



ORIGINAL



0000152748

Direct: (602) 500-0291
Email: mmg@gknet.com

April 1, 2014

Arizona Corporation Commission
DOCKETED

APR - 1 2014

HAND DELIVERED

Docket Control
Arizona Corporation Commission
1200 W. Washington St.
Phoenix, AZ 85007

DOCKETED BY *nr*

Re: *Public Versions of (1) AEPCO's Demand- and Supply-Side Data Filing Pursuant to R14-2-703.A and B and (2) AEPCO's Resource Planning Filing Pursuant to R14-2-703.C-F and H (the "Data and Resource Planning Filings"); Docket No. E-00000V-13-0070*

Dear Sir or Madam:

Enclosed are the original and 13 copies of the public versions of AEPCO's Data and Resource Planning Filings.

Very truly yours,

GALLAGHER & KENNEDY, P.A.

By: Michael M. Grant

MMG/plp
10421-73/4130008
Enclosures

cc (w/enclosures) (delivered): Commissioners
Charles Hains, Legal Division
Rick Lloyd, Utilities Division
Steve Olea, Utilities Division
Terri Ford, Utilities Division

RECEIVED
2014 APR - 1 P 1:23
AZ CORP COMMISSION
DOCKET CONTROL

Original and 13 copies filed with Docket Control this 1st day of April, 2014.

Arizona Electric Power Cooperative, Inc.

**Demand- and Supply-Side Data Filing
R14-2-703.A and B**

Docket No. E-00000V-13-0070

April 1, 2014

Public Version

**THIS DOCUMENT CONTAINS CONFIDENTIAL
INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEPCO AND
STAFF DATED FEBRUARY 13, 2014**

INDEX

Requirement	Page No.
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:	
1. Hourly demand for the previous calendar year, disaggregated by:	
a. Sales to end users.....	1
b. Sales for resale.....	2
c. Energy losses.....	13
d. Other disposition of energy, such as energy furnished without charge and energy used by the load-serving entity.....	27
2. Coincident peak demand (megawatts) and energy consumption (megawatt-hours) by month for the previous 10 years, disaggregated by customer class.....	
	28
3. Number of customers by customer class for each of the previous 10 years...	
	37
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.....	
	38
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:	
1. For each generating unit and purchased power contract for the previous calendar year:	
a. In-service date and book life or contract period.....	39
b. Type of generating unit or contract.....	40
c. The load-serving entity's share of the generating unit's capacity, or of capacity under the contract, in megawatts.....	41
d. Maximum generating unit or contract capacity, by hour, day, or month, if such capacity varies during the year.....	42
e. Annual capacity factor (generating units only).....	43
f. Average heat rate of generating units and, if available, heat rates at selected output levels.....	44

INDEX

Requirement	Page No.
g. Average fuel cost for generating units, in dollars per million Btu for each type of fuel.....	49
h. Other variable operating and maintenance costs for generating units, in dollars per megawatt hour.....	50
i. Purchased power energy costs for long-term contracts, in dollars per megawatt-hour.....	51
j. Fixed operating and maintenance costs of generating units, in dollars per megawatt.....	52
k. Demand charges for purchased power.....	53
l. Fuel type for each generating unit.....	54
m. Minimum capacity at which the generating unit would be run or power must be purchased.....	55
n. Whether, under standard operating procedures, the generating unit must be run if it is available to run.....	56
o. Description of each generating unit as base load, intermediate, or peaking.....	57
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.....	59
q. Water consumption quantities and rates.....	60
r. Tons of coal ash produced per generating unit.....	61
2. For the power supply system for the previous calendar year:	
a. A description of generating unit commitment procedures.....	62
b. Production cost.....	63
c. Reserve requirements.....	64
d. Spinning reserve.....	65
e. Reliability of generating, transmission, and distribution systems.....	66
f. Purchase and sale prices, averaged by month, for the aggregate of all purchase and sales related to short-term contracts.....	68
g. Energy losses.....	69
3. The level of self generation in the load-serving entity's service area for the previous calendar year.....	70
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.....	71

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. Hourly demand for the previous calendar year, disaggregated by:
 - a. Sales to end users;

Arizona Electric Power Cooperative, Inc. ("AEPCO") sells at wholesale and to other utilities, including its member distribution cooperatives. It does not sell directly to end users. Therefore, it has no end users' sales data to report.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. Hourly demand for the previous calendar year, disaggregated by:
 - b. Sales for resale;

The data reported in the following tables reflects the hourly wholesale sales for resale from AEPCO resources in 2013.

For AEPCO's All Requirements Members (ARMs), the data reflects the hourly metered loads of each ARM plus any third party sales made by AEPCO on behalf of the ARMs.

For AEPCO's Partial Requirements Members (PRMs) Mohave Electric Cooperative, Inc. (Mohave) and Sulphur Springs Valley Electric Cooperative, Inc. (Sulphur), the data reported is different in the periods prior to AEPCO becoming their scheduling agent. AEPCO was the scheduling agent for Mohave for the months of February through December, 2013 and for Sulphur for the months of June through December 2013.

For the periods prior to AEPCO becoming their scheduling agent, the Mohave and Sulphur reported data reflects the energy take from their Allocated Capacity (AC) in AEPCO resources as scheduled by their respective third party agents. For the periods after AEPCO became their scheduling agent, the Mohave and Sulphur data reflects their metered loads plus any third party sales made by AEPCO from the AC of these PRMs, less any purchases for load above the AC made by AEPCO as agent for the PRM.

Trico Electric Cooperative, Inc. (Trico) has a third party scheduling agent and therefore the data reported by AEPCO is Trico's scheduled take from its AC which includes any third party sales at wholesale made by Trico's scheduling agent from Trico's AC in AEPCO resources.

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	222	215	212	212	218	221	230	237	261	252	231	230	218	214	209	215	222	249	267	296	297	230	223	215	
1	2	206	207	206	211	223	305	283	291	276	265	239	231	225	215	213	225	257	280	288	308	288	249	248	
1	3	229	204	204	206	213	245	288	301	313	286	269	257	248	237	212	209	220	305	307	289	283	273	238	
1	4	216	212	212	215	222	263	287	294	292	274	267	251	238	234	208	210	218	287	287	283	245	235	224	
1	5	216	207	207	209	227	231	246	310	301	286	280	262	253	223	215	213	218	280	278	276	273	253	233	
1	6	213	211	210	206	211	224	242	250	249	244	242	236	222	212	216	223	249	297	303	288	252	224	215	
1	7	208	206	206	208	216	233	282	312	308	277	243	234	217	212	205	222	268	294	306	295	277	251	241	
1	8	205	203	205	207	217	236	290	288	297	271	259	250	219	214	207	209	225	315	324	305	273	254	221	
1	9	192	189	189	192	205	224	286	291	282	226	219	209	198	196	200	215	214	268	266	260	243	222	217	
1	10	203	193	192	195	204	217	279	288	290	235	233	227	221	218	220	227	244	295	301	286	272	254	223	
1	11	201	209	211	231	216	247	287	292	297	291	277	244	234	224	219	218	223	300	289	283	270	264	281	
1	12	265	264	265	270	276	315	337	336	333	304	270	255	246	238	233	231	239	310	311	304	291	274	272	
1	13	290	266	256	292	305	318	327	350	342	327	318	309	304	290	245	240	247	351	347	336	322	326	324	
1	14	291	283	284	295	299	314	351	352	343	328	326	336	303	295	266	256	268	347	350	346	329	320	317	
1	15	290	285	277	280	296	318	355	356	350	340	318	313	250	245	243	250	257	338	337	332	331	305	295	
1	16	272	268	266	272	283	295	354	331	328	300	265	248	234	221	211	213	227	298	303	304	289	264	259	
1	17	205	203	205	207	214	292	326	327	300	285	274	249	237	226	220	221	218	238	277	282	238	224	202	
1	18	197	196	200	198	201	216	277	272	260	272	230	224	217	205	209	210	207	262	263	254	226	221	203	
1	19	201	201	200	205	212	233	254	274	274	270	260	235	222	214	204	204	209	248	254	250	223	202	198	
1	20	195	195	198	197	208	222	241	257	261	251	221	214	217	209	201	202	204	225	255	252	241	218	195	
1	21	195	192	191	193	199	218	233	259	257	239	229	214	210	211	207	203	207	231	256	255	242	223	213	
1	22	201	191	192	196	198	217	251	266	264	236	210	204	197	195	195	195	202	219	249	239	224	209	193	
1	23	193	189	190	194	202	227	261	248	240	219	212	214	212	210	209	210	216	220	245	247	240	235	204	196
1	24	189	188	186	191	200	216	238	241	227	214	203	200	205	214	208	208	210	222	233	232	225	200	191	
1	25	188	183	180	177	187	197	235	243	224	222	221	214	210	206	205	200	204	217	252	248	219	212	196	187
1	26	182	178	176	177	182	193	209	214	206	198	193	215	218	214	205	206	211	235	237	227	217	199	187	
1	27	182	180	172	171	178	187	197	214	216	221	223	207	204	198	199	198	207	228	234	227	220	207	192	
1	28	198	173	172	177	187	199	223	243	227	227	217	215	217	206	202	213	231	252	250	242	238	225	207	
1	29	205	197	195	203	212	224	243	258	258	238	236	231	232	226	218	218	225	255	255	251	220	212	206	
1	30	204	209	199	202	222	238	258	257	274	263	246	211	207	201	201	197	212	240	242	234	213	203	207	
1	31	196	196	195	199	205	233	249	252	248	232	226	217	210	204	204	206	210	272	266	260	250	226	214	
2	1	199	197	197	200	209	229	270	276	266	251	245	218	213	198	194	195	201	210	265	263	241	233	210	204
2	2	198	197	196	198	205	218	237	253	256	249	236	223	211	206	201	201	205	219	238	269	228	216	202	191
2	3	186	183	181	180	187	202	208	211	207	206	205	203	206	204	201	201	203	213	229	261	221	215	205	192
2	4	186	184	184	185	195	211	235	254	251	225	218	207	201	198	196	194	201	245	249	241	229	207	188	
2	5	189	184	185	187	194	216	250	307	265	239	214	208	204	195	194	197	202	330	321	309	225	203	190	
2	6	185	183	182	183	193	217	246	254	236	223	210	204	200	198	198	198	205	216	307	314	306	231	208	188
2	7	188	185	185	187	194	207	227	267	300	282	255	247	232	195	196	197	200	322	324	317	233	211	194	

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
2	85	183	183	184	192	221	251	258	318	266	252	246	250	238	236	239	210	302	330	333	284	271	221	204	
2	9	205	198	197	199	203	214	241	239	243	276	292	256	253	250	246	241	260	272	292	303	275	266	249	220
2	10	207	205	205	208	215	231	249	282	341	309	289	258	252	246	243	241	246	270	342	337	306	313	283	225
2	11	207	206	207	209	215	231	300	358	349	330	262	256	253	248	242	242	248	269	336	346	317	309	296	260
2	12	210	209	210	212	224	268	355	362	324	277	238	233	222	214	206	204	210	225	275	282	280	274	251	214
2	13	201	199	200	203	213	231	289	302	293	265	253	223	217	209	197	199	209	219	274	275	262	259	221	203
2	14	196	193	193	197	205	250	283	298	297	272	222	203	199	198	194	194	208	225	263	271	261	258	234	215
2	15	197	193	194	198	214	238	259	275	254	233	211	210	205	205	201	201	203	217	247	258	255	246	224	209
2	16	196	194	194	196	206	224	237	238	236	214	208	205	202	198	195	194	200	203	233	244	244	234	218	200
2	17	191	187	187	190	200	208	236	230	233	216	203	199	196	195	194	195	201	208	285	329	296	260	214	191
2	18	189	188	188	192	201	210	249	246	244	223	218	208	204	207	198	203	207	216	303	313	258	245	246	193
2	19	189	188	188	191	196	227	254	248	243	224	218	214	210	210	205	205	209	216	250	264	263	249	221	201
2	20	193	187	187	188	191	242	262	250	278	254	252	247	222	235	235	231	235	282	355	356	309	299	276	251
2	21	210	199	201	212	223	262	316	331	338	312	278	239	228	221	211	212	220	236	342	343	302	260	243	206
2	22	207	202	202	204	205	233	324	319	305	256	286	229	208	206	202	158	164	209	217	184	189	184	177	178
2	23	156	155	154	156	158	169	200	205	201	192	186	182	158	155	142	137	141	154	173	166	167	162	146	153
2	24	148	146	147	149	147	157	172	178	177	169	161	168	162	164	163	162	163	191	200	204	198	190	184	173
2	25	146	144	153	155	159	172	207	211	204	193	188	183	156	150	145	143	149	174	191	198	193	188	180	175
2	26	152	151	154	156	161	191	210	213	204	192	186	180	155	150	144	144	160	171	192	199	194	188	179	161
2	27	145	147	146	151	158	189	205	208	199	189	166	162	153	150	146	144	149	176	188	199	195	189	178	165
2	28	143	142	149	153	157	189	205	207	198	187	159	154	145	142	140	140	147	151	178	183	188	182	166	139
3	1	135	137	137	138	145	162	198	200	194	181	152	149	147	145	145	145	149	153	168	173	171	154	148	141
3	2	135	131	129	131	131	141	158	167	166	152	148	146	145	144	144	145	149	152	176	179	185	174	149	151
3	3	167	165	164	164	165	173	183	188	210	211	204	210	210	209	214	214	221	236	266	276	246	238	214	197
3	4	186	182	181	184	190	200	231	233	225	222	211	212	213	214	218	213	217	227	292	295	268	241	207	201
3	5	185	183	183	184	193	285	313	343	335	248	224	223	177	196	199	217	221	304	336	338	312	241	224	200
3	6	193	191	189	189	198	216	286	246	228	218	210	211	209	203	203	205	208	288	307	315	257	231	207	193
3	7	193	189	187	183	191	205	291	279	257	220	206	211	163	177	205	205	206	285	297	314	294	242	220	203
3	8	191	188	186	188	196	215	241	247	257	258	218	238	219	235	213	213	223	241	328	326	332	302	297	248
3	9	212	218	212	209	223	239	297	306	227	231	222	225	227	218	214	215	220	229	250	262	260	251	234	219
3	10	203	199	198	201	207	224	231	233	240	253	238	206	204	201	199	199	207	221	233	283	252	237	242	219
3	11	187	186	186	187	195	222	319	331	261	244	224	206	217	216	213	216	224	321	334	341	256	242	210	194
3	12	186	184	184	185	192	207	253	255	247	232	218	219	219	210	207	209	207	222	336	345	337	246	248	231
3	13	184	182	181	181	192	207	262	241	219	207	207	217	219	218	220	226	241	248	340	349	335	237	209	196
3	14	186	182	181	181	183	192	233	237	238	239	235	237	254	259	259	272	289	294	341	343	338	269	217	198
3	15	189	184	182	182	184	196	222	219	219	221	224	230	213	227	248	253	258	249	252	280	259	238	217	197
3	16	190	186	184	183	183	191	201	207	211	220	224	237	242	241	247	255	258	267	269	278	260	240	210	198
3	17	194	188	186	185	189	197	283	285	212	216	219	224	229	234	278	286	290	291	318	324	333	330	309	290

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3	18	195	186	187	184	189	276	242	248	244	232	245	247	249	258	254	256	263	269	274	281	276	258	231	222
3	19	192	186	185	185	189	201	261	263	224	233	229	239	242	244	248	251	253	253	255	257	271	261	224	208
3	20	191	186	182	181	185	203	267	271	281	285	260	262	263	263	266	270	271	272	278	282	277	266	223	209
3	21	187	181	180	179	180	208	254	260	260	261	263	252	249	252	255	258	261	272	262	284	279	274	228	202
3	22	187	174	174	174	177	187	270	252	253	232	231	241	250	244	246	249	251	250	252	276	273	263	218	191
3	23	183	174	174	179	180	201	228	238	246	249	255	238	235	236	230	255	255	257	263	290	284	254	216	199
3	24	184	176	175	180	178	185	223	233	249	250	248	252	244	250	253	256	254	278	264	273	270	264	221	204
3	25	186	173	175	180	184	249	269	277	261	261	255	255	260	262	264	267	269	269	274	279	276	266	218	199
3	26	191	187	180	181	189	208	255	260	243	242	241	243	245	247	251	273	275	276	279	283	279	269	228	210
3	27	188	183	182	182	187	203	257	258	257	258	261	263	265	250	254	258	258	278	281	284	280	272	230	211
3	28	194	132	130	129	189	213	255	259	262	263	264	266	269	273	277	280	280	280	283	285	282	274	233	217
3	29	185	189	186	185	188	198	236	239	256	263	252	269	273	278	282	268	282	282	289	289	285	257	220	209
3	30	200	191	189	188	187	199	229	232	246	256	265	271	276	280	279	280	282	282	291	290	285	257	220	204
3	31	193	186	184	183	185	195	231	234	237	242	245	249	255	260	263	264	282	282	284	286	283	254	217	201
4	1	198	186	184	184	193	238	260	253	244	257	268	271	275	280	283	266	269	283	284	288	284	274	228	214
4	2	198	187	185	186	188	194	257	259	266	257	261	262	265	252	262	260	262	282	295	295	296	281	234	211
4	3	196	188	186	186	181	190	259	267	234	233	258	262	249	280	285	290	296	295	296	296	279	269	233	211
4	4	203	189	184	184	188	196	260	258	256	258	271	262	270	277	277	278	276	295	297	296	296	293	239	223
4	5	192	184	182	182	183	190	232	238	269	275	282	287	280	282	284	296	296	296	296	296	296	273	224	207
4	6	201	194	188	184	185	188	233	238	233	252	259	269	273	267	268	281	280	297	279	295	294	288	220	204
4	7	191	184	182	181	180	185	218	226	253	259	265	251	258	266	271	275	279	283	294	294	290	280	218	202
4	8	189	185	181	180	182	188	251	253	256	263	274	275	279	264	268	270	274	265	265	275	283	272	224	204
4	9	190	187	182	179	191	199	270	265	274	274	276	274	275	277	276	277	280	286	289	295	294	286	211	197
4	10	184	181	180	180	183	190	270	272	274	272	273	275	258	259	260	264	269	278	284	279	296	288	203	187
4	11	183	180	179	180	182	190	284	284	287	284	292	275	256	257	258	263	283	273	278	277	296	296	233	211
4	12	193	175	173	177	192	187	258	271	274	279	263	264	264	267	268	268	273	274	296	296	296	295	232	210
4	13	188	183	141	140	142	182	238	253	267	260	265	273	269	270	269	270	274	274	278	295	296	297	222	201
4	14	196	188	183	182	180	182	219	230	239	251	268	266	267	259	260	273	279	281	279	295	291	282	240	207
4	15	188	183	181	180	181	187	260	247	252	272	278	267	263	267	268	285	289	292	296	296	297	285	229	206
4	16	188	181	180	179	180	191	260	263	265	269	272	276	274	276	277	287	283	291	296	296	286	277	227	205
4	17	183	178	177	177	179	202	282	275	280	270	271	272	268	255	254	255	260	275	296	296	296	277	209	191
4	18	182	180	179	179	181	207	275	281	281	252	252	255	250	249	248	249	265	268	271	296	296	291	222	203
4	19	190	186	185	185	190	199	255	257	277	260	260	264	262	264	267	267	273	288	296	314	306	322	222	205
4	20	193	188	185	185	187	194	246	254	273	265	272	277	275	277	280	288	295	299	345	349	328	323	233	211
4	21	195	188	188	186	186	189	265	278	288	311	299	309	313	326	327	330	336	335	379	379	380	376	257	219
4	22	205	195	192	189	191	198	289	297	298	301	317	331	334	313	352	353	358	363	368	370	363	355	256	215
4	23	203	197	194	189	194	202	222	227	232	240	240	240	240	278	275	287	287	296	299	329	297	279	245	209
4	24	196	191	188	185	189	198	246	249	252	262	264	268	227	253	258	262	327	330	330	359	327	309	271	217

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
4	25	198	192	187	187	189	203	245	254	259	270	287	283	290	297	329	307	310	310	332	330	321	299	231	219
4	26	204	195	188	189	190	199	242	259	268	265	275	287	292	319	308	314	331	330	350	343	334	314	248	225
4	27	201	194	189	186	187	191	245	255	264	268	281	296	305	320	332	336	336	328	331	325	343	323	253	229
4	28	224	198	193	192	186	187	241	246	245	269	282	295	312	342	344	351	350	375	370	369	362	347	270	248
4	29	204	196	192	190	189	192	229	253	251	285	308	331	351	365	373	380	384	378	377	367	354	338	299	254
4	30	215	205	199	197	198	209	247	252	268	318	336	349	354	358	357	361	365	360	353	355	351	331	283	255
5	1	208	200	196	194	195	197	251	266	319	335	307	320	318	326	332	335	358	338	334	330	324	312	251	226
5	2	218	196	187	186	188	191	253	265	274	281	306	309	314	288	292	298	310	310	339	337	331	312	252	231
5	3	205	207	188	187	196	201	256	263	271	279	293	282	290	311	331	339	352	347	346	341	330	309	251	229
5	4	212	203	191	186	187	188	237	251	249	285	299	314	326	339	348	355	365	363	352	345	336	318	262	224
5	5	213	204	199	195	193	195	231	232	245	276	302	286	291	303	312	316	314	309	300	327	323	306	250	226
5	6	199	200	187	186	192	195	248	259	275	285	275	307	318	325	334	308	309	334	328	331	323	308	245	223
5	7	198	192	190	189	187	189	270	286	301	302	295	304	313	316	330	331	328	327	322	325	353	329	231	212
5	8	202	192	187	187	187	190	285	302	282	295	299	308	321	320	320	347	359	360	358	362	360	354	244	220
5	9	206	197	194	194	189	199	296	301	289	296	307	312	323	322	324	354	356	361	360	362	360	349	254	213
5	10	197	191	189	188	190	192	291	296	307	311	321	341	322	329	348	358	359	363	357	361	357	336	250	228
5	11	206	198	194	192	192	192	255	258	266	282	331	341	345	361	362	356	360	362	358	360	358	366	273	248
5	12	211	203	191	189	195	190	226	236	260	267	311	320	352	306	333	360	360	361	361	363	358	353	279	234
5	13	209	200	195	193	193	195	229	236	260	265	327	332	364	369	375	382	384	383	376	367	362	324	291	251
5	14	232	208	203	199	178	180	205	213	224	278	299	321	353	372	378	382	381	370	366	356	349	326	299	271
5	15	212	205	200	197	178	180	221	239	274	286	309	332	343	353	360	365	367	364	356	346	339	313	276	246
5	16	208	202	180	178	195	197	204	234	247	267	308	303	312	350	356	361	365	359	352	343	336	322	289	229
5	17	211	202	198	196	196	198	239	280	294	305	312	324	321	336	347	353	356	323	340	327	334	321	261	216
5	18	204	197	194	191	190	190	224	236	250	267	282	334	316	333	313	322	356	351	314	303	338	288	243	222
5	19	205	199	195	191	190	189	206	215	230	253	281	309	327	345	357	363	367	366	356	363	365	353	250	221
5	20	204	199	195	194	194	196	257	323	290	312	321	303	284	356	363	349	351	351	347	339	334	322	302	226
5	21	201	193	189	188	189	191	216	229	253	272	295	316	283	300	326	362	362	360	355	340	362	323	279	247
5	22	205	200	197	195	195	195	220	237	287	316	318	331	340	350	358	363	366	365	354	336	336	322	309	261
5	23	215	206	197	195	194	195	215	227	242	295	324	338	293	336	364	371	367	366	369	368	326	354	285	253
5	24	208	197	193	191	191	192	213	228	242	258	273	329	328	370	369	370	370	369	368	368	369	368	344	324
5	25	208	199	194	191	190	189	210	228	244	266	281	332	303	349	355	360	369	361	354	337	368	364	282	249
5	26	207	198	194	191	190	190	220	239	258	275	289	302	329	341	353	343	369	369	362	352	344	355	274	243
5	27	205	198	194	192	191	188	176	179	189	207	253	265	272	283	368	369	319	310	302	290	284	280	254	237
5	28	199	192	196	194	194	187	251	261	245	273	279	278	286	294	317	323	326	324	319	309	308	307	270	251
5	29	235	220	216	200	200	201	258	266	277	292	309	328	335	336	338	345	348	349	345	341	342	328	286	270
5	30	185	179	174	172	173	173	177	189	201	219	234	248	259	269	278	283	285	282	275	264	257	242	222	205
5	31	191	184	180	179	178	173	238	256	235	294	275	288	300	310	318	324	326	323	313	300	288	271	253	254
6	1	265	253	235	227	226	224	225	247	276	314	351	391	363	378	389	405	409	405	386	368	394	357	340	307

