

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,509 MW
Distillate	0 MW
Total TNB	5,300 MW
Total IPP	14,320 MW
Total Co-Gen	0 MW
Total System	20,184 MW

Generation Mix

Type	MWh	Percentage
Gas	43,399	12.34 %
Hydro	24,943	7.09 %
Total TNB	68,342	19.42 %
ST-Coal	181,062	51.46 %
Gas	100,859	28.67 %
Total IPP	281,921	80.13 %
Co-Gen	727	0.21 %
Total Co-Gen	727	0.21 %
Total Generation	350,990	99.76 %
PLTG	-139	-0.04 %
HVDC	-700	-0.20 %
Interconnection	-839	-0.24 %
Net Energy	351,829	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:	14:30:00 Hour
Total Set On Bus	18,402 MW
TNB Generation	3,438 MW
IPP Generation	13,166 MW
Spinning Reserve	1,769 MW
Maximum Demand	16,743 MW
Net Energy	351,829 MWH
Load Factor	87.56 %

Fuel Cost

Total Cost:	54,112,904.60 RM
Cost per Unit	16.60 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	466
Hydro	491
Syncon	570
Thermal	143
Total	1,670

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	26

Gas Usage

Station	(mmscfd)
GLGR	53
PGPS	26
SRDG	16
TJGS	221
Total TNB	316

Alternate Fuel Usage

Station	(mmscfd)
Total	0

CBPS	56
KLPP	107
MPSS	16
NPRI	148
PGLA	114
PLPS	95
PTEK	21
SGB3	67
SGRI	57
YPKA	62
Total IPP	743

Total Gas 1,058

Total Gas Required 1,058

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	14017	13331	12872	12406	12233	12000	12377	12275	12881	14832	15832	16440	16356	15984	16496	16645	16591	16232	15075	15032	15936	15691	15153	14672

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	
TJGS	ST1C	258	258	258	258	258	258	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223
TJGS	GT2A	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203	203
TJGS	GT2B	201	201	201	201	200	200	201	200	200	200	223	216	220	203	181	186	200	220	220	218	216	217	212	209	211
TJGS	ST2C	250	250	250	250	250	250	250	250	250	260	260	262	245	237	238	261	261	261	261	258	258	258	258	258	258
YPKA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	60	62	129	132	132	133	134	134	134	133
YPKA	GT21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	62	63	64	64	0	34	69	80	100	134
YPKA	ST20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	62	64	64	65	65
Total CCGT-Gas		4833	4915	4785	4586	4520	4367	4166	4120	4055	3983	3830	3964	4073	4132	3934	4089	4536	5305	5796	6064	6297	6344	6387	6534	6475
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PTEK	GT1B	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	79	78	77	78	29	36	28	89	89
PTEK	GT2A	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	109	79	79	79	31	35	29	29	90
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	119	120	121	86	86	90	86	86	84
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	120	120	123	86	87	90	86	86	85
Total OCGT-Gas		92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	389	535	475	478	407	263	286	258	378	439
BSIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	13	13	13	13	13	13	13	13
BSIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	13	13	13	13	13	13	13	13
BSIA	HY03	24	24	25	25	24	24	24	24	24	24	24	24	24	24	24	24	24	15	15	15	15	15	15	14	14
CEND	HY01	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	9	10	9	9	9	9	9	9	9	9
CEND	HY02	8	8	8	9	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	99	97	99	99	99	99	99	99	99
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	65	100	100	100	100	63	63	63	63	63
KNRG	HY01	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	80	100	90	100	101	91	101	101	76	74	101	100	101	86	100	100	100	100	83	91	75	77	100	77	88
KNYR	HY02	100	102	104	104	104	104	103	104	98	96	104	104	104	102	101	96	97	99	103	102	98	78	95	100	77
KNYR	HY03	100	100	100	100	100	100	98	95	100	100	100	100	99	99	99	99	99	99	99	99	99	99	99	99	99
KNYR	HY04	51	0	0	0	0	0	0	0	0	-1	-1	99	98	98	98	98	98	98	98	98	98	98	98	98	98
LPIA	HY01	19	19	19	19	19	19	17	15	19	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18
LPIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	110	111	81	81	21	4	21	108	109	107
PGAU	HY02	112	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	111	113	-1	-1	-1	18	-1	-1	-1	21	21	22	20	20	0	0	0	0	0	19	21	22	21	21	23
PGAU	HY04	110	20	0	0	0	0	0	0	0	0	0	0	0	0	0	110	80	81	20	20	20	20	110	110	111
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	81	81	81	61	61	61	61	61	57	61	62	63	61	61	61	63	61	61	61	61	61	61	59	60	61
TMGR	HY02	85	85	85	63	63	63	63	63	59	63	63	65	63	63	63	64	63	63	63	63	63	63	61	62	63
TMGR	HY03	79	79	79	60	60	60	60	60	56	60	60	61	60	60	60	61	60	60	60	60	60	60	58	58	59

