

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,597 MW
Hydro	2,417 MW
Distillate	0 MW
Total TNB	5,014 MW
Total IPP	15,643 MW
Total Co-Gen	0 MW
Total System	20,943 MW

Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	18,841 MW
TNB Generation	3,194 MW
IPP Generation	14,338 MW
Spinning Reserve	1,252 MW
Maximum Demand	17,564 MW
Net Energy	367,569 MWH
Load Factor	87.20 %

Gas Usage

Station	(mmscfd)
CBPS	1
GLGR	11
PGPS	37
TJGS	210
Total TNB	259
CBPS	51
KLPP	106
MPSS	29
NPRI	152
PGLA	107
PTEK	5
SGB3	56
SGRI	87
SKSP	54
YPKA	78
Total IPP	725
Total Gas	984

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	36,890	10.04 %
Hydro	13,224	3.60 %
Total TNB	50,114	13.63 %
ST-Coal	204,391	55.61 %
Gas	110,492	30.06 %
Total IPP	314,883	85.67 %
Co-Gen	1,406	0.38 %
Total Co-Gen	1,406	0.38 %
Total Generation	366,403	99.68 %
PLTG	-468	-0.13 %
HVDC	-698	-0.19 %
Interconnection	-1,166	-0.32 %
Net Energy	367,569	100.00 %

Fuel Cost

Total Cost:	61,981,482.68 RM
Cost per Unit	17.55 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	270
Hydro	454
Syncon	716
Thermal	81
Total	1,521

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	26

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	15007	14246	13666	13349	12967	12811	12978	13043	13453	15178	16048	16705	16665	16510	17025	17500	17564	16858	15718	15503	16504	16412	16050	15496

Daily MW Generation on Tuesday

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 Gen		14947	14497	14156	13908	13606	13475	13280	13007	12856	12744	12713	12756	12917	13161	13027	12888	13448	14344	15122	15652	16023	16273	16621	16823	16620	16479	16442	16683	16998	17401	17505	17526	17589	17426	16797	16227	15682	15395	15457	16221	16438	16532	16425	16248	16022	15652	15439	15075			
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
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	
TIE-PLTG		-31	-103	-61	-60	-31	-26	-40	-33	-81	-53	-70	-53	-32	-35	12	-1	25	-20	-26	-14	3	-33	-55	-27	-16	0	-40	12	3	-17	34	55	54	2	-32	9	-7	10	-16	-78	-36	22	42	-5	2	-40	-27	-22			
Interconnection		-60	-133	-90	-89	-60	-55	-69	-62	-111	-82	-98	-81	-61	-65	-16	-30	-5	-49	-56	-43	-25	-61	-84	-56	-45	-29	-68	-17	-27	-46	5	26	25	-27	-61	-21	-36	-19	-46	-108	-66	-7	13	-34	-28	-70	-57	-52			
System Total		15007	14630	14246	13997	13666	13530	13349	13069	12967	12826	12811	12837	12978	13226	13043	12918	13453	14393	15178	15695	16048	16334	16705	16879	16665	16508	16510	16700	17025	17447	17500	17500	17564	17453	16858	16248	15718	15414	15503	16329	16504	16539	16412	16282	16050	15722	15496	15127			
SRev ST-Coal		74	81	90	226	186	140	154	320	345	349	-16	15	6	68	69	63	58	44	56	-23	124	124	112	134	201	54	108	123	113	116	120	103	37	49	49	32	59	37	126	51	43	54	47	49	47	61	61	53			
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	4	40	41	1	4	78	78	79	39	38	40	41	45	0	0	0	0		
SRev CCGT-Gas		735	1082	1319	1398	1743	1734	1915	2014	2147	2250	2331	2233	2089	1852	1874	2017	1914	1132	599	489	258	345	200	139	209	364	392	265	251	207	217	228	225	209	237	379	524	638	410	173	280	184	251	172	188	271	318	430			
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		-4	-6	-3	-4	-4	-3	-4	-3	-7	-4	-4	-2	-2	-3	-2	-5	-1	-2	-4	-5	-5	-4	-2	-1	-2	-1	-3	-2	-1	-1	1	-1	-1	-1	-1	-1	-2	-1	-1	-2	-3	-3	-4	-1	-1	-2	-3	-4	-2		
Syncon		1049	1049	1049	1049	1049	1049	1200	1200	1200	1200	1200	1200	1200	1200	1200	1049	1351	1351	1351	1029	928	777	626	777	928	1079	777	626	439	439	439	439	439	439	777	928	1079	1079	993	892	403	403	403	892	1079	1029	1200	1200			
Hydro		254	237	230	264	261	256	257	263	260	262	388	259	251	243	254	259	379	131	116	121	366	408	486	522	487	409	285	457	602	552	515	442	512	678	240	583	505	267	420	235	609	599	642	364	365	434	216	97			
S.Reserve Total		2108	2443	2685	2933	3235	3176	3371	3794	3945	4057	3748	3705	3544	3360	3395	3534	3399	2656	2118	1933	1772	1801	1573	1420	1672	1754	1861	1620	1591	1313	1292	1215	1252	1415	1305	1924	2244	2098	2026	1387	1370	1276	1383	1521	1677	1792	1791	1803			