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
6	260	242	233	226	224	221	231	258	305	354	379	398	420	434	443	450	452	450	443	423	407	393	340	315
6	279	259	245	236	234	236	236	262	297	349	378	401	370	389	401	409	413	410	396	369	397	368	328	297
6	257	244	237	232	231	233	236	261	297	345	387	399	358	380	399	414	418	414	392	360	400	378	349	314
6	286	247	239	235	234	245	244	275	300	341	386	400	368	394	413	424	428	424	408	376	386	354	333	304
6	263	249	241	236	235	235	236	261	299	344	384	400	385	414	433	440	446	442	432	406	412	389	355	325
6	281	265	255	248	244	245	249	276	325	353	395	418	400	427	455	456	453	448	438	414	419	391	379	318
6	282	269	257	249	243	240	240	262	316	372	393	418	393	421	440	452	454	448	431	395	417	389	386	336
6	314	297	261	253	248	243	255	285	345	385	401	395	417	440	454	460	461	454	433	425	405	399	354	326
6	273	261	250	245	243	245	292	304	348	407	437	460	450	467	481	490	494	487	471	445	458	442	377	323
6	284	278	272	270	270	271	247	327	358	383	406	424	408	426	441	449	444	440	427	405	420	402	356	324
6	303	289	272	262	260	262	246	325	355	379	407	425	383	410	433	448	443	439	422	388	426	407	371	342
6	320	305	292	277	275	277	263	299	359	392	409	425	384	410	432	448	451	445	424	386	421	404	375	329
6	322	298	280	270	269	272	254	287	327	372	399	421	394	411	414	416	411	404	392	361	395	386	347	319
6	298	285	272	269	266	264	239	259	299	352	388	411	391	404	405	395	385	379	369	352	383	358	342	310
6	286	273	264	259	253	248	235	253	281	343	385	408	418	429	438	444	445	442	424	403	407	388	331	302
6	281	270	256	248	247	249	236	257	291	354	389	408	369	392	419	430	435	433	417	380	405	385	338	306
6	260	247	238	234	233	234	236	262	299	351	387	403	376	404	408	426	430	429	416	378	405	387	360	322
6	273	257	249	244	257	258	244	265	333	362	387	410	365	390	408	424	432	427	412	372	408	371	329	292
6	266	249	240	235	234	234	235	257	299	347	364	404	368	379	398	419	423	419	405	377	408	386	358	323
6	298	278	263	254	253	256	239	261	308	360	392	408	372	392	401	414	413	407	382	356	401	382	357	322
6	297	278	265	256	252	253	234	256	299	348	390	404	364	382	397	411	419	415	399	364	400	380	357	324
6	294	277	263	254	251	250	239	260	299	342	371	399	422	427	423	426	426	433	412	418	383	374	356	320
6	296	282	269	261	260	262	247	264	298	334	371	400	363	392	396	399	405	405	383	358	394	360	373	317
6	293	279	266	258	258	261	270	299	331	373	389	405	359	371	395	416	422	426	411	376	407	390	349	318
6	298	282	269	263	262	266	252	279	321	362	391	417	382	425	440	453	459	457	443	414	427	395	370	337
6	315	300	286	272	271	272	310	328	358	397	449	472	453	490	505	504	504	501	499	481	483	449	363	352
6	333	311	298	288	285	286	313	334	363	411	457	491	490	509	519	517	521	523	516	487	500	470	406	371
6	347	329	317	307	302	298	313	334	364	411	462	498	496	518	528	527	524	525	520	498	509	482	426	393
6	362	344	331	322	297	293	335	356	392	438	473	498	513	531	542	546	544	542	534	512	494	466	394	368
7	353	341	327	321	317	319	370	387	427	469	474	519	516	530	529	534	535	529	521	490	501	461	398	367
7	339	307	288	280	278	277	354	376	402	428	470	495	482	502	522	537	541	539	524	501	499	470	380	351
7	308	299	285	277	274	273	340	359	410	425	452	484	491	508	527	528	525	523	518	503	505	468	393	355
7	332	310	296	283	266	265	315	333	376	402	435	470	486	499	519	526	527	524	513	492	463	437	384	331
7	326	300	285	279	276	276	341	362	406	435	471	508	494	485	480	481	477	445	442	431	434	439	360	334
7	317	278	268	274	258	264	320	339	373	414	433	467	466	491	506	512	505	495	481	463	465	430	368	343
7	311	299	278	268	262	259	303	326	374	398	448	488	511	521	528	531	519	504	478	451	425	404	359	317
7	288	270	261	254	252	255	321	340	372	410	447	491	491	510	524	535	531	521	503	481	490	460	369	336
7	313	291	276	266	260	265	325	391	448	423	448	473	472	499	514	527	530	516	491	466	473	428	348	322

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
7	10	292	287	263	257	258	265	327	348	376	408	427	450	443	452	465	467	473	477	466	420	437	417	345	303
7	11	298	284	266	258	258	263	304	332	359	379	405	440	412	411	404	411	394	388	387	384	420	391	339	299
7	12	284	256	248	240	235	239	243	289	311	320	350	374	381	387	365	376	393	392	361	350	373	345	337	294
7	13	275	248	235	231	228	227	229	256	290	326	372	395	385	399	409	414	407	396	346	348	376	362	345	308
7	14	258	245	235	228	226	225	275	292	332	386	425	454	467	494	503	509	503	489	466	448	442	422	348	318
7	15	284	268	255	247	246	252	363	377	406	416	446	490	478	485	491	494	494	488	479	465	467	444	346	317
7	16	279	262	248	243	241	244	316	356	375	378	408	426	428	449	453	439	433	426	404	385	394	371	287	256
7	17	243	234	226	222	223	227	232	252	296	325	352	378	377	400	407	413	412	409	404	387	383	352	324	296
7	18	263	246	234	227	224	229	295	316	351	394	411	432	442	453	461	466	468	466	452	440	431	410	331	301
7	19	273	262	252	250	252	255	301	317	356	394	417	436	443	452	459	460	461	451	446	409	420	412	351	318
7	20	290	276	265	250	247	255	303	318	336	363	394	419	382	412	424	434	436	406	389	379	385	378	317	298
7	21	267	255	246	242	241	240	282	296	317	348	374	387	392	398	401	401	399	399	393	386	378	351	301	273
7	22	253	241	233	231	233	238	298	314	368	363	390	423	415	425	432	437	440	431	406	392	403	393	324	295
7	23	263	251	244	241	243	248	308	326	351	385	402	434	434	444	456	462	459	452	435	422	420	398	337	310
7	24	266	254	246	241	241	245	303	323	342	384	405	429	442	455	464	470	471	470	462	445	430	410	350	321
7	25	278	266	259	254	253	257	325	366	365	387	412	441	444	452	457	461	462	456	421	406	403	388	319	293
7	26	286	271	256	251	251	255	366	369	360	391	423	449	441	440	436	432	426	427	387	372	395	372	302	279
7	27	263	254	248	244	243	244	296	312	336	373	397	429	429	440	441	442	427	421	409	393	387	383	320	278
7	28	262	251	243	237	234	234	264	281	306	340	365	392	401	408	412	413	416	414	406	395	390	365	325	298
7	29	267	244	235	231	231	235	288	311	340	379	407	432	399	432	451	462	466	461	446	418	437	413	374	301
7	30	272	255	243	238	239	243	287	309	336	391	417	441	433	449	461	468	459	475	458	439	452	429	356	326
7	31	300	280	262	254	255	269	302	323	367	406	436	444	452	463	469	479	484	476	455	438	448	416	353	318
8	1	292	277	275	269	266	274	306	325	365	415	423	430	423	434	445	453	449	442	429	414	431	379	318	300
8	2	268	257	249	245	244	248	252	282	317	359	383	395	381	387	394	387	375	368	361	342	375	350	334	297
8	3	266	254	246	241	237	238	235	259	295	338	372	391	380	398	413	419	416	411	397	382	394	380	352	325
8	4	292	267	258	252	249	249	252	281	330	365	385	403	419	437	448	458	464	461	446	426	410	389	347	317
8	5	272	259	249	245	244	248	291	308	326	384	391	405	403	418	429	431	446	426	413	394	407	377	319	288
8	6	268	255	245	239	239	242	255	275	328	325	356	372	351	360	350	352	366	351	339	322	340	328	286	261
8	7	247	239	231	226	227	232	256	276	293	317	353	366	360	372	385	387	389	392	383	362	373	357	307	273
8	8	241	230	222	218	219	224	252	273	310	341	366	379	372	384	395	406	410	408	388	373	385	371	319	287
8	9	256	244	234	229	228	233	259	283	310	354	376	391	371	396	409	419	421	413	392	377	388	377	337	309
8	10	264	250	241	235	232	233	254	276	300	350	377	390	374	389	399	405	401	399	381	367	386	376	340	309
8	11	260	248	240	234	230	230	240	251	289	348	385	402	401	421	435	442	440	434	419	397	397	370	321	285
8	12	251	241	233	229	231	237	238	263	290	343	383	405	388	409	416	415	412	408	396	379	398	383	333	304
8	13	279	259	238	235	234	241	309	325	356	394	428	445	416	452	466	466	468	464	453	433	452	433	340	310
8	14	269	253	246	242	242	249	291	312	345	407	423	458	436	466	470	461	457	453	442	430	435	414	346	314
8	15	271	260	253	248	247	254	305	325	372	390	429	457	449	469	469	476	484	479	475	461	469	437	371	350
8	16	293	279	270	264	263	267	316	335	385	414	458	487	482	493	496	504	505	499	483	462	474	443	386	360

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
8	17	315	299	290	274	266	303	324	378	413	458	486	477	496	493	498	499	495	481	454	474	443	390	344
8	18	313	293	281	270	271	269	273	313	366	390	414	443	457	473	472	474	462	422	402	407	382	329	299
8	19	269	272	257	254	256	261	296	319	350	376	396	415	402	419	431	429	421	412	398	384	404	389	320
8	20	299	284	274	261	261	273	312	338	381	405	443	474	462	475	484	481	469	460	422	407	419	416	295
8	21	276	266	259	254	254	260	303	321	355	396	414	442	419	437	453	468	475	464	446	425	454	409	318
8	22	292	278	270	265	266	273	316	329	358	396	416	439	426	455	467	470	470	460	439	410	434	399	302
8	23	276	260	252	250	250	256	287	309	347	369	387	400	380	395	406	412	403	381	353	342	388	374	292
8	24	269	259	251	246	244	247	278	275	300	325	334	342	322	337	347	344	327	316	299	299	341	317	250
8	25	237	229	224	221	221	224	254	265	282	323	359	383	394	401	397	386	388	384	368	383	378	335	234
8	26	222	218	216	215	218	227	280	291	311	312	329	342	358	373	367	380	383	379	370	366	387	369	263
8	27	247	238	231	228	226	239	340	355	369	386	398	426	412	423	430	442	449	442	426	421	437	415	338
8	28	266	255	248	245	246	264	352	367	369	385	405	425	419	431	437	441	442	438	426	416	410	403	317
8	29	282	277	264	259	256	278	328	336	341	346	365	374	375	382	390	393	390	388	378	369	365	360	258
8	30	234	223	222	220	221	235	270	285	298	337	350	365	366	370	374	379	383	379	369	366	367	356	280
8	31	253	239	236	225	223	232	254	268	287	316	354	367	369	379	386	391	386	375	368	366	366	314	290
9	1	237	227	216	207	210	217	221	233	260	290	326	350	389	400	413	417	415	392	374	362	348	333	285
9	2	265	249	233	229	226	224	226	248	282	319	361	391	411	429	439	441	442	437	423	412	391	368	295
9	3	279	263	252	248	232	239	294	315	346	381	417	436	427	443	453	457	452	443	426	415	405	379	274
9	4	251	242	234	231	233	241	293	306	327	368	416	434	434	455	462	459	453	446	432	421	438	392	298
9	5	253	243	236	233	235	242	295	311	353	393	414	445	441	459	459	459	458	455	442	431	434	419	332
9	6	260	249	242	236	237	244	297	312	355	380	421	441	434	442	440	438	433	421	402	400	396	369	280
9	7	255	245	237	233	232	236	281	296	301	316	333	352	344	358	380	380	383	357	344	332	332	314	268
9	8	219	213	208	210	209	213	227	225	246	270	285	307	317	333	346	359	356	336	325	318	366	346	221
9	9	206	199	194	192	196	206	263	276	264	281	302	320	302	287	289	285	277	285	287	290	296	280	205
9	10	188	182	178	177	181	191	221	223	227	240	253	261	342	350	355	358	362	356	347	348	356	336	215
9	11	190	183	169	169	183	192	271	280	262	276	282	291	367	366	367	367	367	366	366	366	366	284	206
9	12	194	188	184	182	185	194	260	262	263	280	298	310	302	310	322	329	330	316	303	317	328	314	266
9	13	219	212	206	199	194	202	262	271	271	284	303	320	316	333	343	351	353	341	321	311	325	316	267
9	14	216	207	199	195	194	197	251	265	286	299	321	340	329	348	361	369	368	358	338	319	320	282	271
9	15	221	210	203	198	196	198	224	238	262	296	334	366	374	386	399	407	406	397	379	376	366	352	294
9	16	219	210	203	200	201	208	256	246	272	297	324	348	367	379	385	385	383	371	355	341	316	287	232
9	17	204	194	187	184	186	206	217	229	246	271	299	325	348	367	379	387	388	376	377	353	328	301	270
9	18	229	220	213	208	208	216	226	243	266	291	313	334	345	361	368	372	372	361	341	334	314	287	234
9	19	218	205	195	191	200	206	222	238	261	277	302	322	341	359	373	384	389	380	359	344	320	314	280
9	20	220	209	203	200	202	210	229	244	276	286	334	344	351	362	367	364	362	352	329	317	291	265	235
9	21	209	200	198	195	194	197	203	214	233	263	307	341	339	350	361	367	367	360	349	344	318	292	277
9	22	219	210	204	200	198	200	202	212	228	270	298	321	323	332	353	365	359	349	331	323	300	269	205
9	23	194	187	183	179	181	192	198	203	216	230	246	274	288	308	325	345	344	349	330	312	298	262	235

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
9	24	194	189	185	183	186	194	228	234	242	254	273	290	311	337	361	383	386	384	369	356	328	284	245	218
9	25	208	196	190	189	191	201	241	252	265	285	309	328	331	359	370	376	378	377	361	345	334	308	248	222
9	26	205	197	191	189	191	199	265	270	278	291	312	333	331	346	356	362	360	354	346	340	337	316	234	212
9	27	189	184	180	179	183	195	213	224	233	262	278	266	334	315	313	316	327	310	309	306	241	236	212	197
9	28	187	182	177	176	177	181	212	218	226	247	246	255	317	329	340	341	357	358	356	351	307	276	223	201
9	29	186	180	176	175	175	179	207	213	223	253	258	270	300	316	349	363	366	364	357	366	304	278	224	202
9	30	185	180	177	176	179	187	263	266	273	306	306	307	314	355	354	362	365	356	362	356	354	323	245	220
10	1	189	183	179	178	181	189	314	323	297	307	331	345	327	333	339	348	359	359	357	344	351	344	234	209
10	2	192	185	181	180	183	191	277	311	318	330	325	341	328	343	354	360	360	359	356	344	350	339	236	205
10	3	195	188	184	183	186	194	304	311	321	320	330	338	324	337	345	352	355	355	345	340	350	345	235	207
10	4	196	186	182	181	183	191	284	284	297	309	327	331	317	337	342	357	347	342	334	329	335	314	215	196
10	5	186	181	179	177	177	183	269	275	277	286	296	304	293	301	308	319	315	316	318	314	314	296	203	191
10	6	184	178	175	174	175	179	263	267	274	286	295	304	313	325	336	354	359	358	358	355	350	313	240	196
10	7	177	173	171	171	174	182	273	282	289	302	311	320	340	357	359	359	359	359	359	355	350	329	223	198
10	8	182	176	173	173	176	186	298	305	309	310	318	340	333	342	344	349	348	358	359	354	350	342	222	200
10	9	184	177	174	174	177	192	320	321	327	335	337	342	334	341	347	347	349	349	351	345	350	345	223	199
10	10	186	177	174	174	177	186	319	226	226	201	202	225	228	234	250	262	270	218	225	257	250	240	190	172
10	11	165	157	155	154	159	185	172	177	180	182	181	183	185	191	196	200	204	206	212	209	208	193	193	186
10	12	166	163	159	159	160	165	174	178	183	187	195	196	201	207	213	219	223	227	228	226	216	204	199	186
10	13	177	170	173	172	173	177	287	291	170	177	184	191	201	212	221	229	232	231	235	229	217	204	191	179
10	14	171	166	162	161	164	174	224	227	198	165	194	197	217	222	225	262	230	230	240	234	221	240	208	190
10	15	177	173	171	171	176	185	218	220	221	217	226	228	233	244	247	249	250	250	261	252	238	228	200	176
10	16	165	161	159	159	163	199	231	232	228	231	209	214	210	224	230	234	248	240	258	252	245	247	233	180
10	17	166	159	156	156	162	219	232	233	233	233	235	237	242	248	250	252	254	257	263	260	251	241	232	225
10	18	165	162	159	159	171	185	237	237	236	233	230	238	242	246	250	250	252	254	258	256	246	238	198	185
10	19	169	164	162	157	160	165	213	217	220	232	232	234	246	249	261	306	306	306	304	304	256	289	281	263
10	20	276	171	169	167	169	174	276	276	276	277	274	277	285	289	291	300	301	306	347	304	295	289	275	256
10	21	169	166	165	165	170	182	277	276	276	277	277	278	310	314	315	333	335	327	326	326	320	312	263	205
10	22	173	169	167	167	171	300	319	303	304	304	306	305	310	318	324	329	331	338	338	335	329	316	299	281
10	23	173	169	166	167	172	232	304	304	298	297	298	299	308	318	321	326	331	327	327	323	329	326	212	190
10	24	173	168	166	165	170	180	303	308	307	306	309	319	326	337	340	340	340	340	340	336	331	340	181	175
10	25	154	147	144	145	151	167	183	186	187	190	195	201	209	218	226	232	234	231	234	224	213	200	178	169
10	26	152	147	145	143	145	150	159	164	178	176	182	196	204	213	221	227	228	227	231	221	210	197	184	169
10	27	152	146	142	141	142	146	152	157	164	182	180	188	196	210	220	227	231	232	236	227	215	199	185	163
10	28	148	143	141	141	146	155	171	173	187	191	194	199	204	205	205	205	206	217	228	222	212	198	173	168
10	29	152	144	145	144	151	168	193	194	194	197	196	198	201	201	210	210	212	218	225	220	212	199	189	174
10	30	152	147	144	145	155	186	197	226	201	203	257	259	259	260	260	266	264	277	294	291	282	310	218	206
10	31	150	148	171	172	178	266	320	295	313	290	283	285	283	284	284	288	292	307	348	347	328	301	196	179

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
11	1	171	170	169	261	276	318	344	329	311	309	310	309	309	310	315	319	333	346	341	332	333	268	237
11	2	224	196	194	197	262	297	301	302	314	313	313	313	315	337	342	347	349	352	349	342	323	187	177
11	3	169	164	162	163	167	175	235	240	257	247	254	255	275	278	285	288	296	307	301	289	270	247	176
11	4	166	162	161	162	167	179	226	308	305	305	314	311	314	317	320	326	344	351	346	339	331	286	184
11	5	168	164	163	164	168	179	271	344	308	282	284	300	294	281	286	292	339	341	329	317	305	285	178
11	6	172	169	169	170	176	232	240	319	312	309	301	302	311	311	313	319	338	336	340	335	333	275	181
11	7	175	172	172	173	179	253	300	345	345	318	321	322	325	338	342	339	351	359	356	351	339	310	184
11	8	173	160	169	170	176	201	301	328	328	325	322	323	324	330	342	344	352	355	352	345	327	290	189
11	9	174	170	186	170	173	195	221	319	322	328	333	337	344	338	343	353	355	353	346	343	335	316	179
11	10	172	169	167	168	170	175	193	318	320	326	321	324	327	337	341	340	344	358	337	332	330	319	238
11	11	170	166	164	165	169	192	189	301	303	307	321	314	324	346	348	351	360	358	356	344	332	297	187
11	12	180	167	165	166	170	181	222	307	306	313	315	316	318	342	345	344	347	360	359	346	326	303	214
11	13	171	167	165	166	171	181	249	319	318	332	332	325	329	340	344	351	356	351	353	344	337	322	178
11	14	171	168	167	168	173	184	203	318	318	324	326	328	332	340	347	360	360	358	356	340	330	323	219
11	15	173	170	169	169	174	184	200	318	318	320	319	325	328	335	339	342	342	345	338	333	327	319	179
11	16	172	167	165	165	167	173	182	319	318	319	320	320	325	332	334	333	333	338	344	339	332	324	229
11	17	172	168	167	167	170	175	184	315	318	320	323	324	321	324	322	329	338	349	353	350	340	332	318
11	18	169	166	164	165	170	183	318	319	330	328	329	330	333	338	340	342	341	359	358	355	344	285	241
11	19	196	192	191	188	193	211	270	311	331	329	337	337	302	305	307	308	315	331	344	342	339	318	249
11	20	169	166	165	166	171	184	269	307	299	304	303	305	308	314	315	317	324	326	321	315	307	296	284
11	21	168	165	164	165	169	202	330	327	318	325	319	321	329	335	337	338	337	345	346	344	337	328	194
11	22	167	164	163	164	194	275	344	345	344	321	322	323	324	332	334	333	334	341	348	346	338	319	185
11	23	178	199	197	197	200	208	221	345	344	322	331	330	337	343	342	345	336	344	348	347	344	329	201
11	24	218	217	215	215	218	249	261	345	335	324	326	327	324	332	330	332	333	344	341	343	350	346	304
11	25	222	220	220	223	231	326	344	343	345	335	346	344	346	346	342	344	351	348	343	341	337	328	290
11	26	312	258	218	220	229	240	277	335	325	310	290	284	326	329	327	329	337	345	353	347	345	320	229
11	27	218	216	215	217	224	234	261	319	318	313	318	319	325	271	273	287	294	322	338	337	336	302	234
11	28	196	193	191	192	221	230	242	325	326	325	334	332	319	309	299	294	295	333	342	339	337	295	213
11	29	209	206	205	206	212	223	245	330	322	320	313	311	301	284	283	293	298	315	340	341	337	328	214
11	30	206	202	199	200	203	211	223	307	321	322	312	308	300	289	287	299	303	343	358	356	342	328	217
12	1	179	174	172	172	174	180	214	314	323	323	318	315	312	309	308	308	313	340	346	344	344	286	187
12	2	180	176	176	178	186	293	328	360	339	335	325	324	319	276	322	324	321	336	341	338	330	345	232
12	3	229	225	224	226	234	228	255	337	337	335	324	323	312	310	307	310	320	343	346	344	336	314	210
12	4	228	235	234	237	244	258	302	333	296	292	286	281	278	280	276	278	318	343	346	344	336	350	288
12	5	256	272	251	254	262	301	349	359	350	348	342	336	330	344	344	331	338	349	359	356	345	345	329
12	6	258	304	309	309	323	331	348	359	356	353	345	298	317	318	308	304	314	360	360	357	348	342	335
12	7	316	314	313	315	331	345	359	355	339	332	325	331	332	331	336	323	359	359	356	349	345	330	329
12	8	283	264	254	250	261	277	322	310	298	331	313	300	308	292	306	280	359	358	356	349	346	333	305

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving entity; 1. Hourly demand for the previous calendar year, disaggregated by: b. Sales for resale:

Mon Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
12 9	294	295	319	322	319	335	353	356	347	298	297	304	280	261	247	264	303	358	358	357	348	346	324	335
12 10	287	322	323	328	328	340	353	359	357	353	343	343	344	343	344	348	356	358	359	356	348	341	298	305
12 11	313	236	330	330	333	342	358	359	357	335	312	297	293	276	268	272	289	355	359	356	341	329	302	310
12 12	243	234	234	261	326	345	359	360	356	326	291	317	318	317	300	302	334	358	359	356	343	336	330	323
12 13	313	316	317	311	323	331	348	348	343	338	328	320	309	304	293	291	299	336	353	349	348	340	330	303
12 14	289	285	285	292	284	292	317	344	332	315	308	301	296	289	283	285	292	318	353	356	349	335	336	309
12 15	290	283	282	284	292	305	336	353	347	334	325	324	323	320	314	316	323	341	350	355	348	345	337	292
12 16	271	269	269	271	280	307	334	348	344	333	314	307	295	291	289	290	300	339	343	347	347	315	294	300
12 17	264	256	257	255	268	314	342	353	346	332	326	318	306	303	297	299	320	344	355	353	343	336	329	287
12 18	277	214	199	203	212	233	272	352	344	327	319	315	305	303	301	303	314	346	355	353	345	338	320	198
12 19	191	282	283	285	292	313	343	350	349	341	323	317	309	306	304	306	313	358	359	355	348	335	303	298
12 20	287	299	298	299	306	323	340	343	344	328	331	329	331	332	332	334	328	356	360	356	348	345	337	329
12 21	318	287	286	289	296	312	337	353	346	341	330	330	322	325	325	327	335	347	355	354	348	346	338	329
12 22	320	324	315	327	319	334	358	360	356	341	315	330	250	249	240	230	241	327	349	347	348	345	337	301
12 23	289	289	285	282	292	315	339	353	352	339	327	323	318	295	288	291	300	294	350	336	338	345	336	296
12 24	285	304	304	307	315	332	346	349	344	340	328	320	309	302	298	303	310	353	351	350	343	337	322	311
12 25	303	298	295	298	304	329	344	347	349	338	327	328	325	323	317	317	321	350	346	345	337	340	333	307
12 26	296	291	291	295	304	322	347	350	351	337	329	317	318	319	318	323	333	343	344	345	339	342	336	322
12 27	304	280	280	283	291	310	331	351	344	339	329	328	327	272	279	319	326	342	352	356	348	342	328	297
12 28	285	280	279	282	290	306	340	352	344	340	329	317	319	312	308	308	321	347	353	354	348	342	324	299
12 29	287	302	300	299	305	319	340	351	349	341	327	240	309	273	250	259	313	342	359	356	347	341	334	315
12 30	308	234	259	287	297	316	339	350	343	332	329	304	328	295	263	313	336	343	357	354	348	342	335	301
12 31	317	278	279	288	297	331	345	357	345	329	321	321	325	255	236	240	256	321	345	348	337	339	314	295

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. Hourly demand for the previous calendar year, disaggregated by:
 - c. Energy losses; and

AEPCO's 2013 hourly energy losses were estimated by applying a network energy loss rate of 2.37% to the hourly network loads from Section A-1.b. The system transmission loss factor is 2.31% measured at the generator and 2.37% measured at the transmission output. The data reported in the tables in Section A-1.b is measured at the transmission output.

