

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	15,981 MW
Total Co-Gen	0 MW
Total System	22,604 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:	11:30:00 Hour
Total Set On Bus	16,268 MW
TNB Generation	2,399 MW
IPP Generation	12,132 MW
Spinning Reserve	1,681 MW
Maximum Demand	14,676 MW
Net Energy	326,359 MWH
Load Factor	92.66 %

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	203
Total TNB	253
CBPS	50
KLPP	31
NPRI	146
PGLA	103
PLPS	35
SGRI	169
Total IPP	534
Total Gas	787
Total Gas Required	787

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	35,287	10.81 %
Hydro	13,948	4.27 %
Total TNB	49,235	15.09 %
ST-Coal	202,629	62.09 %
Gas	73,218	22.43 %
Total IPP	275,847	84.52 %
Co-Gen	1,389	0.43 %
Total Co-Gen	1,389	0.43 %
Total Generation	326,471	100.03 %
PLTG	-616	-0.19 %
HVDC	728	0.22 %
Interconnection	112	0.03 %
Net Energy	326,359	100.00 %

Fuel Cost

Total Cost:	46,939,161.95 RM
Cost per Unit	15.02 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	387
Hydro	391
Syncon	868
Thermal	270
Total	1,916

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

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	14075	13332	12947	12550	12338	12273	12074	11944	12122	13531	14190	14574	14502	14171	14297	14588	14578	14346	13701	13491	14153	14342	14051	13698

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
BSIA	HY01	22	22	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY02	19	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY03	23	23	23	24	24	24	23	24	24	24	23	23	23	23	23	16	16	16	16	0	0	0	0	0
CEND	HY01	10	10	10	10	10	10	9	9	10	10	9	9	9	10	10	9	9	10	10	9	9	9	10	10
CEND	HY02	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	0	7	7	7	8	8	7	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0
HTRG	HY02	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1
KNRG	HY01	35	35	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	83	62	60	67	59	69	60	0	0	0	0	0	0	0	0	59	59	59	59	59	58	58	59	59
KNYR	HY02	59	58	56	56	56	57	56	-1	-1	-1	-1	-1	-1	-1	61	59	59	59	60	59	59	59	59	59
KNYR	HY03	59	59	56	57	57	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	60	60	60	60	60	61	61	65	99
KNYR	HY04	85	65	59	60	57	64	59	81	82	77	83	101	72	85	57	56	97	100	101	92	84	96	95	100
LPIA	HY01	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	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	5	5	5	5	1	1	1	1	1	1	1	1	1	1	5	5	6	6	6	6	7	7	7	7
PGAU	HY01	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	21	-1	-1
PGAU	HY02	21	21	-1	-1	-1	-1	-1	-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	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	22	22	21	-1	-1	
PGAU	HY04	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	20	21	21	20	0	
SIHY	HY01	30	30	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	49	33	33
SIHY	HY02	30	30	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	51	33	33
SIHY	HY03	30	30	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50	50	49	49	49	49
SYPS	HY01	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
SYPS	HY04	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
TMGR	HY01	36	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	38	37	37	38	38	38	35	38	38	38	38	38	38	38	38	38	38	38	40	63	32	33	33	33
TMGR	HY03	35	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	29	31	31	31	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	88	88	92	92	93	
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	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	7	7	7	7	7
Total Hydro		889	831	439	410	396	357	337	246	246	263	248	266	235	249	217	216	262	264	499	635	683	695	693	700
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	22	22	21	21	22	21	21	22	21	22	23	23	23	22	21	21	22	22	21	21	19	20	20	20
PCUF	CUFK	28	40	39	39	40	41	40	42	40	39	41	41	40	40	41	39	40	39	38	39	35	35	31	31
Total Co-Gen		50	62	60	60	62	62	61	64	61	61	64	64	64	63	62	62	60	60	60	61	56	56	50	51
Total Gen		14117	13829	13430	13328	13136	12818	12603	12444	12360	12361	12299	12198	12102	12121	12016	12029	12186	12947	13541	13895	14155	14375	14496	14587
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		30	30	30	30	30	30	31	31	30	30	30	30	30	29	29	30	30	31	31	31	31	31	31	31
TIE-PLTG		11	35	67	35	159	27	22	-14	-8	-7	-4	-2	-2	-50	42	17	34	-37	-21	41	-66	-104	-109	-120

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																										
Interconnection		42	66	98	65	189	57	53	16	22	22	26	28	28	-20	72	47	64	-8	10	71	-35	-73	-78	-89	-47	-23	-11	-51	-48	-75	-5	37	5	14	30	-1	15	-5	16	17	-42	-24	-58	-59	3	-19	-50	-64		
System Total		14075	13763	13332	13263	12947	12761	12550	12428	12338	12339	12273	12170	12074	12141	11944	11982	12122	12955	13531	13824	14190	14448	14574	14676	14502	14326	14171	14191	14297	14529	14588	14648	14578	14558	14346	14030	13701	13505	13491	13889	14153	14423	14342	14227	14051	13937	13698	13539		
SRev ST-Coal		416	319	309	309	270	300	324	408	366	382	362	370	361	356	383	375	370	373	386	367	319	314	303	270	264	268	215	219	228	314	277	252	270	293	321	281	-77	24	86	177	161	100	171	269	267	270	257	276		
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
SRev CCGT-Gas		1315	1452	1473	1421	1502	1570	1688	1358	1273	1253	1328	1432	1504	1508	1586	1573	1459	691	432	335	411	358	293	182	231	338	421	434	316	146	374	303	596	669	944	1189	1288	1405	1160	921	412	370	326	282	389	311	530	338		
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	-14	-12	-12	-14	-14	-13	-16	-13	-13	-16	-16	-15	-14	-14	-14	-12	-14	-12	-12	-13	-8	-8	-2	-3	-2	-2	-1	-2	-2	-3	-10	-7	-6	-9	-7	-11	-11	-11	-10	-8	-10	-7	-11	-11	-11	-11			
Syncon		777	777	1167	1167	1167	1142	1142	1243	1243	1092	1243	1243	1243	1243	1243	1243	1243	1243	1041	1041	1041	1041	1041	1041	915	915	915	915	915	764	426	728	728	728	275	426	613	739	1142	1127	1001	627	1001	1001	951	1102	1203	1203		
Hydro		751	659	315	235	249	188	208	98	98	232	96	78	109	95	127	128	82	80	70	161	213	201	203	196	211	201	201	202	203	333	516	315	512	610	1045	873	835	836	291	140	88	275	91	252	312	133	96	83		
S.Reserve Total		3257	3193	3252	3120	3174	3186	3349	3091	2967	2946	3013	3107	3201	3187	3325	3305	3140	2375	2117	1892	1972	1901	1832	1681	1744	1844	1875	1893	1786	1680	1716	1720	2221	2418	2704	2885	2777	3118	2793	2479	1777	1489	1704	1922	2033	2030	2300	2114		