

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,745 MW
Hydro	2,097 MW
Distillate	0 MW
Total TNB	5,842 MW
Total IPP	13,636 MW
Total Co-Gen	56 MW
Total System	20,098 MW

Generation Mix

Type	MWh	Percentage
Gas	51,322	15.44 %
Hydro	11,164	3.36 %
Total TNB	62,486	18.80 %
ST-Coal	158,874	47.81 %
Gas	109,794	33.04 %
Total IPP	268,668	80.85 %
Co-Gen	1,058	0.32 %
Total Co-Gen	1,058	0.32 %
Total Generation	332,212	99.97 %
PLTG	-815	-0.25 %
HVDC	720	0.22 %
Interconnection	-95	-0.03 %
Net Energy	332,307	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	17,320 MW
TNB Generation	3,342 MW
IPP Generation	12,138 MW
Spinning Reserve	1,797 MW
Maximum Demand	15,550 MW
Net Energy	332,307 MWH
Load Factor	89.04 %

Fuel Cost

Total Cost:	44,105,406.90 RM
Cost per Unit	13.74 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	617
Hydro	222
Syncon	680
Thermal	199
Total	1,718

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	48
GLGR	59
PGPS	48
SRDG	12
TJGS	215
Total TNB	382
CBPS	51
KLPP	94
MPSS	28
NPRI	151
PDPS	9
PGLA	110
PLPS	91
PTEK	15
SGB3	53
SGRI	187
SKSP	51
Total IPP	839
Total Gas	1,221
Total Gas Required	1,221

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	13674	12892	12568	12147	11960	11687	11931	11910	12259	13908	14773	15434	15429	15004	15180	15525	15392	15054	14189	14067	14785	14627	13967	13597

Daily MW Generation on Friday

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
SGRI	GT21	114	114	112	112	67	67	68	68	67	67	66	66	67	69	67	66	66	67	69	67	66	66	67	69
SGRI	GT22	118	70	0	0	0	0	0	0	0	0	0	0	0	54	135	133	138	131	131	132	132	132	132	132
SGRI	GT23	115	115	115	115	70	70	70	70	69	69	69	69	69	69	70	124	129	129	129	136	129	129	129	129
SGRI	ST24	200	188	132	133	108	100	99	98	100	98	97	99	100	97	99	102	97	135	146	212	211	219	214	212
SKSP	BLK1	236	240	222	231	253	244	219	216	219	218	218	217	218	218	218	275	328	329	328	327	326	326	328	328
TJGS	GT1A	228	226	224	228	227	220	225	219	219	220	222	228	225	224	222	223	226	226	226	226	226	226	226	221
TJGS	GT1B	221	220	219	219	221	212	216	216	213	212	217	215	216	215	212	220	207	217	216	216	216	214	214	209
TJGS	ST1C	253	250	250	250	250	250	247	250	251	247	247	249	245	249	249	246	254	253	253	253	253	253	250	253
TJGS	GT2A	213	213	213	213	215	212	169	137	136	136	136	136	135	136	137	144	219	213	213	213	213	213	213	213
TJGS	GT2B	212	212	209	211	211	211	169	133	135	135	135	134	134	134	135	133	143	217	211	211	211	211	211	211
TJGS	ST2C	256	256	256	256	256	249	213	211	213	213	213	213	213	213	248	257	257	257	257	257	257	254	254	254
Total CCGT-Gas		6814	6433	6011	5846	5747	5477	5190	4990	4870	4738	4704	4842	4933	5142	4919	4851	5233	6199	6831	7347	7509	7688	7599	7563
PDPS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PDPS	CT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	87	88	88	87	87	88	88	88
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	106	88	88	86	88	90	86	89
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	89	86	89	92	86	90	76	70
SRDG	CT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	130	116	117	117	117	116	116	116
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total OCCT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	236	452	380	382	377	381	385	483	490
BSIA	HY01	11	10	10	10	10	10	10	11	10	11	11	11	11	11	11	21	21	21	21	21	20	20	11	11
BSIA	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
BSIA	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
CEND	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10	10	10
CEND	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10	10	10
CEND	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10	10	10
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	0	0	-1	-1	-1	0	0	0	64	-1	-1	-1	-1	101	101	101
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	66	66	65	65	65	65	65	65	101
KNRC	HY01	38	38	38	38	38	38	37	38	38	38	38	38	38	38	38	38	25	25	37	36	0	0	0	36
KNRC	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	-1	-1	-1	-1	-1	58	89	90	89	90	90	91	90	90	90	90	90	90	-1	-1	-1	-1	-1	-1
KNYR	HY03	58	56	57	58	59	60	57	98	98	98	98	98	98	98	98	98	97	98	101	101	101	101	102	
KNYR	HY04	-1	-1	-1	-1	-1	59	100	100	99	101	101	101	101	101	101	102	101	101	101	101	101	101	101	102
LNPIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	5	5	5	5	5	5
PCAU	HY01	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	20	27	20	21	19	-1	-1	-1	-1
PCAU	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
PCAU	HY03	-1	-1	17	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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
SIHY	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
SYPS	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
SYPS	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
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
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
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	31	30	30	32	31	30	31	30	30	32	32	33	33	33	33	33	36	33	34	33	36	39	83	83
TMGR	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
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Daily MW Generation on Friday