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	1	5.3	5.1	5.0	5.0	5.2	5.2	5.5	5.6	6.2	6.0	5.5	5.5	5.2	5.1	5.0	5.1	5.3	5.9	6.3	7.0	7.0	5.5	5.3	5.1
1	2	4.9	4.9	4.9	4.9	5.0	5.3	7.2	6.7	6.9	6.5	6.3	5.7	5.5	5.3	5.1	5.0	5.3	6.1	6.6	6.8	7.3	6.8	5.9	5.9
1	3	5.4	4.8	4.8	4.9	5.0	5.8	6.8	7.1	7.4	6.8	6.4	6.1	5.9	5.6	5.0	5.0	5.2	6.0	7.2	7.3	6.9	6.7	6.5	5.6
1	4	5.1	5.0	5.0	5.1	5.3	6.2	6.8	7.0	6.9	6.5	6.3	6.0	5.6	5.5	4.9	5.0	5.2	6.0	6.8	6.8	6.7	5.8	5.6	5.3
1	5	5.1	4.9	4.9	5.0	5.4	5.5	5.8	7.3	7.1	6.8	6.6	6.2	6.0	5.3	5.1	5.1	5.2	5.8	6.6	6.6	6.5	6.5	6.0	5.5
1	6	5.1	5.0	5.0	4.9	5.0	5.3	5.7	5.9	5.9	5.8	5.7	5.6	5.3	5.0	5.1	5.3	5.9	6.4	7.1	7.2	6.8	6.0	5.3	5.1
1	7	4.9	4.9	4.9	4.9	5.1	5.5	6.7	7.4	7.3	6.6	5.8	5.5	5.1	5.0	4.9	4.8	5.3	6.3	7.0	7.2	7.0	6.6	5.9	5.7
1	8	4.9	4.8	4.9	4.9	5.1	5.6	6.9	6.8	7.0	6.4	6.1	5.9	5.2	5.1	4.9	5.0	5.3	6.9	7.5	7.7	7.2	6.5	6.0	5.2
1	9	4.5	4.5	4.5	4.5	4.9	5.3	6.8	6.9	6.7	5.4	5.2	5.0	4.7	4.7	4.6	4.7	5.1	5.1	6.3	6.3	6.2	5.8	5.3	5.1
1	10	4.8	4.6	4.5	4.6	4.8	5.1	6.6	6.8	6.9	5.6	5.5	5.5	5.4	5.2	5.2	5.2	5.4	5.8	7.0	7.1	6.8	6.4	6.0	5.3
1	11	4.8	5.0	5.0	5.5	5.1	5.9	6.8	6.9	7.0	6.9	6.6	5.8	5.5	5.3	5.2	5.2	5.3	5.9	7.1	6.8	6.7	6.4	6.3	6.7
1	12	6.3	6.3	6.3	6.4	6.5	7.5	8.0	8.0	7.9	7.2	6.4	6.0	5.8	5.6	5.5	5.5	5.7	7.0	7.3	7.4	7.2	6.9	6.5	6.4
1	13	6.9	6.3	6.1	6.9	7.2	7.5	7.7	8.3	8.1	7.7	7.5	7.3	7.2	6.9	5.8	5.7	5.9	7.6	8.3	8.2	8.0	7.6	7.7	7.7
1	14	6.9	6.7	6.7	7.0	7.1	7.4	8.3	8.3	8.1	7.8	7.7	8.0	7.2	7.0	6.3	6.1	6.3	7.8	8.2	8.3	8.2	7.8	7.6	7.5
1	15	6.9	6.8	6.6	6.6	7.0	7.5	8.4	8.4	8.3	8.1	7.5	7.4	5.9	5.8	5.8	5.9	6.1	7.5	8.0	8.0	7.9	7.9	7.2	7.0
1	16	6.4	6.3	6.3	6.4	6.7	7.0	8.4	7.8	7.8	7.1	6.3	5.9	5.5	5.2	5.0	5.1	5.4	6.3	7.1	7.2	7.2	6.8	6.3	6.1
1	17	4.9	4.8	4.9	4.9	5.1	6.9	7.7	7.8	7.1	6.8	6.5	5.9	5.6	5.4	5.2	5.2	5.2	5.6	6.6	6.7	5.6	5.6	5.3	4.8
1	18	4.7	4.7	4.7	4.7	4.8	5.1	6.6	6.4	6.2	6.4	5.5	5.3	5.2	4.9	4.9	5.0	4.9	5.4	6.2	6.2	6.0	5.3	5.2	4.8
1	19	4.8	4.8	4.8	4.9	5.0	5.5	6.0	6.5	6.5	6.4	6.2	5.6	5.3	5.1	4.8	4.8	5.0	5.2	5.9	6.0	5.9	5.3	4.8	4.7
1	20	4.6	4.6	4.7	4.7	4.9	5.3	5.7	6.1	6.2	6.0	5.2	5.1	5.2	5.0	4.8	4.8	4.8	5.3	6.1	6.0	6.0	5.7	5.2	4.6
1	21	4.6	4.5	4.5	4.6	4.7	5.2	5.5	6.1	6.1	5.7	5.4	5.1	5.0	5.0	4.9	4.8	4.9	5.5	6.1	6.0	6.0	5.7	5.3	5.1
1	22	4.8	4.5	4.6	4.6	4.7	5.1	6.0	6.3	6.2	5.6	5.0	4.8	4.7	4.6	4.6	4.6	4.8	5.2	5.9	5.9	5.7	5.3	5.0	4.6
1	23	4.6	4.5	4.5	4.6	4.8	5.4	6.2	5.9	5.7	5.2	5.0	5.1	5.0	5.0	4.9	5.0	5.1	5.2	5.8	5.9	5.7	5.6	4.8	4.6
1	24	4.5	4.5	4.4	4.5	4.7	5.1	5.6	5.7	5.4	5.1	4.8	4.7	4.9	5.1	4.9	4.9	5.0	5.3	5.5	5.5	5.3	5.1	4.7	4.5
1	25	4.4	4.3	4.3	4.2	4.4	4.7	5.6	5.8	5.3	5.3	5.2	5.1	5.0	4.9	4.9	4.7	4.8	5.1	6.0	5.9	5.2	5.0	4.6	4.4
1	26	4.3	4.2	4.2	4.2	4.3	4.6	4.9	5.1	4.9	4.7	4.6	5.1	5.2	5.1	4.9	4.9	5.0	5.0	5.6	5.6	5.4	5.1	4.7	4.4
1	27	4.3	4.3	4.1	4.1	4.2	4.4	4.7	5.1	5.1	5.2	5.3	4.9	4.8	4.7	4.7	4.7	4.9	5.0	5.4	5.5	5.4	5.2	4.9	4.5
1	28	4.7	4.1	4.1	4.2	4.4	4.7	5.3	5.8	5.4	5.4	5.1	5.1	5.1	4.9	4.8	5.0	5.5	5.6	6.0	5.9	5.7	5.6	5.3	4.9
1	29	4.9	4.7	4.6	4.8	5.0	5.3	5.8	6.1	6.1	5.6	5.6	5.5	5.5	5.4	5.2	5.2	5.3	5.6	6.1	6.0	6.0	5.2	5.0	4.9

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	30	4.8	5.0	4.7	4.8	5.3	5.6	6.1	6.1	6.5	6.2	5.8	5.0	4.9	4.8	4.7	5.0	5.5	5.7	5.7	5.7	5.5	5.1	4.8	4.9
1	31	4.6	4.6	4.6	4.7	4.9	5.5	5.9	6.0	5.9	5.5	5.4	5.2	5.0	4.8	4.9	5.0	5.2	6.5	6.3	6.2	5.9	5.4	5.1	5.1
2	1	4.7	4.7	4.7	4.7	5.0	5.4	6.4	6.5	6.3	6.0	5.8	5.2	5.1	4.7	4.6	4.8	5.0	6.3	6.2	5.7	5.5	5.0	4.8	4.8
2	2	4.7	4.7	4.7	4.7	4.9	5.2	5.6	6.0	6.1	5.9	5.6	5.3	5.0	4.9	4.8	4.9	5.2	5.6	6.4	5.4	5.1	4.8	4.5	4.5
2	3	4.4	4.3	4.3	4.3	4.4	4.8	4.9	5.0	4.9	4.9	4.8	4.8	4.9	4.8	4.8	4.8	5.0	5.4	6.2	5.2	5.1	4.9	4.5	4.5
2	4	4.4	4.4	4.4	4.4	4.6	5.0	5.6	6.0	6.0	5.3	5.2	4.9	4.8	4.7	4.6	4.8	5.0	5.8	5.9	5.7	5.4	4.9	4.5	4.5
2	5	4.5	4.4	4.4	4.4	4.6	5.1	5.9	7.3	6.3	5.7	5.1	4.9	4.8	4.6	4.6	4.7	4.8	5.9	7.8	7.6	7.3	5.3	4.8	4.5
2	6	4.4	4.3	4.3	4.3	4.6	5.1	5.8	6.0	5.6	5.3	5.0	4.8	4.7	4.7	4.7	4.9	5.1	7.3	7.4	7.2	5.5	4.9	4.5	4.5
2	7	4.5	4.4	4.4	4.4	4.6	4.9	5.4	6.3	7.1	6.7	6.0	5.9	5.5	4.6	4.6	4.7	7.0	7.6	7.7	7.5	5.5	5.0	4.6	4.6
2	8	4.4	4.3	4.3	4.4	4.5	5.2	6.0	6.1	7.5	6.3	6.0	5.8	5.9	5.6	5.6	5.0	7.2	7.8	7.9	6.7	6.4	5.2	4.8	4.8
2	9	4.9	4.7	4.7	4.7	4.8	5.1	5.7	5.7	5.8	6.5	6.9	6.1	6.0	5.9	5.8	6.2	6.5	6.9	7.2	6.5	6.3	5.9	5.2	5.2
2	10	4.9	4.9	4.9	4.9	5.1	5.5	5.9	6.7	8.1	7.3	6.8	6.1	6.0	5.8	5.8	5.7	6.4	8.1	8.0	7.2	7.4	6.7	5.3	5.3
2	11	4.9	4.9	4.9	4.9	5.1	5.5	7.1	8.5	8.3	7.8	6.2	6.1	6.0	5.9	5.7	5.9	6.4	8.0	8.2	7.5	7.3	7.0	6.2	6.2
2	12	5.0	5.0	5.0	5.0	5.3	6.4	8.4	8.6	7.7	6.6	5.7	5.5	5.3	5.1	4.9	4.8	5.3	6.5	6.5	6.6	6.5	5.9	5.1	5.1
2	13	4.8	4.7	4.8	4.8	5.0	5.5	6.9	7.2	7.0	6.3	6.0	5.3	5.1	5.0	4.7	4.9	5.2	6.5	6.5	6.5	6.2	6.1	5.2	4.8
2	14	4.6	4.6	4.6	4.7	4.9	5.9	6.7	7.1	7.0	6.4	5.3	4.8	4.7	4.7	4.6	4.6	4.9	5.3	6.2	6.4	6.2	6.1	5.5	5.1
2	15	4.7	4.6	4.6	4.7	5.1	5.6	6.1	6.5	6.0	5.5	5.0	5.0	4.9	4.9	4.8	4.8	5.2	5.9	6.1	6.0	5.8	5.3	5.0	5.0
2	16	4.6	4.6	4.6	4.6	4.9	5.3	5.6	5.6	5.1	4.9	4.9	4.8	4.7	4.7	4.6	4.7	4.8	5.5	5.8	5.8	5.5	5.2	4.7	4.7
2	17	4.5	4.4	4.4	4.5	4.7	4.9	5.6	5.5	5.5	5.1	4.8	4.7	4.6	4.6	4.6	4.8	4.9	6.8	7.8	7.0	6.2	5.1	4.5	4.5
2	18	4.5	4.4	4.5	4.5	4.8	5.0	5.9	5.8	5.8	5.3	5.2	4.9	4.8	4.9	4.7	4.8	5.1	7.2	7.4	6.1	5.8	5.8	4.6	4.6
2	19	4.5	4.5	4.5	4.5	4.6	5.4	6.0	5.9	5.8	5.3	5.2	5.1	5.0	5.0	4.9	4.9	5.1	5.9	6.2	6.2	5.9	5.2	4.8	4.8
2	20	4.6	4.4	4.4	4.4	4.5	5.7	6.2	5.9	6.6	6.0	5.8	5.3	5.6	5.6	5.5	5.6	6.7	8.4	8.4	7.3	7.1	6.5	6.0	6.0
2	21	5.0	4.7	4.8	5.0	5.3	6.2	7.5	7.9	8.0	7.4	6.6	5.7	5.4	5.2	5.0	5.2	5.6	8.1	8.1	7.2	6.2	5.7	4.9	4.9
2	22	4.9	4.8	4.8	4.8	4.8	5.5	7.7	7.6	7.2	6.1	6.8	5.4	4.9	4.9	4.8	3.7	3.9	5.0	5.1	4.4	4.5	4.4	4.2	4.2
2	23	3.7	3.7	3.7	3.7	3.8	4.0	4.7	4.9	4.8	4.5	4.4	4.3	3.7	3.7	3.4	3.4	3.6	4.1	3.9	3.9	3.9	3.5	3.6	3.6
2	24	3.5	3.5	3.5	3.5	3.5	3.7	4.1	4.2	4.2	4.0	3.8	4.0	3.8	3.9	3.9	3.8	3.9	4.5	4.7	4.8	4.7	4.5	4.4	4.1
2	25	3.5	3.4	3.6	3.7	3.8	4.1	4.9	5.0	4.8	4.6	4.4	4.3	3.7	3.5	3.4	3.4	3.5	4.1	4.5	4.7	4.6	4.4	4.3	4.2
2	26	3.6	3.6	3.6	3.7	3.8	4.5	5.0	5.0	4.8	4.6	4.4	4.3	3.7	3.5	3.4	3.4	3.8	4.1	4.6	4.7	4.6	4.5	4.3	3.8
2	27	3.4	3.5	3.5	3.6	3.7	4.5	4.9	4.7	4.5	3.9	3.8	3.6	3.5	3.5	3.4	3.5	4.2	4.5	4.7	4.6	4.5	4.2	3.9	3.9

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
2	28	3.4	3.4	3.5	3.6	3.7	4.5	4.9	4.9	4.7	4.4	3.8	3.6	3.4	3.4	3.3	3.3	3.5	3.6	4.2	4.3	4.5	4.3	3.9	3.3
3	1	3.2	3.2	3.2	3.3	3.4	3.8	4.7	4.7	4.6	4.3	3.6	3.5	3.5	3.4	3.4	3.4	3.5	3.6	4.0	4.1	4.1	3.7	3.5	3.3
3	2	3.2	3.1	3.1	3.1	3.1	3.3	3.7	4.0	3.9	3.6	3.5	3.5	3.4	3.4	3.4	3.4	3.5	3.6	4.2	4.2	4.4	4.1	3.5	3.6
3	3	4.0	3.9	3.9	3.9	4.1	4.3	4.4	4.4	5.0	5.0	4.8	5.0	5.0	5.0	5.1	5.1	5.2	5.6	6.3	6.6	5.8	5.6	5.1	4.7
3	4	4.4	4.3	4.3	4.4	4.5	4.7	5.5	5.5	5.3	5.3	5.0	5.0	5.0	5.1	5.2	5.0	5.1	5.4	6.9	7.0	6.4	5.7	4.9	4.8
3	5	4.4	4.3	4.3	4.4	4.6	6.8	7.4	8.1	7.9	5.9	5.3	5.3	4.2	4.7	4.7	5.1	5.2	7.2	8.0	8.0	7.4	5.7	5.3	4.7
3	6	4.6	4.5	4.5	4.5	4.7	5.1	6.8	5.8	5.4	5.2	5.0	5.0	5.0	4.8	4.8	4.9	4.9	6.8	7.3	7.5	6.1	5.5	4.9	4.6
3	7	4.6	4.5	4.4	4.3	4.5	4.9	6.9	6.6	6.1	5.2	4.9	5.0	3.9	4.2	4.9	4.9	4.9	6.8	7.0	7.4	7.0	5.7	5.2	4.8
3	8	4.5	4.5	4.4	4.5	4.6	5.1	5.7	5.9	6.1	6.1	5.2	5.6	5.2	5.6	5.0	5.0	5.3	5.7	7.8	7.7	7.9	7.2	7.0	5.9
3	9	5.0	5.2	5.0	4.9	5.3	5.7	7.0	7.2	5.4	5.5	5.3	5.3	5.4	5.2	5.1	5.1	5.2	5.4	5.9	6.2	6.2	6.0	5.5	5.2
3	10	4.8	4.7	4.7	4.8	4.9	5.3	5.5	5.5	5.7	6.0	5.6	4.9	4.8	4.8	4.7	4.7	4.9	5.2	5.5	6.7	6.0	5.6	5.7	5.2
3	11	4.4	4.4	4.4	4.4	4.6	5.3	7.6	7.8	6.2	5.8	5.3	4.9	5.1	5.1	5.1	5.1	5.3	7.6	7.9	8.1	6.1	5.7	5.0	4.6
3	12	4.4	4.4	4.4	4.4	4.6	4.9	6.0	6.0	5.9	5.5	5.2	5.2	5.2	4.8	4.9	4.9	4.9	5.3	8.0	8.2	8.0	5.8	5.9	5.5
3	13	4.4	4.3	4.3	4.3	4.6	4.9	6.2	5.7	5.2	4.9	4.9	5.1	5.2	5.2	5.2	5.4	5.7	5.9	8.0	8.3	7.9	5.6	4.9	4.6
3	14	4.4	4.3	4.3	4.3	4.3	4.6	5.5	5.6	5.6	5.6	5.6	5.6	6.0	6.1	6.1	6.4	6.8	7.0	8.1	8.1	8.0	6.4	5.1	4.7
3	15	4.5	4.4	4.3	4.3	4.4	4.6	5.3	5.2	5.2	5.2	5.3	5.4	5.0	5.4	5.9	6.0	6.1	5.9	6.0	6.6	6.1	5.7	5.1	4.7
3	16	4.5	4.4	4.4	4.3	4.3	4.5	4.8	4.9	5.0	5.2	5.3	5.6	5.7	5.7	5.8	6.0	6.1	6.3	6.4	6.6	6.2	5.7	5.0	4.7
3	17	4.6	4.5	4.4	4.4	4.5	4.7	6.7	6.8	5.0	5.1	5.2	5.3	5.4	5.5	6.6	6.8	6.9	6.9	7.5	7.7	7.9	7.8	7.3	6.9
3	18	4.6	4.4	4.4	4.4	4.5	6.5	5.7	5.9	5.8	5.5	5.8	5.8	5.9	6.1	6.0	6.1	6.2	6.4	6.5	6.7	6.6	6.1	5.5	5.3
3	19	4.6	4.4	4.4	4.4	4.5	4.8	6.2	6.2	5.3	5.5	5.4	5.7	5.7	5.8	5.9	5.9	6.0	6.0	6.0	6.1	6.4	6.2	5.3	4.9
3	20	4.5	4.4	4.3	4.3	4.4	4.8	6.3	6.4	6.7	6.8	6.2	6.2	6.2	6.2	6.3	6.4	6.4	6.4	6.6	6.7	6.6	6.3	5.3	4.9
3	21	4.4	4.3	4.3	4.2	4.3	4.9	6.0	6.2	6.2	6.2	6.2	6.0	5.9	6.0	6.1	6.1	6.2	6.5	6.2	6.7	6.6	6.5	5.4	4.8
3	22	4.4	4.1	4.1	4.1	4.2	4.4	6.4	6.0	6.0	5.5	5.5	5.7	5.9	5.8	5.8	5.9	6.0	5.9	6.0	6.5	6.5	6.2	5.2	4.5
3	23	4.3	4.1	4.1	4.2	4.3	4.8	5.4	5.6	5.8	5.9	6.0	5.6	5.6	5.6	5.5	6.0	6.1	6.1	6.2	6.9	6.7	6.0	5.1	4.7
3	24	4.4	4.2	4.2	4.3	4.2	4.4	5.3	5.5	5.9	5.9	5.9	6.0	5.8	5.9	6.0	6.1	6.0	6.6	6.3	6.5	6.4	6.3	5.2	4.8
3	25	4.4	4.1	4.2	4.3	4.4	5.9	6.4	6.6	6.2	6.2	6.0	6.0	6.2	6.2	6.3	6.3	6.4	6.4	6.5	6.6	6.5	6.3	5.2	4.7
3	26	4.5	4.4	4.3	4.3	4.5	4.9	6.1	6.2	5.8	5.7	5.7	5.8	5.8	5.9	5.9	6.5	6.5	6.5	6.6	6.7	6.6	6.4	5.4	5.0
3	27	4.5	4.3	4.3	4.3	4.4	4.8	6.1	6.1	6.1	6.1	6.2	6.2	6.3	5.9	6.0	6.1	6.1	6.6	6.7	6.7	6.6	6.4	5.5	5.0
3	28	4.6	3.1	3.1	3.1	4.5	5.0	6.0	6.1	6.2	6.2	6.2	6.3	6.4	6.5	6.6	6.6	6.6	6.6	6.7	6.8	6.7	6.5	5.5	5.1

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
3	29	4.4	4.5	4.4	4.4	4.5	4.7	5.6	5.7	6.1	6.2	6.0	6.4	6.5	6.6	6.7	6.4	6.7	6.7	6.8	6.9	6.8	6.1	5.2	4.9
3	30	4.7	4.5	4.4	4.4	4.4	4.7	5.4	5.5	5.8	6.1	6.3	6.4	6.5	6.6	6.6	6.6	6.7	6.7	6.9	6.9	6.8	6.1	5.2	4.8
3	31	4.6	4.4	4.4	4.3	4.4	4.6	5.5	5.5	5.6	5.7	5.8	5.9	6.0	6.2	6.2	6.2	6.7	6.7	6.7	6.8	6.7	6.0	5.1	4.8
4	1	4.7	4.4	4.4	4.4	4.6	5.6	6.2	6.0	5.8	6.1	6.4	6.4	6.5	6.6	6.7	6.3	6.4	6.7	6.7	6.8	6.7	6.5	5.4	5.1
4	2	4.7	4.4	4.4	4.4	4.6	4.6	6.1	6.1	6.3	6.1	6.2	6.2	6.3	6.0	6.2	6.2	6.2	6.7	7.0	7.0	7.0	6.7	5.5	5.0
4	3	4.6	4.5	4.4	4.4	4.3	4.5	6.1	6.3	5.5	5.5	6.1	6.2	5.9	6.6	6.7	6.9	7.0	7.0	7.0	7.0	6.6	6.4	5.5	5.0
4	4	4.8	4.5	4.4	4.4	4.5	4.6	6.2	6.1	6.1	6.1	6.4	6.2	6.4	6.6	6.6	6.6	6.5	7.0	7.0	7.0	7.0	6.9	5.7	5.3
4	5	4.5	4.4	4.3	4.3	4.3	4.5	5.5	5.6	6.4	6.5	6.7	6.8	6.6	6.7	6.7	7.0	7.0	7.0	7.0	7.0	7.0	6.5	5.3	4.9
4	6	4.8	4.6	4.4	4.4	4.4	4.4	5.5	5.7	5.5	6.0	6.1	6.4	6.5	6.3	6.3	6.7	6.6	7.0	6.6	7.0	7.0	6.8	5.2	4.8
4	7	4.5	4.4	4.3	4.3	4.3	4.4	5.2	5.4	6.0	6.1	6.3	6.0	6.1	6.3	6.4	6.5	6.6	6.7	7.0	7.0	6.9	6.6	5.2	4.8
4	8	4.5	4.4	4.3	4.3	4.3	4.5	6.0	6.0	6.1	6.2	6.5	6.5	6.6	6.2	6.4	6.4	6.5	6.3	6.3	6.5	6.7	6.5	5.3	4.8
4	9	4.5	4.4	4.3	4.2	4.5	4.7	6.4	6.3	6.5	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.8	6.8	7.0	7.0	6.8	5.0	4.7
4	10	4.4	4.3	4.3	4.3	4.3	4.5	6.4	6.4	6.5	6.4	6.5	6.5	6.1	6.1	6.2	6.3	6.4	6.6	6.7	6.6	7.0	6.8	4.8	4.4
4	11	4.3	4.3	4.3	4.3	4.3	4.5	6.7	6.7	6.8	6.7	6.9	6.5	6.1	6.1	6.1	6.2	6.7	6.5	6.6	6.6	7.0	7.0	5.5	5.0
4	12	4.6	4.1	4.1	4.2	4.5	4.4	6.1	6.4	6.5	6.6	6.2	6.3	6.3	6.3	6.3	6.3	6.5	6.5	7.0	7.0	7.0	7.0	5.5	5.0
4	13	4.4	4.3	3.3	3.3	3.4	4.3	5.6	6.0	6.3	6.2	6.3	6.5	6.4	6.4	6.4	6.4	6.5	6.5	6.6	7.0	7.0	7.0	5.3	4.8
4	14	4.7	4.5	4.3	4.3	4.3	4.3	5.2	5.5	5.7	6.0	6.4	6.3	6.3	6.1	6.2	6.5	6.6	6.7	6.6	7.0	6.9	6.7	5.7	4.9
4	15	4.4	4.3	4.3	4.3	4.3	4.4	6.2	5.9	6.0	6.5	6.6	6.3	6.2	6.3	6.3	6.8	6.8	6.9	7.0	7.0	7.0	6.8	5.4	4.9
4	16	4.4	4.3	4.3	4.2	4.3	4.5	6.2	6.2	6.3	6.4	6.4	6.5	6.5	6.5	6.6	6.8	6.7	6.9	7.0	7.0	6.8	6.6	5.4	4.9
4	17	4.3	4.2	4.2	4.2	4.3	4.8	6.7	6.5	6.6	6.4	6.4	6.4	6.4	6.0	6.0	6.0	6.2	6.5	7.0	7.0	7.0	6.6	5.0	4.5
4	18	4.3	4.3	4.2	4.2	4.3	4.9	6.5	6.7	6.7	6.0	6.0	6.0	5.9	5.9	5.9	5.9	6.3	6.4	6.4	7.0	7.0	6.9	5.3	4.8
4	19	4.5	4.4	4.4	4.4	4.5	4.7	6.0	6.1	6.6	6.2	6.2	6.3	6.2	6.2	6.3	6.3	6.5	6.8	7.0	7.4	7.3	7.6	5.3	4.9
4	20	4.6	4.5	4.4	4.4	4.4	4.6	5.8	6.0	6.5	6.3	6.4	6.6	6.5	6.6	6.6	6.8	7.0	7.1	8.2	8.3	7.8	7.7	5.5	5.0
4	21	4.6	4.4	4.4	4.4	4.4	4.5	6.3	6.6	6.8	7.4	7.1	7.3	7.4	7.7	7.7	7.8	8.0	7.9	9.0	9.0	9.0	8.9	6.1	5.2
4	22	4.9	4.6	4.6	4.5	4.5	4.7	6.9	7.0	7.1	7.1	7.5	7.8	7.9	7.4	8.3	8.4	8.5	8.6	8.7	8.8	8.6	8.4	6.1	5.1
4	23	4.8	4.7	4.6	4.5	4.6	4.8	5.3	5.4	5.5	5.7	5.7	5.7	5.7	6.6	6.5	6.8	6.8	7.0	7.1	7.8	7.0	6.6	5.8	5.0
4	24	4.6	4.5	4.5	4.4	4.5	4.7	5.8	5.9	6.0	6.2	6.3	6.3	5.4	6.0	6.1	6.2	7.8	7.8	7.8	8.5	7.8	7.3	6.4	5.1
4	25	4.7	4.5	4.4	4.4	4.5	4.8	5.8	6.0	6.1	6.4	6.8	6.7	6.9	7.0	7.8	7.3	7.3	7.3	7.9	7.8	7.6	7.1	5.5	5.2
4	26	4.8	4.6	4.5	4.5	4.5	4.7	5.7	6.1	6.3	6.3	6.5	6.8	6.9	7.6	7.3	7.4	7.8	7.8	8.3	8.1	7.9	7.4	5.9	5.3

