

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	16,959 MW
Total Co-Gen	0 MW
Total System	22,837 MW

Generation Mix

Type	MWh	Percentage
Gas	34,513	11.17 %
Hydro	9,952	3.22 %
Total TNB	44,465	14.40 %
ST-Coal	194,736	63.05 %
Gas	68,780	22.27 %
Total IPP	263,516	85.32 %
Co-Gen	1,312	0.42 %
Total Co-Gen	1,312	0.42 %
Total Generation	309,293	100.15 %
PLTG	-190	-0.06 %
HVDC	641	0.21 %
Interconnection	451	0.15 %
Net Energy	308,842	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:	20:30:00 Hour
Total Set On Bus	16,316 MW
TNB Generation	2,179 MW
IPP Generation	12,402 MW
Spinning Reserve	1,681 MW
Maximum Demand	14,605 MW
Net Energy	308,842 MWH
Load Factor	88.11 %

Fuel Cost

Total Cost:	51,383,408.57 RM
Cost per Unit	17.17 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	451
Hydro	363
Syncon	1,029
Thermal	119
Total	1,962

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	42
TJGS	203
Total TNB	245
CBPS	52
KLPP	66
NPRI	147
PGLA	89
PLPS	42
YPKA	42
Total IPP	438
Total Gas	683
Total Gas Required	683

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	12344	11878	11447	10989	10706	10510	10610	10731	11186	12553	13359	13856	13856	13605	14038	14198	14312	14110	13423	13480	14539	14528	14049	13698

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
CEND	HY02	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	10	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	-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	24	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	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
KNYR	HY01	61	85	66	59	59	59	102	101	101	101	101	101	101	100	101	100	99	100	99	99	99	99	99	99
KNYR	HY02	0	0	0	0	0	0	103	100	100	100	100	100	100	100	99	100	98	100	98	98	98	98	98	98
KNYR	HY03	0	0	0	0	0	0	101	101	101	100	100	100	100	100	100	100	96	96	96	0	0	0	0	0
KNYR	HY04	-1	-1	-1	-1	-1	-1	102	101	101	101	101	101	101	101	101	101	97	97	97	-1	-1	-1	-1	-1
LPIA	HY01	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	14	14	14	14	14
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	11
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	22	-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	-1
PGAU	HY03	21	-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	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	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	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	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	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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	32	28	29	32	34	33
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	-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	-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	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		257	207	188	181	181	181	553	551	526	525	525	525	524	543	525	524	543	525	521	671	614	636	613	499
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	19	29	29	30	30	29	28	31	30	30	29	30	29	29	29	29	29	29	29	29	28	27	27	26
PCUF	CUFK	5	29	27	27	29	27	27	29	28	30	27	27	27	28	27	28	28	28	28	26	27	29	26	27
Total Co-Gen		24	58	56	57	59	56	55	60	58	60	56	57	58	57	56	56	55	55	52	52	53	56	52	54
Total Gen		12331	12107	11852	11694	11437	11246	11014	10895	10739	10673	10547	10591	10582	10670	10791	10832	11245	12024	12569	13096	13405	13745	13884	14059
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		-29	-29	-29	32	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
TIE-PLTG		16	1	3	6	-41	-38	-6	-58	2	-8	7	-17	-59	-25	30	36	28	11	-14	-16	15	7	-1	-23
Interconnection		-13	-27	-26	37	-10	-7	25	-27	33	23	37	13	-28	6	60	67	59	42	16	14	46	38	28	7
System Total		12344	12134	11878	11657	11447	11253	10989	10922	10706	10650	10510	10578	10610	10664	10731	10765	11186	11982	12553	13082	13359	13707	13856	14052
SRev ST-Coal		377	378	436	427	427	431	179	187	197	196	310	312	284	161	152	160	159	83	49	378	374	332	26	79
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		261	466	611	542	499	505	924	961	1007	1228	1239	1193	1074	1324	887	872	741	972	833	585	421	573	607	683
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		36	2	4	3	1	4	5	0	2	0	4	3	2	3	3	4	3	4	4	4	4	3	4	5
Syncon		1047	1349	1349	1349	1349	1349	1097	1248	1248	1248	1248	1248	1097	1097	1248	1248	1248	1248	1097	1248	1248	1248	1198	1029
Hydro		416	126	145	152	152	152	232	108	108	109	109	109	236	236	108	111	109	110	242	109	113	113	170	299
S.Reserve Total		2137	2321	2545	2473	2428	2441	2437	2504	2562	2781	2910	2865	2693	2821	2398	2395	2260	2417	2225	2324	2160	2269	2055	