

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,286 MW
Hydro	2,146 MW
Distillate	0 MW
Total TNB	<u>5,432 MW</u>
Total IPP	<u>13,027 MW</u>
Total Co-Gen	0 MW
Total System	<u>18,741 MW</u>

### Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	36	<b>Total</b>	<b>0</b>
GLGR	58		
PAKA	129		
PGPS	40		
SRDG	10		
TJGS	9		
TJGS	112		
<b>Total TNB</b>	<b>393</b>		
KLPP	120		
NPRI	154		
PGLA	118		
PKLG	7		
PLPS	102		
PTEK	8		
SGB3	71		
SGRI	205		
SKSP	49		
<b>Total IPP</b>	<b>833</b>		
<b>Total Gas</b>	<b>1,226</b>		
<b>Total Gas Required</b>	<b>1,226</b>		

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	17,252 MW
TNB Generation	4,063 MW
IPP Generation	11,876 MW
Spinning Reserve	1,244 MW
Maximum Demand	16,073 MW
Net Energy	334,936 MWH
Load Factor	86.83 %

### Generation Mix

Type	MWh	Percentage
Gas	49,534	14.79 %
Hydro	20,713	6.18 %
<b>Total TNB</b>	<b>70,247</b>	<b>20.97 %</b>
ST-Coal	149,719	44.70 %
Gas	112,445	33.57 %
<b>Total IPP</b>	<b>262,164</b>	<b>78.27 %</b>
Co-Gen	1,688	0.50 %
<b>Total Co-Gen</b>	<b>1,688</b>	<b>0.50 %</b>
<b>Total Generation</b>	<b>334,099</b>	<b>99.75 %</b>
PLTG	-227	-0.07 %
HVDC	-610	-0.18 %
<b>Interconnection</b>	<b>-837</b>	<b>-0.25 %</b>
<b>Net Energy</b>	<b>334,936</b>	<b>100.00 %</b>

### Fuel Cost

### Average Spinning Reserve During Peak Hour

Type	MW
GT	423
Hydro	304
Syncon	538
Thermal	110
<b>Total</b>	<b>1,375</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

### Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	13004	12324	11856	11558	11300	11125	11430	11766	12229	14142	15095	15694	15692	15343	15798	16007	16013	15721	14571	14371	15377	15222	14689	14324