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
4	27	4.8	4.6	4.5	4.4	4.4	4.5	5.8	6.0	6.3	6.3	6.7	7.0	7.2	7.6	7.9	8.0	8.0	7.8	7.8	7.7	8.1	7.7	6.0	5.4	
4	28	5.3	4.7	4.6	4.5	4.4	4.4	5.7	5.8	5.8	6.4	6.7	7.0	7.4	8.1	8.1	8.3	8.3	8.9	8.8	8.7	8.6	8.2	6.4	5.9	
4	29	4.8	4.6	4.5	4.5	4.5	4.5	5.4	6.0	5.9	6.7	7.3	7.8	8.3	8.6	8.8	9.0	9.1	9.0	8.9	8.7	8.4	8.0	7.1	6.0	
4	30	5.1	4.9	4.7	4.7	4.7	5.0	5.9	6.0	6.4	7.5	8.0	8.3	8.4	8.5	8.5	8.6	8.7	8.5	8.4	8.4	8.3	7.9	6.7	6.0	
5	1	4.9	4.8	4.7	4.6	4.6	4.7	5.9	6.3	7.6	7.9	7.3	7.6	7.5	7.7	7.9	8.0	8.5	8.0	7.9	7.8	7.7	7.4	6.0	5.3	
5	2	5.2	4.6	4.4	4.4	4.5	4.5	6.0	6.3	6.5	6.6	7.3	7.3	7.4	6.8	6.9	7.1	7.3	7.3	8.0	8.0	7.8	7.4	6.0	5.5	
5	3	4.9	4.9	4.4	4.4	4.6	4.8	6.1	6.2	6.4	6.6	6.9	6.7	6.9	7.4	7.8	8.0	8.3	8.2	8.2	8.1	7.8	7.3	6.0	5.4	
5	4	5.0	4.8	4.5	4.4	4.4	4.5	5.6	5.9	5.9	6.8	7.1	7.4	7.7	8.0	8.3	8.4	8.6	8.6	8.3	8.2	8.0	7.5	6.2	5.3	
5	5	5.0	4.8	4.7	4.6	4.6	4.6	5.5	5.5	5.8	6.6	7.1	6.8	6.9	7.2	7.4	7.5	7.4	7.3	7.1	7.7	7.7	7.3	5.9	5.3	
5	6	4.7	4.7	4.4	4.4	4.5	4.6	5.9	6.1	6.5	6.8	6.5	7.3	7.5	7.7	7.9	7.3	7.3	7.9	7.8	7.9	7.7	7.3	5.8	5.3	
5	7	4.7	4.6	4.5	4.5	4.4	4.5	6.4	6.8	7.1	7.2	7.0	7.2	7.4	7.5	7.8	7.8	7.8	7.8	7.6	7.7	8.4	7.8	5.5	5.0	
5	8	4.8	4.6	4.4	4.4	4.4	4.5	6.8	7.2	6.7	7.0	7.1	7.3	7.6	7.6	7.6	8.2	8.5	8.5	8.5	8.6	8.5	8.4	5.8	5.2	
5	9	4.9	4.7	4.6	4.6	4.5	4.7	7.0	7.1	6.8	7.0	7.3	7.4	7.6	7.6	7.7	8.4	8.4	8.6	8.5	8.6	8.5	8.3	6.0	5.1	
5	10	4.7	4.5	4.5	4.5	4.5	4.6	6.9	7.0	7.3	7.4	7.6	8.1	7.6	7.8	8.2	8.5	8.5	8.6	8.5	8.6	8.4	8.0	5.9	5.4	
5	11	4.9	4.7	4.6	4.6	4.5	4.6	6.0	6.1	6.3	6.7	7.8	8.1	8.2	8.6	8.6	8.4	8.5	8.6	8.5	8.5	8.5	8.5	8.7	6.5	5.9
5	12	5.0	4.8	4.5	4.5	4.6	4.5	5.4	5.6	6.2	6.3	7.4	7.6	8.3	7.3	7.9	8.5	8.5	8.6	8.6	8.6	8.5	8.4	6.6	5.6	
5	13	4.9	4.7	4.6	4.6	4.6	4.6	5.4	5.6	6.2	6.3	7.7	7.9	8.6	8.8	8.9	9.0	9.1	9.1	8.9	8.7	8.6	7.7	6.9	5.9	
5	14	5.5	4.9	4.8	4.7	4.2	4.3	4.9	5.1	5.3	6.6	7.1	7.6	8.4	8.8	9.0	9.1	9.0	8.8	8.7	8.4	8.3	7.7	7.1	6.4	
5	15	5.0	4.9	4.7	4.7	4.2	4.3	5.2	5.7	6.5	6.8	7.3	7.9	8.1	8.4	8.5	8.7	8.7	8.6	8.4	8.2	8.0	7.4	6.5	5.8	
5	16	4.9	4.8	4.3	4.2	4.6	4.7	4.8	5.6	5.9	6.3	7.3	7.2	7.4	8.3	8.4	8.6	8.6	8.5	8.3	8.1	8.0	7.6	6.8	5.4	
5	17	5.0	4.8	4.7	4.7	4.6	4.7	5.7	6.6	7.0	7.2	7.4	7.7	7.6	8.0	8.2	8.4	8.4	7.6	8.1	7.7	7.9	7.6	6.2	5.1	
5	18	4.8	4.7	4.6	4.5	4.5	4.5	5.3	5.6	5.9	6.3	6.7	7.9	7.5	7.9	7.4	7.6	8.4	8.3	7.4	7.2	8.0	6.8	5.8	5.3	
5	19	4.9	4.7	4.6	4.5	4.5	4.5	4.9	5.1	5.5	6.0	6.7	7.3	7.8	8.2	8.5	8.6	8.7	8.7	8.4	8.6	8.6	8.4	5.9	5.2	
5	20	4.8	4.7	4.6	4.6	4.6	4.6	6.1	7.6	6.9	7.4	7.6	7.2	6.7	8.4	8.6	8.3	8.3	8.3	8.2	8.0	7.9	7.6	7.2	5.4	
5	21	4.8	4.6	4.5	4.5	4.5	4.5	5.1	5.4	6.0	6.5	7.0	7.5	6.7	7.1	7.7	8.6	8.6	8.5	8.4	8.1	8.6	7.6	6.6	5.9	
5	22	4.9	4.7	4.7	4.6	4.6	4.6	5.2	5.6	6.8	7.5	7.5	7.9	8.1	8.3	8.5	8.6	8.7	8.6	8.4	8.0	8.0	7.6	7.3	6.2	
5	23	5.1	4.9	4.7	4.6	4.6	4.6	5.1	5.4	5.7	7.0	7.7	8.0	6.9	8.0	8.6	8.8	8.7	8.7	8.7	8.7	7.7	8.4	6.8	6.0	
5	24	4.9	4.7	4.6	4.5	4.5	4.6	5.0	5.4	5.7	6.1	6.5	7.8	7.8	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.1	7.7	
5	25	4.9	4.7	4.6	4.5	4.5	4.5	5.0	5.4	5.8	6.3	6.7	7.9	7.2	8.3	8.4	8.5	8.7	8.5	8.4	8.0	8.7	8.6	6.7	5.9	

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
5	26	4.9	4.7	4.6	4.5	4.5	4.5	5.2	5.7	6.1	6.5	6.9	7.1	7.8	8.1	8.4	8.1	8.7	8.7	8.6	8.3	8.2	8.4	6.5	5.8
5	27	4.9	4.7	4.6	4.5	4.5	4.5	4.2	4.2	4.5	4.9	6.0	6.3	6.4	6.7	8.7	8.7	7.6	7.4	7.2	6.9	6.7	6.6	6.0	5.6
5	28	4.7	4.6	4.6	4.6	4.6	4.4	5.9	6.2	5.8	6.5	6.6	6.6	6.8	7.0	7.5	7.7	7.7	7.7	7.6	7.3	7.3	7.3	6.4	6.0
5	29	5.6	5.2	5.1	4.7	4.7	4.8	6.1	6.3	6.6	6.9	7.3	7.8	7.9	8.0	8.0	8.2	8.2	8.3	8.2	8.1	8.1	7.8	6.8	6.4
5	30	4.4	4.2	4.1	4.1	4.1	4.1	4.2	4.5	4.8	5.2	5.6	5.9	6.1	6.4	6.6	6.7	6.8	6.7	6.5	6.3	6.1	5.7	5.3	4.9
5	31	4.5	4.4	4.3	4.2	4.2	4.1	5.7	6.1	5.6	7.0	6.5	6.8	7.1	7.3	7.5	7.7	7.7	7.6	7.4	7.1	6.8	6.4	6.0	6.0
6	1	6.3	6.0	5.6	5.4	5.3	5.3	5.3	5.8	6.5	7.4	8.3	9.3	8.6	9.0	9.2	9.6	9.7	9.6	9.2	8.7	9.3	8.5	8.1	7.3
6	2	6.2	5.7	5.5	5.4	5.3	5.2	5.5	6.1	7.2	8.4	9.0	9.4	10.0	10.3	10.5	10.7	10.7	10.7	10.5	10.0	9.6	9.3	8.1	7.5
6	3	6.6	6.1	5.8	5.6	5.5	5.6	5.6	6.2	7.0	8.3	9.0	9.5	8.8	9.2	9.5	9.7	9.8	9.7	9.4	8.8	9.4	8.7	7.8	7.0
6	4	6.1	5.8	5.6	5.5	5.5	5.5	5.6	6.2	7.0	8.2	9.2	9.5	8.5	9.0	9.5	9.8	9.9	9.8	9.3	8.5	9.5	9.0	8.3	7.4
6	5	6.8	5.9	5.7	5.6	5.5	5.8	5.8	6.5	7.1	8.1	9.1	9.5	8.7	9.3	9.8	10.1	10.1	10.1	9.7	8.9	9.1	8.4	7.9	7.2
6	6	6.2	5.9	5.7	5.6	5.6	5.6	5.6	6.2	7.1	8.2	9.1	9.5	9.1	9.8	10.3	10.4	10.6	10.5	10.2	9.6	9.8	9.2	8.4	7.7
6	7	6.7	6.3	6.0	5.9	5.8	5.8	5.9	6.6	7.7	8.4	9.4	9.9	9.5	10.1	10.8	10.8	10.7	10.6	10.4	9.8	9.9	9.3	9.0	7.5
6	8	6.7	6.4	6.1	5.9	5.8	5.7	5.7	6.2	7.5	8.8	9.3	9.9	9.3	10.0	10.4	10.7	10.8	10.6	10.2	9.4	9.9	9.2	9.1	8.0
6	9	7.4	7.0	6.2	6.0	5.9	5.7	6.0	6.7	8.2	9.1	9.5	9.4	9.9	10.4	10.8	10.9	10.9	10.8	10.3	10.1	9.6	9.5	8.4	7.7
6	10	6.5	6.2	5.9	5.8	5.8	5.8	6.9	7.2	8.2	9.7	10.4	10.9	10.7	11.1	11.4	11.6	11.7	11.6	11.2	10.6	10.9	10.5	8.9	7.6
6	11	7.4	6.7	6.6	6.4	6.4	6.4	5.9	7.7	8.5	9.1	9.6	10.0	9.7	10.1	10.4	10.6	10.5	10.4	10.1	9.6	10.0	9.5	8.4	7.7
6	12	7.2	6.8	6.4	6.2	6.2	6.2	5.8	7.7	8.4	9.0	9.7	10.1	9.1	9.7	10.3	10.6	10.5	10.4	10.0	9.2	10.1	9.7	8.8	8.1
6	13	7.6	7.2	6.9	6.6	6.5	6.6	6.2	7.1	8.5	9.3	9.7	10.1	9.1	9.7	10.2	10.6	10.7	10.6	10.1	9.2	10.0	9.6	8.9	7.8
6	14	7.6	7.1	6.6	6.4	6.4	6.4	6.0	6.8	7.8	8.8	9.5	10.0	9.3	9.7	9.8	9.9	9.8	9.6	9.3	8.5	9.4	9.1	8.2	7.5
6	15	7.1	6.7	6.4	6.4	6.3	6.3	5.7	6.1	7.1	8.4	9.2	9.7	9.3	9.6	9.6	9.4	9.1	9.0	8.7	8.3	9.1	8.5	8.1	7.3
6	16	6.8	6.5	6.3	6.1	6.0	5.9	5.6	6.0	6.7	8.1	9.1	9.7	9.9	10.2	10.4	10.5	10.5	10.5	10.1	9.6	9.6	9.2	7.8	7.2
6	17	6.7	6.4	6.1	5.9	5.9	5.9	5.6	6.1	6.9	8.4	9.2	9.7	8.7	9.3	9.9	10.2	10.3	10.3	9.9	9.0	9.6	9.1	8.0	7.2
6	18	6.2	5.9	5.6	5.5	5.5	5.5	5.6	6.2	7.1	8.3	9.2	9.5	8.9	9.6	9.7	10.1	10.2	10.2	9.9	8.9	9.6	9.2	8.5	7.6
6	19	6.5	6.1	5.9	5.8	6.1	6.1	5.8	6.3	7.9	8.6	9.2	9.7	8.6	9.2	9.7	10.0	10.2	10.1	9.8	8.8	9.7	8.8	7.8	6.9
6	20	6.3	5.9	5.7	5.6	5.5	5.5	5.6	6.1	7.1	8.2	8.6	9.6	8.7	9.0	9.4	9.9	10.0	9.9	9.6	8.9	9.7	9.1	8.5	7.6
6	21	7.1	6.6	6.2	6.0	6.0	6.1	5.7	6.2	7.3	8.5	9.3	9.7	8.8	9.3	9.5	9.8	9.8	9.6	9.0	8.4	9.5	9.1	8.5	7.6
6	22	7.0	6.6	6.3	6.1	6.0	6.0	5.5	6.1	7.1	8.2	9.3	9.6	8.6	9.1	9.4	9.7	9.9	9.8	9.5	8.6	9.5	9.0	8.5	7.7
6	23	7.0	6.6	6.2	6.0	6.0	5.9	5.7	6.2	7.1	8.1	8.8	9.5	10.0	10.1	10.0	10.1	10.1	10.3	9.8	9.9	9.9	8.9	8.4	7.6

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
6	24	7.0	6.7	6.4	6.2	6.2	6.2	5.8	6.3	7.1	7.9	8.8	9.5	8.6	9.3	9.4	9.5	9.6	9.6	9.1	8.5	9.3	8.5	8.8	7.5
6	25	6.9	6.6	6.3	6.1	6.1	6.2	6.4	7.1	7.9	8.9	9.2	9.6	8.5	8.8	9.4	9.9	10.0	10.1	9.7	8.9	9.7	9.3	8.3	7.5
6	26	7.1	6.7	6.4	6.2	6.2	6.3	6.0	6.6	7.6	8.6	9.3	9.9	9.1	10.1	10.4	10.7	10.9	10.8	10.5	9.8	10.1	9.4	8.8	8.0
6	27	7.5	7.1	6.8	6.4	6.4	6.4	7.4	7.8	8.5	9.4	10.6	11.2	10.7	11.6	12.0	12.0	11.9	11.9	11.8	11.4	11.5	10.7	8.6	8.3
6	28	7.9	7.4	7.1	6.8	6.8	6.8	7.4	7.9	8.6	9.7	10.8	11.6	11.6	12.1	12.3	12.3	12.4	12.4	12.2	11.5	11.8	11.1	9.6	8.8
6	29	8.2	7.8	7.5	7.3	7.1	7.1	7.4	7.9	8.6	9.8	11.0	11.8	11.7	12.3	12.5	12.5	12.4	12.4	12.3	11.8	12.1	11.4	10.1	9.3
6	30	8.6	8.1	7.8	7.6	7.0	7.0	7.9	8.4	9.3	10.4	11.2	11.8	12.2	12.6	12.8	12.9	12.9	12.9	12.6	12.1	11.7	11.0	9.3	8.7
7	1	8.4	8.1	7.8	7.6	7.5	7.6	8.8	9.2	10.1	11.1	11.2	12.3	12.2	12.6	12.5	12.7	12.7	12.5	12.3	11.6	11.9	10.9	9.4	8.7
7	2	8.0	7.3	6.8	6.6	6.6	6.6	8.4	8.9	9.5	10.2	11.2	11.7	11.4	11.9	12.4	12.7	12.8	12.8	12.4	11.9	11.8	11.1	9.0	8.3
7	3	7.3	7.1	6.7	6.6	6.5	6.5	8.1	8.5	9.7	10.1	10.7	11.5	11.6	12.0	12.5	12.5	12.5	12.4	12.3	11.9	12.0	11.1	9.3	8.4
7	4	7.9	7.3	7.0	6.7	6.3	6.3	7.5	7.9	8.9	9.5	10.3	11.1	11.5	11.8	12.3	12.5	12.5	12.4	12.2	11.7	11.0	10.4	9.1	7.8
7	5	7.7	7.1	6.8	6.6	6.5	6.5	8.1	8.6	9.6	10.3	11.2	12.0	11.7	11.5	11.4	11.4	11.3	10.5	10.5	10.2	10.3	10.4	8.5	7.9
7	6	7.5	6.6	6.4	6.5	6.1	6.3	7.6	8.0	8.8	9.8	10.3	11.1	11.0	11.6	12.0	12.1	12.0	11.7	11.4	11.0	11.0	10.2	8.7	8.1
7	7	7.4	7.1	6.6	6.4	6.2	6.1	7.2	7.7	8.9	9.4	10.6	11.6	12.1	12.3	12.5	12.6	12.3	11.9	11.3	10.7	10.1	9.6	8.5	7.5
7	8	6.8	6.4	6.2	6.0	6.0	6.0	7.6	8.1	8.8	9.7	10.6	11.6	11.6	12.1	12.4	12.7	12.6	12.3	11.9	11.4	11.6	10.9	8.7	8.0
7	9	7.4	6.9	6.5	6.3	6.2	6.3	7.7	9.3	9.2	10.0	10.6	11.2	11.2	11.8	12.2	12.5	12.6	12.2	11.6	11.0	11.2	10.1	8.3	7.6
7	10	6.9	6.8	6.2	6.1	6.1	6.3	7.8	8.2	8.9	9.7	10.1	10.7	10.5	10.7	11.0	11.1	11.2	11.3	11.0	10.0	10.4	9.9	8.2	7.2
7	11	7.1	6.7	6.3	6.1	6.1	6.2	7.2	7.9	8.5	9.0	9.6	10.4	9.8	9.8	9.6	9.7	9.3	9.2	9.2	9.1	10.0	9.3	8.0	7.1
7	12	6.7	6.1	5.9	5.7	5.6	5.7	5.8	6.9	7.4	7.6	8.3	8.9	9.0	9.2	8.7	8.9	9.3	9.3	8.5	8.3	8.8	8.2	8.0	7.0
7	13	6.5	5.9	5.6	5.5	5.4	5.4	5.4	6.1	6.9	7.7	8.8	9.4	9.1	9.5	9.7	9.8	9.6	9.4	8.2	8.2	8.9	8.6	8.2	7.3
7	14	6.1	5.8	5.6	5.4	5.4	5.3	6.5	6.9	7.9	9.2	10.1	10.8	11.1	11.7	11.9	12.1	11.9	11.6	11.0	10.6	10.5	10.0	8.2	7.5
7	15	6.7	6.4	6.0	5.9	5.8	6.0	8.6	8.9	9.6	9.9	10.6	11.6	11.3	11.5	11.6	11.7	11.7	11.6	11.3	11.0	11.1	10.5	8.2	7.5
7	16	6.6	6.2	5.9	5.8	5.7	5.8	7.5	8.4	8.9	9.0	9.7	10.1	10.1	10.6	10.7	10.4	10.3	10.1	9.6	9.1	9.3	8.8	6.8	6.1
7	17	5.8	5.5	5.4	5.3	5.3	5.4	5.5	6.0	7.0	7.7	8.3	9.0	8.9	9.5	9.7	9.8	9.8	9.7	9.6	9.2	9.1	8.3	7.7	7.0
7	18	6.2	5.8	5.5	5.4	5.3	5.4	7.0	7.5	8.3	9.3	9.7	10.2	10.5	10.7	10.9	11.0	11.1	11.0	10.7	10.4	10.2	9.7	7.9	7.1
7	19	6.5	6.2	6.0	5.9	6.0	6.0	7.1	7.5	8.4	9.3	9.9	10.3	10.5	10.7	10.9	10.9	10.9	10.7	10.6	9.7	9.9	9.8	8.3	7.5
7	20	6.9	6.5	6.3	5.9	5.8	6.0	7.2	7.5	8.0	8.6	9.3	9.9	9.1	9.8	10.1	10.3	10.3	9.6	9.2	9.0	9.1	8.9	7.5	7.1
7	21	6.3	6.1	5.8	5.7	5.7	5.7	6.7	7.0	7.5	8.3	8.9	9.2	9.3	9.4	9.5	9.5	9.5	9.5	9.3	9.1	9.0	8.3	7.1	6.5
7	22	6.0	5.7	5.5	5.5	5.5	5.6	7.1	7.4	8.7	8.6	9.2	10.0	9.8	10.1	10.2	10.4	10.4	10.2	9.6	9.3	9.5	9.3	7.7	7.0

