

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	2,510 MW
Distillate	0 MW
Total TNB	6,059 MW
Total IPP	16,181 MW
Total Co-Gen	48 MW
Total System	22,852 MW

Generation Mix

Type	MWh	Percentage
Gas	37,330	12.88 %
Hydro	12,149	4.19 %
Total TNB	49,479	17.07 %
ST-Coal	182,960	63.14 %
Gas	56,573	19.52 %
Total IPP	239,533	82.66 %
Co-Gen	1,592	0.55 %
Total Co-Gen	1,592	0.55 %
Total Generation	290,604	100.29 %
PLTG	-689	-0.24 %
HVDC	1,518	0.52 %
Interconnection	829	0.29 %
Net Energy	289,775	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:	00:00:00 Hour
Total Set On Bus	15,462 MW
TNB Generation	2,167 MW
IPP Generation	11,022 MW
Spinning Reserve	2,208 MW
Maximum Demand	13,251 MW
Net Energy	289,775 MWH
Load Factor	91.12 %

Fuel Cost

Total Cost:	42,126,596.45 RM
Cost per Unit	15.13 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	221
Hydro	431
Syncon	866
Thermal	412
Total	1,930

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	213
Total TNB	264
CBPS	55
NPRI	151
PGLA	71
PLPS	39
SGRI	80
Total IPP	396
Total Gas	661
Total Gas Required	661

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	13251	12640	12167	11776	11443	11344	11179	10689	10258	11124	11850	12290	12328	12201	12492	12543	12497	12283	12041	12158	12739	12930	12791	12537

Daily MW Generation on Saturday

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
HTRG	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
HTRG	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
KNRG	HY01	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	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
KNRG	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
KNYR	HY01	71	101	82	81	66	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	101	100	101	62	58	58
KNYR	HY02	99	103	93	77	62	62	61	63	60	60	60	61	66	65	60	67	90	97	107	103	100	105	107	103
KNYR	HY03	100	104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	102	101	102	-1	-1	-1
KNYR	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
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
MNOR	HY01	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	22	21	23	19	26	32	21	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
SIHY	HY01	49	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	50	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
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
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
SYPS	HY03	25	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	25	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	-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	HY02	32	33	32	33	33	33	33	33	33	33	33	33	33	33	34	35	83	83	63	56	63	43	38	83
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
TMGR	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
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
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
UPIA	HY01	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	4	6	6	6	6	6	6	6	6
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	6	3	2	3	5	5	5	5	5	5	5	5	5	5
Total Hydro		674	465	330	314	280	213	212	235	212	234	211	212	233	217	208	202	210	237	244	257	275	383	389	
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
PCUF	CUFG	28	31	33	30	30	29	29	30	30	31	32	31	32	32	32	32	32	31	29	30	29	30	29	30
PCUF	CUFK	37	38	39	38	37	37	37	36	37	37	38	38	40	39	38	36	38	38	37	37	34	32	33	32
Total Co-Gen		65	69	72	68	67	66	66	67	68	70	69	68	70	70	70	69	66	63	64	61	63	62	62	61
Total Gen		13254	12867	12648	12461	12210	11961	11790	11596	11429	11520	11359	11207	11195	11098	10694	10367	10251	10722	11116	11502	11809	12148	12286	
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
TIE-HVDC		31	31	30	30	31	31	29	31	31	31	30	30	30	30	31	31	30	30	31	31	31	31	29	29
TIE-PLTG		-28	-64	-23	-13	13	-34	-14	-20	-44	-15	-15	-17	-14	-47	-25	-10	-38	-50	-38	-33	-71	-101	-35	-2
Interconnection		3	-33	8	17	43	-3	14	11	-14	15	15	13	16	-17	5	20	-7	-19	-8	-3	-41	-71	-4	
System Total		13251	12900	12640	12444	12167	11964	11776	11585	11443	11505	11344	11194	11179	11115	10689	10347	10258	10741	11124	11505	11850	12219	12448	
SRev ST-Coal		283	329	325	320	309	503	593	716	756	747	745	742	756	802	798	781	787	792	748	645	467	525	543	
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
SRev CCGT-Gas		694	370	367	496	721	320	308	262	326	267	408	565	588	566	969	1309	1315	871	580	475	437	182	128	
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
SRev Co-Gen		-17	-21	-24	-20	-19	-18	-18	-19	-20	-22	-21	-24	-23	-21	-20	-22	-22	-22	-21	-18	-15	-16	-13	-15

Daily MW Generation on Saturday

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																								
Syncon		1127	1127	1228	1228	1228	1329	1329	1178	1329	1178	1329	1178	1178	737	374	374	374	890	1041	1041	739	739	739	739	890	991	1092	941	941	941	739	739	739	941	941	1243	1243											
Hydro		121	80	114	130	164	130	131	259	131	260	132	131	261	126	135	141	133	106	99	86	219	211	205	434	1116	776	1051	570	296	45	309	312	327	308	315	206	281	268	452	596	585	463	462	551	513	538	135	135
S.Reserve Total		2208	1885	2010	2154	2403	2264	2343	2397	2523	2432	2592	2746	2759	2800	3210	3540	3542	3076	2734	2514	2283	2081	2038	1882	2458	2164	2199	1866	1567	1444	1442	1427	1797	1678	1803	1783	2119	2146	2346	2005	1818	1531	1564	1717	1794	2212	2076	2003