

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,304 MW
Distillate	0 MW
Total TNB	2,304 MW
Total IPP	16,280 MW
Total Co-Gen	0 MW
Total System	21,663 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,859	3.26 %
Gas	37,683	10.37 %
Total TNB	49,542	13.64 %
ST-Coal	210,544	57.96 %
LSS	984	0.27 %
Gas	101,661	27.98 %
Total IPP	313,189	86.21 %
Co-Gen	1,265	0.35 %
Total Co-Gen	1,265	0.35 %
Total Generation	363,996	100.20 %
PLTG	-7	0.00 %
HVDC	728	0.20 %
Interconnection	721	0.20 %
Net Energy	363,275	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:	14:30:00 Hour
Total Set On Bus	18,665 MW
TNB Generation	2,480 MW
IPP Generation	14,449 MW
Spinning Reserve	1,644 MW
Maximum Demand	16,991 MW
Net Energy	363,275 MWH
Load Factor	89.09 %

Fuel Cost

Total Cost:	66,052,027.60 RM
Cost per Unit	20.93 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	521
Hydro	620
Syncon	503
Thermal	173
Total	1,817

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	50
SRDG	2
TJGS	215
Total TNB	268
KLPP	94
MPSS	5
NPRI	154
PGLA	110
PLPS	90
PTEK	6
SGRI	73
SKSP	35
YPKA	78
Total IPP	645
Total Gas	913

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 913

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	14894	14153	13711	13230	12813	12707	12973	13115	13294	14989	15861	16456	16447	16207	16688	16926	16967	16656	15515	15386	16378	16369	15937	15388

Daily MW Generation on Thursday

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																											
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	6	21	26	37	45	44	45	50	33	31	31	30	50	21	50	46	13	21	10	8	4	1	0	0	0	0	0	0	0	0	0							
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	13	21	30	33	34	41	41	46	39	35	46	44	40	40	36	35	17	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0				
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	6	16	52	71	98	123	131	134	110	137	141	135	120	164	107	158	124	52	46	22	13	7	3	0	0	0	0	0	0	0	0	0							
PCUF	CUFG	50	51	51	50	36	9	0	0	21	25	26	24	26	25	24	25	24	23	24	23	23	23	23	24	24	23	24	23	22	21	23	24	23	24	23	26	22	23	23	23	23	24	22	23	24	29					
PCUF	CUFK	29	29	28	29	30	29	28	29	28	28	29	26	30	29	28	28	28	27	28	28	27	29	28	28	28	27	27	29	28	28	27	26	27	27	27	27	26	27	29	28	29	28	29	28	28	27	30	28	29		
Total Co-Gen		79	80	79	79	66	38	28	29	49	53	55	50	56	54	52	53	52	50	52	51	51	52	51	51	52	50	50	51	52	50	49	50	50	50	51	50	52	49	52	51	52	51	52	49	53	51	53				
Total Gen		14924	14560	14191	13859	13726	13499	13247	13083	12860	12894	12735	12840	12996	13263	13126	13088	13365	14369	14997	15459	15861	16255	16465	16530	16437	16187	16252	16383	16677	16981	16944	16944	17036	16982	16708	16164	15531	15127	15383	16105	16392	16463	16412	16130	16003	15717	15487	15160			
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	29	31	31	31	31	31	31	31	29	31	30	30	30	30	32	32	31	31	30	30	30	29	31	30	30	32	29	31	31	30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	31	31	30	30		
TIE-PLTG		3	35	11	-74	-12	11	-10	-8	21	-16	4	50	-2	30	-15	4	42	3	-20	4	-27	-44	-18	-7	-35	-22	18	-24	-39	-35	-9	-7	43	29	25	-5	-11	2	-30	-7	-12	63	17	-4	40	1	73	-52			
Interconnection		34	64	42	-43	19	42	21	23	51	14	32	82	27	59	15	34	74	34	11	35	3	-14	12	23	-6	9	49	6	-7	-6	22	24	73	59	56	26	19	32	0	23	18	93	47	27	70	32	103	-22			
System Total		14894	14500	14153	13906	13711	13461	13230	13064	12813	12884	12707	12762	12973	13208	13115	13057	13294	14338	14989	15427	15861	16272	16456	16511	16447	16182	16207	16381	16688	16991	16926	16924	16967	16927	16656	16141	15515	15098	15386	16086	16378	16374	16369	16107	15937	15689	15388	15186			
SRev ST-Coal		194	181	369	374	176	69	131	75	-18	66	68	66	66	72	73	66	71	227	376	193	88	79	208	220	221	212	231	225	221	173	191	184	182	160	116	212	204	214	183	173	126	112	121	159	157	449	267	258			
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	9	8	9	8	10	6	117	79	80	79	78	13	40	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		1026	1206	1049	704	783	925	1098	1239	1569	1390	1550	1441	1313	1020	1152	1186	1397	860	894	1079	688	525	558	490	563	757	678	544	459	422	447	371	396	303	426	437	734	983	906	422	361	388	369	439	627	645	638	806			
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	0
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	7	7	-2	15	10	45	4	3	0	21	-3	11	-3	19	30	23	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-24	-25	-24	-24	-11	17	7	6	6	2	0	5	-1	1	3	2	3	5	3	4	4	3	4	4	4	3	5	5	4	3	5	6	5	5	5	5	4	5	3	6	3	4	3	4	3	6	2	4	2		
Syncon		903	903	903	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	989	903	903	752	414	414	414	601	601	601	414	414	288	288	0	187	187	601	752	903	903	601	601	601	601	601	601	601	601	601	752	
Hydro		336	339	333	309	309	281	272	278	284	278	277	278	407	274	276	289	291	291	294	260	271	429	658	651	646	552	549	552	720	626	688	680	805	789	782	572	417	406	352	576	725	720	711	802	540	520	525	409			
S.Reserve Total		2435	2604	2630	2352	2246	2281	2497	2587	2830	2725	2884	2779	2623	2356	2493	2532	2753	2375	2560	2446	1961	1786	1857	1789	1893	2129	2067	1927	1839	1644	1638	1535	1415	1484	1545	1948	2194	2589	2429	1853	1830	1864	1806	2004	1931	2217	2035	2227			