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																											
TMGR	HY04	80	80	80	61	61	61	61	61	56	61	61	62	61	61	61	61	59	59	60	31	33	34	31	31	31	29	29	30	29	31	34	33	36	36	36	34	36	35	33	36	35	34									
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	-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	-1	-1	-1	-1	-1	-1	-1						
UPIA	HY01	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	4	4	5	5	5	5	5	5	6	5	5	5	5	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7					
UPIA	HY02	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	5	5	5	5	5	5	5	5	5					
Total Hydro		1449	1009	868	799	797	807	798	796	760	739	819	818	825	915	902	898	890	997	1209	1153	1237	1151	1199	1227	1240	1157	1097	1156	1315	1310	1234	1288	1282	1287	1127	955	855	732	785	1047	1202	1243	1129	1108	1078	1046	1030	901			
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	0		
PCUF CUFK		32	31	30	31	30	30	31	30	31	29	30	30	31	31	29	30	32	31	30	31	29	32	31	30	30	30	31	31	30	29	27	28	29	30	30	30	31	30	31	29	31	31	30	31	30	31	32	31	30	30	
Total Co-Gen		32	31	30	31	30	30	31	30	31	29	30	30	31	31	29	30	32	31	30	31	29	32	31	30	30	30	31	31	30	29	27	28	29	30	30	30	31	30	31	29	31	31	30	31	30	31	32	31	30	30	
Total Gen		14001	13554	13285	13027	12870	12610	12397	12343	12236	12137	11998	12110	12237	12388	12165	12305	12766	13818	14658	15063	15509	15844	16076	16146	16004	15770	15700	15860	16228	16367	16331	16338	16326	16357	15929	15368	14959	14727	14812	15484	15617	15613	15411	15224	14863	14613	14348	14040			
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	
TIE-HVDC		-30	-28	-28	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-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	-30	-30	-29			
TIE-PLTG		15	-1	-17	-6	27	35	21	-8	33	70	39	-3	-47	17	-15	55	-21	-14	35	3	-26	-18	-68	-53	-58	-17	10	17	25	-81	-19	-9	31	48	-7	15	18	-50	-97	-33	-23	-15	18	25	4	-63	-31	-38			
Interconnection		-16	-29	-46	-35	-2	6	-9	-37	3	40	9	-32	-76	-12	-43	26	-50	-43	6	-26	-55	-47	-97	-82	-87	-46	-20	-13	-4	-110	-49	-39	1	18	-37	-14	-11	-78	-126	-63	-52	-44	-11	-4	-26	-93	-61	-67			
System Total		14017	13583	13331	13062	12872	12604	12406	12380	12233	12097	11989	12142	12313	12400	12208	12279	12816	13861	14652	15089	15564	15891	16173	16228	16091	15816	15720	15873	16232	16477	16380	16377	16325	16339	15966	15382	14970	14805	14938	15547	15669	15657	15422	15228	14889	14706	14409	14107			
SRev ST-Coal		263	258	253	244	259	270	262	264	272	276	255	267	253	256	265	277	256	228	199	199	168	186	190	184	183	192	189	184	205	184	178	181	205	-218	-193	-162	-73	-89	-27	155	173	175	180	171	174	174	183	177			
SRev OCGT-Gas		124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	35	95	92	163	307	284	312	192	131	135	135	133	157	78	77	79	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		370	288	418	474	240	393	601	647	712	784	1220	1086	977	918	1116	1175	1146	606	413	378	339	371	503	555	614	700	620	591	332	328	353	394	377	377	365	571	793	915	793	199	205	248	330	297	626	445	684	869			
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		-2	-1	0	-1	0	0	-1	0	-1	1	0	0	-1	-1	1	0	-2	-1	0	-1	1	-2	-1	0	0	0	-1	-1	0	1	3	2	1	0	0	0	-1	0	-1	1	-1	-1	0	-1	-2	-1	0	0			
Syncon		626	928	1079	1079	1079	928	1079	1079	1079	928	1029	1029	928	928	777	928	777	651	651	525	525	525	525	525	525	525	651	651	500	500	500	500	500	500	626	777	928	928	928	777	777	626	626	626	626	626	626	626			
Hydro		255	193	33	102	104	245	103	105	141	162	233	233	226	237	250	255	112	156	220	276	338	424	526	498	485	698	632	573	565	570	521	592	598	593	477	498	447	570	517	506	501	611	475	496	526	408	424	553			
S.Reserve Total		1636	1666	1783	1898	1682	1836	2044	2095	2228	2327	2636	2615	2484	2338	2560	2484	2440	1766	1483	1503	1371	1577	1778	1857	1899	2278	2398	2282	1914	1775	1686	1804	1816	1385	1432	1762	2171	2403	2210	1638	1655	1659	1636	1614	1950	1652	1917	2225			