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																											
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	150	138	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	184	184														
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4													
Total Hydro		168	164	183	168	168	168	284	397	422	399	403	423	404	402	401	403	407	414	412	412	509	508	633	907	839	633	458	326	545	736	909	916	852	811	639	292	184	239	247	516	623	700	550	427	379	348	356	339			
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	CUFC	26	29	28	27	29	28	28	28	28	26	27	29	29	28	29	29	27	27	25	25	26	27	27	27	27	26	26	26	26	23	25	25	25	23	24	25	25	25	27	30	31	31	30	32	32						
PCUF	CUFK	17	17	17	17	16	17	15	17	17	17	17	17	18	16	16	17	16	16	17	16	16	17	17	17	16	18	17	17	17	18	16	16	18	17	15	17	18	17	17	16	17	17	17	17	17	17	17	17			
Total Co-Gen		43	46	45	44	45	45	43	45	45	43	43	44	46	47	44	45	46	44	44	44	45	42	41	42	45	44	44	44	43	43	40	43	41	41	41	41	41	41	40	42	43	44	44	47	47	48	47	49	49		
Total Gen		13664	13275	12872	12695	12581	12326	12158	12034	11940	11786	11753	11910	11993	12190	11962	11901	12280	13244	13918	14432	14698	15099	15348	15585	15421	15155	14912	15010	15165	15428	15529	15523	15416	15336	15074	14515	14219	13963	14082	14576	14779	14649	14588	14418	13858	13943	13571	13351			
TIE-ECAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	29	29	30	30	29	29	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-41	-38	-50	-29	-7	0	-19	-47	-50	-5	36	-16	33	6	22	-22	-9	30	-20	-26	-105	-123	-116	-54	-38	-18	-122	-101	-46	-104	-26	-57	-6	-13	-10	-28	0	6	-15	-52	-35	-28	-68	-30	-40	-29	-56	-66			
Interconnection		-10	-7	-20	0	23	30	11	-17	-20	25	66	15	62	36	52	8	21	60	10	4	-75	-93	-86	-24	-8	12	-92	-70	-15	-74	4	-27	24	17	20	2	30	36	15	-22	-6	2	-39	0	-9	1	-26	-36			
System Total		13674	13282	12892	12695	12568	12296	12147	12051	11960	11761	11687	11895	11931	12154	11910	11893	12259	13184	13908	14428	14773	15192	15434	15529	15429	15143	15004	15080	15180	15502	15525	15550	15392	15319	15054	14513	14189	13927	14067	14508	14785	14647	14627	14418	13967	13942	13597	13387			
SRev ST-Coal		185	192	191	187	193	188	183	222	221	218	221	223	214	225	226	222	230	237	193	197	188	202	202	210	199	207	202	199	210	196	189	197	206	212	204	212	221	203	199	198	207	203	190	196	190	204	201	184			
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	0	0
SRev CCGT-Gas		897	957	969	1134	1136	1406	1693	1893	2013	2145	2179	2041	1950	1741	1964	2032	1650	1149	935	562	400	306	395	431	461	511	587	364	515	463	563	560	577	492	488	438	603	932	824	602	498	710	637	678	1097	1066	1253	1067			
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	0
SRev Co-Gen		13	10	11	12	11	11	13	11	11	13	13	12	10	9	12	11	10	12	12	10	12	11	14	15	14	11	12	12	12	13	13	13	16	13	15	15	15	15	15	16	14	13	12	9	9	8	9	7	7		
Syncon		1076	1076	925	1076	1076	874	874	597	748	748	723	874	874	874	748	748	748	748	748	748	471	471	471	572	698	799	950	950	950	740	655	655	655	655	655	655	865	1076	975	975	723	622	622	748	975	824	975	824	975		
Hydro		139	143	275	139	139	225	112	239	111	107	237	105	107	108	107	103	96	98	98	278	279	239	327	369	302	326	108	89	108	202	195	259	200	285	227	124	170	162	145	139	212	286	182	381	151	294	160				
S Reserve Total		2310	2378	2371	2548	2555	2820	2888	3112	3081	3235	3268	3236	3153	2856	3184	3245	2741	2242	1986	1615	1349	1264	1317	1623	1807	1901	2144	1696	1850	1587	1791	1797	1904	1666	1718	1831	2039	2295	2176	1682	1479	1759	1870	2040	2500	2485	2579	2393			