

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,199 MW
Hydro	2,361 MW
Distillate	0 MW
Total TNB	5,560 MW
Total IPP	13,510 MW
Total Co-Gen	80 MW
Total System	19,150 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:	15:00:00 Hour
Total Set On Bus	18,196 MW
TNB Generation	4,928 MW
IPP Generation	12,154 MW
Spinning Reserve	1,043 MW
Maximum Demand	17,194 MW
Net Energy	364,589 MWH
Load Factor	88.35 %

Gas Usage

Station	(mmscfd)
CBPS	51
GLGR	52
PAKA	194
PGPS	45
SRDG	35
TJGS	165
Total TNB	541
CBPS	56
KLPP	100
NPRI	156
PDPS	18
PGLA	112
PKLG	8
PLPS	65
PTEK	44
SGB3	35
SGRI	124
SKSP	50
PKLG	25
Total IPP	794
Total Gas	1,334
Total Gas Required	1,416

Alternate Fuel Usage

Station	(mmscfd)
PKLG	81
Total	81

Generation Mix

Type	MWh	Percentage
Gas	67,375	18.48 %
Hydro	30,779	8.44 %
Total TNB	98,154	26.92 %
ST-Coal	151,832	41.64 %
ST-Gas	2,530	0.69 %
ST-Oil	8,172	2.24 %
Gas	100,999	27.70 %
Total IPP	263,533	72.28 %
Co-Gen	1,677	0.46 %
Total Co-Gen	1,677	0.46 %
Total Generation	363,364	99.66 %
PLTG	-530	-0.15 %
HVDC	-695	-0.19 %
Interconnection	-1,225	-0.34 %
Net Energy	364,589	100.00 %

Fuel Cost

Total Cost:	60,259,190.10 RM
Cost per Unit	18.12 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	432
Hydro	342
Syncon	411
Thermal	156
Total	1,341

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

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	14988	14232	13706	13319	13014	12784	12812	12776	13042	14834	15772	16488	16409	16133	16335	17194	17142	16846	15831	15544	16658	16443	15978	15721

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																													
PGAU	HY01	25	23	23	22	22	21	21	-1	-1	-1	-1	-1	-1	-1	-1	110	110	111	111	109	-1	21	116	111	111	111	115	113	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	112	24										
PGAU	HY02	22	22	22	22	22	22	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	114	112	113	112	22	-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	-1	-1	-1	-1	-1	-1	-1	21	111	110	111	111	112	-1	-1	-1	-1	-1	85	84	21	22	-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	21	21	21	21	21	21	21	21	21	112	111	111	110	111	113	22	0	0	0	0	21	21	21	21	0	0	0	0	0	0	0	0	0					
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	30	50	50	50	50	50	50	51	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50			
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	50	50	50	50	50	50	0	0	0	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	49	49	49	49	49	49	0	0	0	0	0	0	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
SYPS	HY01	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	16	16	16	16	16	16	16	16	16	25	25	25	25	25	25	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
SYPS	HY02	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	16	16	16	16	16	16	16	16	16	25	25	25	25	25	25	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25		
SYPS	HY04	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	16	16	16	16	16	16	16	16	16	25	25	25	25	25	25	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
TMGR	HY01	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	60	87	87	87	87	87	87	87	87	87	87	87	87	87	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60			
TMGR	HY02	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	60	87	87	87	87	87	87	87	87	87	87	87	87	87	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60		
TMGR	HY03	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	30	30	30	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
TMGR	HY04	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	30	30	30	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
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	-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	-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	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		
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
Total Hydro		1121	1094	1103	1090	1044	1045	1037	1036	989	985	987	984	970	996	915	935	912	1224	1271	1294	1510	1589	1619	1692	1617	1331	1131	1153	1275	1656	1768	1963	1846	1840	1680	1262	916	901	917	1039	1483	1483	1475	1433	1274	1300	1739	1486					
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	0	0	0	
PCUF	CUFG	43	42	42	43	43	43	42	43	43	42	42	43	41	41	43	44	40	40	39	39	39	39	38	38	38	37	37	37	38	36	38	31	31	32	31	31	31	31	31	31	32	33	34	34	34	34	34	34	34	34	34	34	34
PCUF	CUFK	38	40	39	39	39	39	39	38	39	40	39	39	41	38	39	37	40	40	39	39	40	40	39	40	40	39	41	37	39	40	39	31	18	20	18	18	20	18	19	17	17	17	17	17	17	17	17	17	17	17	17	17	17
Total Co-Gen		81	82	81	82	82	82	81	81	82	82	81	82	80	82	81	83	77	80	79	78	78	78	77	77	77	76	79	73	77	71	70	63	49	51	49	49	51	49	51	49	51	50	51	51	51	51	53	51	53	51	52	52	52
Total Gen		14866	14462	14111	13806	13624	13485	13279	13079	12948	12801	12735	12777	12744	13087	12723	12667	13055	14167	14767	15302	15706	16110	16401	16571	16384	16125	16061	16068	16255	16773	17153	17148	17090	17068	16796	16348	15785	15488	15517	16302	16636	16678	16439	16305	15990	15833	15671	15434	15434	15434			
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	0	0	
TIE-HVDC		-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-29	-29	-29	-28	-28	-29	-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	-29	-29	-29	-29	
TIE-PLTG		-92	-70	-91	-8	-54	-65	-11	16	-38	-19	-19	-42	-40	-86	-24	-8	42	-39	-39	-59	-37	-52	-58	1	4	-55	-43	-47	-51	18	-12	-4	-23	-17	-20	45	-18	158	3	-29	7	-40	25	-10	40	-32	-21	-48	-48	-48			
Interconnection		-122	-100	-121	-36	-82	-94	-40	-13	-66	-49	-49	-71	-68	-115	-53	-37	13	-68	-67	-89	-66	-80	-87	-28	-25	-84	-72	-76	-80	-11	-41	-33	-52	-47	-50	16	-46	129	-27	-58	-22	-69	-4	-38	12	-61	-50	-77	-77	-77			
System Total		14988	14562	14232	13842	13706	13579	13319	13092	13014	12850	12784	12848	12812	13202	12776	12704	13042	14235	14834	15391	15772	16190	16488	16599	16409	16209	16133	16144	16335	16784	17194	17181	17142	17115	16846	16332	15831	15359	15544	16360	16658	16747	16443	16343	15978	15894	15721	15511	15511	15511	15511	15511	
SRev ST-Coal		142	125	151	150	149	149	147	196	194	184	195	198	200	179	192	199	201	148	149	144	142	183	172	182	194	179	176	166	181	175	104	149	133	148	148	145	136	147	151	139	153	95	-35	-33	155	152	194	193	193	193	193		
SRev ST-Oil		80	71	71	71	72	72	71	71	70	70	72	72	71	71	72	72	76	14	3	0	-1	-1	-2	-2	-2	-2	-2	-1	39	39	41	82	81	83	41	3	41	41	41	41	41	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0
SRev CCGT-Gas		649	912	1243	1404	1351	1265	1464	1547	1601	1754	1811	1761																																									