

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,504 MW
Distillate	0 MW
Total TNB	5,306 MW
Total IPP	17,979 MW
Total Co-Gen	60 MW
Total System	23,917 MW

Generation Mix

Type	MWh	Percentage
Gas	29,620	10.66 %
Hydro	12,458	4.48 %
Total TNB	42,078	15.15 %
ST-Coal	174,526	62.82 %
Gas	60,142	21.65 %
Total IPP	234,668	84.47 %
Co-Gen	305	0.11 %
Total Co-Gen	305	0.11 %
Total Generation	277,051	99.73 %
PLTG	-55	-0.02 %
HVDC	-698	-0.25 %
Interconnection	-753	-0.27 %
Net Energy	277,804	100.00 %

Maximum Demand Record

Date: 6/6/2018	18,010 MW
Date: 6/7/2018	382,778 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	15,811 MW
TNB Generation	1,884 MW
IPP Generation	11,767 MW
Spinning Reserve	2,116 MW
Maximum Demand	13,655 MW
Net Energy	277,804 MWH
Load Factor	84.77 %

Fuel Cost

Total Cost:	45,646,306.25 RM
Cost per Unit	17.25 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	387
Hydro	457
Syncon	910
Thermal	104
Total	1,858

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	31
SRDG	6
TJGS	174
Total TNB	211
CBPS	52
NPRI	146
PGLA	69
PLPS	44
PTEK	5
SGRI	3
YPKA	32
Total IPP	351
Total Gas	561
Total Gas Required	561

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13655	13122	12515	11982	11551	11185	11126	10931	10281	10192	10406	10525	10571	10803	11122	11146	11214	11425	11272	11618	12859	12902	12747	12664

Daily MW Generation on Friday

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
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
CEND	HY02	9	9	9	10	10	10	9	9	9	9	9	9	10	10	10	9	9	10	10	9	10	10	10	10
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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
HTRG	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
KNRG	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	34	34	34	34	34
KNYR	HY01	66	64	98	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
KNYR	HY02	0	0	101	100	100	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
KNYR	HY03	0	0	98	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
KNYR	HY04	-1	-1	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
MNOR	HY01	5	5	5	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	18	18	19	-1	-1	-1	-1	-1	-1	21	21	20	22	22	21	21
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	18	-1	-1	-1	21	-1	-1	22	21	21	22	21	22	22	22	23	22	22	23	23	22	22
PGAU	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
SIHY	HY01	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	51	31	31	0
SIHY	HY02	50	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	31	31	0	0
SIHY	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
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	25	17	17	0
SYPS	HY02	25	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	25	17	17	0
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	-1	-1	-1	-1	-1	83	-1	-1	-1	-1	-1	-1	-1	-1	31	31	32	33	33	-1	-1
TMGR	HY02	33	34	33	33	33	34	34	34	85	85	85	65	35	35	34	35	35	34	36	36	35	36	32	35
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	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	0	0	0	0	0	0	0	0	0	0	0	0	0
UJLI	HY01	93	93	94	92	92	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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	6	6	6	7	7	7	6	7	6	7	7	6	6	6	7	7	6	6	7	7	7	7	7	7
Total Hydro		491	358	666	644	642	550	548	570	547	547	888	722	723	663	569	570	568	569	571	570	473	281	234	232
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
PCUF	CUFG	31	27	20	13	7	7	7	7	8	8	7	8	8	5	5	6	5	6	5	5	6	6	5	3
PCUF	CUFK	13	5	5	5	5	5	4	6	5	6	3	4	7	6	6	4	5	4	5	5	6	4	6	6
Total Co-Gen		44	32	25	18	12	12	11	13	13	14	10	11	15	13	13	12	13	9	10	10	11	9	12	11
Total Gen		13695	13360	13115	12728	12465	12180	11934	11769	11522	11368	11189	11104	11094	11165	10878	10510	10222	10132	10169	10277	10412	10497	10481	10508
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		-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		68	45	22	-17	-22	5	-19	6	1	-3	32	20	-3	31	-24	-42	-30	-32	6	24	36	-14	-15	-41
Interconnection		40	17	-7	-46	-50	-24	-48	-23	-29	-32	4	-8	-32	3	-53	-72	-59	-61	-23	-6	-44	-44	-70	-69
System Total		13655	13343	13122	12774	12515	12204	11982	11792	11551	11400	11185	11112	11126	11162	10931	10582	10281	10193	10283	10406	10541	10525	10578	10571
SRev ST-Coal		105	126	232	160	222	156	120	123	92	143	205	105	111	130	122	148	148	237	245	112	93	109	132	122
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		616	740	872	963	959	649	659	634	655	759	488	434	441	390	591	933	1220	1218	1176	1201	862	565	516	494
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		16	28	35	42	48	48	49	47	47	46	50	49	45	47	47	48	47	51	50	50	49	51	48	49

Daily MW Generation on Friday

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																								
Syncon		1162	1162	910	1061	1248	1248	1097	1248	1248	626	862	862	1013	1099	1099	1099	1099	1099	1099	1099	1099	1099	1100	1200	1200	1200	1200	1049	1049	964	965	964	964	813	711	711	812	963	812	812	626	626	626	626	812	812	727	626
Hydro		215	273	317	188	190	95	97	226	98	98	379	309	308	218	227	226	228	227	225	226	223	214	261	263	264	260	384	383	437	438	450	440	570	574	576	625	446	513	506	619	644	620	652	758	647	650	740	698
S.Reserve Total		2116	2331	2368	2416	2482	2198	2175	2129	2142	2296	1750	1761	1769	1800	2086	2454	2742	2832	2795	2688	2326	2139	2157	2128	2103	2011	1849	1913	1900	1893	1858	1713	1731	1645	1585	1951	1872	1894	1988	1470	1454	1483	1424	1584	1664	1669	1738	1619