	12			
Aragonne Wind LLC ²	Wind	0	90			
Novo BioPower, LLC ³	Biomass	0	14.0			
High Lonesome Wind Ranch, LLC ²	Wind	0	100			
Glendale Energy, LLC ²	Landfill Gas	0	2.86			
RE Ajo 1, LLC ²	Solar	0	4.5			
RE Bagdad Solar 1, LLC ²	Solar	0	15			
Perrin Ranch Wind, LLC ²	Wind	0	99.2			
SunE AZ1, LLC (Prescott) ²	Solar	0	10			
SunE AZ2, LLC (Saddle Mountain) ²	Solar	0	15			
PSEG Solar Source, LLC (Badger) ²	Solar	0	15			
RE Gillespie 1, LLC ²	Solar	0	15			
Arizona Solar One, LLC (Solana) ²	Solar	0	280			
Waste Management Renewable Energy, LLC ²	Landfill Gas	0	3.2			
Gila River Power LP ⁴	Tolling Agreement	360	515			

Notes:

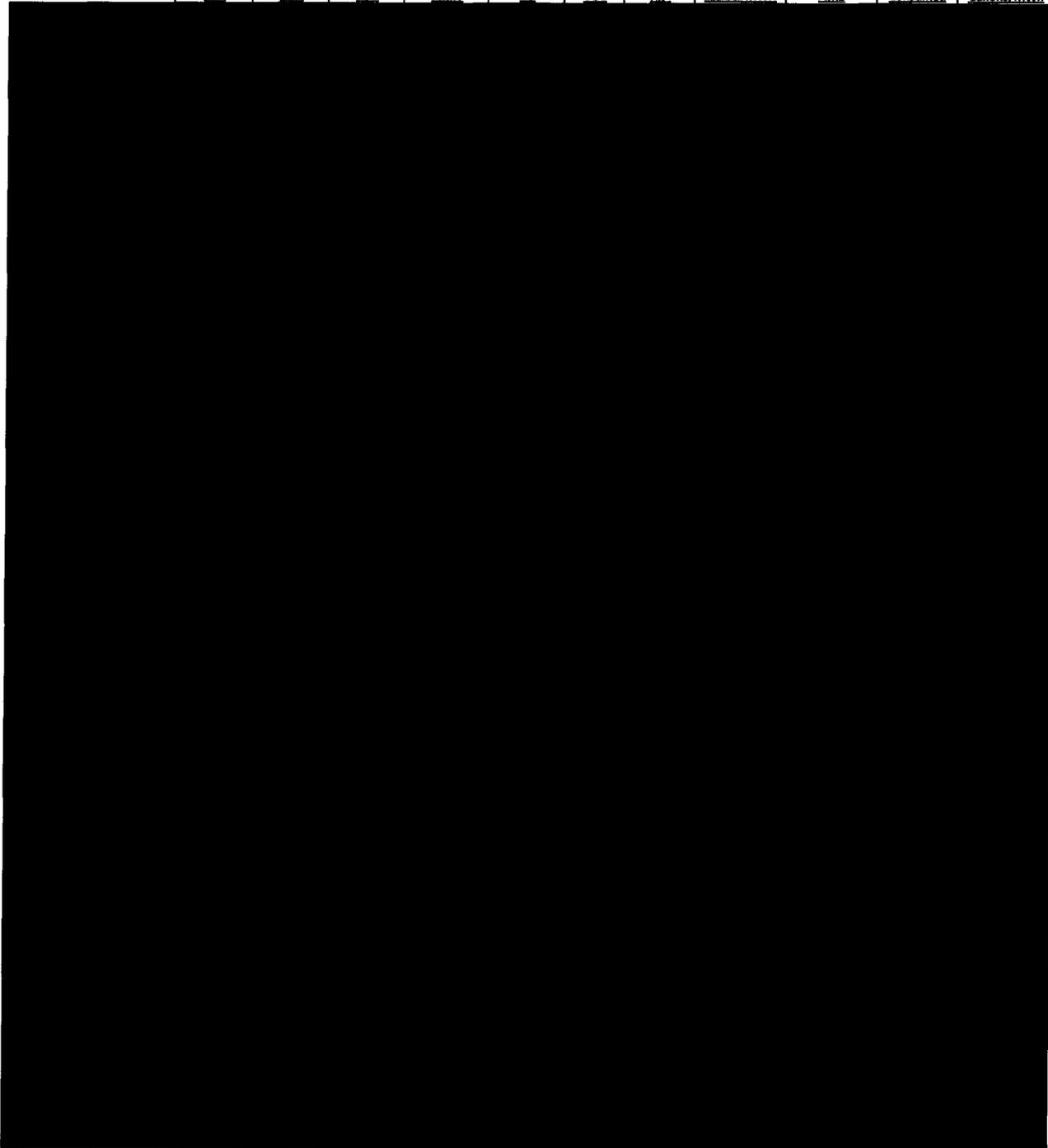
- 1 Reflects contracts greater than or equal to 1 year in duration.
- 2 Renewable energy contracts.
- 3 Novo BioPower, LLC assumed the Snowflake White Mountain biomass contract from Snowflake Power, LLC in August 2013.

