

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	16,612 MW
Total Co-Gen	0 MW
Total System	22,490 MW

Generation Mix

Type	MWh	Percentage
Gas	35,663	10.79 %
Hydro	11,683	3.54 %
Total TNB	47,346	14.33 %
ST-Coal	205,511	62.20 %
Gas	76,219	23.07 %
Total IPP	281,730	85.27 %
Co-Gen	1,335	0.40 %
Total Co-Gen	1,335	0.40 %
Total Generation	330,411	100.01 %
PLTG	-710	-0.21 %
HVDC	733	0.22 %
Interconnection	23	0.01 %
Net Energy	330,388	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:	16:30:00 Hour
Total Set On Bus	16,947 MW
TNB Generation	2,325 MW
IPP Generation	13,057 MW
Spinning Reserve	1,511 MW
Maximum Demand	15,434 MW
Net Energy	330,388 MWH
Load Factor	89.19 %

Fuel Cost

Total Cost:	54,928,927.86 RM
Cost per Unit	17.23 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	461
Hydro	545
Syncon	772
Thermal	21
Total	1,799

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	48
TJGS	205
Total TNB	253
CBPS	52
KLPP	60
NPRI	143
PGLA	85
PLPS	58
SKSP	29
YPKA	45
Total IPP	473
Total Gas	726
Total Gas Required	726

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	13117	12628	12161	11866	11466	11428	11452	11600	11986	13687	14512	15006	14949	14695	15078	15276	15398	15177	14290	14325	15329	15213	14682	14390

Daily MW Generation on Tuesday

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	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	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
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	HY02	27	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	0	0	0	0	0	0	98	101	101	101	101	101	101	101	100	99	99	99	99	99	0	0	0	0
KNYR	HY02	57	57	57	57	58	57	57	100	101	101	101	101	101	101	100	99	99	99	99	99	57	57	67	59
KNYR	HY03	0	0	0	0	0	0	0	101	102	102	102	102	102	102	101	102	102	102	101	100	100	100	100	0
KNYR	HY04	-1	-1	-1	-1	-1	-1	100	101	102	103	102	102	102	101	102	102	102	102	102	101	-1	-1	-1	-1
LPIA	HY01	16	9	9	11	11	13	13	13	13	14	14	14	14	20	20	20	20	22	22	22	22	22	22	22
LPIA	HY02	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	6	6
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	21	21	20	20	-1	-1	19	19
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	18	19	19	19	19	19
PGAU	HY03	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	20	21	21	21	19	20	-1	-1	18	18
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	0	0	0	0	0	0	0	0	0	0	0	0	0	49	30	30	30	30	30	30	49	50	49	49
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	49
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	16	16	16	16	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	25	16	16	16	16	16	16	16	24	24	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	25	25	25	25	25
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	34	34	34	34	33	-1	-1	-1	-1	-1
TMGR	HY02	34	33	32	34	33	34	36	35	35	36	36	36	36	36	40	65	37	37	37	37	32	33	33	34
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	34	34	34	34	-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
UPLA	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	7	5	5	5	5	5	7	7	7	7	7
Total Hydro		174	155	154	180	158	160	162	262	505	512	514	513	535	513	537	519	521	709	831	726	727	728	704	704
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	28	29	29	29	29	30	29	29	29	29	30	31	31	30	30	29	29	29	28	28	26	26	26	26
PCUF	CUFK	27	27	27	29	28	27	28	29	28	29	27	26	28	27	27	26	28	28	27	29	28	28	27	28
Total Co-Gen		55	56	56	58	57	57	57	56	56	57	57	59	55	56	58	58	58	57	56	55	55	51	54	54
Total Gen		13100	12828	12605	12366	12152	12048	11788	11646	11421	11338	11392	11344	11426	11481	11569	11471	11976	12995	13697	14136	14559	14788	14961	15111
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		30	30	30	30	30	30	30	31	31	30	30	30	30	31	31	31	31	31	30	30	31	31	31	31
TIE-PLTG		-47	-58	-53	-84	-39	-41	-108	-82	-76	-48	-66	-64	-56	-53	-63	6	-40	-72	-21	-12	16	-24	-75	-35
Interconnection		-17	-28	-23	-54	-9	-11	-78	-52	-45	-17	-36	-33	-26	-22	-31	37	-10	-42	10	18	47	6	-45	-5
System Total		13117	12856	12628	12420	12161	12059	11866	11698	11466	11355	11428	11377	11452	11503	11600	11434	11986	13037	13687	14118	14512	14782	15006	15116
SRev ST-Coal		281	335	370	437	451	444	442	494	612	616	614	608	699	373	250	254	258	263	-82	-152	-151	-19	51	53
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		894	1076	900	879	514	417	682	969	1261	1270	1209	1257	1107	1108	1169	1243	970	475	567	799	495	891	683	529
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		5	4	4	2	3	3	3	4	4	3	3	1	5	4	2	2	2	2	3	4	5	2	3	5
Syncon		1349	1349	1349	1198	1349	1349	1349	1248	1248	1248	1248	1097	1248	1097	1248	1248	946	777	777	777	777	777	861	946
Hydro		152	144	145	270	141	139	137	138	95	88	86	87	216	87	214	81	79	193	490	596	595	594	468	468

Daily MW Generation on Tuesday

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																								
S.Reserve Total		2681	2908	2768	2786	2458	2352	2613	2853	3220	3225	3160	3201	3124	2820	2732	2828	2557	1879	1755	2024	1721	2245	1982	1832	2036	2199	2288	2107	2017	1892	1797	1613	1549	1511	1734	2091	2417	2519	2420	1566	1590	1537	1662	1852	1946	2083	2090	2275