### Daily MW Generation on Monday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																											
PLPS	GT12	135	138	141	140	137	138	137	137	137	137	136	138	137	141	137	143	143	143	142	141	140	139	134	134	137	139	137	133	132	137	138	137	133	139	131	73	120	140	141	142	136	142	135	119	118	120					
PLPS	GT13	129	125	129	129	127	127	127	126	126	126	126	126	126	130	125	146	149	147	146	145	145	145	139	140	143	144	142	140	139	142	143	143	138	143	139	97	112	133	132	133	129	133	126	112	112	0					
PLPS	ST18	199	142	140	140	141	140	141	139	140	141	140	140	139	139	140	143	198	214	213	213	212	212	212	211	209	211	211	211	209	208	212	211	211	209	212	209	166	193	212	211	211	211	211	209	200	199	135				
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	129	139	142	142	113	112	107	106	110	119	143	143	141	143	142	142	140	141	104	63	75	142	143	142	141	142	138	142	142	29	
SGB3	GT33	0	0	0	0	0	0	0	0	0	28	40	39	51	67	146	145	147	147	147	144	148	147	113	112	108	106	110	118	145	142	142	146	142	144	140	144	104	63	92	144	145	144	142	143	138	144	144	146			
SGB3	ST34	0	0	0	0	0	0	0	0	0	0	0	0	0	10	37	67	67	67	67	67	67	140	152	152	222	210	208	206	205	205	202	222	221	221	223	223	223	223	222	198	149	149	222	222	222	222	221	221	189	153	108
SGRI	GT11	138	136	136	137	137	136	136	137	137	137	137	137	137	139	139	137	137	137	119	141	141	141	141	141	141	141	141	143	143	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	140	139	140				
SGRI	GT12	143	148	144	147	147	146	146	148	148	148	148	148	148	149	149	147	147	122	148	148	148	146	146	145	145	146	146	145	146	146	146	146	146	146	144	144	144	144	144	144	147	147	148	148	148	20					
SGRI	GT13	136	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	109	137	135	135	133	133	135	135	135	135	134	134	134	134	134	135	135	135	134	134	134	136	137	137	136	136	136					
SGRI	ST14	218	196	152	148	150	152	149	149	150	151	151	150	150	146	147	150	186	215	217	216	214	218	201	218	218	220	218	217	221	219	216	219	216	217	217	219	220	220	222	220	217	218	217	219	218	182					
SGRI	GT21	137	136	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	137	134	126	135	135	136	113	112	127	136	133	113	113	135	124	128	113	121	113	134	127	116	119	119	114	117	113	118	117	136		
SGRI	GT22	141	139	140	139	137	126	135	141	118	117	117	119	143	136	116	125	136	143	140	137	130	142	141	141	120	114	124	140	139	117	113	139	124	129	112	122	113	137	130	122	117	119	115	119	115	117	117	139			
SGRI	GT23	162	160	164	158	153	147	136	166	142	126	127	133	153	156	136	138	137	174	182	176	122	124	139	134	124	120	112	140	142	123	103	142	130	140	113	111	105	120	136	112	121	129	111	115	117	120	120	140			
SGRI	ST24	215	215	181	140	145	132	131	146	136	132	132	132	143	143	133	133	135	167	216	210	213	217	212	220	211	201	197	215	217	198	198	216	215	197	202	197	204	214	196	201	198	199	198	193	202	202	213				
SKSP	BLK1	280	283	249	278	289	262	264	342	239	218	229	245	338	323	238	248	265	317	340	344	264	340	324	324	285	296	254	276	342	296	291	227	217	218	218	218	218	219	217	220	217	221	221	218	219	263	334				
TJGS	GT2A	219	219	219	221	221	221	221	221	221	221	221	219	219	221	221	219	219	221	221	219	219	219	219	219	219	219	219	219	217	217	219	217	219	219	219	219	219	219	221	221	221	221	221	221	221	221	221	221			
TJGS	GT2B	215	215	215	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216			
TJGS	ST2C	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256			
Total CCGT-Gas		5601	5355	5051	5083	5075	5014	5029	5204	5082	5059	5116	5166	5426	5457	5381	5486	5721	6117	6524	6844	6831	7213	7571	7619	7539	7613	7536	7633	7845	7710	7688	7792	7740	7755	7606	7692	7423	6944	7139	7628	7652	7666	7607	7649	7551	7226	7112	6611			
PCLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TJGS	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY01	11	11	12	11	11	11	11	12	11	11	11	11	12	11	11	11	12	12	11	11	11	12	12	11	11	11	12	11	11	11	12	11	12	11	12	11	12	11	12	12	12	12	11	12	11	12	12	12	12		
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
HTRG	HY02	-1	-1	-1	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY01	20	20	21	21	21	20	21	21	21	21	21	21	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
KNYR	HY01	105	105	105	105	105	105	105	106	105	105	105	105	105	105	105	105	105	106	106	105	105	105	106	105	105	104	106	105	104	104	105	1																			