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
7	23	6.2	5.9	5.8	5.7	5.7	5.9	7.3	7.7	8.3	9.1	9.5	10.3	10.3	10.5	10.8	11.0	10.9	10.7	10.3	10.0	10.0	9.4	8.0	7.3
7	24	6.3	6.0	5.8	5.7	5.7	5.8	7.2	7.7	8.1	9.1	9.6	10.2	10.5	10.8	11.0	11.1	11.2	11.1	11.0	10.5	10.2	9.7	8.3	7.6
7	25	6.6	6.3	6.1	6.0	6.0	6.1	7.7	8.7	8.7	9.2	9.8	10.4	10.5	10.7	10.8	10.9	11.0	10.8	10.0	9.6	9.6	9.2	7.6	6.9
7	26	6.8	6.4	6.1	5.9	6.0	6.0	8.7	8.7	8.5	9.3	10.0	10.6	10.5	10.4	10.3	10.2	10.1	10.1	9.2	8.8	9.4	8.8	7.1	6.6
7	27	6.2	6.0	5.9	5.8	5.8	5.8	7.0	7.4	8.0	8.8	9.4	10.2	10.2	10.4	10.5	10.5	10.1	10.0	9.7	9.3	9.2	9.1	7.6	6.6
7	28	6.2	6.0	5.8	5.6	5.6	5.5	6.3	6.7	7.3	8.1	8.6	9.3	9.5	9.7	9.8	9.8	9.9	9.8	9.6	9.4	9.2	8.7	7.7	7.1
7	29	6.3	5.8	5.6	5.5	5.5	5.6	6.8	7.4	8.1	9.0	9.7	10.2	9.5	10.2	10.7	10.9	11.0	10.9	10.6	9.9	10.4	9.8	8.9	7.1
7	30	6.5	6.0	5.8	5.6	5.7	5.8	6.8	7.3	8.0	9.3	9.9	10.5	10.3	10.6	10.9	11.1	10.9	11.2	10.9	10.4	10.7	10.2	8.4	7.7
7	31	7.1	6.6	6.2	6.0	6.0	6.4	7.1	7.6	8.7	9.6	10.3	10.5	10.7	11.0	11.1	11.4	11.5	11.3	10.8	10.4	10.6	9.9	8.4	7.5
8	1	6.9	6.6	6.5	6.4	6.3	6.5	7.3	7.7	8.7	9.8	10.0	10.2	10.0	10.3	10.5	10.7	10.6	10.5	10.2	9.8	10.2	9.0	7.5	7.1
8	2	6.4	6.1	5.9	5.8	5.8	5.9	6.0	6.7	7.5	8.5	9.1	9.4	9.0	9.2	9.3	9.2	8.9	8.7	8.6	8.1	8.9	8.3	7.9	7.0
8	3	6.3	6.0	5.8	5.7	5.6	5.6	5.6	6.1	7.0	8.0	8.8	9.3	9.0	9.4	9.8	9.9	9.9	9.7	9.4	9.1	9.3	9.0	8.3	7.7
8	4	6.9	6.3	6.1	6.0	5.9	5.9	6.0	6.7	7.8	8.6	9.1	9.5	9.9	10.3	10.6	10.9	11.0	10.9	10.6	10.1	9.7	9.2	8.2	7.5
8	5	6.5	6.1	5.9	5.8	5.8	5.9	6.9	7.3	7.7	9.1	9.3	9.6	9.6	9.9	10.2	10.2	10.6	10.1	9.8	9.3	9.6	8.9	7.6	6.8
8	6	6.3	6.0	5.8	5.7	5.7	5.7	6.1	6.5	7.8	7.7	8.4	8.8	8.3	8.5	8.3	8.3	8.7	8.3	8.0	7.6	8.0	7.8	6.8	6.2
8	7	5.8	5.7	5.5	5.4	5.4	5.5	6.1	6.5	6.9	7.5	8.4	8.7	8.5	8.8	9.1	9.2	9.2	9.3	9.1	8.6	8.8	8.5	7.3	6.5
8	8	5.7	5.5	5.3	5.2	5.2	5.3	6.0	6.5	7.3	8.1	8.7	9.0	8.8	9.1	9.4	9.6	9.7	9.7	9.2	8.8	9.1	8.8	7.6	6.8
8	9	6.1	5.8	5.6	5.4	5.4	5.5	6.1	6.7	7.3	8.4	8.9	9.3	8.8	9.4	9.7	9.9	10.0	9.8	9.3	8.9	9.2	8.9	8.0	7.3
8	10	6.3	5.9	5.7	5.6	5.5	5.5	6.0	6.5	7.1	8.3	8.9	9.2	8.9	9.2	9.5	9.6	9.5	9.4	9.0	8.7	9.1	8.9	8.1	7.3
8	11	6.2	5.9	5.7	5.6	5.5	5.4	5.7	6.0	6.8	8.2	9.1	9.5	9.5	10.0	10.3	10.5	10.4	10.3	9.9	9.4	9.4	8.8	7.6	6.7
8	12	6.0	5.7	5.5	5.4	5.5	5.6	5.6	6.2	6.9	8.1	9.1	9.6	9.2	9.7	9.9	9.8	9.8	9.7	9.4	9.0	9.4	9.1	7.9	7.2
8	13	6.6	6.1	5.7	5.6	5.6	5.7	7.3	7.7	8.4	9.3	10.1	10.5	9.9	10.7	11.1	11.0	11.1	11.0	10.7	10.3	10.7	10.3	8.1	7.3
8	14	6.4	6.0	5.8	5.7	5.7	5.9	6.9	7.4	8.2	9.6	10.0	10.8	10.3	11.0	11.1	10.9	10.8	10.7	10.5	10.2	10.3	9.8	8.2	7.4
8	15	6.4	6.2	6.0	5.9	5.9	6.0	7.2	7.7	8.8	9.3	10.2	10.8	10.6	11.1	11.1	11.3	11.5	11.4	11.3	10.9	11.1	10.4	8.8	8.3
8	16	6.9	6.6	6.4	6.3	6.2	6.3	7.5	7.9	9.1	9.8	10.8	11.6	11.4	11.7	11.8	11.9	12.0	11.8	11.4	10.9	11.2	10.5	9.2	8.5
8	17	7.5	7.1	6.9	6.5	6.3	6.3	7.2	7.7	9.0	9.8	10.8	11.5	11.3	11.8	11.7	11.8	11.8	11.7	11.4	10.8	11.2	10.5	9.2	8.2
8	18	7.4	6.9	6.7	6.4	6.4	6.4	6.5	7.4	8.7	9.2	9.8	10.5	10.8	11.1	11.2	11.2	11.2	11.0	10.0	9.5	9.7	9.0	7.8	7.1
8	19	6.4	6.4	6.1	6.0	6.1	6.2	7.0	7.6	8.3	8.9	9.4	9.8	9.5	9.9	10.2	10.2	10.0	9.8	9.4	9.1	9.6	9.2	8.3	7.6
8	20	7.1	6.7	6.5	6.2	6.2	6.5	7.4	8.0	9.0	9.6	10.5	11.2	11.0	11.3	11.5	11.4	11.1	10.9	10.0	9.7	9.9	9.9	7.7	7.0

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
8	21	6.5	6.3	6.1	6.0	6.2	7.2	7.6	8.4	9.4	9.8	10.5	9.9	10.4	10.7	11.1	11.3	11.0	10.6	10.1	10.8	9.7	8.5	7.5	7.5	
8	22	6.9	6.6	6.4	6.3	6.5	7.5	7.8	8.5	9.4	9.9	10.4	10.1	10.8	11.1	11.1	11.1	10.9	10.4	9.7	10.3	9.5	7.7	7.2	7.2	
8	23	6.5	6.2	6.0	5.9	5.9	6.1	6.8	7.3	8.2	8.7	9.2	9.5	9.0	9.4	9.6	9.8	9.5	9.0	8.4	8.1	9.2	8.9	7.6	6.9	6.9
8	24	6.4	6.1	5.9	5.8	5.8	5.9	6.6	6.5	7.1	7.7	7.9	8.1	7.6	8.0	8.2	8.2	7.7	7.5	7.1	7.1	8.1	7.5	6.5	5.9	5.9
8	25	5.6	5.4	5.3	5.2	5.2	5.3	6.0	6.3	6.7	7.7	8.5	9.1	9.3	9.5	9.4	9.2	9.2	9.1	8.7	9.1	9.0	7.9	6.1	5.5	5.5
8	26	5.3	5.2	5.1	5.1	5.2	5.4	6.6	6.9	7.4	7.4	7.8	8.1	8.5	8.8	8.7	9.0	9.1	9.0	8.8	8.7	9.2	8.7	6.9	6.2	6.2
8	27	5.9	5.6	5.5	5.4	5.3	5.7	8.1	8.4	8.8	9.1	9.4	10.1	9.8	10.0	10.2	10.5	10.6	10.5	10.1	10.0	10.4	9.8	8.0	7.1	7.1
8	28	6.3	6.0	5.9	5.8	5.8	6.3	8.3	8.7	8.7	9.1	9.6	10.1	9.9	10.2	10.4	10.5	10.5	10.4	10.1	9.9	9.7	9.5	8.1	7.5	7.5
8	29	6.7	6.6	6.2	6.1	6.1	6.6	7.8	8.0	8.1	8.2	8.6	8.9	8.9	9.1	9.2	9.3	9.2	9.2	8.9	8.8	8.7	8.5	6.7	6.1	6.1
8	30	5.5	5.3	5.3	5.2	5.2	5.6	6.4	6.8	7.1	8.0	8.3	8.7	8.7	8.8	8.9	9.0	9.1	9.0	8.7	8.7	8.7	8.4	7.3	6.6	6.6
8	31	6.0	5.7	5.6	5.3	5.3	5.5	6.0	6.3	6.8	7.5	8.4	8.7	8.7	9.0	9.2	9.3	9.1	8.9	8.7	8.7	8.7	8.7	7.5	6.9	6.9
9	1	5.6	5.4	5.1	4.9	5.0	5.1	5.2	5.5	6.2	6.9	7.7	8.3	9.2	9.5	9.6	9.8	9.9	9.8	9.3	8.9	8.6	8.3	7.9	6.8	6.8
9	2	6.3	5.9	5.5	5.4	5.4	5.3	5.4	5.9	6.7	7.6	8.6	9.3	9.7	10.2	10.4	10.4	10.5	10.3	10.0	9.8	9.3	8.7	8.0	7.0	7.0
9	3	6.6	6.2	6.0	5.9	5.5	5.7	7.0	7.5	8.2	9.0	9.9	10.3	10.1	10.5	10.7	10.8	10.7	10.5	10.1	9.8	9.6	9.0	7.8	6.5	6.5
9	4	5.9	5.7	5.6	5.5	5.5	5.7	7.0	7.2	7.8	8.7	9.8	10.3	10.3	10.8	11.0	10.9	10.7	10.6	10.2	10.0	10.4	9.3	7.6	7.1	7.1
9	5	6.0	5.8	5.6	5.5	5.6	5.7	7.0	7.4	8.4	9.3	9.8	10.5	10.5	10.9	10.9	10.9	10.9	10.8	10.5	10.2	10.3	9.9	7.9	7.0	7.0
9	6	6.2	5.9	5.7	5.6	5.6	5.8	7.0	7.4	8.4	9.0	10.0	10.5	10.3	10.5	10.4	10.4	10.3	10.0	9.5	9.5	9.4	8.8	7.4	6.6	6.6
9	7	6.1	5.8	5.6	5.5	5.5	5.6	6.7	7.0	7.1	7.5	7.9	8.3	8.1	8.5	9.0	9.0	9.1	8.5	8.1	7.9	7.9	7.4	6.4	5.8	5.8
9	8	5.2	5.0	4.9	5.0	5.0	5.0	5.4	5.3	5.8	6.4	6.8	7.3	7.5	7.9	8.2	8.5	8.4	8.0	7.7	7.5	8.7	8.2	7.6	5.2	5.2
9	9	4.9	4.7	4.6	4.6	4.6	4.9	6.2	6.5	6.3	6.7	7.2	7.6	7.1	6.8	6.9	6.8	6.6	6.7	6.8	6.9	7.0	6.6	5.5	4.9	4.9
9	10	4.4	4.3	4.2	4.2	4.3	4.5	5.2	5.3	5.4	5.7	6.0	6.2	8.1	8.3	8.4	8.5	8.6	8.4	8.2	8.3	8.4	8.0	5.6	5.1	5.1
9	11	4.5	4.3	4.0	4.0	4.3	4.6	6.4	6.6	6.2	6.5	6.7	6.9	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	6.7	5.5	4.9	4.9
9	12	4.6	4.5	4.4	4.3	4.4	4.6	6.2	6.2	6.2	6.6	7.1	7.3	7.1	7.3	7.6	7.8	7.8	7.5	7.2	7.5	7.8	7.4	6.3	6.1	6.1
9	13	5.2	5.0	4.9	4.7	4.6	4.8	6.2	6.4	6.4	6.7	7.2	7.6	7.5	7.9	8.1	8.3	8.4	8.1	7.6	7.4	7.7	7.5	6.3	5.8	5.8
9	14	5.1	4.9	4.7	4.6	4.6	4.7	5.9	6.3	6.8	7.1	7.6	8.1	7.8	8.3	8.6	8.7	8.7	8.5	8.0	7.6	7.6	6.7	6.4	5.9	5.9
9	15	5.2	5.0	4.8	4.7	4.6	4.7	5.3	5.6	6.2	7.0	7.9	8.7	8.9	9.1	9.5	9.6	9.6	9.4	9.0	8.9	8.7	8.4	7.0	6.4	6.4
9	16	5.2	5.0	4.8	4.7	4.8	4.9	6.1	5.3	5.8	6.4	7.0	7.7	8.2	8.7	9.0	9.1	9.1	8.8	8.4	8.1	7.5	6.8	6.1	5.5	5.5
9	17	4.8	4.6	4.4	4.4	4.4	4.9	5.1	5.4	5.8	6.4	7.1	7.7	8.2	8.7	9.0	9.2	9.2	8.9	8.9	8.4	7.8	7.1	6.4	5.8	5.8
9	18	5.4	5.2	5.0	4.9	4.9	5.1	5.4	5.4	5.8	6.3	6.9	7.4	7.9	8.2	8.5	8.7	8.8	8.6	8.1	7.9	7.4	6.8	6.1	5.5	5.5

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
9	19	5.2	4.8	4.6	4.5	4.7	4.9	5.3	5.6	6.2	6.6	7.2	7.6	8.1	8.5	8.9	9.1	9.2	9.0	8.5	8.1	7.6	7.4	6.6	5.9
9	20	5.2	5.0	4.8	4.7	4.8	5.0	5.4	5.8	6.5	6.8	7.9	8.2	8.3	8.6	8.7	8.6	8.4	7.8	8.3	7.5	6.9	6.3	6.0	5.6
9	21	4.9	4.7	4.7	4.6	4.6	4.7	4.8	5.1	5.5	6.2	7.3	8.1	8.0	8.3	8.6	8.7	8.7	8.5	8.3	8.2	7.5	6.9	6.6	5.9
9	22	5.2	5.0	4.8	4.7	4.7	4.7	4.8	5.0	5.4	6.4	7.1	7.6	7.7	7.9	8.4	8.7	8.5	8.3	7.8	7.7	7.1	6.4	5.5	4.9
9	23	4.6	4.4	4.3	4.2	4.3	4.5	4.7	4.8	5.1	5.5	5.8	6.5	6.8	7.3	7.7	8.2	8.2	8.3	7.8	7.4	7.1	6.2	5.6	5.1
9	24	4.6	4.5	4.4	4.3	4.4	4.6	5.4	5.5	5.7	6.0	6.5	6.9	7.4	8.0	8.6	9.1	9.2	9.1	8.8	8.4	7.8	6.7	5.8	5.2
9	25	4.9	4.7	4.5	4.5	4.5	4.8	5.7	6.0	6.3	6.8	7.3	7.8	7.8	8.5	8.8	8.9	9.0	8.9	8.6	8.2	7.9	7.3	5.9	5.3
9	26	4.9	4.7	4.5	4.5	4.5	4.7	6.3	6.4	6.6	6.9	7.4	7.9	7.8	8.2	8.4	8.6	8.5	8.4	8.2	8.1	8.0	7.5	5.6	5.0
9	27	4.5	4.4	4.3	4.2	4.3	4.6	5.1	5.3	5.5	6.2	6.6	6.3	7.9	7.5	7.4	7.5	7.7	7.4	7.3	7.3	5.7	5.6	5.0	4.7
9	28	4.4	4.3	4.2	4.2	4.2	4.3	5.0	5.2	5.4	5.8	5.8	6.0	7.5	7.8	8.1	8.1	8.5	8.5	8.4	8.3	7.3	6.5	5.3	4.8
9	29	4.4	4.3	4.2	4.1	4.2	4.2	4.9	5.1	5.3	6.0	6.1	6.4	7.1	7.5	8.3	8.6	8.7	8.6	8.5	8.7	7.2	6.6	5.3	4.8
9	30	4.4	4.3	4.2	4.2	4.2	4.4	6.2	6.3	6.5	7.2	7.3	7.3	7.4	8.4	8.4	8.6	8.6	8.4	8.6	8.4	8.4	7.7	5.8	5.2
10	1	4.5	4.3	4.2	4.2	4.3	4.5	7.5	7.6	7.0	7.3	7.8	8.2	7.7	7.9	8.0	8.2	8.5	8.5	8.4	8.2	8.3	8.1	5.6	4.9
10	2	4.5	4.4	4.3	4.3	4.3	4.5	6.6	7.4	7.5	7.8	7.7	8.1	7.8	8.1	8.4	8.5	8.5	8.5	8.4	8.1	8.3	8.0	5.6	4.9
10	3	4.6	4.5	4.4	4.3	4.4	4.6	7.2	7.4	7.6	7.6	7.8	8.0	7.7	8.0	8.2	8.3	8.4	8.4	8.2	8.1	8.3	8.2	5.6	4.9
10	4	4.6	4.4	4.3	4.3	4.3	4.5	6.7	6.7	7.0	7.3	7.7	7.9	7.5	8.0	8.1	8.5	8.2	8.1	7.9	7.8	8.0	7.4	5.1	4.7
10	5	4.4	4.3	4.2	4.2	4.2	4.3	6.4	6.5	6.6	6.8	7.0	7.2	6.9	7.1	7.3	7.6	7.5	7.5	7.5	7.5	7.4	7.0	4.8	4.5
10	6	4.3	4.2	4.2	4.1	4.1	4.2	6.2	6.3	6.5	6.8	7.0	7.2	7.4	7.7	8.0	8.4	8.5	8.5	8.5	8.4	8.3	7.4	5.7	4.7
10	7	4.2	4.1	4.0	4.0	4.1	4.3	6.5	6.7	6.9	7.2	7.4	7.6	8.1	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.3	7.8	5.3	4.7
10	8	4.3	4.2	4.1	4.1	4.2	4.4	7.1	7.2	7.3	7.3	7.5	8.0	7.9	8.1	8.2	8.3	8.3	8.5	8.5	8.4	8.3	8.1	5.3	4.7
10	9	4.4	4.2	4.1	4.1	4.2	4.6	7.6	7.6	7.8	7.9	8.0	8.1	7.9	8.1	8.2	8.2	8.3	8.3	8.3	8.2	8.3	8.2	5.3	4.7
10	10	4.4	4.2	4.1	4.1	4.2	4.4	7.6	5.3	5.4	4.8	4.8	5.3	5.4	5.5	5.9	6.2	6.4	5.2	5.3	6.1	5.9	5.7	4.5	4.1
10	11	3.9	3.7	3.7	3.6	3.8	4.4	4.1	4.2	4.3	4.3	4.3	4.4	4.4	4.5	4.6	4.7	4.8	4.9	5.0	4.9	4.9	4.6	4.6	4.4
10	12	3.9	3.9	3.8	3.8	3.8	3.9	4.1	4.2	4.3	4.4	4.6	4.6	4.8	4.9	5.0	5.2	5.3	5.4	5.4	5.4	5.1	4.8	4.7	4.4
10	13	4.2	4.0	4.1	4.1	4.1	4.2	6.8	6.9	4.0	4.2	4.4	4.5	4.8	5.0	5.2	5.4	5.5	5.5	5.6	5.4	5.1	4.8	4.5	4.2
10	14	4.0	3.9	3.8	3.8	3.9	4.1	5.3	5.4	4.7	3.9	4.6	4.7	5.1	5.3	5.3	6.2	5.4	5.5	5.7	5.5	5.2	5.7	4.9	4.5
10	15	4.2	4.1	4.1	4.1	4.2	4.4	5.2	5.2	5.1	5.4	5.4	5.5	5.8	5.8	5.9	5.9	5.9	5.9	6.2	6.0	5.6	5.4	4.7	4.2
10	16	3.9	3.8	3.8	3.8	3.9	4.7	5.5	5.5	5.4	5.5	5.0	5.1	5.0	5.3	5.4	5.6	5.9	5.7	6.1	6.0	5.8	5.9	5.5	4.3
10	17	3.9	3.8	3.7	3.7	3.8	5.2	5.5	5.5	5.5	5.5	5.6	5.6	5.7	5.9	5.9	6.0	6.0	6.1	6.2	6.2	6.0	5.7	5.5	5.3

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
10	18	3.9	3.8	3.8	3.8	4.0	4.4	5.6	5.6	5.5	5.4	5.6	5.7	5.8	5.9	5.9	5.9	6.0	6.0	6.1	6.1	5.8	5.6	4.7	4.4	
10	19	4.0	3.9	3.8	3.7	3.8	3.9	5.0	5.1	5.2	5.5	5.5	5.6	5.8	5.9	6.2	7.3	7.3	7.3	7.2	7.2	6.1	6.9	6.7	6.2	
10	20	6.5	4.1	4.0	4.0	4.0	4.1	6.5	6.5	6.5	6.6	6.5	6.6	6.8	6.9	6.9	7.1	7.1	7.3	8.2	7.2	7.0	6.8	6.5	6.1	
10	21	4.0	3.9	3.9	4.0	4.0	4.3	6.6	6.5	6.5	6.6	6.6	6.6	7.3	7.4	7.5	7.9	7.9	7.7	7.7	7.7	7.6	7.4	6.2	4.9	
10	22	4.1	4.0	3.9	4.0	4.1	7.1	7.6	7.2	7.2	7.3	7.3	7.2	7.3	7.5	7.7	7.8	7.8	8.0	8.0	7.9	7.8	7.5	7.1	6.6	
10	23	4.1	4.0	3.9	4.0	4.1	5.5	7.2	7.2	7.1	7.0	7.1	7.1	7.3	7.5	7.6	7.7	7.9	7.8	7.8	7.7	7.8	7.7	5.0	4.5	
10	24	4.1	4.0	3.9	3.9	4.0	4.3	7.2	7.3	7.3	7.3	7.3	7.6	7.7	8.0	8.0	8.0	8.0	8.1	8.0	8.0	7.8	8.1	4.3	4.2	
10	25	3.6	3.5	3.4	3.4	3.6	3.9	4.3	4.4	4.4	4.5	4.6	4.8	5.0	5.2	5.4	5.5	5.5	5.5	5.5	5.5	5.3	5.1	4.7	4.2	4.0
10	26	3.6	3.5	3.4	3.4	3.4	3.6	3.8	3.9	4.2	4.2	4.3	4.6	4.8	5.0	5.2	5.4	5.4	5.4	5.4	5.5	5.2	5.0	4.7	4.4	4.0
10	27	3.6	3.5	3.4	3.3	3.4	3.5	3.6	3.7	3.9	4.3	4.3	4.4	4.6	5.0	5.2	5.4	5.5	5.5	5.5	5.6	5.4	5.1	4.7	4.4	3.9
10	28	3.5	3.4	3.3	3.3	3.5	3.7	4.0	4.1	4.4	4.5	4.6	4.7	4.8	4.9	4.9	4.9	4.9	5.2	5.4	5.3	5.0	4.7	4.1	4.0	
10	29	3.6	3.4	3.4	3.4	3.6	4.0	4.6	4.6	4.6	4.7	4.6	4.7	4.8	4.8	5.0	5.0	5.0	5.2	5.3	5.2	5.0	4.7	4.5	4.1	
10	30	3.6	3.5	3.4	3.4	3.7	4.4	4.7	5.3	4.8	4.8	6.1	6.1	6.1	6.2	6.2	6.3	6.2	6.6	7.0	6.9	6.7	7.3	5.2	4.9	
10	31	3.6	3.5	4.0	4.1	4.2	6.3	7.6	7.0	7.4	6.9	6.7	6.8	6.7	6.7	6.7	6.8	6.9	7.3	8.3	8.2	7.8	7.1	4.6	4.2	
11	1	4.1	4.0	4.0	6.2	6.5	7.5	8.1	8.2	7.8	7.4	7.3	7.3	7.3	7.3	7.4	7.5	7.6	7.9	8.2	8.1	7.9	7.9	6.3	5.6	
11	2	5.3	4.6	4.6	4.6	4.7	6.2	7.0	7.1	7.1	7.4	7.4	7.4	7.4	7.5	8.0	8.1	8.2	8.3	8.3	8.3	8.1	7.7	4.4	4.2	
11	3	4.0	3.9	3.8	3.8	3.9	4.0	4.1	5.6	5.7	6.1	5.9	6.0	6.1	6.5	6.6	6.7	6.8	7.0	7.3	7.1	6.9	6.4	5.9	4.2	
11	4	3.9	3.9	3.8	3.8	4.0	4.2	5.3	7.3	7.2	6.2	7.2	7.4	7.4	7.4	7.5	7.6	7.7	8.2	8.3	8.2	8.0	7.9	6.8	4.3	
11	5	4.0	3.9	3.9	3.9	4.0	4.3	6.4	8.2	7.3	6.7	6.7	7.1	7.0	7.0	6.7	6.8	6.9	8.0	8.1	7.8	7.5	7.2	6.8	4.2	
11	6	4.1	4.0	4.0	4.0	4.2	5.5	5.7	7.6	7.4	7.3	7.1	7.2	7.1	7.4	7.4	7.4	7.6	8.0	8.0	8.1	7.9	7.9	6.5	4.3	
11	7	4.2	4.1	4.1	4.1	4.2	6.0	7.1	8.2	8.2	7.5	7.6	7.6	7.7	7.8	8.0	8.1	8.0	8.3	8.5	8.4	8.3	8.0	7.3	4.4	
11	8	4.1	3.8	4.0	4.0	4.2	4.8	7.1	7.8	7.8	7.7	7.6	7.7	7.7	7.8	7.8	8.1	8.1	8.4	8.4	8.3	8.2	7.8	6.9	4.5	
11	9	4.1	4.0	4.4	4.0	4.1	4.6	5.2	7.6	7.6	7.6	7.8	7.9	8.0	8.2	8.0	8.1	8.4	8.4	8.4	8.2	8.1	7.9	7.5	4.2	
11	10	4.1	4.0	4.0	4.0	4.0	4.1	4.6	7.5	7.6	7.7	7.6	7.7	7.7	8.0	8.0	8.1	8.1	8.1	8.5	8.0	7.9	7.8	7.6	5.6	
11	11	4.0	3.9	3.9	3.9	4.0	4.5	4.5	7.1	7.2	7.3	7.6	7.4	7.7	8.2	8.2	8.3	8.5	8.5	8.5	8.4	8.1	7.9	7.0	4.4	
11	12	4.3	4.0	3.9	3.9	4.0	4.3	5.3	7.3	7.2	7.4	7.5	7.5	7.5	8.1	8.2	8.2	8.2	8.5	8.5	8.4	8.2	7.7	7.2	5.1	
11	13	4.1	4.0	3.9	3.9	4.0	4.3	5.9	7.6	7.5	7.9	7.9	7.7	7.8	7.8	8.1	8.2	8.3	8.4	8.3	8.4	8.2	8.0	7.6	4.2	
11	14	4.1	4.0	3.9	4.0	4.1	4.4	4.8	7.5	7.5	7.7	7.7	7.8	7.9	8.1	8.1	8.2	8.5	8.5	8.5	8.4	8.1	7.8	7.7	5.2	
11	15	4.1	4.0	4.0	4.0	4.1	4.4	4.8	7.5	7.5	7.6	7.6	7.7	7.8	7.9	8.0	8.1	8.1	8.1	8.2	8.0	7.9	7.8	7.6	4.2	

