

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,197 MW
Hydro	2,137 MW
Distillate	0 MW
Total TNB	5,334 MW
Total IPP	14,292 MW
Total Co-Gen	55 MW
Total System	19,681 MW

Generation Mix

Type	MWh	Percentage
Gas	40,569	11.97 %
Hydro	8,287	2.45 %
Total TNB	48,856	14.42 %
ST-Coal	168,225	49.64 %
Gas	122,160	36.05 %
Total IPP	290,385	85.69 %
Co-Gen	585	0.17 %
Total Co-Gen	585	0.17 %
Total Generation	339,826	100.28 %
PLTG	221	0.07 %
HVDC	722	0.21 %
Interconnection	943	0.28 %
Net Energy	338,883	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	17,823 MW
TNB Generation	2,829 MW
IPP Generation	13,461 MW
Spinning Reserve	1,482 MW
Maximum Demand	16,326 MW
Net Energy	338,883 MWH
Load Factor	86.49 %

Fuel Cost

Total Cost:	48,140,884.05 RM
Cost per Unit	14.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	275
Hydro	211
Syncon	924
Thermal	137
Total	1,547

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	29
GLGR	55
PGPS	43
SRDG	29
TJGS	158
Total TNB	315

CBPS	53
KLPP	108
MPSS	58
NPRI	153
PGLA	106
PLPS	95
PTEK	31
SGB3	89
SGRI	187
SKSP	53
Total IPP	934
Total Gas	1,248

Total Gas Required	1,248
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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	13123	12661	12118	11911	11557	11414	11508	11726	12308	14058	15153	15715	15824	15579	16098	16283	16268	15947	14762	14718	15432	15191	14688	14219

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		164	162	186	168	164	167	188	168	165	189	185	167	167	166	168	169	195	171	213	181	563	666	798	824	661	254	251	264	456	678	638	773	822	799	600	241	309	204	191	612	461	367	264	211	202	193	187	192				
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	
PCUF	CUFG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	19	18	18	18	18	18	18	19	17	17	18	18	19	18	18	19	19	19	18	19	18	19	18	19	18	19	17	17	19	19	17	17	17	17	17	18	16	18	17	20	18	20	18	20	17	18	19	18	18			
Total Co-Gen		19	18	18	18	18	18	18	19	17	17	18	18	19	18	18	19	19	19	18	19	18	19	18	19	17	17	19	40	48	51	48	48	48	48	48	50	46	51	17	20	18	20	18	20	17	18	19	18	18			
Total Gen		13174	12883	12711	12324	12169	12013	11961	11704	11608	11605	11464	11535	11558	11728	11776	11853	12360	13492	14108	14760	15178	15530	15740	16055	15816	15651	15584	15818	16131	16341	16280	16256	16280	16239	16026	15464	14849	14336	14725	15477	15429	15382	15193	15017	14790	14466	14318	13928				
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		
TIE-HVDC		30	29	29	30	30	29	29	30	30	29	31	29	30	29	31	31	30	30	29	30	30	29	30	30	29	31	31	30	30	29	31	31	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	30			
TIE-PLTC		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	-29	-4	-56	-6	50	-37	8	-24	-78	2	-16	-32	-18	-17	48	129	57	46	-23	-53	-33	-38	-29	4	71	5	69	68							
Interconnection		51	50	50	51	51	50	50	51	51	50	52	50	51	50	51	50	2	25	-25	25	80	-8	38	5	-48	33	15	-3	12	12	14	79	159	87	76	7	-23	-3	-8	2	35	102	36	99	98							
System Total		13123	12843	12661	12273	12118	11963	11911	11653	11557	11554	11414	11483	11508	11677	11726	11802	12308	13441	14058	14758	15153	15555	15715	15975	15824	15613	15579	15866	16096	16326	16283	16244	16268	16225	15947	15305	14762	14460	14718	15500	15432	15300	15191	14982	14688	14430	14219	13830				
SRev ST-Coal		86	145	141	189	265	256	344	348	349	411	421	366	345	336	440	444	437	441	219	91	94	80	115	129	121	115	119	88	123	123	108	204	174	95	87	100	89	95	158	166	154	168	172	169	180	191	146	108				
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	-20	-29	-32	-26	-27	-29	-27	-35	-31	-28	-27	-26	-24	-24	0	193	189	-3	-4	-4	-4	198	89	0	0	0
SRev CCGT-Gas		1020	1171	1441	1762	1837	2005	1990	2224	2314	2279	2407	2373	2472	2309	2274	2195	1721	797	592	316	276	185	561	331	461	224	388	217	235	246	276	282	212	207	231	417	620	425	290	141	148	130	214	135	221	354	460	710				
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		1	2	2	2	2	2	1	3	3	2	2	1	2	2	1	1	2	1	2	1	3	3	1	3	1	15	7	4	7	7	7	7	5	9	4	3	0	2	0	2	0	3	2	1	2	2						
Syncon		1080	1080	929	1080	1080	1080	1080	1080	1080	929	929	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	929	1080	1080	929	803	803	803	1080	929	929	1080	929	929	929	929	929	929	929	1080	1080	1080					
Hydro		127	129	256	130	134	130	149	131	134	261	265	132	132	133	131	130	104	128	86	118	276	223	192	317	228	234	237	224	133	60	100	116	193	216	415	58	141	246	108	88	239	333	286	239	248	106	112	107				
S.Reserve Total		2321	2534	2776	3163	3318	3473	3565	3784	3880	3883	4024	3953	4030	3860	3927	3850	3343	2447	1979	1606	1577	1398	1670	1425	1714	1629	1796	1597	1442	1482	1543	1511	1363	1304	1517	1640	1783	1891	1825	1323	1466	1558	1587	1673	1660	1732	1800	2007				