

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	16,770 MW
Total Co-Gen	0 MW
Total System	22,648 MW

Generation Mix

Type	MWh	Percentage
Gas	37,226	10.71 %
Hydro	13,613	3.92 %
Total TNB	50,839	14.63 %
ST-Coal	206,049	59.30 %
Gas	89,166	25.66 %
Total IPP	295,215	84.97 %
Co-Gen	1,393	0.40 %
Total Co-Gen	1,393	0.40 %
Total Generation	347,447	100.00 %
PLTG	-720	-0.21 %
HVDC	727	0.21 %
Interconnection	7	0.00 %
Net Energy	347,440	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:	16:00:00 Hour
Total Set On Bus	17,724 MW
TNB Generation	2,739 MW
IPP Generation	13,604 MW
Spinning Reserve	1,325 MW
Maximum Demand	16,423 MW
Net Energy	347,440 MWH
Load Factor	88.15 %

Fuel Cost

Total Cost:	57,937,516.43 RM
Cost per Unit	17.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	306
Hydro	562
Syncon	643
Thermal	28
Total	1,539

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	50
SRDG	3
TJGS	211
Total TNB	264
CBPS	53
KLPP	94
NPRI	151
PGLA	111
PLPS	89
PTEK	7
SKSP	30
YPKA	49
Total IPP	584
Total Gas	848
Total Gas Required	848

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	13914	13316	12846	12409	12156	12007	12168	12084	12646	14354	15167	15764	15654	15435	16045	16226	16423	16090	15119	15007	15857	15845	15399	15069

Daily MW Generation on Wednesday

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
PTEK	GT2B	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	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total OCG-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	211	306	332	333	273	0	0
BSIA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02	24	24	24	23	23	13	13	13	13	13	13	13	13	13	13	13	13	13	24	24	24	23	23	
BSIA	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	10	10	10	
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	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	
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	
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	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	26	26	26	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY01	0	0	0	0	0	0	0	0	99	99	99	99	100	99	99	99	100	99	99	99	66	57	69	
KNYR	HY02	58	58	58	58	59	59	59	59	100	100	100	100	101	100	100	100	100	98	101	101	101	100	98	
KNYR	HY03	0	0	0	0	0	0	0	0	101	101	101	100	101	100	100	100	98	100	100	0	0	0	0	
KNYR	HY04	-1	-1	-1	-1	-1	-1	-1	102	102	102	102	102	102	102	102	102	102	100	102	102	102	102	102	
LPIA	HY01	21	14	13	13	13	13	14	14	13	13	14	14	14	14	21	21	21	16	17	17	17	17	17	
LPIA	HY02	11	11	11	11	11	11	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	3	3	3	3	3	7	7	7	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	0	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	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	36	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	
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	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY01	-1	-1	-1	-1	-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	
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Total Hydro		201	195	194	193	194	184	207	185	184	529	529	550	547	531	528	528	531	530	734	676	650	642	758	
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	
PCUF	CUFK	29	29	30	30	31	30	31	30	31	30	29	31	31	31	32	32	31	30	30	29	28	28	28	
PCUF	CUFK	28	27	28	27	27	29	29	27	29	26	28	27	30	28	28	29	27	28	28	29	29	27	27	
Total Co-Gen		57	56	58	57	58	59	60	57	60	56	57	58	58	58	58	58	58	55	55	55	56	57	56	
Total Gen		13914	13631	13325	13039	12839	12668	12417	12282	12170	12125	12050	12085	12151	12226	12141	12162	12659	13541	14379	14739	15132	15387	15739	
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	
TIE-HVDC		31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	
TIE-PLTG		-31	-7	-21	16	-38	-48	-23	-29	-17	2	12	-18	-46	3	26	-21	-17	-34	-5	-43	-66	-105	-55	

Daily MW Generation on Wednesday

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																										
Interconnection		0	24	9	46	-7	-18	8	1	14	32	43	12	-17	32	57	9	13	-4	25	-13	-35	-74	-25	-20	17	-4	-13	-15	9	-2	1	-37	-24	4	-45	-30	2	-34	20	37	14	20	-10	-4	0	-3	-13	12		
System Total		13914	13607	13316	12993	12846	12686	12409	12281	12156	12093	12007	12073	12168	12194	12084	12153	12646	13545	14354	14752	15167	15461	15764	15865	15654	15549	15435	15781	16045	16293	16226	16374	16423	16339	16090	15627	15119	14887	15007	15640	15857	15863	15845	15569	15399	15155	15069	14803		
SRev ST-Coal		59	156	89	144	192	148	143	209	171	206	196	193	215	197	200	183	182	135	71	83	-285	-245	18	-9	6	42	31	50	48	46	36	28	44	53	49	51	109	111	127	115	115	115	125	129	122	113	130	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	0	0	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		704	798	972	1037	806	875	997	1033	1110	1394	1481	1473	1386	1312	1387	1299	876	872	397	386	407	434	282	200	411	410	540	390	322	232	341	186	189	198	404	470	573	803	640	286	213	306	256	305	312	480	430	438		
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	0	0	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		3	4	2	3	2	1	0	3	0	4	3	2	-1	1	1	-2	-1	2	2	2	2	2	5	5	5	4	3	4	3	2	3	5	4	4	4	4	4	3	1	1	2	0	-2	0	-1	-1	1	0	-1	
Syncon		1349	1349	1349	1349	1349	1349	1198	1349	1349	1248	1248	1097	1097	1248	1248	1248	1248	1248	777	777	777	777	626	626	626	861	861	861	439	403	403	403	404	404	404	806	1264	1349	1349	928	928	777	777	878	1029	1113	1113	1198		
Hydro		132	138	139	140	139	149	277	148	149	105	105	235	238	103	106	106	103	104	371	429	455	463	498	501	499	406	411	447	652	628	698	702	677	741	828	543	276	229	202	413	469	517	603	470	485	355	314	256		
S.Reserve Total		2247	2445	2551	2673	2488	2522	2615	2742	2779	2957	3033	3000	2935	2861	2942	2834	2408	2361	1618	1677	1356	1431	1429	1323	1547	1723	1846	1752	1464	1311	1484	1331	1325	1409	1697	1942	2225	2493	2319	1744	1725	1713	1761	1781	1947	2062	1987	2013		