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
11	16	4.1	4.0	3.9	3.9	4.0	4.1	4.3	7.6	7.5	7.6	7.6	7.6	7.7	7.9	7.9	7.9	7.9	7.9	8.0	8.1	8.0	7.9	7.7	5.4
11	17	4.1	4.0	4.0	4.0	4.0	4.2	4.4	7.5	7.5	7.6	7.6	7.7	7.6	7.7	7.6	7.8	8.0	8.3	8.4	8.3	8.1	7.9	7.7	7.5
11	18	4.0	3.9	3.9	3.9	4.0	4.3	7.5	7.6	7.8	7.8	7.8	7.8	7.9	8.0	8.1	8.1	8.1	8.5	8.5	8.4	8.3	8.2	6.7	5.7
11	19	4.6	4.6	4.5	4.5	4.6	5.0	6.4	7.4	7.9	7.8	7.8	8.0	7.2	7.2	7.3	7.3	7.5	7.8	8.2	8.1	8.0	7.8	7.5	5.9
11	20	4.0	3.9	3.9	3.9	4.1	4.4	6.4	7.3	7.1	7.2	7.2	7.2	7.3	7.4	7.5	7.5	7.5	7.7	7.7	7.6	7.5	7.3	7.0	6.7
11	21	4.0	3.9	3.9	3.9	4.0	4.8	7.8	7.8	7.5	7.7	7.6	7.6	7.8	7.9	8.0	8.0	8.0	8.2	8.2	8.2	8.0	7.8	7.7	4.6
11	22	4.0	3.9	3.9	3.9	4.6	6.5	8.2	8.2	8.2	7.6	7.6	7.6	7.7	7.9	7.9	7.9	7.9	8.1	8.3	8.2	8.0	7.7	7.6	4.4
11	23	4.2	4.7	4.7	4.7	4.7	4.9	5.2	8.2	8.1	7.6	7.8	8.0	8.1	8.1	8.1	8.2	8.0	8.2	8.3	8.2	8.2	8.2	7.8	4.8
11	24	5.2	5.1	5.1	5.1	5.2	5.9	6.2	8.2	7.9	7.7	7.7	7.7	7.7	7.9	7.8	7.9	7.9	8.1	8.1	8.1	8.3	8.2	8.2	7.2
11	25	5.3	5.2	5.2	5.3	5.5	7.7	8.2	8.1	8.2	7.9	8.2	8.2	8.2	8.2	8.1	8.2	8.3	8.3	8.1	8.1	8.0	7.8	7.7	6.9
11	26	7.4	6.1	5.2	5.2	5.4	5.7	6.6	7.9	7.7	7.4	6.9	6.7	7.7	7.8	7.8	7.8	8.0	8.2	8.4	8.2	8.2	7.6	7.0	5.4
11	27	5.2	5.1	5.1	5.1	5.3	5.5	6.2	7.6	7.5	7.4	7.5	7.6	7.7	6.4	6.5	6.8	7.0	7.6	8.0	8.0	8.0	7.5	7.2	5.6
11	28	4.6	4.6	4.5	4.5	5.2	5.4	5.7	7.7	7.7	7.7	7.9	7.9	7.6	7.3	7.1	7.0	7.0	7.9	8.1	8.0	8.0	7.8	7.0	5.1
11	29	5.0	4.9	4.9	4.9	5.0	5.3	5.8	7.8	7.6	7.6	7.4	7.4	7.1	6.7	6.7	6.9	7.1	7.5	8.1	8.1	8.0	7.8	7.2	5.1
11	30	4.9	4.8	4.7	4.7	4.8	5.0	5.3	7.3	7.6	7.6	7.4	7.3	7.1	6.9	6.8	7.1	7.2	8.1	8.5	8.4	8.1	7.9	7.8	5.1
12	1	4.2	4.1	4.1	4.1	4.1	4.3	5.1	7.4	7.7	7.7	7.5	7.5	7.4	7.3	7.3	7.3	7.4	8.1	8.2	8.1	8.2	7.8	6.8	4.4
12	2	4.3	4.2	4.2	4.2	4.4	6.9	7.8	8.5	8.0	7.9	7.7	7.7	7.6	6.5	7.6	7.7	7.6	8.0	8.1	8.0	7.8	8.2	8.2	5.5
12	3	5.4	5.3	5.3	5.3	5.5	5.4	6.0	8.0	8.0	8.0	7.7	7.7	7.4	7.3	7.3	7.4	7.6	8.1	8.2	8.2	8.0	7.8	7.5	5.0
12	4	5.4	5.6	5.6	5.6	5.8	6.1	7.1	7.9	7.0	6.9	6.8	6.7	6.6	6.6	6.5	6.6	7.5	8.1	8.2	8.2	8.0	8.2	7.1	6.8
12	5	6.1	6.5	6.0	6.0	6.2	7.1	8.3	8.5	8.3	8.2	8.1	8.0	7.8	8.2	8.2	7.8	8.0	8.3	8.5	8.4	8.2	8.2	8.2	7.8
12	6	6.1	7.2	7.3	7.3	7.7	7.8	8.2	8.5	8.4	8.4	8.2	7.1	7.5	7.5	7.3	7.2	7.5	8.5	8.5	8.4	8.3	8.2	8.1	8.0
12	7	7.5	7.4	7.4	7.5	7.8	8.2	8.5	8.5	8.4	8.0	7.9	7.7	7.8	7.9	7.8	8.0	7.7	8.5	8.5	8.4	8.3	8.2	7.8	7.8
12	8	6.7	6.3	6.0	5.9	6.2	6.6	7.6	7.3	7.1	7.9	7.4	7.1	7.3	6.9	7.3	7.2	6.6	8.5	8.5	8.4	8.3	8.2	7.9	7.2
12	9	7.0	7.0	7.6	7.6	7.6	7.9	8.4	8.4	8.2	7.1	7.0	7.2	6.6	6.2	5.8	6.3	7.2	8.5	8.5	8.4	8.3	8.2	7.7	7.9
12	10	6.8	7.6	7.6	7.8	7.8	8.1	8.4	8.5	8.5	8.4	8.1	8.1	8.2	8.1	8.1	8.2	8.4	8.5	8.5	8.4	8.2	8.1	7.1	7.2
12	11	7.4	5.6	7.8	7.8	7.9	8.1	8.5	8.5	8.5	7.9	7.4	7.0	6.9	6.5	6.4	6.5	6.9	8.4	8.5	8.4	8.1	7.8	7.1	7.3
12	12	5.8	5.5	5.5	6.2	7.7	8.2	8.5	8.5	8.4	7.7	6.9	7.5	7.5	7.5	7.1	7.2	7.9	8.5	8.5	8.4	8.1	8.0	7.8	7.7
12	13	7.4	7.5	7.5	7.4	7.6	7.8	8.3	8.3	8.1	8.0	7.8	7.6	7.3	7.2	6.9	6.9	7.1	8.0	8.4	8.3	8.3	8.1	7.8	7.2
12	14	6.8	6.8	6.8	6.9	6.7	6.9	7.5	8.2	7.9	7.5	7.3	7.1	7.0	6.9	6.7	6.8	6.9	7.5	8.4	8.4	8.3	7.9	8.0	7.3

2013 Integrated Resource Planning Actual Data Filing

A.) A load-serving Entity; 1. Hourly demand for the previous calendar year; c. Energy Losses:

Mon	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
12	15	6.9	6.7	6.7	6.7	6.9	7.2	8.0	8.4	8.2	7.9	7.7	7.7	7.7	7.6	7.4	7.5	7.7	8.1	8.3	8.4	8.3	8.2	8.0	6.9
12	16	6.4	6.4	6.4	6.4	6.6	7.3	7.9	8.2	8.2	7.9	7.4	7.3	7.0	6.9	6.8	6.9	7.1	8.0	8.1	8.2	8.2	7.5	7.0	7.1
12	17	6.2	6.1	6.1	6.1	6.3	7.4	8.1	8.4	8.2	7.9	7.7	7.5	7.2	7.2	7.0	7.1	7.6	8.2	8.4	8.4	8.1	8.0	7.8	6.8
12	18	6.6	5.1	4.7	4.8	5.0	5.5	6.5	8.3	8.2	7.8	7.6	7.5	7.2	7.2	7.1	7.2	7.5	8.2	8.4	8.4	8.2	8.0	7.6	4.7
12	19	4.5	6.7	6.7	6.8	6.9	7.4	8.1	8.3	8.3	8.1	7.6	7.5	7.3	7.3	7.2	7.3	7.4	8.5	8.5	8.4	8.3	7.9	7.2	7.1
12	20	6.8	7.1	7.1	7.1	7.3	7.7	8.1	8.1	8.1	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.8	8.4	8.5	8.4	8.2	8.2	8.0	7.8
12	21	7.5	6.8	6.8	6.8	7.0	7.4	8.0	8.4	8.2	8.1	7.8	7.8	7.6	7.7	7.7	7.7	7.9	8.2	8.4	8.4	8.2	8.2	8.0	7.8
12	22	7.6	7.7	7.5	7.7	7.6	7.9	8.5	8.5	8.4	8.1	7.5	7.8	5.9	5.9	5.7	5.4	5.7	7.8	8.3	8.2	8.3	8.2	8.0	7.1
12	23	6.9	6.9	6.8	6.7	6.9	7.5	8.0	8.4	8.4	8.0	7.7	7.6	7.5	7.0	6.8	6.9	7.1	7.0	8.3	8.0	8.0	8.2	8.0	7.0
12	24	6.8	7.2	7.2	7.3	7.5	7.9	8.2	8.3	8.1	8.1	7.8	7.6	7.3	7.2	7.1	7.2	7.3	8.4	8.3	8.3	8.1	8.0	7.6	7.4
12	25	7.2	7.1	7.0	7.1	7.2	7.8	8.2	8.2	8.3	8.0	7.7	7.8	7.7	7.7	7.5	7.5	7.6	8.3	8.2	8.2	8.0	8.1	7.9	7.3
12	26	7.0	6.9	6.9	7.0	7.2	7.6	8.2	8.3	8.3	8.0	7.8	7.5	7.5	7.6	7.5	7.7	7.9	8.1	8.2	8.2	8.0	8.1	8.0	7.6
12	27	7.2	6.6	6.6	6.7	6.9	7.3	7.9	8.3	8.2	8.0	7.8	7.8	7.8	6.4	6.6	7.6	7.7	8.1	8.4	8.4	8.2	8.1	7.8	7.0
12	28	6.7	6.6	6.6	6.7	6.9	7.2	8.1	8.3	8.1	8.1	7.8	7.5	7.6	7.4	7.3	7.3	7.6	8.2	8.4	8.4	8.2	8.1	7.7	7.1
12	29	6.8	7.2	7.1	7.1	7.2	7.6	8.0	8.3	8.3	8.1	7.8	5.7	7.3	6.5	5.9	6.1	7.4	8.1	8.5	8.4	8.2	8.1	7.9	7.5
12	30	7.3	5.5	6.1	6.8	7.0	7.5	8.0	8.3	8.1	7.9	7.8	7.2	7.8	7.0	6.2	7.4	8.0	8.1	8.5	8.4	8.3	8.1	7.9	7.1
12	31	7.5	6.6	6.6	6.8	7.0	7.9	8.2	8.5	8.2	7.8	7.6	7.6	7.7	6.0	5.6	5.7	6.1	7.6	8.2	8.3	8.0	8.0	7.4	7.0

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. Hourly demand for the previous calendar year, disaggregated by:
 - d. Other disposition of energy, such as energy furnished without charge and energy used by the load-serving entity;

2013 Monthly Energy Used for Station Operation – MWh

Month	2011	2012	2013
January	24,565.55	20,832.49	23,214.54
February	20,585.78	16,830.28	19,093.38
March	17,121.83	7,558.31	21,764.68
April	15,694.45	6,909.56	21,230.53
May	20,405.71	17,491.43	23,039.43
June	23,793.66	16,964.38	25,845.04
July	27,907.34	24,041.65	28,227.11
August	28,758.16	25,281.74	29,302.35
September	25,742.44	21,716.33	24,241.92
October	23,327.40	20,579.60	21,956.60
November	20,271.10	19,683.22	25,095.43
December	22,459.60	20,345.51	27,499.56
Annual	270,633.02	218,234.50	290,510.57

*The values reported are the difference between gross and net generation at the Apache Generating Station and represent the energy requirements of auxiliary loads.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

2. Coincident peak demand (megawatts) and energy consumption (megawatt-hours) by month for the previous 10 years, disaggregated by customer class;

Because AEPCO only provides energy at wholesale, AEPCO has no retail customer classes for which to track coincident peak. AEPCO’s total firm coincidental peak demand at wholesale (megawatts) is shown in the table below.

**AEPCO Class A Members
Total Firm Coincidental Peak Demand – MW
From AC in AEPCO Resources**

Month	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013*
Jan	392	407	415	458	435	413	415	355	316	356
Feb	395	396	397	432	436	414	415	393	301	362
Mar	387	383	408	430	415	387	400	300	269	349
Apr	380	400	419	442	423	455	381	232	274	384
May	488	518	525	531	493	573	452	372	407	384
Jun	512	569	613	624	565	627	549	437	413	546
Jul	553	608	623	657	564	724	553	467	469	541
Aug	559	574	575	643	567	701	556	462	481	505
Sep	535	538	531	611	538	614	522	460	416	462
Oct	424	485	491	496	467	483	462	391	374	360
Nov	397	409	434	419	393	392	385	323	264	360
Dec	483	415	448	461	426	417	407	346	313	360

*The 2013 peak demands are taken from the hourly data in Section A-1.b and are reported consistently as described in Section A-1.b.

2013 Integrated Resource Planning Actual Data Filing

**Total Energy Served – MWh
From AEPCO Resources**

Month	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013*
January	237,394	256,301	266,470	288,033	282,716	240,318	243,220	186,898	183,298	178,932
February	220,292	228,799	237,919	248,930	261,017	209,490	223,247	160,627	158,934	146,870
March	236,239	254,022	268,679	277,409	273,957	216,062	209,300	131,534	117,108	170,679
April	214,790	254,496	266,747	273,905	268,390	198,376	201,994	125,801	117,667	184,608
May	264,297	279,433	303,026	306,770	287,687	273,022	206,492	175,310	179,351	207,176
June	273,001	301,849	330,848	337,187	315,939	261,053	257,748	222,136	199,802	256,767
July	317,715	346,040	350,902	364,431	329,605	342,696	257,492	251,244	215,559	276,990
August	303,949	320,016	327,156	352,825	328,042	316,644	266,470	259,422	236,708	257,929
September	260,063	292,169	288,662	317,315	294,168	268,132	247,253	219,281	195,854	210,232
October	231,478	259,413	264,387	282,760	269,114	224,123	195,806	182,930	177,484	178,810
November	223,121	230,996	235,500	257,255	234,854	190,179	181,819	156,281	152,200	204,172
December	253,461	261,814	280,721	287,624	262,961	242,069	191,836	195,910	166,477	234,516
Annual	3,035,800	3,285,348	3,421,017	3,594,444	3,408,450	2,982,164	2,682,677	2,267,373	2,100,442	2,507,683

*The 2013 monthly energy MWhs are taken from the hourly load data in Section A-1.b. Prior to 2013, the values reflect ARM metered load plus scheduled energy take by the PRMs.

2013 Integrated Resource Planning Actual Data Filing

**AEPCO Class A Members
Residential Class - Energy Served – MWh**

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

**AEPCO Class A Members
Irrigation Class - Energy Served – MWh**

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

**AEPCO Class A Members
Small Commercial Class (< 350 kW) - Energy Served – MWh**

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

AEPCO Class A Members

Large Commercial Class (> 350 kW) - Energy Served – MWh

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

**AEPCO Class A Members
Special Contracts – Other Sales - Energy Served – MWh**

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

**AEPCO Class A Members
Sales for Resale - Energy Served – MWh**

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

**AEPCO Class A Members
Highway Lighting Class - Energy Served – MWh**

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

3. Number of customers by customer class for each of the previous 10 years; and
-

**AEPCO Class A Members
Number of Customers by Customer Class**

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

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.
-

AEPCO is unique among entities covered by the IRP Rules in that it supplies power only at wholesale predominately to its Class A Member distribution cooperatives. It, therefore, serves no demand-side role in the integrated resource planning process. AEPCO has not been provided any data with respect to demand-side management measures in its Class A Member distribution cooperatives' service areas.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - a. In-service date and book life or contract period;

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - b. Type of generating unit or contract;

Type of Generating Unit

Unit/Contract	Type of Unit/Contract
Gas Turbine 1	Peaking
Steam Turbine 1	Intermediate
Gas Turbine 2	Peaking
Gas Turbine 3	Peaking
Gas Turbine 4	Peaking
Steam Turbine 2	Load Following
Steam Turbine 3	Load Following
SLC-IP	Firm Hydro
Parker-Davis	Firm Hydro
South Point	Unit Contingent PPA
Griffith	Unit Contingent PPA

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - c. The load-serving entity's share of the generating unit's capacity, or of capacity under the contract, in megawatts;

[Begin Confidential Information]

2013 Maximum Capacity – MW

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - d. Maximum generating unit or contract capacity, by hour, day, or month, if such capacity varies during the year;

[Begin Confidential Information]

2013 Seasonal Contract Capacity – MW

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - e. Annual capacity factor (generating units only);

[Begin Confidential Information]

2013 Annual Capacity Factor - %

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - f. Average heat rate of generating units and, if available, heat rates at selected output levels;

[Begin Confidential Information]

2013 Average Heat Rate – Btu/kWh

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

2013 Average Heat Rate – Btu/kWh

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

2013 Average Heat Rate – Btu/kWh

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

2013 Average Heat Rate – Btu/kWh

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

2013 Average Heat Rate – Btu/kWh

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - g. Average fuel cost for generating units, in dollars per million Btu for each type of fuel;

[Begin Confidential Information]

2013 Variable Fuel Data

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - h. Other variable operating and maintenance costs for generating units, in dollars per megawatt hour;

[Begin Confidential Information]

2013 Variable Operating & Maintenance Costs* - \$/MWh

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - i. Purchased power energy costs for long-term contracts, in dollars per megawatt-hour;

[Begin Confidential Information]

2013 Purchased Power Energy Costs - \$/MWh

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - j. Fixed operating and maintenance costs of generating units, in dollars per megawatt;

[Begin Confidential Information]

2013 Fixed Operating & Maintenance Costs

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - k. Demand charges for purchased power;

[Begin Confidential Information]

2013 Purchased Power Demand Costs - \$/kW-month

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 1. Fuel type for each generating unit;

2013 Primary & Secondary Fuel Types for Each Unit

Unit	Primary Fuel	Secondary Fuel
Combined Cycle (GT1 + ST1)	Natural Gas	None
Gas Turbine 2	Natural Gas	None
Gas Turbine 3	Natural Gas	None
Gas Turbine 4	Natural Gas	Fuel Oil
Steam Turbine 2	Coal	Natural Gas
Steam Turbine 3	Coal	Natural Gas

Note: While Steam Unit 1 (ST1), Gas Turbine 1 (GT1), Gas Turbine 2 (GT2) and Gas Turbine 3 (GT3) were permitted to burn fuel oil until July of 2013, because the units have lacked the equipment actually to burn fuel oil for many years, the above table shows "None" for the entire year 2013.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - m. Minimum capacity at which the generating unit would be run or power must be purchased;

[Begin Confidential Information]

2013 Minimum* Capacity – MW

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - n. Whether, under standard operating procedures, the generating unit must be run if it is available to run;

[Begin Confidential Information]

Identification of Must-Run Units

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - o. Description of each generating unit as base load, intermediate, or peaking;

[Begin Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - 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;

2013 Generating Unit	Air Emissions				
	CO 2 tons/year	Total PM tons/year	SO 2 tons/year	Hg lbs/year	NOx tons/year
ST1 - natural gas	5749.4	0.13	0.02		11.61
ST2 – coal	1304002.3	50.07	1,319.10	33.813438	2,173.61
ST2 - natural gas		0.63			
ST3 – coal	1541309.1	6.50	2,425.10	34.938625	3,271.26
ST3 - natural gas		0.38			
GT1 - natural gas		0.05	15.31		0
GT2 - natural gas		0.000722984	0.000114155		0.07
GT3 - natural gas		0.05	0.01		5.62
GT4 - natural gas	16048.3	1.22	0.08		6.08
GT4 - fuel oil		0			

No emissions calculations are available from AEPCO PPA.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - q. Water consumption quantities and rates; and

Information is not available regarding water consumption per generating unit. For all units, an estimated total of 4,642 acre feet of water was used in 2013 based on metered production well output.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

1. For each generating unit and purchased power contract for the previous calendar year:
 - r. Tons of coal ash produced per generating unit;

[Begin Confidential Information]

2013 Coal Ash Produced

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

2. For the power supply system for the previous calendar year:
 - a. A description of generating unit commitment procedures;

[Begin Confidential Information]

Commitment Procedures

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

2. For the power supply system for the previous calendar year:

b. Production cost;

[Begin Confidential Information]

2013 Production Costs

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

2. For the power supply system for the previous calendar year:

c. Reserve requirements;

[Begin Confidential Information]

2013 Actual Daily Average Reserve Requirements - MW

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

2. For the power supply system for the previous calendar year:

d. Spinning reserve;

[Begin Confidential Information]

2013 Actual Daily Average Spinning Reserves - MW

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

2. For the power supply system for the previous calendar year:

e. Reliability of generating, transmission, and distribution systems;

AEPCO does not own or operate any transmission or distribution systems. The following information was provided to AEPCO by Southwest Transmission Cooperative, Inc. (SWTC).

[Begin Confidential Information]

2013 Transmission and Distribution Reliability

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

2013 Generation Reliability – Unscheduled Outage Hours

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

2. For the power supply system for the previous calendar year:

f. Purchase and sale prices, averaged by month, for the aggregate of all purchases and sales related to short-term contracts; and

AEPCO had no short-term contract purchases or sales during 2013.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

2. For the power supply system for the previous calendar year:

g. Energy Losses;

[Begin Confidential Information]

2013 Energy Losses

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

3. The level of self generation in the load-serving entity's service area for the previous calendar year; and

AEPCO is unique among entities covered by the IRP Rules in that it supplies power only at wholesale predominately to its Class A Member Distribution Cooperatives and, therefore, has no self-generating customers at retail. AEPCO has no current data with respect to self-generation or cogeneration in its Class A Member Distribution Cooperatives' service areas.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

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:

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.

AEPCO did not acquire any new resources without an RFP.

Arizona Electric Power Cooperative, Inc.

**Resource Planning Filing
R14-2-703.C-F and H**

Docket No. E-00000V-13-0070

April 1, 2014

Public Version

**THIS DOCUMENT CONTAINS CONFIDENTIAL
INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEPCO AND
STAFF DATED FEBRUARY 13, 2014**

Preface

This is AEPCO's second Resource Planning Filing pursuant to the requirements of R14-2-703.C-F and H of the Commission's Resource Planning and Procurement Rules (effective December 20, 2010) ("the IRP Rules"). AEPCO's initial filing was made on March 30, 2012.

AEPCO is unique among the load-serving entities covered by the IRP Rules. First, it supplies power only at wholesale predominantly to its Class A member distribution cooperatives. Therefore, it has no demand side role in the "integrated" resource planning process. As the Commission's decision on the initial round of IRP filings noted, "each IRP (other than AEPCO's) must meet the requirements of the Annual Renewable Energy Requirement, the Distributed Renewable Energy Requirement, and the Energy Efficiency Standard." Decision No. 73884 at page 3, ll. 11-13 (the "First IRP Order").

Further, AEPCO's supply side role is very limited. In Arizona, it has all-requirements contracts (i.e., contracts requiring AEPCO to resource plan for the future demands of the member) with only two of its smallest, slowest growing distribution cooperative members, i.e., the Graham County Electric Cooperative ("Graham") and the Duncan Valley Electric Cooperative ("Duncan"). The other three and largest Arizona member distribution cooperatives are partial-requirements members ("PRM"). Under these PRM arrangements, AEPCO's only obligation is to furnish contractually obligated amounts of power and energy to the PRMs from existing resources, i.e., it has no obligation to plan for the future growth needs of Sulphur Springs Valley Electric Cooperative ("Sulphur"), Trico Electric Cooperative ("Trico") and Mohave Electric Cooperative ("Mohave").

The Commission recognized these and other differences between AEPCO and the other entities covered by the IRP Rules in its First IRP Order. Specifically, in addition to recognizing that it plays no demand side role in the planning process, the Commission "acknowledged" its 2012 IRP but stated it would not be necessary for AEPCO to have "its future IRPs acknowledged by the Commission." (Finding 14.)

In Finding 15, the Commission stated that AEPCO should continue to submit in future IRP filings "whatever information, data, criteria, and studies it has used in its 15-year planning scenarios"—concluding that such information is sufficient for AEPCO to meet its IRP Rules' obligations given its unique and very limited role. The Commission also instructed AEPCO to provide its "PRMs load forecasts to Staff on a confidential basis when it files its IRP" (Finding 16 and Second Ordering paragraph at page 8). Finally, the Commission ordered that AEPCO continue in the "IRP process but without the necessity of having its future IRPs acknowledged." (First Ordering Paragraph, page 8.)

This second Resource Planning Filing complies with all requirements. It follows the same pattern and process used in AEPCO's 2012 IRP filing. We continue to submit in this filing the "information, data, criteria, and studies" AEPCO has used in its latest 15-year planning scenario. Finally, AEPCO is delivering to Staff pursuant to the terms of the Protective Agreement between it and Staff dated February 13, 2014, the PRMs' load forecasts as required by the First IRP Order.