### Daily MW Generation on Monday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-1	-1	-1	84	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	-1	-1	-1	87	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	37	37	38	39	37	37	39	43	39	38	38	39	40	40	39	40	40	43	38	38	35	37	33	33
UJLI	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
<b>Total Hydro</b>		<b>710</b>	<b>710</b>	<b>713</b>	<b>978</b>	<b>738</b>	<b>736</b>	<b>739</b>	<b>749</b>	<b>739</b>	<b>717</b>	<b>717</b>	<b>718</b>	<b>720</b>	<b>741</b>	<b>736</b>	<b>738</b>	<b>739</b>	<b>916</b>	<b>1008</b>	<b>1113</b>	<b>1293</b>	<b>1183</b>	<b>1220</b>	<b>1319</b>
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
PCUF	CUFG	36	36	36	36	35	35	34	35	36	36	36	36	35	36	38	37	39	40	38	38	39	38	37	36
PCUF	CUFK	32	31	34	32	31	31	32	30	32	32	32	33	32	31	33	32	33	32	31	33	32	31	33	32
<b>Total Co-Gen</b>		<b>68</b>	<b>67</b>	<b>70</b>	<b>68</b>	<b>66</b>	<b>66</b>	<b>65</b>	<b>68</b>	<b>68</b>	<b>68</b>	<b>69</b>	<b>68</b>	<b>66</b>	<b>69</b>	<b>70</b>	<b>70</b>	<b>71</b>	<b>71</b>	<b>71</b>	<b>70</b>	<b>68</b>	<b>71</b>	<b>70</b>	<b>69</b>
<b>Total Gen</b>		<b>12999</b>	<b>12641</b>	<b>12289</b>	<b>11966</b>	<b>11819</b>	<b>11726</b>	<b>11480</b>	<b>11361</b>	<b>11227</b>	<b>10964</b>	<b>11045</b>	<b>11102</b>	<b>11354</b>	<b>11730</b>	<b>11724</b>	<b>11851</b>	<b>12229</b>	<b>13372</b>	<b>14114</b>	<b>14598</b>	<b>15055</b>	<b>15363</b>	<b>15671</b>	<b>15808</b>
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		30	30	30	-28	-28	-29	-29	-29	-30	-30	-29	-29	-30	-28	-28	-28	-31	-28	-28	-28	-30	-30	-29	-29
TIE-PLTG		-35	-57	-66	-48	-9	4	-49	21	-44	-36	-50	-18	-46	28	-14	1	28	-10	0	-69	-12	41	6	6
Interconnection		-5	-27	-35	-75	-37	-25	-78	-9	-73	-65	-80	-48	-76	-2	-42	-26	0	-41	-28	-97	-40	11	-23	-24
<b>System Total</b>		<b>13004</b>	<b>12668</b>	<b>12324</b>	<b>12041</b>	<b>11856</b>	<b>11751</b>	<b>11558</b>	<b>11370</b>	<b>11300</b>	<b>11029</b>	<b>11125</b>	<b>11150</b>	<b>11430</b>	<b>11732</b>	<b>11766</b>	<b>11877</b>	<b>12229</b>	<b>13413</b>	<b>14142</b>	<b>14695</b>	<b>15095</b>	<b>15352</b>	<b>15694</b>	<b>15832</b>
SRev ST-Coal		467	475	527	468	468	487	533	551	561	563	558	552	564	532	477	462	420	215	155	96	106	106	93	100
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		313	357	455	220	228	289	274	269	391	740	683	633	584	499	575	470	658	545	667	745	758	517	206	198
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-47	-46	-49	-47	-45	-45	-45	-44	-47	-47	-47	-48	-47	-45	-48	-49	-49	-50	-50	-49	-47	-48	-46	-49
Syncon		763	763	763	313	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
Hydro		195	195	192	377	319	321	318	308	318	190	190	189	187	191	194	192	191	164	222	167	160	269	317	405
<b>S.Reserve Total</b>		<b>1691</b>	<b>1744</b>	<b>1888</b>	<b>1331</b>	<b>1456</b>	<b>1538</b>	<b>1566</b>	<b>1570</b>	<b>1709</b>	<b>1932</b>	<b>1870</b>	<b>1812</b>	<b>1774</b>	<b>1663</b>	<b>1684</b>	<b>1561</b>	<b>1706</b>	<b>1360</b>	<b>1480</b>	<b>1444</b>	<b>1318</b>	<b>1276</b>	<b>1100</b>	<b>1003</b>