ARIZONA PUBLIC SERVICE COMPANY
 2015 RESOURCE PLANNING ANNUAL FILING
 FOR HISTORICAL YEAR 2014

R-14-2-703-Section: B.1.p,q,r

2014 Emissions/Water Use (Purchase Power Agreements)¹ - REDACTED

lb/MWH								Generation Water Use		
(B.1.p)								(B.1.r)	(B.1.q)	
SO ₂	NO _x	CO ₂	PM10	CO	VOC	Hg*	Annual MWH	Tons of Coal Ash ²	Acre Feet Consumed	Gallons/MWh

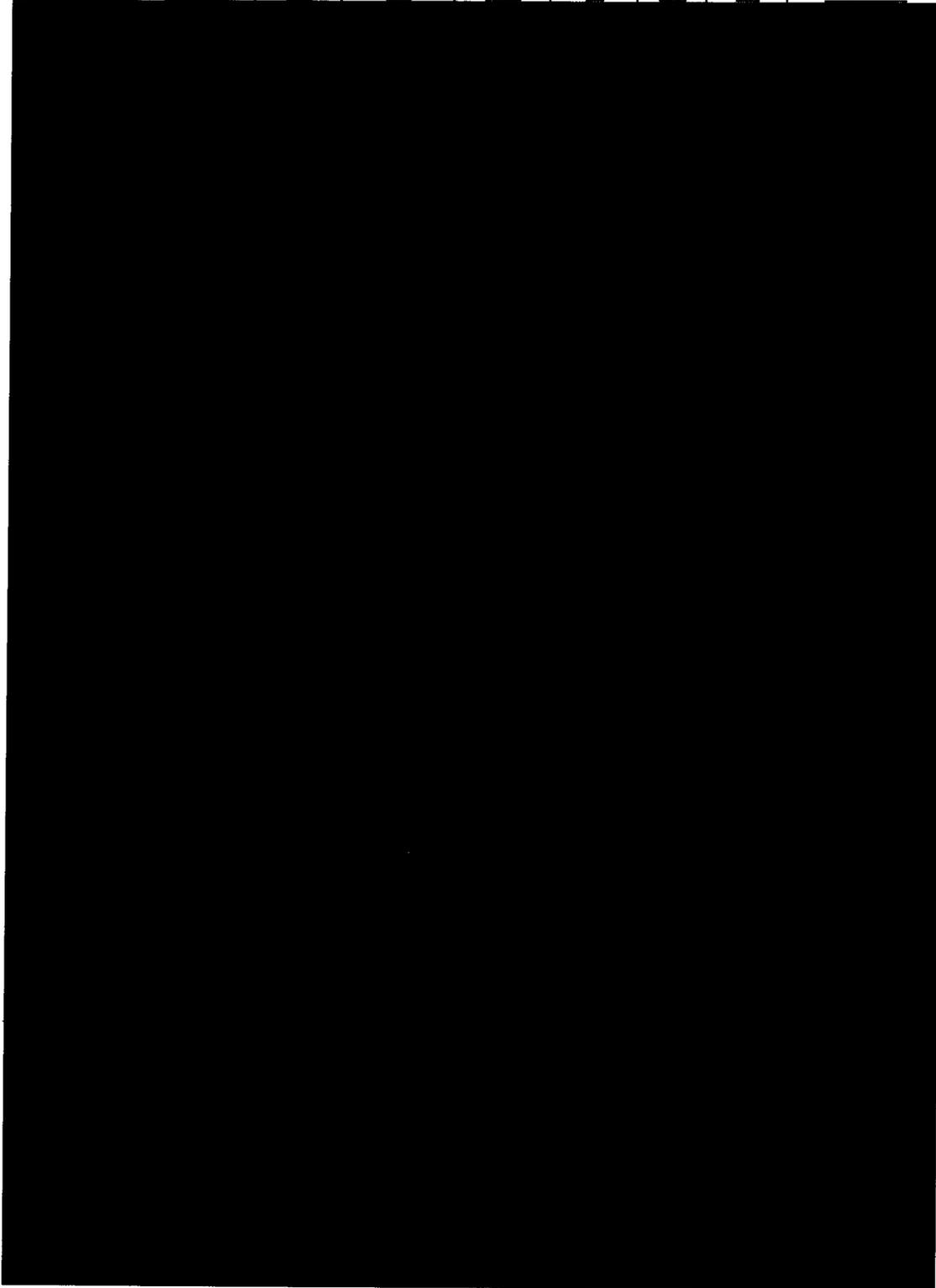


ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014

R14-2-703 Section B.1.p

2014 Emissions (Purchase Power Agreements)¹ - REDACTED
Total Tons

lb/MWH							Annual MWH
SO ₂	NO _x	CO ₂	PM ₁₀	CO	VOC	Hg ^m	



**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section B.2.a

A Description of Generating Unit Commitment Procedures

APS optimizes the use of its resources to serve native load in the most economical manner possible, while maintaining grid reliability. The process begins by forecasting the load on a day ahead basis. The load forecast is entered into a unit commitment and dispatch model (PCI GenTrader™/GenPortal™) that determines the most economic unit commitment plan for serving load, taking into account generating unit capabilities, intermittent resource production forecasts (wind, solar), fuel prices and transmission constraints. This commitment plan shows the units to be committed each hour, their projected loading level and the quantity of natural gas to be scheduled.

As part of the process, the model calculates prices for blocks of energy to help determine if it would be cheaper to buy power from the market rather than running generating units. The Day Ahead Trader compares these calculated block energy prices with actual power prices being offered in the market, then purchases either on-peak or off-peak blocks of energy, if economical. The model also calculates the breakeven price for making sales out of our generating units, after taking into account native load and any other pre-existing power sales commitments. If economical, the Day Ahead Trader will make block power sales in the market.

The day ahead commitment plan is turned over to Real Time Operations to implement. The Real Time Traders update the load and available resource forecasts and re-run the unit commitment and dispatch model to fine tune the commitment plan. They also check the hourly market to make purchases and sales of power to further optimize the system. Any Demand Response products that can be utilized within the day are also considered.

The Real Time Traders commit (start) and de-commit (shutdown) generating units as needed to meet load and sales commitments. They also update the plan as needed for generating unit or transmission outages, optimizing utilization of available resources. Additional items which must be considered during the unit commitment process include: jointly owned units which may be requested on-line by their owners, fuel supply issues, the need to operate units for voltage or other problems due to temporary line outages, unit minimum on-line and off-line time requirements, and environmental constraints.

