

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,141 MW
Distillate	0 MW
Total TNB	4,932 MW
Total IPP	16,140 MW
Total Co-Gen	52 MW
Total System	21,688 MW

Generation Mix

Type	MWh	Percentage
Gas	37,157	10.37 %
Hydro	21,833	6.09 %
Total TNB	58,990	16.46 %
ST-Coal	199,655	55.71 %
Gas	98,965	27.61 %
Total IPP	298,620	83.32 %
Co-Gen	1,336	0.37 %
Total Co-Gen	1,336	0.37 %
Total Generation	358,946	100.15 %
PLTG	-120	-0.03 %
HVDC	669	0.19 %
Interconnection	549	0.15 %
Net Energy	358,397	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:	14:30:00 Hour
Total Set On Bus	18,421 MW
TNB Generation	3,125 MW
IPP Generation	13,908 MW
Spinning Reserve	1,336 MW
Maximum Demand	17,069 MW
Net Energy	358,397 MWH
Load Factor	87.49 %

Fuel Cost

Total Cost:	55,974,439.51 RM
Cost per Unit	16.60 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	512
Hydro	312
Syncon	490
Thermal	174
Total	1,488

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	211
Total TNB	262
CBPS	55
KLPP	94
NPRI	147
PGLA	99
PKLG	4
PLPS	85
PTEK	6
SGB3	84
SGRI	69
YPKA	77
Total IPP	720
Total Gas	982

Total Gas Required 982

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	14396	13727	13347	12870	12610	12401	12640	12594	13050	14876	15788	16442	16427	16124	16711	16943	16952	16407	15473	15467	16081	15926	15466	14978

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																									
Total Co-Gen		59	60	58	60	61	57	60	56	58	57	59	59	58	57	58	58	59	55	52	52	52	53	53	52	51	51	52	54	54	54	57	58	55	57	57	59	59	57	55										
Total Gen		14424	14160	13786	13634	13366	13164	12888	12835	12623	12512	12477	12414	12662	12860	12637	12588	13076	14283	14875	15461	15807	16182	16426	16569	16434	16132	16087	16347	16711	17085	16941	16967	16899	16886	16453	16018	15508	15362	15493	16298	16144	16101	15960	15756	15490	15276	14970	14706	
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		
TIE-HVDC		30	30	30	30	31	31	30	30	30	31	31	31	31	31	30	30	30	30	29	29	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	0	0	0	0	0	0	30	31	
TIE-PLTG		-2	-3	29	1	-11	13	-12	-8	-17	18	45	-10	-8	35	12	3	-4	14	-32	-29	-10	-16	-46	0	-24	-34	-68	-25	-31	-15	-33	-85	-84	-37	16	70	5	8	-5	-18	33	-3	34	51	24	7	-38	49	
Interconnection		28	27	59	32	19	43	18	22	13	49	76	21	22	65	43	33	26	44	-1	1	19	14	-16	30	7	-3	-37	6	0	16	-2	-54	-53	-7	46	100	35	39	26	13	63	27	34	51	24	7	-8	80	
System Total		14396	14133	13727	13602	13347	13121	12870	12813	12610	12463	12401	12393	12640	12795	12594	12555	13050	14239	14876	15460	15788	16168	16442	16539	16427	16135	16124	16341	16711	17069	16943	17021	16952	16893	16407	15918	15473	15323	15467	16285	16081	16074	15926	15705	15466	15269	14978	14626	
SRev ST-Coal		150	319	315	291	277	297	287	282	287	301	302	305	292	289	283	309	300	271	238	199	188	181	185	181	184	179	180	192	199	133	126	134	134	116	126	139	135	129	120	133	121	119	133	305	306	286	295	282	
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
SRev CCGT-Gas		626	758	974	1207	1470	1638	1932	1976	2235	2303	2329	2326	2070	1861	2103	2117	1672	1037	764	858	725	432	367	339	465	606	653	321	261	534	329	557	518	268	503	736	965	1100	835	359	501	546	401	559	560	530	561	462	
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		-7	-8	-6	-8	-9	-5	-8	-4	-6	-5	-7	-7	-6	-5	-6	-6	-6	-7	-7	-3	0	0	0	-1	-1	0	0	1	1	0	0	0	0	-1	1	1	0	-2	-2	-2	-5	-6	-3	-5	-5	-7	-7	-5	-3
Syncon		972	972	972	821	972	972	846	846	508	539	539	508	539	539	695	846	846	525	525	489	338	338	338	338	338	338	525	525	651	651	338	338	338	676	525	525	525	651	651	802	651	802	802	651	489	489	489	464	802
Hydro		86	88	89	219	89	100	91	102	236	238	245	240	227	238	228	118	135	189	236	115	405	404	407	409	414	429	425	361	362	305	452	273	229	361	395	390	295	312	304	291	165	162	168	320	354	343	246	29	
S.Reserve Total		1827	2129	2344	2530	2799	3002	3148	3202	3260	3376	3408	3372	3122	2922	3303	3384	2947	2015	1756	1658	1658	1355	1297	1262	1397	1824	1869	1609	1525	1336	1250	1306	1562	1275	1708	1790	2044	2190	2059	1429	1583	1626	1348	1668	1702	1641	1561	1572	