

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,205 MW
Hydro	2,501 MW
Distillate	0 MW
Total TNB	5,706 MW
Total IPP	14,357 MW
Total Co-Gen	60 MW
Total System	20,687 MW

Generation Mix

Type	MWh	Percentage
Gas	64,060	18.13 %
Hydro	10,093	2.86 %
Total TNB	74,153	20.99 %
ST-Coal	201,252	56.96 %
Gas	76,306	21.60 %
Total IPP	277,558	78.56 %
Co-Gen	1,178	0.33 %
Total Co-Gen	1,178	0.33 %
Total Generation	352,889	99.88 %
PLTG	270	0.08 %
EGAT	-5	0.00 %
HVDC	-699	-0.20 %
Interconnection	-434	-0.12 %
Net Energy	353,323	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	18,543 MW
TNB Generation	3,944 MW
IPP Generation	12,775 MW
Spinning Reserve	1,779 MW
Maximum Demand	16,791 MW
Net Energy	353,323 MWH
Load Factor	87.68 %

Fuel Cost

Total Cost:	48,232,644.05 RM
Cost per Unit	31.13 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	355
Hydro	266
Syncon	1,039
Thermal	185
Total	1,845

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	17
PAKA	182
PGPS	26
SRDG	14
TJGS	203
Total TNB	500
KLPP	94
MPSS	31
NPRI	138
PKLG	8
PLPS	79
PTEK	19
SGB3	42
SGRI	177
Total IPP	588
Total Gas	1,088

Total Gas Required 1,088

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	13967	13346	12921	12583	12278	12145	12341	12209	12781	14535	15535	16232	16216	15847	16466	16757	16754	16333	15234	15458	16148	16007	15480	15021



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																										
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0														
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	35	37	36	35	35	-1	79	35	35	35	35	35	35	35	35	35	35	35	35	35	35														
TMGR	HY02	-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	-1	-1	-1	-1	-1	-1													
TMGR	HY03	-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	-1	-1	-1	-1	-1	-1													
TMGR	HY04	36	37	37	37	33	33	36	32	28	23	25	26	37	37	36	33	37	38	41	40	37	40	44	46	40	40	38	-1	0	0	0	0	0	0	0	0	0													
UJLI	HY01	-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	-1	-1	-1	-1	-1	-1													
UJLI	HY02	-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	-1	-1	-1	-1	-1	-1	-1												
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5													
Total Hydro		157	158	159	157	150	177	156	147	144	133	136	139	167	184	156	150	177	226	307	289	286	511	583	702	519	232	228	373	521	868	953	897	902	963	611	658	377	309	395	911	711	682	574	640	552	480	491	383		
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		
PCUF	CUFG	33	34	33	33	34	34	34	33	33	33	33	34	33	34	34	33	32	31	31	28	29	29	28	28	28	27	27	26	27	27	29	30	30	30	31	31	32	33	33	32	31	30	31	31	31	31				
PCUF	CUFK	18	18	17	16	18	18	16	18	19	19	19	18	17	17	18	18	17	16	19	18	18	18	17	16	18	18	18	18	18	18	18	18	18	18	18	18	17	19	19	18	17	18	18	19	18	21	18	17		
Total Co-Gen		51	52	50	49	52	52	50	51	52	52	50	51	53	52	51	50	52	50	49	48	46	47	47	46	45	44	45	46	44	45	45	47	47	48	47	49	50	49	49	51	51	51	49	51	49	51	49	48		
Total Gen		13960	13597	13339	13059	12915	12653	12576	12329	12271	12129	12138	12168	12333	12487	12202	12171	12274	13875	14528	15155	15528	15967	16224	16416	16209	15954	15840	16109	16373	16704	16686	16764	16669	16720	16286	15791	15188	14930	15449	16213	16165	16145	15935	15913	15488	15257	15035	14770		
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		-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30		
TIE-PLTG		22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	
Interconnection		-7	-7	-7	-7	-6	-6	-7	-7	-7	-7	-7	-7	-8	-8	-7	-7	-7	-7	-7	-7	-8	-8	-7	-7	-7	-7	-7	-8	-8	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7			
System Total		13967	13604	13346	13066	12921	12659	12583	12336	12278	12136	12145	12175	12341	12495	12309	12178	12781	13882	14535	15162	15535	15974	16232	16424	16216	15961	15847	16108	16466	16732	16757	16791	16754	16743	16333	15841	15234	15018	15458	16206	16146	16120	16007	15938	15480	15343	15021	14778		
S.Rev ST-Coal		178	183	191	188	192	110	203	310	328	526	513	508	578	576	486	473	411	201	178	299	209	179	180	162	175	183	206	200	156	154	179	159	176	182	180	165	174	212	203	188	179	189	194	203	187	187	185	190		
S.Rev 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
S.Rev CCGT-Gas		834	1041	1290	1570	1706	1977	1938	2070	2108	2041	2048	2026	1813	1680	1927	1968	1356	953	618	565	366	367	178	198	334	289	264	251	201	220	382	368	258	261	260	243	554	710	291	202	221	205	168	270	538	552	710	682		
S.Rev 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
S.Rev Co-Gen		9	8	10	11	8	8	10	9	8	8	8	8	10	9	7	8	9	10	8	10	11	12	14	13	13	14	15	16	15	14	16	15	15	13	13	12	13	11	10	11	11	9	9	9	11	9	11	12	12	
Syncon		1352	1352	1352	1352	1352	1201	1352	1352	1352	1352	1352	1352	1352	1201	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352		
Hydro		136	135	134	136	143	267	137	146	149	160	157	154	126	260	137	143	116	167	86	204	207	234	175	182	239	161	245	367	219	225	178	234	148	319	421	223	239	181	221	182	157	337	419	353	164	110	100	108		
S.Reserve Total		2509	2719	2977	3257	3401	3563	3640	3887	3945	4087	4078	4048	3879	3726	3909	3944	3244	2683	2342	2508	2205	1909	1690	1558	1908	2125	2273	2171	1984	1653	1759	1779	1681	1630	1814	1716	2281	2539	2020	1737	1560	1580	1745	1787	2212	2104	2326	2243		