

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,280 MW
Distillate	0 MW
Total TNB	2,280 MW
Total IPP	16,115 MW
Total Co-Gen	0 MW
Total System	20,544 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,232	2.30 %
Gas	41,226	11.53 %
Total TNB	49,458	13.83 %
ST-Coal	187,006	52.29 %
ST-Gas	9,848	2.75 %
LSS	1,153	0.32 %
Gas	108,900	30.45 %
Total IPP	306,907	85.82 %
Co-Gen	1,379	0.39 %
Total Co-Gen	1,379	0.39 %
Total Generation	357,744	100.03 %
PLTG	-611	-0.17 %
EGAT	-4	0.00 %
HVDC	726	0.20 %
Interconnection	111	0.03 %
Net Energy	357,633	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:	16:30:00 Hour
Total Set On Bus	18,024 MW
TNB Generation	2,801 MW
IPP Generation	13,890 MW
Spinning Reserve	1,251 MW
Maximum Demand	16,752 MW
Net Energy	357,633 MWH
Load Factor	88.95 %

Fuel Cost

Total Cost:	75,440,171.35 RM
Cost per Unit	21.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	319
Hydro	425
Syncon	731
Thermal	203
Total	1,678

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	49
PGPS	39
SRDG	3
TJGS	164
Total TNB	307
CBPS	56
KLPP	110
MPSS	47
NPRI	83
PGLA	114
PLPS	91
SGB3	41
SGRI	89
SKSP	51
YPKA	28
PKLG	98
Total IPP	809
Total Gas	1,116
Total Gas Required	1,116

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	14377	13722	13373	13038	12610	12456	12856	12923	13242	14796	15555	16087	15993	15653	15958	16626	16731	16484	15518	15314	16371	16192	15652	15362

Daily MW Generation on Friday

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	0	3	12	17	24	19	32	29	38	38	40	44	47	44	26	41	37	24	28	19	12	11	7	2	0	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	0	0	7	29	50	72	73	100	135	131	147	154	171	173	149	121	129	141	156	144	81	61	51	26	6	0	0	0	0	0	-1	-1	-1	-1	-1			
PCUF	CUFG	22	21	21	20	20	20	21	21	22	22	21	20	20	22	21	21	21	20	21	21	20	21	20	20	19	20	21	21	21	20	20	20	20	20	20	20	21	20	21	22	21	20	22	21	21	21	21			
PCUF	CUFK	34	37	38	36	36	35	35	36	36	36	36	38	37	37	39	39	38	39	40	38	27	38	38	38	37	36	35	34	38	37	36	35	36	37	38	39	37	38	37	37	37	38	36	37	37	36	38	39		
Total Co-Gen		56	58	59	56	56	55	56	57	58	58	57	58	58	57	59	61	59	60	61	58	48	59	58	59	57	56	55	53	58	58	57	56	57	57	58	59	57	58	58	57	58	60	57	57	59	57	59	57	60	
Total Gen		14412	14121	13719	13557	13350	13089	13029	12831	12603	12645	12496	12624	12838	12976	12952	12903	13271	14154	14779	15285	15542	15968	16066	16250	15985	15871	15670	15814	15967	16191	16638	16666	16751	16748	16508	16118	15549	15227	15342	16194	16380	16318	16218	15984	15645	15525	15342	15079		
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	30	30	30	30	30	30	30	30	30	30	30	31	31	30	31	31	31	30	31	31	31	31	30	30	30	30	30	29	29	29	29	29	30	30	31	31	31	31	31	31	31	31	29	29			
TIE-PLTG		4	-2	-34	-38	-53	-36	-39	-17	-37	-37	10	-41	-48	29	-1	-43	-1	-24	-47	-34	-44	-66	-51	-44	-39	-25	-13	-5	-21	-42	-18	-68	-10	-33	-6	19	2	-28	-1	-2	-22	27	-5	-59	-38	-42	-48	-49		
Interconnection		35	29	-3	-7	-23	-5	-9	14	-7	-8	40	-11	-18	59	29	-13	29	6	-17	-4	-13	-36	-21	-13	-8	5	17	25	9	-11	12	-37	20	-4	24	48	31	2	28	29	9	57	26	-27	-7	-11	-20	-20		
System Total		14377	14092	13722	13564	13373	13094	13038	12817	12610	12653	12456	12635	12856	12917	12923	12916	13242	14148	14796	15289	15555	16004	16087	16263	15993	15866	15653	15789	15958	16202	16626	16703	16731	16752	16484	16070	15518	15225	15314	16165	16371	16261	16192	16011	15652	15536	15362	15099		
SRev ST-Coal		203	185	394	208	252	262	109	93	114	94	110	96	92	102	109	105	400	412	228	216	207	207	203	195	209	204	210	202	199	204	206	194	199	206	201	196	193	204	208	198	208	213	207	196	203	194	191	197		
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	10	4	2	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		918	1019	1137	915	855	1101	1170	1380	1583	1572	1701	1735	1382	1231	1392	1449	1100	675	687	489	224	225	232	107	315	386	518	483	398	284	308	260	324	310	397	325	637	797	609	230	209	240	337	214	493	521	699	651		
SRev ST-Gas		76	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	39	33	10	-40	-101	3	1	19	48	79	25	8	-19	-2	4	4	3	4	7	85	80	67	2	-2	-2	-1	-3	50	73	73	73			
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-1	-2	-5	-6	0	2	-5	-12	-14	-10	-3	7	-8	-7	-1	-3	7	14	17	17	17	17	17	18	18	18	18	18		
SRev Co-Gen		-1	-3	-4	-1	-1	0	-1	-2	-3	-3	-2	-3	-3	-2	-4	-6	-4	-5	-6	-3	7	-4	-3	-4	-2	-1	0	2	-3	-3	-2	-1	-2	-2	-3	-4	-2	-3	-3	-2	-3	-5	-2	-2	-4	-2	-4	-5		
Syncon		1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	888	888	924	924	924	924	1075	1075	1075	1075	924	399	399	273	273	399	924	1075	1075	1075	773	586	586	586	924	924	1075	1075	1075					
Hydro		280	274	272	271	271	275	272	277	282	272	274	270	270	272	273	271	272	269	270	339	397	425	434	432	422	271	273	272	305	440	512	566	467	464	435	432	296	278	280	380	447	475	480	386	385	255	263	263		
S.Reserve Total		2551	2584	2908	2502	2486	2747	2659	2857	3085	3044	3192	3207	2850	2712	2879	2928	2877	2465	2286	1937	1682	1674	1788	1649	1887	1985	2150	2047	1968	1820	1418	1429	1267	1251	1434	1938	2291	2445	2253	1598	1462	1524	1624	1733	2069	2134	2315	2272		