

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,545 MW
Hydro	2,387 MW
Distillate	0 MW
Total TNB	<u>5,932 MW</u>
Total IPP	<u>13,999 MW</u>
Total Co-Gen	<u>55 MW</u>
Total System	<u>19,986 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	55,322	17.19 %
Hydro	5,686	1.77 %
Total TNB	61,008	18.96 %
ST-Coal	160,491	49.87 %
Gas	98,294	30.54 %
Total IPP	258,785	80.41 %
Co-Gen	1,257	0.39 %
Total Co-Gen	1,257	0.39 %
Total Generation	321,050	99.75 %
PLTG	-97	-0.03 %
HVDC	-702	-0.22 %
Interconnection	-799	-0.25 %
Net Energy	321,849	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:	14:30:00 Hour
Total Set On Bus	17,170 MW
TNB Generation	2,934 MW
IPP Generation	12,489 MW
Spinning Reserve	1,693 MW
Maximum Demand	15,532 MW
Net Energy	321,849 MWH
Load Factor	86.34 %

Fuel Cost

Total Cost:	45,539,054.85 RM
Cost per Unit	14.44 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	463
Hydro	154
Syncon	1,101
Thermal	132
Total	1,850

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	22
GLGR	54
PAKA	61
PGPS	50
SRDG	8
TJGS	213
Total TNB	407
CBPS	53
KLPP	91
MPSS	35
NPRI	153
PGLA	111
PKLG	4
PLPS	81
PTEK	18
SGRI	150
SKSP	31
Total IPP	727
Total Gas	1,135
Total Gas Required	1,135

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	12257	11736	11262	11037	10808	10741	10877	11189	11854	13642	14511	15224	15214	14888	15296	15497	15421	15024	14232	14166	14712	14427	13734	13361

Daily MW Generation on Tuesday

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																										
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6																										
Total Hydro		228	126	131	152	128	131	130	129	128	129	139	137	129	129	143	129	131	139	196	284	361	597	600	601	324	212	154	204	217	221	374	221	218	170	169	189	168	148	156	172	287	346	344	321	301	361	270	266		
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		
PCUF	CUFG	35	34	36	33	33	33	35	35	35	33	35	34	34	34	34	34	35	35	35	36	34	35	34	34	34	33	35	35	34	35	36	34	35	35	32	36	35	34	34	34	33	34	33	35	33	34	33	34		
PCUF	CUFK	18	18	20	19	17	18	19	18	20	19	20	18	17	18	17	20	18	18	18	17	18	17	19	18	17	19	18	18	18	19	18	18	18	19	18	18	18	17	19	18	18	17	17	18	17	19	19	18		
Total Co-Gen		53	52	56	52	50	51	54	53	55	52	55	52	51	52	51	54	52	53	53	52	54	51	54	52	51	51	52	54	51	54	54	52	53	54	50	54	53	51	53	52	51	51	50	53	50	53	52	52		
Total Gen		12244	11976	11641	11392	11272	11154	11008	10899	10741	10650	10715	10686	10830	11054	11237	11434	11837	12804	13551	14153	14517	14879	15210	15360	15210	14912	14842	15083	15232	15477	15450	15431	15353	15266	14999	14482	14193	13972	14142	14756	14701	14552	14399	14208	13772	13591	13350	13070		
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	
TIE-HVDC		-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28		
TIE-PLTC		16	-4	-66	-7	39	-22	0	-1	-38	-10	4	-12	-18	4	78	8	13	-23	-61	-21	35	19	15	-2	26	26	-16	-54	-34	-25	-18	-30	-39	-64	4	-59	-10	69	5	-13	18	26	1	-3	68	-38	18	1		
Interconnection		-13	-33	-95	-36	10	-52	-29	-30	-67	-39	-26	-41	-47	-25	48	-21	-17	-53	-91	-51	6	-10	-14	-30	-4	-4	-46	-83	-64	-55	-47	-59	-68	-93	-25	-89	-39	40	-24	-42	-11	-3	-28	-33	38	-67	-11	-27		
System Total		12257	12009	11736	11428	11262	11216	11037	10929	10808	10689	10741	10727	10877	11079	11189	11455	11854	12857	13642	14204	14511	14889	15224	15390	15214	14916	14888	15166	15296	15532	15497	15490	15421	15359	15024	14571	14232	13932	14166	14798	14712	14555	14427	14241	13734	13658	13361	13097		
SRev ST-Coal		114	99	101	115	114	101	107	112	90	105	108	110	99	118	116	181	139	245	157	68	58	162	137	105	137	150	145	139	135	122	135	134	131	121	119	162	119	174	113	116	205	101	108	192	199	98	173	154		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	63	31	3	10	13	171	165	162	163	73	103	38	53	22	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		506	686	979	820	915	1040	1192	1294	1475	1719	1664	1686	1544	1302	1134	1555	1426	622	621	536	589	424	481	355	343	482	556	416	280	282	419	143	259	109	300	785	1090	1333	1231	586	767	357	502	589	767	736	784	1006		
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	
SRev Co-Gen		2	3	-1	3	5	4	1	2	0	3	0	3	4	3	4	1	3	2	2	3	1	4	1	3	4	4	3	1	4	1	3	2	1	5	1	2	4	2	3	4	4	5	2	5	2	3	3			
Syncon		1230	1230	1230	1079	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1230	1079	1129	1041	1041	1041	991	1142	1144	1056	1142	1142	1142	1142	1142	1228	1228	991	1142	1142	1142	1142	1142	991	991	1142	1142	991	1142	1142			
Hydro		80	82	77	207	80	77	78	79	80	79	69	71	79	79	65	79	77	69	163	125	136	50	47	46	273	84	116	176	77	73	170	73	76	125	126	258	128	148	140	124	209	351	353	225	245	186	126	130		
S.Reserve Total		1932	2100	2386	2224	2344	2452	2608	2717	2875	3136	3071	3100	2956	2732	2549	3046	2875	2168	2022	1871	1888	1712	1710	1560	1761	2033	2129	1950	1801	1693	1970	1533	1663	1606	1873	2197	2481	2801	2628	1971	2327	1804	1959	2150	2358	2013	2228	2435		