

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,771 MW
Hydro	2,323 MW
Distillate	0 MW
Total TNB	5,094 MW
Total IPP	15,072 MW
Total Co-Gen	20 MW
Total System	20,750 MW

Generation Mix

Type	MWh	Percentage
Gas	40,879	12.03 %
Hydro	10,121	2.98 %
Total TNB	51,000	15.00 %
ST-Coal	198,356	58.35 %
Gas	90,553	26.64 %
Total IPP	288,909	84.99 %
Co-Gen	437	0.13 %
Total Co-Gen	437	0.13 %
Total Generation	340,346	100.12 %
PLTG	-299	-0.09 %
HVDC	721	0.21 %
Interconnection	422	0.12 %
Net Energy	339,924	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	17,646 MW
TNB Generation	2,771 MW
IPP Generation	13,346 MW
Spinning Reserve	1,511 MW
Maximum Demand	16,091 MW
Net Energy	339,924 MWH
Load Factor	88.02 %

Fuel Cost

Total Cost:	45,551,221.30 RM
Cost per Unit	13.79 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	386
Hydro	324
Syncon	842
Thermal	219
Total	1,771

Time Weather Temperature

Afternoon	Cloudy	34
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	45
GLGR	30
PAKA	51
PGPS	26
SRDG	4
TJGS	156
Total TNB	311
KLPP	72
MPSS	47
NPRI	140
PGLA	91
PKLG	8
PLPS	89
PTEK	12
SGRI	185
SKSP	48
Total IPP	692
Total Gas	1,004
Total Gas Required	1,004

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	13413	12741	12309	12070	11850	11761	12009	11940	12560	14273	15106	15714	15699	15390	15864	16061	15958	15532	14663	14957	15427	15286	14597	14225

Daily MW Generation on Wednesday

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	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3																											
Total Hydro		381	382	376	196	215	199	202	220	199	198	198	199	197	198	197	200	199	262	303	418	439	621	705	670	349	304	523	522	816	875	776	787	790	547	445	423	459	457	677	627	568	555	489	426	369	275	275				
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	CUFK	18	17	18	17	19	18	18	18	19	19	19	18	18	18	18	18	18	17	18	18	18	18	19	19	18	18	18	18	19	18	20	18	18	18	17	18	18	18	16	18	18	16	18	19	18	19	19	18			
Total Co-Gen		18	17	18	17	19	18	18	18	19	19	19	18	18	18	18	18	18	17	18	18	18	18	19	19	18	18	18	18	19	18	20	18	18	18	17	18	18	17	18	18	16	18	18	16	18	19	18	19	19	18	
Total Gen		13425	13108	12804	12646	12318	12187	12121	11926	11880	11771	11768	11885	12025	12254	11964	12087	12548	13500	14223	14646	15130	15482	15683	15819	15719	15414	15367	15716	15859	16135	16088	15950	16009	15783	15534	15023	14727	14552	14994	15586	15427	15425	15318	15189	14665	14464	14211	14039			
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		30	31	31	30	30	30	29	29	29	29	31	31	30	30	30	30	29	29	30	30	30	30	31	31	29	29	30	30	31	31	30	30	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	31			
TIE-PLTC		-18	36	31	0	-20	13	21	-9	1	7	-22	-5	-15	-6	-6	-21	-42	-20	-80	-65	-6	-2	-61	-102	-10	-4	-53	3	-36	13	-4	-12	22	-22	-29	9	34	-28	6	-36	-30	-19	2	21	38	-31	-44	-2			
Interconnection		12	67	63	30	9	44	51	20	30	37	7	25	16	25	24	9	-12	10	-50	-35	24	28	-31	-71	20	25	-23	33	-6	44	27	17	51	8	2	39	64	3	37	-6	0	11	32	51	68	0	-14	29			
System Total		13413	13041	12741	12616	12309	12143	12070	11906	11850	11734	11761	11860	12009	12229	11940	12078	12560	13490	14273	14681	15106	15454	15714	15890	15699	15389	15390	15683	15864	16091	16061	15933	15958	15775	15532	14984	14663	14549	14957	15592	15427	15414	15286	15138	14597	14464	14225	14010			
S.Rev ST-Coal		212	206	256	238	215	218	280	311	281	207	203	213	195	208	209	228	208	211	284	250	227	203	195	219	209	209	218	208	215	206	205	216	218	210	216	216	219	206	209	204	224	218	213	215	218	218	209	292			
S.Rev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	-1	2	32	34	84	84	106	0	2	2	62	56	86	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S.Rev CCGT-Gas		836	817	1071	1102	1474	1585	1592	1774	1830	2012	2019	1891	1770	1526	1816	1673	1758	1246	1235	673	391	285	271	224	297	231	224	312	269	293	342	261	217	300	302	474	745	968	522	155	244	191	292	354	453	439	594	601			
S.Rev 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	
S.Rev Co-Gen		2	3	2	3	1	2	2	2	1	1	1	2	2	2	2	2	2	0	1	1	2	1	1	2	2	2	2	3	2	2	1	1	2	0	2	2	3	2	2	2	4	2	1	2	1	1	1	2			
Syncon		1166	1166	1166	1166	1015	1166	1166	1015	1166	1166	1166	1166	1166	1166	1040	1040	1040	1040	702	702	677	1166	1166	878	878	727	727	727	727	727	727	878	878	878	878	1065	727	914	788	788	939	939	1040	1040	1040						
Hydro		127	126	132	112	244	109	106	239	109	110	110	110	109	111	110	111	108	109	172	131	216	245	401	317	377	184	154	323	324	281	472	571	560	557	363	315	187	151	152	370	233	293	306	171	184	140	134	134			
S.Reserve Total		2343	2318	2627	2621	2949	3080	3146	3341	3387	3496	3499	3382	3242	3013	3303	3180	3242	2732	2732	2095	1970	1773	1572	1496	1596	1876	1848	1830	1688	1511	1750	1838	1779	1882	1845	1885	2031	2206	1950	1458	1617	1494	1601	1680	1796	1838	1978	2069			