

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	5,174 MW
Total IPP	16,334 MW
Total Co-Gen	29 MW
Total System	22,109 MW

Generation Mix

Type	MWh	Percentage
Gas	43,977	11.50 %
Hydro	16,664	4.36 %
Total TNB	60,641	15.85 %
ST-Coal	210,960	55.15 %
Gas	110,378	28.86 %
Total IPP	321,338	84.00 %
Co-Gen	1,428	0.37 %
Total Co-Gen	1,428	0.37 %
Total Generation	383,407	100.23 %
PLTG	459	0.12 %
HVDC	425	0.11 %
Interconnection	884	0.23 %
Net Energy	382,523	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	19,348 MW
TNB Generation	3,434 MW
IPP Generation	14,561 MW
Spinning Reserve	1,296 MW
Maximum Demand	18,010 MW
Net Energy	382,523 MWH
Load Factor	88.50 %

Fuel Cost

Total Cost:	65,813,175.49 RM
Cost per Unit	17.94 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	345
Hydro	506
Syncon	485
Thermal	166
Total	1,502

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	25

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	15790	14905	14351	13994	13769	13735	13564	13212	13756	15569	16523	17202	17165	16944	17668	17977	18010	17384	16579	16252	16963	17266	16885	16531

Gas Usage

Station	(mmscfd)
GLGR	52
PGPS	38
SRDG	10
TJGS	219
Total TNB	318
CBPS	54
KLPP	100
NPRI	93
PGLA	112
PLPS	89
PTEK	9
SGRI	167
SKSP	50
YPKA	82
Total IPP	756
Total Gas	1,074

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 1,074

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																										
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	89	-1	-1	-1	93	91	92	92	90	89	91	-1	-1	-1	-1	-1	-1	-1	109	108	108	102	-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	-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	7	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		583	564	296	235	195	218	195	193	195	196	215	217	194	530	529	532	553	529	527	581	747	998	1142	1163	1165	825	703	958	1210	1207	1220	1218	1218	1195	1066	882	719	595	558	536	700	1000	1027	1025	874	713	614	527		
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	
PCUF	CUFG	33	33	34	33	33	34	33	33	34	34	34	33	33	34	32	32	31	30	31	29	29	28	27	27	28	27	27	28	27	30	27	27	28	28	29	28	28	28	29	28	17	17	18	19	24	23				
PCUF	CUFK	30	30	31	31	29	31	31	30	31	32	30	31	31	30	31	30	31	32	31	30	31	31	31	31	30	30	31	29	30	30	30	30	30	30	30	31	30	31	32	30	30	31	30	30	30	30	30			
Total Co-Gen		63	63	65	64	62	64	65	63	64	66	64	65	65	63	64	64	62	62	62	62	59	60	59	58	57	58	58	56	58	57	60	57	57	58	58	59	59	58	59	61	58	47	48	48	49	54	53			
Total Gen		15908	15437	14946	14720	14380	14278	14006	13919	13812	13687	13770	13556	13543	13732	13275	13373	13812	14893	15594	16098	16466	16954	17200	17280	17177	17007	16958	17318	17681	17919	18003	18015	18052	17928	17422	16914	16631	16285	16246	16451	16977	17332	17354	17294	17014	16976	16656	16349		
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	0	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		31	30	30	30	30	30	30	30	31	31	30	30	31	31	30	31	31	0	0	0	0	0	0	0	0	0	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-PLTG		87	90	11	-36	0	10	-19	-15	13	-37	4	-52	-52	7	32	8	25	21	-6	17	-57	-4	-2	8	12	34	14	19	13	28	26	18	42	68	38	57	52	29	-6	31	-17	54	59	47	99	50	94	6		
Interconnection		118	120	41	-7	29	40	12	15	43	-6	35	-22	-21	38	63	38	56	52	25	17	-57	-4	-2	8	12	34	14	19	13	28	26	18	42	68	38	57	52	29	-6	62	14	83	88	77	129	81	125	37		
System Total		15790	15317	14905	14727	14351	14238	13994	13904	13769	13693	13735	13578	13564	13694	13212	13335	13756	14841	15569	16081	16523	16958	17202	17272	17165	16973	16944	17299	17668	17891	17977	17997	18010	17860	17384	16857	16579	16256	16252	16389	16963	17249	17266	17217	16885	16895	16531	16312		
SRev ST-Coal		144	138	227	215	237	290	283	297	291	303	287	303	286	90	108	196	135	293	294	297	242	245	210	176	158	165	161	184	84	135	146	144	130	128	147	139	108	116	90	156	185	109	95	102	131	69	103	131		
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	68	12	75	11	13	11	11	47	100	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		607	928	650	826	877	944	1200	1268	1357	1428	1378	1575	1582	1728	2167	1984	1585	749	507	390	430	263	197	351	396	322	322	359	302	289	234	287	271	338	518	638	701	850	842	580	191	179	267	319	566	547	689	422		
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		-34	-34	-36	-35	-33	-35	-36	-34	-35	-37	-35	-36	-36	-34	-35	-35	-33	-33	-33	-33	-30	-31	-30	-29	-28	-29	-29	-27	-29	-28	-31	-28	-28	-29	-29	-30	-30	-29	-30	-32	-29	-18	-19	-19	-20	-25	-24			
Syncon		888	1039	1124	1225	1225	1074	1225	1225	1225	1074	1074	1225	1124	1124	1124	973	1124	1124	887	651	651	500	313	313	500	500	500	313	313	313	313	313	313	313	500	802	1039	1124	1124	736	464	464	464	464	735	886	735			
Hydro		284	152	135	95	135	263	135	137	135	134	266	264	136	101	102	99	229	102	104	287	400	371	502	630	628	531	653	548	607	610	597	599	599	622	651	498	359	162	114	236	375	430	487	489	640	380	328	334		
S.Reserve Total		1889	2223	2100	2326	2441	2536	2807	2893	2973	3053	2970	3180	3193	3009	3466	3368	2889	2235	1996	1828	1690	1500	1378	1440	1466	1490	1675	1574	1354	1329	1275	1323	1296	1420	1700	1826	1940	2137	2141	2066	1455	1153	1295	1355	1782	1711	1981	1598		