

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	1,965 MW
Hydro	1,844 MW
Distillate	0 MW
Total TNB	3,809 MW
Total IPP	16,334 MW
Total Co-Gen	0 MW
Total System	20,143 MW

### Generation Mix

Type	MWh	Percentage
Gas	24,755	6.93 %
Hydro	27,169	7.61 %
<b>Total TNB</b>	<b>51,924</b>	<b>14.54 %</b>
ST-Coal	215,400	60.30 %
ST-Gas	1,385	0.39 %
ST-Oil	2,460	0.69 %
Gas	84,975	23.79 %
<b>Total IPP</b>	<b>304,220</b>	<b>85.16 %</b>
Co-Gen	442	0.12 %
<b>Total Co-Gen</b>	<b>442</b>	<b>0.12 %</b>
<b>Total Generation</b>	<b>356,586</b>	<b>99.82 %</b>
PLTG	64	0.02 %
HVDC	-695	-0.19 %
<b>Interconnection</b>	<b>-631</b>	<b>-0.18 %</b>
<b>Net Energy</b>	<b>357,217</b>	<b>100.00 %</b>

### Maximum Demand Record

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

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

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,219 MW
TNB Generation	2,913 MW
IPP Generation	13,869 MW
Spinning Reserve	1,417 MW
Maximum Demand	16,828 MW
Net Energy	357,217 MWH
Load Factor	88.45 %

### Fuel Cost

Total Cost:	54,713,055.40 RM
Cost per Unit	16.61 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	684
Hydro	324
Syncon	98
Thermal	237
<b>Total</b>	<b>1,343</b>

### Time Weather Temperature

Afternoon	Sunny	34
Morning	Cloudy	25

### Gas Usage

Station	(mmscfd)
GLGR	53
SRDG	3
TJGS	127
<b>Total TNB</b>	<b>184</b>
CBPS	52
KLPP	83
MPSS	29
NPRI	139
PGLA	76
PLPS	75
PTEK	5
SGB3	72
YPKA	93
PKLG	14
<b>Total IPP</b>	<b>638</b>
<b>Total Gas</b>	<b>822</b>

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	26
<b>Total</b>	<b>26</b>

**Total Gas Required 847**

### 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	14369	13822	13234	12894	12620	12429	12603	12730	13120	14788	15910	16509	16496	16141	16562	16785	16660	16233	15168	15330	16112	15962	15306	14819



### Daily MW Generation on Thursday

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	
TJGS	GT1B	139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	ST1C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	117	123	123	123	123	123	115	115	97	97
TJGS	GT2A	148	148	148	146	148	149	129	129	129	129	129	129	129	128	128	215	215	215	215	215	215	215	215	215	215
TJGS	GT2B	143	143	144	144	145	142	125	122	125	124	124	123	123	124	125	124	124	210	210	209	210	210	210	210	210
TJGS	ST2C	210	210	210	210	210	201	198	198	198	198	198	198	198	198	255	255	258	258	258	258	256	256	256	256	258
YPKA	GT11	134	135	134	133	134	102	45	45	45	44	45	45	46	46	44	45	127	134	133	131	133	133	132	131	129
YPKA	GT12	134	135	134	133	134	103	60	60	60	60	61	62	62	61	60	129	134	135	132	134	133	132	132	130	133
YPKA	ST10	127	128	128	127	127	105	70	62	62	63	62	64	63	63	62	103	129	131	132	131	132	131	131	132	132
YPKA	GT2J	134	135	135	133	134	134	55	55	55	54	55	55	56	56	55	54	131	133	133	131	134	132	132	128	130
YPKA	ST20	64	65	65	64	64	65	36	33	32	33	33	33	32	33	32	57	65	65	66	66	66	66	66	66	64
Total CCGT-Gas		4175	3940	3791	3545	3237	3217	2997	2854	2878	2799	2706	2878	2894	3016	2844	2825	3222	4197	4591	5014	5279	5483	5558	6198	6076
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	28	25	26	28	33	26	28	0	0
PTEK	GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	29	25	28	29	33	28	29	28	0
SRDG	GT04	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	106	57	50	54	57	66	67	147	118	114
BSIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21
BSIA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
BSIA	HY03	22	22	22	22	22	22	22	22	22	22	22	22	22	24	24	24	24	25	25	25	25	24	24	25	24
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY04	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	HY01	63	62	62	62	62	63	63	62	-1	-1	-1	-1	63	63	63	63	63	63	99	99	99	99	99	99	99
HTRG	HY02	64	63	63	63	63	63	63	64	64	64	64	63	63	63	63	100	100	100	100	100	100	100	100	100	100
KNRG	HY01	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	37	37	37	37	37	37	37	37
KNYR	HY01	99	100	100	99	98	100	99	98	100	99	100	100	100	99	99	100	100	97	98	94	93	98	99	98	97
KNYR	HY02	99	101	101	99	98	100	99	98	100	99	101	101	99	99	100	100	100	98	94	93	98	100	98	97	98
KNYR	HY03	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	96	95	95	95	95	95	95	95
KNYR	HY04	100	100	100	100	99	100	100	99	100	100	100	100	100	100	100	98	99	95	94	99	100	99	98	95	95
LPIA	HY01	15	14	14	14	14	14	14	15	15	15	14	14	15	15	15	15	15	20	20	20	20	20	20	21	21
LPIA	HY02	11	11	11	11	11	11	11	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	3	3	3	3	3	3
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	41	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	46	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	49	49	49	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	15	15	15	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	16	16	16	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	16	16	16	0	0	0	0	0
TMGR	HY01	72	62	62	62	72	72	72	72	42	41	41	42	42	72	72	71	72	72	71	72	72	69	71	71	68
TMGR	HY02	73	73	73	73	73	74	73	43	43	42	43	43	74	74	74	73	73	73	73	73	73	70	73	73	70
TMGR	HY03	70	70	70	70	70	70	40	40	39	40	40	70	70	70	70	70	69	64	67	70	70	63	65	64	61
TMGR	HY04	71	71	71	71	71	71	41	41	40	41	41	71	71	71	71	71	71	65	68	70	71	68	70	68	66
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	96	89	86	76	85	-1	-1	88	93
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	88	79	86	91	94	85	89	87	79
UPIA	HY01	6	6	6	6	6	6	4	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	5

