

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,270 MW
Distillate	0 MW
Total TNB	2,270 MW
Total IPP	16,035 MW
Total Co-Gen	65 MW
Total System	20,689 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,001	3.79 %
Gas	24,973	7.28 %
Total TNB	37,974	11.08 %
ST-Coal	192,934	56.28 %
LSS	1,090	0.32 %
Gas	109,862	32.05 %
Total IPP	303,886	88.64 %
Co-Gen	1,847	0.54 %
Total Co-Gen	1,847	0.54 %
Total Generation	343,707	100.26 %
PLTG	152	0.04 %
HVDC	727	0.21 %
Interconnection	879	0.26 %
Net Energy	342,828	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	17,214 MW
TNB Generation	2,469 MW
IPP Generation	13,424 MW
Spinning Reserve	1,266 MW
Maximum Demand	15,866 MW
Net Energy	342,828 MWH
Load Factor	90.03 %

Fuel Cost

Total Cost:	69,580,610.64 RM
Cost per Unit	21.04 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	225
Hydro	367
Syncon	690
Thermal	245
Total	1,527

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	54
PGPS	17
SRDG	7
TJGS	112
Total TNB	189
CBPS	56
KLPP	101
MPSS	36
NPRI	78
PGLA	116
PLPS	97
PTEK	6
SGRI	92
SKSP	57
YPKA	71
Total IPP	711
Total Gas	899
Total Gas Required	899

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	14568	13770	13375	13017	12724	12604	12559	12524	12432	13614	14433	15076	14975	14717	15157	15281	15322	15036	14579	14699	15866	15692	15438	15137

Daily MW Generation on Saturday

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																										
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	15	22	28	33	34	40	42	36	44	37	43	37	39	35	31	26	20	13	7	4	1	0	0	0	0	0	0	0	0	0	0			
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	26	60	84	105	124	136	147	157	123	145	120	169	113	120	146	108	90	75	55	45	21	4	0	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
PCUF	CUFK	33	34	33	34	34	34	34	33	34	33	33	35	35	34	35	38	41	38	38	38	39	39	40	37	38	39	38	39	39	37	37	38	36	41	40	37	38	37	40	39	37	39	38	38	38	40	39	38		
Total Co-Gen		82	83	82	83	83	83	82	83	82	82	84	84	83	84	87	90	87	87	87	88	88	89	86	87	88	87	88	88	86	86	87	85	90	58	55	54	54	57	57	55	58	58	56	57	57	58	57	58	57	
Total Gen		14628	14252	13830	13692	13375	13261	13064	12820	12776	12626	12612	12532	12548	12599	12514	12274	12398	13128	13642	14080	14425	14832	15105	15225	15029	14873	14791	14970	15187	15302	15330	15272	15287	15303	15070	14854	14660	14486	14714	15604	15948	15882	15800	15686	15548	15267	15158	14927		
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	0
TIE-HVDC		31	31	31	31	30	30	31	31	29	31	31	31	31	31	30	30	30	29	29	29	29	30	30	31	30	30	30	30	30	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TIE-PLTG		29	-26	29	7	-30	19	16	4	22	-23	-23	-35	-42	11	-41	-46	-64	-17	-2	4	-37	-14	0	76	24	-4	43	17	0	-30	18	60	-66	-8	4	12	51	42	-15	21	52	29	78	62	79	22	-10	0		
Interconnection		60	5	60	38	0	49	47	35	52	7	8	-4	-11	42	-10	-15	-34	13	28	35	-8	15	29	105	54	27	74	47	30	0	49	91	-35	24	34	43	81	72	15	51	82	59	108	92	110	52	21	31		
System Total		14568	14247	13770	13654	13375	13212	13017	12785	12724	12619	12604	12536	12559	12557	12524	12289	12432	13115	13614	14045	14433	14817	15076	15120	14975	14846	14717	14923	15157	15302	15281	15181	15322	15279	15036	14811	14579	14414	14699	15553	15866	15823	15692	15594	15438	15215	15137	14896		
SRev ST-Coal		206	194	270	408	401	413	403	416	413	411	400	402	408	402	394	396	407	419	413	377	292	291	293	242	244	239	243	248	245	228	251	238	232	238	242	244	232	255	253	240	212	130	163	156	171	152	161	157		
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	-1	-1	9	75	0	0	0	0	0		
SRev CCGT-Gas		753	629	704	512	558	426	571	674	716	869	893	973	950	910	1000	1181	1083	603	350	265	106	95	124	228	381	224	222	182	216	127	223	304	199	194	167	214	193	412	273	184	220	159	248	254	174	350	424	191		
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 LSS		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		7	6	7	6	6	6	7	6	7	7	5	5	6	5	2	-1	2	2	2	1	1	0	3	2	1	2	1	1	3	3	2	4	-1	7	10	11	11	8	8	10	7	7	9	8	8	7	8			
Syncon		559	760	987	987	613	739	739	739	1113	1113	1113	1113	1113	1113	1113	1113	1113	1113	861	710	458	458	609	861	861	861	710	710	710	710	710	710	710	710	710	710	710	836	987	987	458	524	458	458	458	458	458	458		
Hydro		421	309	287	316	344	280	256	287	286	289	286	288	288	287	288	289	313	280	275	279	396	281	315	380	450	283	406	312	315	343	312	373	431	401	477	436	419	289	248	325	301	550	399	446	493	617	562	508		
S.Reserve Total		1946	1898	2255	2229	1922	1864	1975	2123	2534	2689	2699	2781	2764	2718	2800	2981	2915	2417	2153	2036	1656	1378	1190	1311	1686	1608	1734	1604	1587	1416	1504	1633	1580	1546	1643	1681	1691	1954	1769	1215	1266	1303	1284	1398	1304	1585	1612	1322		