

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,461 MW
Hydro	2,205 MW
Distillate	0 MW
Total TNB	4,666 MW
Total IPP	15,537 MW
Total Co-Gen	45 MW
Total System	20,820 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	45
PGPS	36
TJGS	179
Total TNB	260
CBPS	51
KLPP	91
NPRI	150
PGLA	106
PLPS	92
SGB3	34
SGRI	112
YPKA	58
Total IPP	695
Total Gas	955
Total Gas Required	955

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	18,480 MW
TNB Generation	2,907 MW
IPP Generation	14,056 MW
Spinning Reserve	1,474 MW
Maximum Demand	16,954 MW
Net Energy	359,799 MWH
Load Factor	88.43 %

Generation Mix

Type	MWh	Percentage
Gas	36,224	10.07 %
Hydro	11,430	3.18 %
Total TNB	47,654	13.24 %
ST-Coal	204,922	56.95 %
Gas	106,532	29.61 %
Total IPP	311,454	86.56 %
Co-Gen	1,075	0.30 %
Total Co-Gen	1,075	0.30 %
Total Generation	360,183	100.11 %
PLTG	-341	-0.09 %
HVDC	725	0.20 %
Interconnection	384	0.11 %
Net Energy	359,799	100.00 %

Fuel Cost

Total Cost:	61,711,707.81 RM
Cost per Unit	17.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	424
Hydro	410
Syncon	604
Thermal	167
Total	1,605

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

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	14558	13762	13315	12926	12582	12509	12715	12783	12943	14661	15553	16329	16311	15919	16292	16809	16915	16674	15638	15400	16581	16539	16107	15718

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																										
PCUF	CUFG	33	33	33	33	31	31	31	33	32	33	33	32	33	31	32	33	32	34	33	33	34	34	28	27	28	27	28	27	28	28	28	28	27	27	27	27	26	28	27	28	27	28	27	28						
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			
Total Co-Gen		48	48	48	48	46	46	46	48	47	48	48	47	48	46	47	48	47	49	48	48	49	49	43	42	43	42	43	42	43	42	41	43	42	43	43	43	43	42	42	42	42	41	43	42	43	42	43			
Total Gen		14562	13996	13702	13491	13303	13135	12937	12806	12605	12606	12511	12528	12681	12806	12847	12584	12987	13964	14693	15253	15537	15991	16323	16495	16346	16146	15915	16097	16293	16469	16844	17006	16970	16917	16736	16175	15698	15373	15440	16063	16572	16683	16554	16325	16121	15838	15756	15497		
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		
TIE-HVDC		31	30	30	31	31	30	30	30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	31	31	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	30	
TIE-PLTG		-26	-65	-90	-53	-42	-65	-19	-1	-7	-45	-29	5	-65	13	33	3	14	10	2	14	-46	-40	-36	-7	5	-16	-34	-29	-30	15	5	21	24	19	32	6	30	-41	10	-13	-40	8	-15	10	-16	-55	9	-45		
Interconnection		4	-35	-60	-22	-12	-36	11	29	23	-14	2	35	-34	44	64	33	44	40	32	44	-16	-10	-6	22	35	14	-4	2	1	45	35	52	55	49	62	37	60	-11	40	17	-9	38	15	40	14	-25	38	-15		
System Total		14558	14031	13762	13513	13315	13171	12926	12777	12582	12620	12509	12493	12715	12762	12783	12551	12943	13924	14661	15209	15553	16001	16329	16473	16311	16132	15919	16095	16292	16424	16809	16954	16915	16868	16674	16138	15638	15384	15400	16046	16581	16645	16539	16285	16107	15863	15718	15512		
SRev	ST-Coal	99	225	163	100	69	78	91	88	88	87	84	90	81	79	86	103	103	14	278	151	185	165	149	201	159	147	163	165	162	165	146	164	170	153	170	157	157	161	157	149	148	155	158	152	154	150	162	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
SRev	CCGT-Gas	624	506	584	763	1087	1214	1373	1506	1736	1740	1811	1787	1628	1514	1495	1734	1362	727	954	733	476	427	285	303	507	460	663	513	437	394	333	427	441	342	388	490	504	810	553	316	331	283	300	340	373	475	542	614		
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	Co-Gen	-3	-3	-3	-3	-1	-1	-1	-3	-2	-3	-3	-2	-3	-1	-2	-3	-2	-4	-3	-3	-4	-4	2	3	2	3	2	3	2	3	4	2	3	2	2	2	2	2	3	3	3	3	4	2	3	2	3	2		
Syncon		1139	1139	1139	1139	988	988	1139	1139	1139	1139	1074	1074	1225	1225	1074	1225	1074	1074	1074	1225	822	671	671	500	651	651	887	887	887	651	500	313	313	313	313	736	736	822	944	692	334	334	464	651	802	887	887	887		
Hydro		167	161	163	166	293	291	166	169	167	164	257	257	122	111	254	133	252	247	257	119	334	335	324	421	294	477	256	211	248	384	528	568	583	588	689	571	458	259	254	328	462	462	470	330	397	338	340	300		
S.Reserve Total		2026	2028	2046	2165	2436	2570	2768	2899	3128	3127	3223	3206	3053	2928	2907	3192	2789	2058	2560	2225	1813	1594	1431	1428	1613	1738	1971	1779	1736	1597	1511	1474	1510	1398	1562	1956	1857	2054	1911	1488	1278	1237	1396	1475	1729	1852	1934	1956		