Daily MW Generation on Thursday

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																													
Total Hydro		1020	1010	1009	1007	1014	1020	1019	1015	831	836	832	838	837	1020	1019	1019	1017	1022	1022	1093	1351	1357	1473	1476	1405	1241	1186	1195	1429	1491	1493	1454	1370	1237	1146	1023	1061	1062	1088	1255	1185	1180	1185	1184	1085	1064	1053	1062					
Total Distillate		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			
PCUF	CUFK	17	17	18	18	19	20	18	17	19	18	18	18	18	19	18	18	18	18	18	18	17	19	19	18	19	18	20	18	17	20	18	18	18	18	17	20	19	17	19	19	19	20	21	19	19	18	19	20	18				
Total Co-Gen		17	17	18	18	19	20	18	17	19	18	18	18	18	19	18	18	18	18	18	18	17	19	19	18	19	18	20	18	17	20	18	18	18	18	17	20	19	17	19	19	19	20	21	19	19	18	19	20	18				
Total Gen		14346	14023	13795	13494	13183	13091	12864	12693	12560	12488	12395	12567	12582	12902	12702	12671	13106	14197	14741	15293	15859	16153	16461	16616	16489	16278	16154	16221	16574	16802	16767	16739	16678	16593	16205	15696	15152	15035	15277	16095	16092	16029	15921	15681	15366	15204	14756	14564					
TIE-BGAT		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			
TIE-HVDC		-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29			
TIE-PLTG		6	0	2	38	-22	4	-1	6	-31	21	-5	19	8	-17	1	42	14	-40	-18	-3	-22	-76	-18	18	22	18	42	-48	41	3	11	47	47	59	1	14	14	-14	-24	0	9	-33	-12	-42	89	23	-34	-29					
Interconnection		-23	-29	-27	9	-51	-25	-30	-22	-60	-9	-34	-10	-21	-46	-28	13	-14	-69	-47	-31	-51	-105	-48	-11	-7	-11	13	-77	12	-26	-18	18	18	30	-28	-16	-16	-44	-53	-28	-20	-62	-41	-70	60	-6	-63	-58					
System Total		14369	14052	13822	13485	13234	13116	12894	12715	12620	12497	12429	12577	12603	12948	12730	12658	13120	14266	14788	15324	15910	16258	16509	16627	16496	16289	16141	16298	16562	16828	16785	16721	16660	16563	16233	15712	15168	15079	15330	16123	16112	16101	15962	15751	15306	15210	14819	14622					
SRev ST-Coal		183	261	331	133	144	173	177	200	175	172	168	173	174	160	186	198	172	314	170	209	201	227	275	221	202	20	201	194	219	191	192	93	234	198	231	215	200	212	171	221	222	221	215	223	228	231	217	192					
SRev ST-Oil		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	0		
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	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		
SRev CCGT-Gas		1354	1143	802	1048	1356	1376	1826	2229	1840	1919	2012	1840	1824	1702	1967	1986	1589	839	922	499	234	272	498	396	510	826	893	849	706	639	692	754	796	758	938	990	1349	1514	1249	575	559	609	486	627	837	976	1059	898					
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29	30	32	62	65	68	70	73	74	74	74	73	73	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		13	13	12	12	11	10	12	13	11	12	12	13	12	11	12	12	13	11	12	12	13	11	11	12	11	12	10	12	13	10	12	12	12	13	10	11	13	11	11	11	10	9	11	11	12	11	10	12					
Syncon		374	374	374	374	374	374	374	374	500	500	500	500	500	374	374	374	374	374	374	374	374	187	187	0	0	0	0	187	187	0	0	0	0	0	0	0	0	0	0	0	0	0	126	126	126	126	252	252	252	500			
Hydro		184	194	195	197	190	184	185	196	254	249	253	247	248	191	192	192	194	189	189	118	272	266	337	327	405	344	205	109	237	312	317	356	440	566	664	612	524	523	497	330	274	279	274	275	248	262	273	23					
S.Reserve Total		2108	1985	1714	1764	2075	2117	2574	3012	2780	2852	2945	2773	2758	2438	2731	2762	2370	1756	1697	1244	969	1028	1299	1185	1367	1438	1729	1575	1521	1417	1399	1325	1592	1562	1834	1818	2076	2250	1918	1127	1181	1234	1102	1252	1567	1722	1801	1615					