

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	2,262 MW
Distillate	0 MW
Total TNB	5,811 MW
Total IPP	14,541 MW
Total Co-Gen	58 MW
Total System	20,974 MW

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:	21:00:00 Hour
Total Set On Bus	15,536 MW
TNB Generation	2,608 MW
IPP Generation	11,613 MW
Spinning Reserve	1,264 MW
Maximum Demand	14,410 MW
Net Energy	307,563 MWH
Load Factor	88.93 %

Gas Usage

Station	(mmscfd)
GLGR	49
TJGS	213
Total TNB	262
CBPS	54
KLPP	70
NPRI	145
PGLA	66
PLPS	35
SGRI	152
Total IPP	522
Total Gas	785
Total Gas Required	785

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	36,989	12.03 %
Hydro	12,898	4.19 %
Total TNB	49,887	16.22 %
ST-Coal	183,404	59.63 %
Gas	71,588	23.28 %
Total IPP	254,992	82.91 %
Co-Gen	1,242	0.40 %
Total Co-Gen	1,242	0.40 %
Total Generation	306,121	99.53 %
PLTG	-744	-0.24 %
HVDC	-698	-0.23 %
Interconnection	-1,442	-0.47 %
Net Energy	307,563	100.00 %

Fuel Cost

Total Cost:	47,021,614.45 RM
Cost per Unit	16.04 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	340
Hydro	195
Syncon	979
Thermal	190
Total	1,704

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

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	13659	13080	12746	12355	12143	12125	11960	11380	10952	11659	12162	12699	12708	12760	12957	13214	13171	13038	12886	12987	13950	14410	14343	14020

Daily MW Generation on Sunday

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	
BSIA	HY03	24	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	10	9	9	10	9	10	0	0	0	0	0	0
CEND	HY02	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	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
KNRG	HY01	21	22	22	22	22	22	22	0	0	0	0	0	0	0	0	39	36	34	27	24	21	38	37	38	37
KNRG	HY02	20	22	21	21	21	21	20	22	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	37	37	37	37	37	37	37	37	38	38	38	38	38	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	93	101	100	100	100	100	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY02	94	102	101	101	100	100	97	61	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY03	94	101	101	101	101	100	98	61	60	61	59	59	60	59	52	58	61	59	58	58	62	-1	-1	-1	
KNYR	HY04	95	102	102	102	101	101	101	98	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	102	58	72	59	101	
LPIA	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	11	11	
LPIA	HY02	13	13	9	9	9	9	9	9	10	13	13	13	13	13	13	13	13	13	13	13	13	11	9	9	
MNOR	HY01	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	2	2	4	4	4	4	
PGAU	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	
PGAU	HY03	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	50	50	50	50	49	50	49	50	50	49	50	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	50	50	50	50	50	50	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY03	49	49	49	49	49	49	49	49	49	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	25	25	25	25	25	25	25	25	25	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	
SYPS	HY02	25	25	25	25	25	25	25	25	25	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	
SYPS	HY03	25	25	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	25	25	25	25	25	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	77	31	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
TMGR	HY02	79	33	33	33	33	33	29	33	33	33	33	32	36	36	36	36	36	36	35	36	36	83	81	83	
TMGR	HY03	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	77	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY01	80	94	89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY02	173	96	90	94	92	94	94	83	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	4	4	4	4	4	4	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5	5	5	5	
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	
Total Hydro		1367	1081	1097	945	939	942	962	912	566	563	451	203	203	221	198	194	201	204	233	235	248	252	287	349	
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	CUFK	25	25	25	25	25	25	25	24	27	26	26	25	24	24	23	23	23	22	21	21	21	21	21	21	
PCUF	CUFK	35	30	28	29	27	28	28	29	28	29	28	29	28	28	28	27	29	28	30	28	28	27	29	25	
Total Co-Gen		60	55	53	54	52	53	53	54	52	56	55	54	55	53	52	55	55	58	55	55	52	52	51	50	
Total Gen		13645	13319	13088	12899	12715	12445	12329	12195	12127	12181	12100	11869	11907	11731	11408	10888	10914	11323	11563	11853	12110	12428	12637	12668	
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		-28	-28	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-31	-29	-29	-31	-29	
TIE-PLTG		14	-11	37	-18	-2	-9	3	31	13	-8	4	0	-24	0	57	13	-9	-55	-67	-71	-23	-43	-34		
Interconnection		-14	-39	8	-47	-31	-38	-26	1	-16	-37	-25	-29	-53	-29	28	-16	-38	-84	-96	-100	-52	-72	-62		
System Total		13659	13358	13080	12946	12746	12483	12355	12194	12143	12218	12125	11898	11960	11760	11380	10904	10952	11407	11659	11953	12162	12500	12699	12785	
SRev ST-Coal		248	254	251	261	253	257	260	255	256	246	250	259	260	248	247	270	263	257	266	254	258	263	269	261	
SRev CCGT-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		753	630	816	819	1006	1271	1407	1499	1219	1171	1137	1107	1073	1274	1578	2084	2070	1675	1450	1174	923	607	420	462	

Daily MW Generation on Sunday

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																								
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											
SRev Co-Gen		-2	3	5	4	6	5	6	2	3	4	3	5	6	3	3	0	3	3	6	6	7	8	6	8	7	9	9	10	8	12	9	9	11	12	8	8	9	8	8	8	8	7	7	7	6	6	9	
Syncon		302	388	237	663	663	663	512	663	951	951	1052	1052	1052	901	1052	1052	1052	1052	1052	1052	1052	1052	1052	1052	1052	1052	1203	1203	1052	1203	1203	1203	1203	1203	1203	1203	1203	827	827	676	676	676	489	489	525	676		
Hydro		266	381	516	218	224	221	352	251	209	212	146	144	144	272	144	148	141	136	157	146	157	153	118	56	90	74	223	49	66	227	183	185	177	165	108	81	125	113	130	251	312	335	298	298	406	432	533	419
S.Reserve Total		1567	1656	1825	1965	2152	2417	2536	2672	2641	2582	2588	2591	2557	2725	3052	3557	3529	3120	2928	2629	2396	2081	1866	1839	1866	1832	1992	1887	1976	1886	1752	1901	1822	1850	1748	1895	2113	2159	2128	1985	1679	1337	1264	1262	1267	1348	1387	1561