INDEX

Requirement	Page No.
C.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following items of load data and analyses, which may include a reference to the last filing made under this subsection for each item for which there has been no change in forecast since the last filing:	
1. Fifteen-year forecast of system coincident peak load (megawatts) and energy consumption (megawatt-hours) by month and year, expressed separately for residential, commercial, industrial, and other customer classes, for interruptible power; for resale; and for energy losses.....	1
2. Disaggregation of the load forecast of subsection (C)(1) into a component in which no additional demand management measures are assumed, and a component assuming the change in load due to additional forecasted demand management measures.....	23
3. Documentation of all sources of data, analyses, methods, and assumptions used in making the load forecasts, including a description of how the forecasts were benchmarked and justifications for selecting the methods and assumptions used.....	24
D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:	
1. A 15-year resource plan, providing for each year:	
a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment.....	25
b. Projected data for each of the items listed in subsection (B)(2), for the power supply system.....	56
c. The capital cost, construction time, and construction spending schedule for each generating unit expected to be new or refurbished during the period.....	63

INDEX

Requirement	Page No.
d. The escalation levels assumed for each component of cost, such as, but not limited to, operating and maintenance, environmental compliance, system integration, backup capacity, and transmission delivery, for each generating unit and purchased power source.....	64
e. If discontinuation, decommissioning, or mothballing of any power source or permanent derating of any generating facility is expected: i. Identification of each power source or generating unit involved; ii. The costs and spending schedule for each discontinuation, decommissioning, mothballing, or derating; and iii. The reasons for each discontinuation, decommissioning, mothballing, or derating.....	65
f. The capital costs and operating and maintenance costs of all expected new or refurbished transmission and distribution facilities during the 15-year period.....	66
g. An explanation of the need for and purpose of all expected new or refurbished transmission and distribution facilities, which explanation shall incorporate the load-serving entity's most recent transmission plan filed under A.R.S. § 40-360.02(A) and any relevant provisions of the Commission's most recent Biennial Transmission Assessment decision regarding the adequacy of transmission facilities in Arizona.....	67
h. Cost analyses and cost projections, including the cost of compliance with existing and expected environmental regulations.....	68
2. Documentation of the data, assumptions, and methods or models used to forecast production costs and power production for the 15-year resource plan, including the method by which the forecast was benchmarked.....	69
3. A description of: a. Each potential power source that was rejected; b. The capital costs, operating costs, and maintenance costs of each rejected source; and c. The reasons for rejecting each source.....	72
4. A 15-year forecast of self-generation by customers of the load-serving entity, in terms of annual peak production (megawatts) and annual energy production (megawatt-hours).....	73
5. Disaggregation of the forecast of subsection (D)(4) into two components, one reflecting the self-generation projected if no additional efforts are made to encourage self-generation, and one reflecting the self-generation projected to result from the load-serving entity's institution of additional forecasted self-generation measures.....	74

INDEX

Requirement	Page No.
6. A 15-year forecast of the annual capital costs and operating and maintenance costs of the self generation identified under subsection (D)(4) and (5).....	75
7. Documentation of the analysis of the self-generation under subsections (D)(4) through (6).....	76
8. A plan that considers using a wide range of resources and promotes fuel and technology diversity within its portfolio.....	77
9. A calculation of the benefits of generation using renewable energy resources	78
10. A plan that factors in the delivered cost of all resource options, including costs associated with environmental compliance, system integration, backup capacity, and transmission delivery.....	79
11. Analysis of integration costs for intermittent resources.....	80
12. A plan to increase the efficiency of the load-serving entity's generation using fossil fuel.....	81
13. Data to support technology choices for supply-side resources.....	82
14. A description of the demand management programs or measures included in the 15-year resource plan, including for each demand management program or measure: a. How and when the program or measure will be implemented; b. The projected participation level by customer class for the program or measure; c. The expected change in peak demand and energy consumption resulting from the program or measure; d. The expected reduction in environmental impacts, including air emissions, solid waste, and water consumption, attributable to the program or measure; e. The expected societal benefits, societal costs, and cost-effectiveness of the program or measure; f. The expected life of the measure; and g. The capital costs, operating costs, and maintenance costs of the measure, and the program costs.....	83

INDEX

Requirement	Page No.
15. For each demand management measure that was considered but rejected:	
a. A description of the measure;	
b. The estimated change in peak demand energy consumption from the measure;	
c. The estimated cost-effectiveness of the measure;	
d. The capital costs, operating costs, and maintenance costs of the measure, and the program costs; and	
e. The reasons for rejecting the measure.....	84
16. Analysis of future fuel supplies that are part of the resource plan.....	85
17. A plan for reducing environmental impacts related to air emissions, solid waste, and other environmental factors, and for reducing water consumption.....	86
E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:	
1. Analyses to identify and assess errors, risks, and uncertainties in the following, completed using methods such as sensitivity analysis and probabilistic analysis:	
a. Demand forecasts.....	87
b. The costs of demand management measures and power supply.....	88
c. The availability of sources of power.....	89
d. The costs of compliance with existing and expected environmental regulations.....	90
e. Any analysis by the load-serving entity in anticipation of potential new or enhanced environmental regulations.....	92
f. Changes in fuel prices and availability.....	93
g. Construction costs, capital costs, and operating costs.....	94
2. A description and analysis of available means for managing the errors, risks, and uncertainties identified and analyzed in subsection (E)(1), such as obtaining additional information, limiting risk exposure, using incentives, creating additional options, incorporating flexibility, and participating in regional generation and transmission projects.....	95
3. A plan to manage the errors, risks, and uncertainties identified and analyzed in subsection (E)(1).....	96

INDEX

Requirement	Page No.
F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:	
1. Selects a portfolio of resources based upon comprehensive consideration of a wide range of supply- and demand-side options.....	97
2. Will result in the load-serving entity's reliably serving the demand for electric energy services.....	98
3. Will address the adverse environmental impacts of power production.....	99
4. Will include renewable energy resources to meet or exceed the greater of the Annual Renewable Energy Requirement in R14-2-1804 or the following annual percentages of retail kWh sold by the load-serving entity.....	100
5. Will include distributed generation energy resources to meet or exceed the greater of the Distributed Renewable Energy Requirement in R14-2-1805 or the following annual percentages as applied to the load-serving entity's Annual Renewable Energy Requirement.....	101
6. Will address energy efficiency so as to meet any requirements set in rule by the Commission or in an order of the Commission.....	102
7. Will effectively manage the uncertainty and risks associated with costs, environmental impacts, load forecasts, and other factors.....	103
8. Will achieve a reasonable long-term total cost, taking into consideration the objectives set forth in subsections (F)(2) through (7) and the uncertainty of future costs.....	104
9. Contains all of the following:	
a. A complete description and documentation of the plan, including supply and demand conditions, availability of transmission, costs, and discount rates utilized.....	105
b. A comprehensive, self-explanatory load and resources table summarizing the plan.....	106
c. A brief executive summary.....	115
d. An index to indicate where the responses to each filing requirement of these rules can be found.....	116
e. Definitions of the terms used in the plan.....	117

INDEX

Requirement	Page No.
H.) With its resource plan, a load-serving entity shall include an action plan, based on the results of the resource planning process, that:	
1. Includes a summary of actions to be taken on future resource acquisitions.....	119
2. Includes details on resource types, resources capacity, and resource timing.....	119
3. Covers the three-year period following the Commission's acknowledgment of the resource plan.....	119

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

C.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following items of load data and analyses, which may include a reference to the last filing made under this subsection for each item for which there has been no change in forecast since the last filing:

1. Fifteen-year forecast of system coincident peak load (megawatts) and energy consumption (megawatt-hours) by month and year, expressed separately for residential, commercial, industrial, and other customer classes, for interruptible power; for resale; and for energy losses;

AEPCO has an obligation to provide resource planning on behalf of only two Class A Member Distribution Cooperatives located within Arizona, i.e., Duncan Valley Electric Cooperative, Inc. (Duncan) and Graham County Electric Cooperative, Inc. (Graham). AEPCO is also obligated to provide resource planning for one Class A Member located outside of Arizona, Anza Electric Cooperative, Inc. (Anza). AEPCO's peak load forecast covers the entirety of these three Class A Members' loads, and does not distinguish by retail customer class. The Class A Members provide AEPCO only with the number of customers in the requested retail classes and the associated historical monthly energy for each class. AEPCO derives its peak demand and energy forecasts for Duncan and Graham, as well as Anza, from the total of these values. Therefore, AEPCO is unable to provide the requested peak demand information. However, AEPCO is able to provide a fifteen-year monthly energy forecast by Member (megawatt-hours) on the following pages.

The energy tables include data concerning residential, irrigation, small commercial, large commercial, and special contracts customers (if applicable), and highway lighting derived from the load forecasts for Duncan, Graham and Anza. The estimated distribution losses are also provided.

Duncan and Graham do not have interruptible power customers.

AEPCO's load forecast report is provided in Tab A.

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

Anza – Energy Forecast by Customer Class (MWh)

[Begin Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

Duncan –Energy Forecast by Customer Class (MWh)

[Begin Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

Graham – Energy Forecast by Customer Class (MWh)

[Begin Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

C.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following items of load data and analyses, which may include a reference to the last filing made under this subsection for each item for which there has been no change in forecast since the last filing:

2. Disaggregation of the load forecast of subsection (C)(1) into a component in which no additional demand management measures are assumed, and a component assuming the change in load due to additional forecasted demand management measures; and

AEPCO is unique among entities covered by the IRP Rules in that it supplies power only at wholesale predominately to its Class A Distribution Cooperative Members and, therefore, serves no demand-side role in the integrated resource planning process. As a result, AEPCO has no information to report concerning these components.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

C.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following items of load data and analyses, which may include a reference to the last filing made under this subsection for each item for which there has been no change in forecast since the last filing:

3. Documentation of all sources of data, analyses, methods, and assumptions used in making the load forecasts, including a description of how the forecasts were benchmarked and justifications for selecting the methods and assumptions used.

A complete copy of AEPCO's 2013 Load Forecast Report, approved by the AEPCO Board of Directors on October 9, 2013 and submitted to Rural Utilities Service (RUS) for approval on February 20, 2014 is included behind Tab A. **The information contained in the AEPCO 2013 Load Forecast Report is confidential and its use and availability is restricted pursuant to the terms of the Protective Agreement between AEPCO and Staff dated February 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

AEPCO has an obligation to provide resource planning only on behalf of Duncan and Graham in the State of Arizona. AEPCO has already acquired, on behalf of these Arizona Class A Members, sufficient resources to fulfill forecasted power requirements through 2022, at which time a very small shortfall in one month is forecast. AEPCO is not currently researching the availability of new power sources on behalf of the Arizona Class A All Requirements Members as their load forecasts do not reflect a shortfall until the later part of years covered by this IRP. It is anticipated that the nominal shortfall, if it occurs, will be met by short-term or market purchases.

For existing generation, AEPCO provides the projected data commencing on the next page:

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- a. In-service date and book life or contract period;

[Begin Confidential Information]

In-Service and Class A Member Contract End Dates of Generating Units & Purchased Power Contracts

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- b. Type of generating unit or contract;

[Begin Confidential Information]

Type of Generating Unit or Contract

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- c. The load-serving entity's share of the generating unit's capacity, or of capacity under the contract, in megawatts;

[Begin Confidential Information]

Maximum Capacity – MW

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- d. Maximum generating unit or contract capacity, by hour, day, or month, if such capacity varies during the year;

AEPCO's maximum generating unit capacity does not vary during the year.
Purchase power contract capacities as modeled in PaR are listed below:

[Begin Confidential Information]

2014 Seasonal Contract Capacity – MW

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

2015 – 2018 Seasonal Contract Capacity – MW

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- e. Annual capacity factor (generating units only);

[Response continues on next page.]

2014 Integrated 15-Year Resource Plan

[Begin Confidential Information]

Projected Average Annual Capacity Factor - %

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- f. Average heat rate of generating units and, if available, heat rates at selected output levels;

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- g. Average fuel cost for generating units, in dollars per million Btu for each type of fuel;

[Begin Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- h. Other variable operating and maintenance costs for generating units, in dollars per megawatt hour;

[Response begins on the following page.]

2014 Integrated 15-Year Resource Plan

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- i. Purchased power energy costs for long-term contracts, in dollars per megawatt-hour;

[Begin Confidential Information]

Projected Purchased Power Energy Costs - \$/MWh

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- j. Fixed operating and maintenance costs of generating units, in dollars per megawatt;

[Begin Confidential Information]

Projected Fixed Operating & Maintenance Costs - \$/MW

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPSCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- k. Demand charges for purchased power;

[Begin Confidential Information]

Projected Purchased Power Demand Costs - \$/kW-month

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

1. Fuel type for each generating unit;

Primary & Secondary Fuel Types for Each Unit

Unit	2014-2017		2018-2028	
	Primary Fuel	Secondary Fuel	Primary Fuel	Secondary Fuel
Combined Cycle (GT1 + ST1)	Gas	None	Gas	None
Gas Turbine 2	Gas	Oil	Gas	None
Gas Turbine 3	Gas	None	Gas	None
Gas Turbine 4 *	Gas	Oil	Gas	Oil
Steam Turbine 2 **	Coal	Gas	Gas	None
Steam Turbine 3	Coal	Gas	Coal	Gas

*Secondary fuel is permitted for emergency backup only. Limited to 600 hours per year.

**Assumes EPA approval of SIP revisions based on petition reconsideration.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- m. Minimum capacity at which the generating unit would be run or power must be purchased;

[Begin Confidential Information]

Projected Minimum Capacity – MW

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- n. Whether, under standard operating procedures, the generating unit must be run if it is available to run;

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- o. Description of each generating unit as base load, intermediate, or peaking;

Combined Cycle 1 (CC1)

CC1 is a Combined Cycle unit consisting of Gas Turbine 1 (GT1), a natural gas-fired simple cycle GE MS5001D combustion turbine constructed in 1963 with a gross rated capacity of 10 MW. GT1 is often operated in concert with Steam Unit 1 (ST1), a natural gas-fired boiler constructed in 1963 with a gross rated capacity of 72 MW. ST1 can be operating independently or heat from the boiler burners can be supplemented by exhaust gas from GT1. Together their net rated capacity is 82 MW. Historically, this unit has served the following functions within the AEPCO generation portfolio: (i) seasonal (summer) peaking, (ii) spinning reserves during the period when the unit is on line, (iii) reliability service for ST2 and ST3 unplanned outages, and (iv) collateral for market purchases allowing the Class A Partial Requirements Members to make economy purchases in the real-time energy market. AEPCO plans to continue operating CC1 in the future for seasonal peaking and as well as in its role as collateral for market purchases.

Gas Turbine 2 (GT2)

GT2 is a simple cycle GE Frame 5N combustion turbine with a rated capacity of 20 MW which was constructed in 1972. Historically, this generation resource has been utilized by AEPCO as non-spinning reserves. Under the Western Electric Coordinating Council (WECC) and Southwest Reserve Sharing Group (SRSG) procedures, any resource designated as non-spinning for reserve calculations is off-line generation capacity that can be ramped to capacity and synchronized to the grid within ten minutes of a dispatch instruction and is used to maintain system frequency stability during emergency conditions.

The unit start time for GT2 is approximately seven minutes. Due to AEPCO's ability to perform these quick test starts within ten minutes this unit has been an economical option to satisfy AEPCO's regulatory non-spinning requirements. AEPCO plans to continue operating GT2 into

2014 Integrated 15-Year Resource Plan

the future primarily as a non-spinning resource and secondarily as collateral for market purchases.

Gas Turbine 3 (GT3)

GT3, constructed in 1975, is a simple cycle, natural gas-fired Westinghouse 501B2 combustion turbine with a rated capacity of 65 MW. AEPCO plans to continue operating GT3 into the future primarily for seasonal peaking and as collateral for market purchases.

Gas Turbine 4 (GT4)

GT4 is a simple cycle, dual fuel, GE LM6000 peaking resource rated at approximately 38 MW. The unit is equipped with an SCR for NO_x reduction. AEPCO plans to continue operating GT4 into the future primarily for seasonal peaking and as collateral for market purchases.

Steam Unit 2 (ST2) and Steam Unit 3 (ST3)

ST2 and ST3 are virtually identical units commissioned in 1979 each having a gross nameplate rating of 195 MW. Coal is the primary fuel, but the units have the ability to burn natural gas. AEPCO will operate both ST2 and ST3 as load following resources to meet the resource requirements of the Class A Members up through the end of 2017. AEPCO assumes EPA approval of SIP revisions based on petition reconsideration which will provide for the conversion of ST2 to run on gas before January 2018. At that point, it will change from load following to an intermediate resource.

South Point

This is a purchase power contract available in 2014 of 55 MW; 7x16. The May through October day ahead call option requires AEPCO to take 55 MW for 16 hours. The contract is considered a summer peaking resource.

Griffith

This is a purchase power contract available in 2014 of 25 MW; 6x16. The May through October day ahead call option requires AEPCO to take 25 MW for 16 hours. The contract is considered a summer peaking resource.

Salt River Project Peaking PPA

This PPA between Salt River Project Agricultural Improvement and Power District (SRP) and AEPCO (SRP Peaking PPA) is a confirmation under the WSPP enabling agreement that begins service as of January 1, 2016 and terminates as of December 31, 2035. This monthly firm energy product is a day ahead call option for 15 MW of nominal capacity, which will be reduced on a MW for MW basis if either (i) the cooperatives realize a post-2017 allocation of Hoover power greater than 15 MW, or (ii) SRP realizes less than its current allocation of 39.174 MW in the post 2017 allocation of Hoover power (Contract Capacity). The Contract Capacity is allocated among Arizona's distribution cooperatives, which includes five (5) of AEPCO's six (6) Class A Members plus Navopache Electric Cooperative, Inc. (Navopache). The allocations are pursuant to an allocation agreement between AEPCO and the affected cooperatives. AEPCO's Class A Members will receive no less than 12.6 MW if the Contract Capacity remains at 15 MW.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- 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;

The following pages contain an emissions forecast based on long-range load forecast data, past emissions performance, upcoming new emissions limit, and expected ST2 gas conversion. The emissions performance data were derived from 2013 actual measured emissions, where available, and emission factors developed for specific generating unit designs and fuels. AEPCO has no emissions data available for purchase power contracts.

[Begin Confidential Information]

Apache Station Forecast Emissions 2014-2028

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- q. Water consumption quantities and rates;

Information is not available regarding historical water consumption as to each generating unit. For all units, an average total of 4316 acre feet of water was used during 2011, 2012 and 2013 based on metered production well output. AEPCO does not expect the amount of water usage to significantly increase as it is focusing on increasing process water reuse plant-wide. This projection does not change when taking into account the assumed EPA approval of SIP revisions based on petition reconsideration to convert ST2 to gas only usage before 2018.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - a. Projected data for each of the items listed in subsection (B)(1), for each generating unit and purchased power source, including each generating unit that is expected to be new or refurbished during the period, which shall be designated as new or refurbished, as applicable, for the year of purchase or the period of refurbishment;

B-1 For each generating unit and purchased power contract:

- r. Tons of coal ash produced per generating unit;

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - b. Projected data for each of the items listed in subsection (B)(2), for the power supply system;

B-2 For the power supply system;

- a. A description of generating unit commitment procedures;

Commitment Procedures

All of AEPCO's generation is located at Apache Station. Apache Station consists of two coal steam units (175 MW each), one gas steam unit (72 MW) and four gas turbines ranging from 10 MW to 65 MW. In a normal year, ST2 and ST3 are both on-line except during March and/or April, when one of the units is off-line for a major or minor overhaul. When ST2 and ST3 are both committed, they are dispatched economically each hour. The remaining units are dispatched seasonally or daily as needed to meet load on an economic basis. After conversion to natural gas usage as is assumed to occur after the EPA approval of SIP revisions based on petition reconsideration, ST2 will also be dispatched seasonally or daily as needed to meet load. If AEPCO is able economically to purchase power against the gas units, AEPCO makes economy purchases prior to starting the gas units.

As a preference customer, AEPCO also has contract entitlements to Parker-Davis hydro and Salt Lake City Area Integrated Projects capacity (Colorado River Storage Project hydro). These hydro contracts are AEPCO's least expensive resources and are scheduled to the extent allowed in each contract against AEPCO's loads. This tends to level the output required from Apache Station and maximize station efficiency. AEPCO also enters into take-or-pay contracts (block purchases) that are used for fuel displacement and maintenance outage coverage.

Thus, subject to availability, the units are generally committed in economic order against the net of load minus hydro resources, short-term economy purchases and take-or-pay contracts.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - b. Projected data for each of the items listed in subsection (B)(2), for the power supply system;

B-2 For the power supply system;

- b. Production cost;

[Begin Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - b. Projected data for each of the items listed in subsection (B)(2), for the power supply system;

-
- B-2 For the power supply system;
- c. Reserve Requirements;
 - d. Spinning Reserve;

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - b. Projected data for each of the items listed in subsection (B)(2), for the power supply system;

B-2 For the power supply system;

- e. Reliability of generating, transmission, and distribution systems;

AEPCO does not own transmission or distribution facilities.

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - b. Projected data for each of the items listed in subsection (B)(2), for the power supply system;

B-2 For the power supply system;

- f. Purchase and sale prices, averaged by month, for the aggregate of all purchases and sales related to short-term contracts;

AEPCO has no short-term contract purchases or sales included in the forecast period.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - b. Projected data for each of the items listed in subsection (B)(2), for the power supply system;

B-2 For the power supply system;

- g. Energy Losses;

Projected energy losses are forecast at a network energy loss rate of 2.31% transmission services during the planning period.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - c. The capital cost, construction time, and construction spending schedule for each generating unit expected to be new or refurbished during the period;

AEPCO does not currently have plans for any new generating units or to refurbish any units during the next 15-year period.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - d. The escalation levels assumed for each component of cost, such as, but not limited to, operating and maintenance, environmental compliance, system integration, backup capacity, and transmission delivery, for each generating unit and purchased power source;

Included behind Tab B is a long-range plan of capital costs for Apache Station.

Environmental compliance projects are provided in this report including the estimated capital cost to convert ST2 to gas usage in anticipation of the EPA's approval of Arizona's revised State Implementation Plan (SIP) incorporating AEPCO's alternative under Best Available Retrofit Technology (BART).

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - e. If discontinuation, decommissioning, or mothballing of any power source or permanent derating of any generating facility is expected:
 - i. Identification of each power source or generating unit involved;
 - ii. The costs and spending schedule for each discontinuation, decommissioning, mothballing, or derating; and
 - iii. The reasons for each discontinuation, decommissioning, mothballing, or derating;

AEPCO's wholesale power contracts with its Class A Members currently reflect discontinuation of operations of Apache Generating Station's CC1, GT2, and GT3 on December 31, 2020. However, as a result of discussions with its members, AEPCO anticipates contract extensions on all units beyond 2020 through 2035.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - f. The capital costs and operating and maintenance costs of all new or refurbished transmission and distribution facilities expected during the 15-year period;

AEPCO does not own transmission or distribution facilities.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - g. An explanation of the need for and purpose of all expected new or refurbished transmission and distribution facilities, which explanation shall incorporate the load-serving entity's most recent transmission plan filed under A.R.S. 40-360.02(A) and any relevant provisions of the Commission's most recent Biennial Transmission Assessment decision regarding the adequacy of transmission facilities in Arizona; and

AEPCO does not own transmission or distribution facilities.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

1. A 15-year resource plan, providing for each year:
 - h. Cost analyses and cost projections, including the cost of compliance with existing and expected environmental regulations;

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN AEP
AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

2. Documentation of the data, assumptions, and methods or models used to forecast production costs and power production for the 15-year resource plan, including the method by which the forecast was benchmarked;

Included behind Tab C is a document detailing the assumptions AEPCO is currently using in its PaR production cost modeling and Financial Risk and Strategy Tool (FRST) financial modeling software. The AEPCO load forecast, located behind tab A, is based on the 2013 Power Requirements Study (PRS). However, the information in the financial forecast behind tab C is based on the 2012 load forecast. The 2013 load forecast was not available at the time AEPCO was compiling its financial forecast. Below, AEPCO shows the difference between its 2012 and 2013 Load Forecast to illustrate that the differences in demand and energy requirements are minimal. **The information contained in the AEPCO Assumptions Documents is confidential and its use and availability is restricted pursuant to the terms of the Protective Agreement dated February 13, 2014 with Staff.**

2014 Integrated 15-Year Resource Plan

Class A Member Demand Comparison – MW

Year	ARMs 2013 PRS	ARMs 2012 PRS	2013-2012 Delta	PRMs AC*
2014	64.7	65.1	(0.4)	551.1
2015	65.6	65.9	(0.2)	475.4
2016	63.5	63.5	0.0	475.4
2017	64.5	64.5	0.0	475.4
2018	65.6	65.6	0.1	475.4
2019	66.9	66.7	0.2	475.4
2020	68.2	67.8	0.4	475.4
2021	69.6	68.9	0.6	475.4
2022	71.0	70.1	0.9	475.4
2023	72.4	71.3	1.1	475.4
2024	73.8	72.5	1.3	475.4
2025	75.4	73.8	1.6	475.4
2026	77.0	75.1	1.8	475.4
2027	78.6	76.5	2.1	475.4
2028	80.3	77.8	2.5	475.4
2029	82.0	79.2	2.8	475.4
2030	83.8	80.6	3.1	475.4
2031	85.6	82.1	3.5	475.4
2032	87.4	83.6	3.9	475.4

* Allocated Capacity from wholesale power contracts based on preliminary results from the Apache Station Study, current contract end dates of 2020 for ST1, GT1, GT2 and GT3 are anticipated to be extended beyond 2020 to 2035.