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

Tab VI

R14-2-703 Section: B.2.b

2014 Production Cost

Total Power Production expenses for the Calendar Year 2014 including O&M, Fuel and Purchased Power were \$1,507,645,145 of which \$(49,953,293) was related to Deferred Fuel.

Fuel and Purchased Power expenses including interchange for the Calendar Year 2014 were \$1,073,846,618 of which \$(49,953,293) was related to Deferred Fuel.

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.2.c

2014 Reserve Requirement

The actual Reserve Margin for 2014 was 1536.7 MW or 23.7% at the time of system peak. Total resources and Class A Interruptible exceeded our load and firm off system sales by this amount.

**ARIZONA PUBLIC SERVICE COMPANY
2015 INTEGRATED RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.2.d

2014 Spinning Reserve

The Company maintains spinning reserve in compliance with quotas assigned by the Southwest Reserve Sharing Group for the Calendar Year 2014, these quotas were:

<u>2014</u>	<u>Spinning Reserve Capacity (MW)</u>
January	223
February	220
March	237
April	231
May	231
June	265
July	283
August	279
September	273
October	236
November	217
December	233

**ARIZONA PUBLIC SERVICE COMPANY
2015 INTEGRATED RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.2.e

2014

Reliability of Generating, Transmission and Distribution Systems

APS follows the Institute of Electrical and Electronics Engineers (IEEE) 1366 – 2003, "Guide for Electric Power Distribution Reliability Indices" for measuring reliability. Three of the most common indicators used for measuring reliability are SAIFI (System Average Interruption Frequency Index), SAIDI (System Average Interruption Duration Index) and CAIDI (Customer Average Interruption Duration Index). These indicators are calculated with "Major Event Days" excluded, in accordance with Sections 3.13, 4.5 and Annex B.

The data provided below will be the portion of SAIFI, SAIDI, and CAIDI due to Transmission and Distribution causes, respectively. Regarding Generation Reliability, no loss of load occurred in 2014 due to a generation outage.

Transmission Reliability

SAIFI	0.05
SAIDI (minutes)	6
CAIDI (minutes)	104

Distribution Reliability

SAIFI	0.73
SAIDI (minutes)	73
CAIDI (minutes)	100

**ARIZONA PUBLIC SERVICE COMPANY
2014 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

Tab VI

R14-2-703 Section: B.2.f

2014 Power Purchase and Sales Prices

Month	Average Purchase Price	Average Sale Price
Jan-14	\$16.28	\$35.47
Feb-14	\$18.62	\$47.29
Mar-14	\$16.56	\$38.27
Apr-14	\$22.46	\$37.14
May-14	\$25.63	\$36.72
Jun-14	\$30.19	\$39.39
Jul-14	\$30.75	\$42.09
Aug-14	\$28.98	\$40.25
Sep-14	\$23.80	\$38.61
Oct-14	\$15.91	\$37.33
Nov-14	\$28.79	\$36.02
Dec-14	\$35.76	\$30.55

Note 1: Average purchase price represents all short-term power purchases (less than 3 years) divided by the associated megawatt hours.

Note 2: Average sale price represents total short-term power sales (less than 3 years) divided by the associated megawatt hours.

**ARIZONA PUBLIC SERVICE COMPANY
2015 INTEGRATED RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.2.g

2014 Energy Losses

Own load energy losses for the Calendar Year 2014 were 5.84%.

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section B.3

**Total Interconnected Distributed
Generation MW**

A. Total reported for end of 2014: 405 AC

**ARIZONA PUBLIC SERVICE COMPANY
2015 RESOURCE PLANNING ANNUAL FILING
FOR HISTORICAL YEAR 2014**

R14-2-703 Section: B.4

An explanation of any resource procurement processes used by the load-serving entity during the previous calendar year that did not include the use of an RFP, including the exception under which the process was used.

In 2014, APS conducted all resource procurement activities in accordance with the process described in the resource planning rules.