

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,789 MW
Hydro	1,842 MW
Distillate	0 MW
Total TNB	4,631 MW
Total IPP	15,464 MW
Total Co-Gen	57 MW
Total System	20,716 MW

Generation Mix

Type	MWh	Percentage
Gas	42,044	12.01 %
Hydro	16,147	4.61 %
Total TNB	58,191	16.62 %
ST-Coal	208,014	59.43 %
Gas	83,660	23.90 %
Total IPP	291,674	83.33 %
Co-Gen	1,566	0.45 %
Total Co-Gen	1,566	0.45 %
Total Generation	351,431	100.40 %
PLTG	670	0.19 %
HVDC	729	0.21 %
Interconnection	1,399	0.40 %
Net Energy	350,032	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	11:30:00 Hour
Total Set On Bus	17,560 MW
TNB Generation	2,940 MW
IPP Generation	13,305 MW
Spinning Reserve	1,255 MW
Maximum Demand	16,255 MW
Net Energy	350,032 MWH
Load Factor	89.72 %

Fuel Cost

Total Cost:	59,499,881.89 RM
Cost per Unit	17.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	515
Hydro	277
Syncon	657
Thermal	141
Total	1,590

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	50
PGPS	30
TJGS	222
Total TNB	302
CBPS	55
KLPP	97
NPRI	27
PLPS	90
PTEK	17
SGB3	88
SGRI	75
SKSP	49
YPKA	74
Total IPP	572
Total Gas	873

Total Gas Required 873

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	14574	13778	13312	12897	12672	12542	12612	12545	12956	14558	15606	16201	16002	15311	15530	15962	16084	15733	14949	15363	15761	15432	14842	14507

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																										
Total Co-Gen		63	74	69	71	68	71	71	69	67	67	66	66	68	68	70	69	69	69	70	65	63	59	58	60	57	61	61	62	62	60	57	58	57	65	62	64	65	66	65	64	66	65	65	71	71	65	69			
Total Gen		14667	14240	13810	13566	13356	13220	12965	12822	12732	12625	12585	12504	12720	12959	12543	12605	13010	13949	14612	15186	15659	16014	16275	16305	16027	15708	15365	15504	15590	15936	16006	16088	16147	16038	15795	15289	15005	14916	15432	15957	15817	15661	15480	15430	14944	14753	14585	14256		
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		30	30	30	30	31	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	30	30	29	29	31	31		
TIE-PLTG		63	-11	2	25	13	30	38	43	29	54	12	70	78	65	-32	65	24	21	23	23	22	9	44	20	-6	-8	23	29	19	30	14	-8	33	52	32	22	26	50	38	25	26	4	18	-3	72	20	47	58		
Interconnection		93	18	32	55	44	61	68	73	60	85	43	101	108	96	-2	95	54	51	54	54	53	40	74	50	25	23	54	60	50	60	44	22	63	82	62	52	56	80	69	55	56	34	48	27	102	49	78	89		
System Total		14574	14222	13778	13511	13312	13159	12897	12749	12672	12540	12542	12403	12612	12863	12545	12510	12956	13898	14558	15132	15606	15974	16201	16255	16002	15685	15311	15444	15530	15876	15962	16066	16084	15956	15733	15237	14949	14836	15363	15902	15761	15627	15432	15403	14842	14704	14507	14167		
SRev ST-Coal		121	196	296	432	435	434	453	435	447	651	696	610	496	509	500	497	467	424	363	318	290	105	116	130	129	128	137	117	118	101	115	114	108	102	122	124	130	131	122	114	124	78	107	111	41	122	125	125		
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	90	76	104	114	114	100	117	111	114	113	116	116	63	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		863	650	800	829	1033	1176	1415	1317	1398	1322	1184	1245	1156	925	1319	1321	1273	1061	911	531	436	294	244	215	388	548	879	778	699	363	389	345	285	416	405	759	885	973	512	275	409	519	546	427	958	1026	1104	1064		
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	
SRev Co-Gen		-6	-17	-12	-14	-11	-14	-12	-10	-10	-9	-9	-11	-11	-13	-12	-12	-13	-8	-6	-2	-1	-3	0	-4	-4	-5	-5	-3	0	-1	0	-8	-5	-7	-8	-9	-8	-7	-9	-8	-8	-8	-8	-14	-14	-8	-12			
Syncon		800	901	901	901	901	901	901	901	675	800	800	800	800	800	800	800	800	626	626	500	500	626	500	500	712	800	800	800	800	800	800	712	712	712	800	800	800	800	800	460	460	460	674	800	800	800	800	800		
Hydro		97	72	75	74	77	75	74	102	191	173	147	143	142	113	216	227	146	248	272	216	428	314	336	337	308	174	177	174	174	175	244	297	300	292	156	148	146	147	200	417	415	416	273	164	151	143	148	94		
S.Reserve Total		1875	1802	2060	2222	2435	2572	2829	2743	2701	2936	2818	2789	2583	2336	2822	2833	2674	2347	2159	1557	1648	1337	1292	1255	1641	1760	2103	1964	1903	1547	1662	1580	1521	1630	1541	1915	1953	2042	1626	1259	1399	1465	1592	1494	1936	2077	2169	2071		