2014 Integrated 15-Year Resource Plan

All Requirement Member Energy Comparison – MWh

Year	ARMs 2013 PRS	ARMs 2012 PRS	2013-2012 Delta
2014	256,968	257,190	(221)
2015	260,474	260,290	185
2016	250,756	250,085	671
2017	254,697	254,059	637
2018	259,377	258,406	971
2019	264,353	262,893	1,460
2020	269,580	267,419	2,161
2021	274,884	271,880	3,004
2022	280,461	276,494	3,967
2023	286,030	281,246	4,784
2024	291,892	286,209	5,683
2025	298,026	291,340	6,686
2026	304,326	296,598	7,728
2027	310,844	301,959	8,884
2028	317,544	307,430	10,114
2029	324,314	312,971	11,343
2030	331,373	318,668	12,704
2031	338,607	324,451	14,156
2032	346,093	330,399	15,694

The PRM load forecasts, which are being provided separately to Staff, provide information regarding the PRM total energy requirements.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

3. A description of:
 - a. Each potential power source that was rejected;
 - b. The capital costs, operating costs, and maintenance costs of each rejected source;
and
 - c. The reasons for rejecting each source;

As discussed previously and demonstrated in AEPCO's response to F-9.b, AEPCO has no need for resources for its ARMs until 2022 under the anticipated contract extension for ST1, GT1, GT2 and GT3 beyond 2020 to 2035, and no obligations to its PRMs above their Allocated Capacity beyond this planning period. Due to the one month, small size of the ARM shortfall and the fact it occurs beyond its immediate planning horizon, AEPCO has not established firm plans for resolving it. However, as referenced in D-1.a (B-1.o) AEPCO does have an approved PPA with SRP with additional capacity not yet allocated. Once this PPA is allocated it may resolve the shortfall. Given this, no additional potential power sources have been entertained or rejected at present.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

4. A 15-year forecast of self generation by customers of the load-serving entity, in terms of annual peak production (megawatts) and annual energy production (megawatt-hours);

With the exception of meeting any state mandated renewable requirements, All Requirements Members of AEPCO contractually cannot have self-generation and must take all of their power requirements from AEPCO. Partial Requirements Members are each responsible to meet load above their allocated capacity in AEPCO resources and may use self generation to do so. AEPCO does not have information on PRM Member loads above their allocated capacity in AEPCO resources or the means by which the PRMs meet that load.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

5. Disaggregation of the forecast of subsection (D)(4) into two components, one reflecting the self generation projected if no additional efforts are made to encourage self generation, and one reflecting the self generation projected to result from the load-serving entity's institution of additional forecasted self generation measures;

Renewable generation of AEPCO's Class A Members is reported to the Arizona Corporation Commission (ACC) annually in their Renewable Energy Standard and Tariff (REST) plans. Refer to section D.9 for the most recent filing information of our members.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

6. A 15-year forecast of the annual capital costs and operating and maintenance costs of the self generation identified under subsection (D)(4) and (5);

Not Applicable. Please *see* responses provided in D.4 and 5.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

7. Documentation of the analysis of the self generation under subsections (D)(4) through (6);

Not Applicable. Please *see* prior responses.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

8. A plan that considers using a wide range of resources and promotes fuel and technology diversity within its portfolio;

Please refer to the response provided in D.3.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

9. A calculation of the benefits of generation using renewable energy resources;

As previously explained, AEPCO has no need for any additional generation resources, for the foreseeable future, so there are no benefits of generation to calculate, renewable or otherwise.

AEPCO Arizona Class A Members independently file REST plans annually with the ACC. Following is information regarding their most recent filings:

Member Cooperative	Year	Date Filed	Docket #
Duncan Valley Electric Cooperative, Inc.	2012	3/29/2013	E-01703A-11-0263
Graham County Electric Cooperative, Inc.	2012	3/29/2013	E-01749A-11-0258
Mohave Electric Cooperative, Inc.	2012	4/5/2013	E-01705A-12-0161
Sulphur Springs Valley Electric Cooperative, Inc.	2012	3/29/2013	E-01575A-10-0308
Trico Electric Cooperative, Inc.	2012	3/26/2013	E-01461A-11-0266

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

10. A plan that factors in the delivered cost of all resource options, including costs associated with environmental compliance, system integration, backup capacity, and transmission delivery;

Please refer to the response provided in D.3.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

11. Analysis of integration costs for intermittent resources;

AEPCO does not have intermittent resources in its resource portfolio.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

12. A plan to increase the efficiency of the load-serving entity's generation using fossil fuel;

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

13. Data to support technology choices for supply-side resources;

Because AEPCO does not require any new supply-side resources at this time, no technology choices are being made.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

14. A description of the demand management programs or measures included in the 15-year resource plan, including for each demand management program or measure:
 - a. How and when the program or measure will be implemented;
 - b. The projected participation level by customer class for the program or measure;
 - c. The expected change in peak demand and energy consumption resulting from the program or measure;
 - d. The expected reduction in environmental impacts, including air emissions, solid waste, and water consumption, attributable to the program or measure;
 - e. The expected societal benefits, societal costs, and cost-effectiveness of the program or measure;
 - f. The expected life of the measure; and
 - g. The capital costs, operating costs, and maintenance costs of the measure, and the program costs;

Because AEPCO supplies no power at retail and, therefore, has no customers for demand management programs or measures, none are included in AEPCO's plan.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

15. For each demand management measure that was considered but rejected:
 - a. A description of the measure;
 - b. The estimated change in peak demand energy consumption from the measure;
 - c. The estimated cost-effectiveness of the measure;
 - d. The capital costs, operating costs, and maintenance costs of the measure, and the program costs; and
 - e. The reasons for rejecting the measure;

See the response to D.14.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

16. Analysis of future fuel supplies that are part of the resource plan; and

AEPCO's generation is connected to the El Paso Natural Gas Southern System pipelines, which are located in immediate proximity to the Apache Generation Station. AEPCO has approximately 21,000 Dth of firm transportation in the winter months and approximately 33,000 Dth of firm transportation in the summer months. AEPCO also has 95,000 Dth of firm storage from Chevron Keystone Gas Storage, LLC, owned and operated by Chevron Pipe Line Company, located in Kermit Texas. The maximum daily injection quantity is 2,500 Dths and the maximum daily withdrawal quantity is 5,000 Dth per day.

AEPCO uses the transportation agreements to transport natural gas from the San Juan and Permian basins to Apache Station and uses the gas storage agreement to meet the hourly and daily balancing requirements on the El Paso Pipeline.

In November 2011, AEPCO received a decision from the Surface Transportation Board (STB) in its transportation rate case filed at the end of year 2008 whereby AEPCO received a ten year rate prescription (2009-2018) for coal transportation from various coal supply origins on the BNSF Railway in New Mexico, Wyoming and Montana. Since that time, AEPCO has developed a strategy for future coal supply and rail transportation related to it.

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

D.) A load-serving entity shall, by April 1 of each even year, file with Docket Control the following prospective analyses and plans, which shall compare a wide range of resource options and take into consideration expected duty cycles, cost projections, other analyses required under this Section, environmental impacts, and water consumption and may include a reference to the last filing made under this subsection for each item for which there has been no change since the last filing:

17. A plan for reducing environmental impacts related to air emissions, solid waste, and other environmental factors, and for reducing water consumption.

Apache Station is currently a zero liquid discharge facility and will maintain that status while focusing on increasing process water reuse plant-wide.

AEPCO continues to employ sound air pollution control practices in operating its Apache Station pollution control equipment. AEPCO maintains compliance with emission limits for total particulates, sulfur dioxide, nitrogen oxides and mercury in its air quality control permit.

AEPCO plans to meet the conditions of the Federal EPA MATS rule by the April 2016 compliance deadline. The current plan is to install additional equipment to utilize activated carbon injection (ACI) along with its current application of calcium bromide to oxidize mercury in the flue gas. ACI testing will be done during the summer 2014 in order to finalize the design.

During the last two years, AEPCO has completed precipitator rapper and electrode upgrades in order to be prepared for upcoming particulate regulations.

AEPCO also submitted an operating alternative to the regional haze regulations to the ADEQ and the EPA mandated for compliance in December 2017.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:

1. Analyses to identify and assess errors, risks, and uncertainties in the following, completed using methods such as sensitivity analysis and probabilistic analysis:
 - a. Demand forecasts;

The three All Requirements Member distribution cooperatives for which AEPCO has resource planning responsibility are Anza, Duncan, and Graham. Together they have a total annual medium economic peak demand forecast of less than 81 MW through 2028 based on the 2013 load forecast. Historically, they are also the slowest growing of AEPCO's Class A Members. Therefore, AEPCO does not expect significant growth for these ARM service territories. AEPCO is forecasting a total annual average growth rate in system requirements for the ARMs of 1.3% for the period 2012-2028, equating to a total system requirement forecast of 317,544 MWh by 2028 under the medium economic scenario.

The medium economic scenario is the most likely base case forecast. As required by RUS, AEPCO also studies sensitivities to the load forecast, including low and high economic conditions and low and high weather conditions, creating a range of potential forecasts of peak demand and energy requirements.

For the weather and economic bands generated around the base cases, the forecast models assume more extreme values for the weather or economic variables included in the regression equation. The bands assume constant upper and lower bounds around the base case, reflecting higher and lower loads due to severe (optimistic) or mild (pessimistic) conditions.

The purpose of evaluating these scenarios is to provide a set of forecasts that bound a range of plausible futures based upon weather and economic related influences—each of which are possible, but not assured.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:

1. Analyses to identify and assess errors, risks, and uncertainties in the following, completed using methods such as sensitivity analysis and probabilistic analysis:
 - b. The costs of demand management measures and power supply;

Because AEPCO serves power only at wholesale and has no retail load to which demand management programs would apply, no costs of demand management measures and risks on power supply are present or have been assessed. AEPCO does perform a sensitivity analysis of aggregated member forecasts which should adequately reflect demand side risks.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:

1. Analyses to identify and assess errors, risks, and uncertainties in the following, completed using methods such as sensitivity analysis and probabilistic analysis:
 - c. The availability of sources of power;

AEPCO has no need for resources for its ARMs until 2022 under the anticipated contract extension for ST1, GT1, GT2 and GT3 beyond 2020 to 2035, and no obligations to its PRMs above their Allocated Capacity beyond this planning period. Due to a very small ARM shortfall in one month of 2022 and the fact it occurs beyond its immediate planning horizon, AEPCO has not established firm plans for resolving it.

Therefore, AEPCO is not currently researching the availability of sources of new power on behalf of the Arizona Class A All Requirements Members as their load forecasts do not reflect a shortfall until the later part of years covered by this IRP. It is anticipated that any nominal shortfall will be mitigated by short-term or market purchases.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:

1. Analyses to identify and assess errors, risks, and uncertainties in the following, completed using methods such as sensitivity analysis and probabilistic analysis:
 - d. The costs of compliance with existing and expected environmental regulations;

[Begin Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEPCO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:

1. Analyses to identify and assess errors, risks, and uncertainties in the following, completed using methods such as sensitivity analysis and probabilistic analysis:
 - e. Any analysis by the load-serving entity in anticipation of potential new or enhanced environmental regulations;

[Begin Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED
PURSUANT TO THE PROTECTIVE AGREEMENT BETWEEN
AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:

1. Analyses to identify and assess errors, risks, and uncertainties in the following, completed using methods such as sensitivity analysis and probabilistic analysis:
 - f. Changes in fuel prices and availability;

Natural gas prices in recent years have experienced unprecedented price volatility, making the future of gas prices difficult to forecast. AEPCO enlists the services of ACES to forecast natural gas prices for Arizona. AEPCO's Class A all requirements members do not require any gas hedging due to their low volume. It is AEPCO's Class A partial PRMs' responsibility to hedge their gas exposure related to AEPCO resources. AEPCO does provide a hedging service that Mohave and Trico presently use.

Further, AEPCO began operation of its coal blending facility in 2004 which allows significant operational flexibility in types and qualities of coal burned. In addition, the November 22, 2013 STB ruling in favor of AEPCO on equitable rates from rail carriers has significantly increased supply flexibility. The effect of this ruling has been to open new coal markets for AEPCO which has helped stabilize long term coal fuel costs for Apache Generating Station.

Additionally, AEPCO's two load following coal-fired units, ST2 and ST3, have the flexibility of fuel switching. These units can burn natural gas in place of coal should the gas and coal market prices fluctuate making it more economical to operate in that manner. There is a change in the unit heat rate and approximately a four megawatt auxiliary reduction when switching to burning natural gas. As mentioned previously, AEPCO assumes EPA approval of SIP revisions based on petition reconsideration.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:

1. Analyses to identify and assess errors, risks, and uncertainties in the following, completed using methods such as sensitivity analysis and probabilistic analysis:
 - g. Construction costs, capital costs, and operating costs; and

As discussed previously, AEPCO is not currently engaged in construction due to the lack of new generation needed during the 15-year resource planning period. It is capable of reliably serving the demand of its ARM members under its current resource portfolio without incurring additional construction/capital costs.

As revised load forecasts require, AEPCO develops and updates a flexible set of both long and short-term plans that identify an optimal mix of demand and supply-side alternatives for potential future load growth scenarios. These plans include power supply planning models containing accurate representations of AEPCO's existing resources and any projected requirements for additional resources.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:

2. A description and analysis of available means for managing the errors, risks, and uncertainties identified and analyzed in subsection (E)(1), such as obtaining additional information, limiting risk exposure, using incentives, creating additional options, incorporating flexibility, and participating in regional generation and transmission projects; and

Through AEPCO's normal regional planning activities and those activities identified in the response to R14-2-703.E.1 AEPCO, as required by load growth, evaluates options and flexible opportunities to limit risk exposure and will pursue additional options as needed by participation in regional generation and transmission projects.

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

E.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a compilation of the following analyses and plan:

3. A plan to manage the errors, risks, and uncertainties identified and analyzed in subsection (E)(1).

AEPCO will continue to monitor the forward pricing for its costs including coal and natural gas. Specifically, on an ongoing basis, AEPCO coordinates both internally and with external entities including ACES to identify risks and develop hedging strategies as needed to limit exposures.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

1. Selects a portfolio of resources based upon comprehensive consideration of a wide range of supply- and demand-side options;

AEPCO has no need for resources for its ARMs until a very small shortfall in one month in 2022 and no obligations to its PRMs above their AC beyond this planning period. Due to the very small size of the ARM shortfall and the fact it occurs beyond its immediate planning horizon, AEPCO has not established firm plans for resolving it. However, as referenced in D-1.a (B-1.o) AEPCO does have an approved PPA with SRP with additional capacity not yet allocated. Once this PPA is allocated it may resolve the shortfall. Given this, no additional potential power sources have been entertained or rejected at present.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

2. Will result in the load-serving entity's reliably serving the demand for electric energy services;
-

AEPCO has an obligation to provide resource planning only on behalf of Duncan and Graham in the State of Arizona. AEPCO has already acquired, on behalf of these Arizona Class A Members, sufficient resources to fill forecast power requirements through 2022, at which time a minor one-month shortfall is forecast. The current resource profile anticipates contract extensions for ST1, GT1, GT2 and GT3 beyond 2020 to 2035. AEPCO does not have any plans for new generating units or long-term purchase power sources for the 15-year period.

Please *see* the response to D.3.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

3. Will address the adverse environmental impacts of power production;

AEPCO operates under an environmental commitment policy that confirms its responsibility to comply with all applicable laws, regulations and permit conditions and to conduct daily operations in a compliant manner. AEPCO strives to maintain its environmental performance at the highest standards possible.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

4. Will include renewable energy resources to meet or exceed the greater of the Annual Renewable Energy Requirement in R14-2-1804 or the following annual percentages of retail kWh sold by the load-serving entity:

Calendar Year	Percentage of Retail kWh Sold During Calendar Year
2010	2.5%
2011	3.0%
2012	3.5%
2013	4.0%
2014	4.5%
2015	5.0%
2016	6.0%
2017	7.0%
2018	8.0%
2019	9.0%
2020	10.0%
2021	11.0%
2022	12.0%
2023	13.0%
2024	14.0%
After 2024	15.0%

AEPCO sells no electricity at retail. It is not an Affected Utility as defined in R14-2-1801.A, and, therefore, is not subject to the requirements of R14-2-1804 or R14-2-1805. *See also* Decision No. 73884 at Finding No. 5 that AEPCO's IRP is not required to meet the Annual Renewable Energy Requirement, the Distributed Energy Requirement and the Energy Efficiency Standard. AEPCO Class A Members independently file REST plans annually with the ACC. Following is the most recent filing at this date:

Member Cooperative	Year	Date Filed	Docket #
Duncan Valley Electric Cooperative, Inc.	2012	3/29/2013	E-01703A-11-0263
Graham County Electric Cooperative, Inc.	2012	3/29/2013	E-01749A-11-0258
Mohave Electric Cooperative, Inc.	2012	4/5/2013	E-01705A-12-0161
Sulphur Springs Valley Electric Cooperative, Inc.	2012	3/29/2013	E-01575A-10-0308
Trico Electric Cooperative, Inc.	2012	3/26/2013	E-01461A-11-0266

Anza Electric Cooperative, Inc. is located in California and has no Arizona REST compliance obligation.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

5. Will include distributed generation energy resources to meet or exceed the greater of the Distributed Renewable Energy Requirement in R14-2-1805 or the following annual percentages as applied to the load-serving entity's Annual Renewable Energy Requirement:

2007	5%
2008	10%
2009	15%
2010	20%
2011	25%
After 2011	30%

See the response to R14-2-703.F.4, Finding 5 of Decision No. 73884, the Commission's 2013 IRP Order. AEPCO's Member distribution cooperatives do supply power at retail and annually submit renewable plans for approval by the Commission pursuant to R14-2-1814. Upon Commission approval of those plans, their provisions substitute for the requirements of Rules 1804 and 1805.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

6. Will address energy efficiency so as to meet any requirements set in rule by the Commission or in an order of the Commission;

AEPCO is not subject to any energy efficiency requirements set in rule by the Commission. AEPCO supplies no electricity at retail and, therefore, is not an “Affected Utility” as that term is defined in R14-2-2401.2 of the Commission’s Electric Energy Efficiency Standards rules. As the Commission stated at Finding 5 of Decision No. 73884, AEPCO is not required to meet the “requirements of the...Energy Efficiency Standard.”

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

7. Will effectively manage the uncertainty and risks associated with costs, environmental impacts, load forecasts, and other factors;

In AEPCO's last rate case decision, Decision No. 74173 dated October 25, 2013, the Commission confirmed Staff and AEPCO's agreement that it would continue to conduct its study of the future role of the Apache Station and how that role relates to its members' needs for future power supply. AEPCO will include, among other things, in that study potential rate impacts associated with known or pending EPA regulatory actions that could impact Apache Station. Data gathering concerning actual usage of Apache Station has been conducted concerning the rate designs and usage patterns associated with the Station in order to assess its role and potential environmental impacts. AEPCO currently anticipates the study will be completed and filed as directed with the Commission by June 30, 2014.

Please *see* the response to R14-2-703.E.1.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

8. Will achieve a reasonable long-term total cost, taking into consideration the objectives set forth in subsections (F)(2) through (7) and the uncertainty of future costs; and

As discussed in prior responses, given the small need for resources which will not occur until the next decade at the earliest, AEPCO has not identified any need for additional generation resources.

Because no new generation resource options are being considered at this time, there are no additional long-term costs to be taken into consideration outside of those associated with AEPCO's current resource mix.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

9. Contains all of the following:

- a. A complete description and documentation of the plan, including supply and demand conditions, availability of transmission, costs, and discount rates utilized;

Please *see* prior responses.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

9. Contains all of the following:

b. A comprehensive, self-explanatory load and resources table summarizing the plan;

The following pages contain a load and resources table in relation to AEPCO's plan to meet its Class A Members' loads within the planning period by continuation of operations of certain of the existing generation resources or by short-term purchase power arrangements.

[Response continues on next page.]

2013 Integrated Resource Planning Actual Data Filing

[Begin Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEP&CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEP&CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEP CO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEPCCO AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

[Response continues on next page.]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEP&O AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

[Continue Confidential Information]

[End Confidential Information]

**THIS PAGE CONTAINS CONFIDENTIAL INFORMATION PROTECTED PURSUANT TO THE
PROTECTIVE AGREEMENT BETWEEN AEP&O AND STAFF DATED FEBRUARY 13, 2014.**

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

9. Contains all of the following:

c. A brief executive summary;

The three All Requirements Member distribution cooperatives for which AEPCO has resource planning responsibility are Anza, Duncan, and Graham. Together they have a total annual medium economic peak demand forecast of less than 81 MW through 2028 based on the 2013 load forecast. Historically, they are also the slowest growing of AEPCO's Class A Members. Therefore, AEPCO does not expect significant growth for these ARM service territories. AEPCO is forecasting a total annual average growth rate in system requirements for the ARMs of 1.3% for the period 2012-2028, equating to a total system requirement forecast of 317,544 MWh by 2028 under the medium economic scenario.

AEPCO has already acquired, on behalf of these Class A ARMs, sufficient resources to fulfill forecast power requirements through 2022, at which time a minor one-month shortfall is forecast. The current resource profile anticipates contract extensions for ST1, GT1, GT2 and GT3 beyond 2020 to 2035. AEPCO does not have any plans for new generating units or long-term purchase power sources for the 15-year period. All of AEPCO's generation is located at Apache Station. Apache Station consists of two coal steam units (175 MW each), one gas steam unit (72 MW) and four gas turbines ranging from 10 MW to 65 MW. In a normal year, ST2 and ST3 are both on-line except during March and/or April, when one of the units is off-line for a major or minor overhaul. When ST2 and ST3 are both committed, they are dispatched economically each hour. The remaining units are dispatched seasonally or daily as needed to meet load on an economic basis. After conversion to gas usage (assuming EPA approval of SIP revisions), ST2 will also be dispatched seasonally or daily as needed to meet load. If AEPCO is able to economically purchase power against the gas units, AEPCO makes economy purchases prior to starting the gas units.

As a preference customer, AEPCO also has contract entitlements to Parker-Davis hydro and Salt Lake City Area Integrated Projects capacity (Colorado River Storage Project hydro). These hydro contracts are AEPCO's least expensive resources and are scheduled to the extent allowed in each contract against AEPCO's loads. This tends to level the output required from Apache Station and maximize station efficiency. AEPCO also enters into take-or-pay contracts (block purchases) that are used for fuel displacement and maintenance outage coverage.

AEPCO's wholesale power contracts with its Class A Members currently reflect discontinuation of operations of Apache Generating Station's CC1, GT2, and GT3 units as of December 31, 2020. However, AEPCO has assessed the costs and other consequences of this scheduled discontinuation and conducted meetings with AEPCO's Class A Members' to discuss contract extensions beyond the expiration date of 2020. It is anticipated that these contracts will be extended beyond 2020 to the year 2035.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

9. Contains all of the following:

d. An index to indicate where the responses to each filing requirement of these rules can be found; and

Please *see* Tab D.

2013 Integrated Resource Planning Actual Data Filing

R14-2-703. Load-serving Entity Reporting Requirements

F.) A load-serving entity shall, by April 1 of each even year, file with Docket Control a 15-year resource plan that:

9. Contains all of the following:

e. Definitions of the terms used in the plan.

Abbreviation	Description
AC	Allocated Capacity
ACC	Arizona Corporation Commission
ACI	Activated Carbon Injection
ADEQ	Arizona Department of Environmental Quality
AHP	Available Hydro Power
ARM	All Requirements Member
Anza	Anza Electric Cooperative, Inc.
AEPCO	Arizona Electric Power Cooperative, Inc.
BART	Best Available Retrofit Technology
CARM	Collective All Requirements Member
CC1	Combined Cycle 1
CCR	Coal Combustion Residuals
CROD	Contract Rate of Delivery
Duncan	Duncan Valley Electric Cooperative, Inc.
EPA	Environmental Protection Agency
FIP	Federal Implementation Plan
FRST	Financial Risk and Strategy Tool
Graham	Graham County Electric Cooperative, Inc.
GT1	Gas Turbine 1
GT2	Gas Turbine 2
GT3	Gas Turbine 3
GT4	Gas Turbine 4
HAP	Hazardous Air Pollutant
MATS	Mercury and Air Toxics Rule
Mohave	Mohave Electric Cooperative, Inc.
NAAQS	National Ambient Air Quality Standards
Navopache	Navopache Electric Cooperative, Inc.
NO _x	Oxides of Nitrogen
PRM	Partial Requirements Member
PaR	Planning and Risk Production Cost Modeling Software
PPA	Purchase Power Agreement
PRS	Power Requirement Study
PV ICE	Palo Verde Intercontinental Exchange

2013 Integrated Resource Planning Actual Data Filing

Abbreviation	Description
RACT	Reasonably Available Control Technology
REST	Renewable Energy Standard and Tariff
RFP	Request for Proposal
RUS	Rural Utilities Service
SCR	Selective Catalytic Reduction
SIP	State Implementation Plan
Sierra	Sierra Southwest Cooperative Services, Inc.
SLC-IP	Salt Lake City Area Integrated Project
SNCR	Selective Non-Catalytic Reduction
SNR	Selective Catalytic Reduction
SoCal	Southern California
SO ₂	Sulfur Dioxide
SRP	Salt River Project and Power District
SRSRG	Southwest Reserve Sharing Group
STB	Surface Transportation Board
ST1	Steam Turbine 1
ST2	Steam Turbine 2
ST3	Steam Turbine 3
Sulphur	Sulphur Springs Valley Electric Cooperative, Inc.
SWTC	Southwest Transmission Cooperative, Inc.
Trico	Trico Electric Cooperative, Inc.
WECC	Western Electricity Coordinating Council

2014 Integrated 15-Year Resource Plan

R14-2-703. Load-serving Entity Reporting Requirements

H.) With its resource plan, a load-serving entity shall include an action plan, based on the results of the resource planning process, that:

1. Includes a summary of actions to be taken on future resource acquisitions;
 2. Includes details on resource types, resources capacity, and resource timing; and
 3. Covers the three-year period following the Commission's acknowledgment of the resource plan.
-

The three All Requirements Member distribution cooperatives for which AEPCO has resource planning responsibility are Anza, Duncan, and Graham. Together they have a total annual medium economic peak demand forecast of less than 81 MW through 2028 based on the 2013 load forecast. Historically, they are also the slowest growing of AEPCO's Class A Members. Therefore, AEPCO does not expect significant growth for these ARM service territories. AEPCO is forecasting a total annual average growth rate in system requirements for the ARMs of 1.3% for the period 2012-2028, equating to a total system requirement forecast of 317,544 MWh by 2028 under the medium economic scenario.

The current resource profile indicates a small need to acquire approximately 0.3 MW of resources in 2022 growing to 7.2 MW in 2028 assuming that the current contract end dates of 2020 for ST1, GT1, GT2, and GT3 are extended beyond 2020 to 2035.

Therefore, AEPCO is not currently researching the availability of sources of new power as none are currently needed. It is anticipated that the possible nominal shortfall in late years of the forecast will be mitigated by short-term market purchases. AEPCO will continue to monitor the Class A Member Distribution Cooperatives' load forecasts to determine the timing and necessity of any short term resource acquisitions.

TAB A

THIS PAGE LEFT INTENTIONALLY BLANK

TAB B

THIS PAGE LEFT INTENTIONALLY BLANK

TAB C

THIS PAGE LEFT INTENTIONALLY BLANK