

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,180 MW
Distillate	0 MW
Total TNB	4,982 MW
Total IPP	15,744 MW
Total Co-Gen	45 MW
Total System	21,343 MW

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	18,898 MW
TNB Generation	2,920 MW
IPP Generation	14,355 MW
Spinning Reserve	1,578 MW
Maximum Demand	17,400 MW
Net Energy	372,609 MWH
Load Factor	89.23 %

Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	38
TJGS	208
Total TNB	295
CBPS	52
KLPP	97
MPSS	45
NPRI	151
PGLA	93
PLPS	74
SGB3	52
SGRI	168
SKSP	51
YPKA	79
Total IPP	862
Total Gas	1,156

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	43,405	11.65 %
Hydro	13,653	3.66 %
Total TNB	57,058	15.31 %
ST-Coal	182,423	48.96 %
Gas	132,047	35.44 %
Total IPP	314,470	84.40 %
Co-Gen	1,065	0.29 %
Total Co-Gen	1,065	0.29 %
Total Generation	372,593	100.00 %
PLTG	-227	-0.06 %
HVDC	211	0.06 %
Interconnection	-16	0.00 %
Net Energy	372,609	100.00 %

Fuel Cost

Total Cost:	68,011,492.31 RM
Cost per Unit	18.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	415
Hydro	394
Syncon	693
Thermal	153
Total	1,655

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	27

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	15145	14350	13947	13573	13281	13140	13254	13437	13815	15442	16272	16833	16863	16475	17116	17353	17336	16862	15874	15771	16966	16884	16373	15936

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																													
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	2	2	2	2	2	2	2					
Total Hydro		551	523	541	522	523	524	547	546	523	522	545	545	521	522	545	525	547	567	304	292	533	676	861	1089	892	891	877	844	790	951	947	947	720	719	415	361	241	245	246	266	626	625	528	322	320	366	258	260					
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	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	
PCUF	CUFG	29	29	28	29	29	30	29	29	30	30	29	28	28	29	30	29	29	30	29	31	30	29	29	29	32	33	29	29	29	30	29	29	29	29	29	29	29	29	30	29	29	30	28	30	30	30	30	29	29	29			
PCUF	CUFK	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
Total Co-Gen		44	44	43	44	44	45	44	44	45	45	44	43	43	44	45	44	45	44	46	45	44	44	44	44	47	48	44	44	44	45	44	45	44	44	44	44	44	44	45	43	45	45	45	45	45	44	44	44	44	44	44		
Total Gen		15145	14657	14371	14116	13956	13669	13616	13327	13290	13093	13117	13198	13285	13510	13418	13271	13831	14852	15458	15926	16275	16658	16892	17002	16919	16663	16546	16889	17008	17320	17268	17248	17253	17170	16787	16363	15938	15720	15809	16610	16966	16937	16879	16724	16365	16193	15923	15530					
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	0	0	0
TIE-HVDC		31	30	30	31	31	30	30	30	30	31	31	31	31	30	30	31	31	30	30	30	30	30	31	31	31	31	31	31	31	-98	-97	-99	-99	-100	-97	-98	-98	30	30	29	29	30	30	30	30	30	30	30	31	31			
TIE-PLTG		-32	-93	-9	-72	-22	-61	13	-9	-21	-25	-54	10	0	13	-49	0	-14	31	-15	-18	-27	4	29	-24	26	14	40	-9	-10	17	14	3	17	-17	24	12	34	-19	9	-10	-30	-2	-34	23	-38	-16	-44	-17					
Interconnection		0	-62	21	-41	9	-31	43	21	9	6	-23	41	31	44	-19	31	16	62	16	13	3	34	59	6	56	45	71	21	-108	-80	-85	-96	-83	-114	-75	-86	64	11	38	19	0	28	-5	53	-8	14	-13	14					
System Total		15145	14719	14350	14157	13947	13700	13573	13306	13281	13087	13140	13157	13254	13466	13437	13240	13815	14790	15442	15913	16272	16624	16833	16996	16863	16618	16475	16868	17116	17400	17353	17344	17336	17284	16862	16449	15874	15709	15771	16591	16966	16909	16884	16671	16373	16179	15936	15516					
SRev ST-Coal		145	131	144	133	199	275	281	289	281	280	279	286	254	211	289	288	294	290	154	145	135	157	156	191	139	113	109	99	57	161	154	159	170	163	166	149	175	164	154	153	160	160	156	166	176	169	150	153					
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		758	1023	1118	1141	854	977	950	1228	1251	1454	1452	1367	1285	1106	1213	1344	1096	709	655	386	458	330	292	310	294	636	809	590	459	395	499	575	378	470	536	673	952	1186	1107	327	325	351	318	257	604	402	557	809					
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	0	
SRev Co-Gen		1	1	2	1	1	0	1	1	0	1	2	2	1	0	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Syncon		998	998	847	998	998	998	847	847	998	998	847	847	998	998	847	998	847	998	1099	1099	761	676	676	525	626	626	475	475	626	525	525	525	525	525	525	711	862	948	948	948	797	676	676	676	862	862	862	948	948				
Hydro		129	117	250	118	117	116	244	245	117	118	246	246	119	118	246	115	244	73	135	297	319	387	352	359	455	456	471	504	557	497	501	494	537	538	482	308	242	239	238	342	310	311	308	328	330	311	183	181					
S.Reserve Total		2031	2270	2361	2391	2169	2366	2323	2610	2647	2850	2825	2748	2658	2434	2595	2746	2482	2070	2044	1926	1673	1551	1477	1386	1512	1828	1865	1669	1700	1578	1680	1753	1611	1697	1896	1993	2318	2537	2448	1620	1471	1500	1458	1613	1972	1745	1839	2092					