

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,549 MW
Hydro	2,327 MW
Distillate	0 MW
Total TNB	5,876 MW
Total IPP	14,762 MW
Total Co-Gen	58 MW
Total System	21,260 MW

Generation Mix

Type	MWh	Percentage
Gas	42,290	11.92 %
Hydro	21,309	6.00 %
Total TNB	63,599	17.92 %
ST-Coal	188,815	53.20 %
Gas	101,340	28.55 %
Total IPP	290,155	81.75 %
Co-Gen	1,209	0.34 %
Total Co-Gen	1,209	0.34 %
Total Generation	354,963	100.01 %
PLTG	-632	-0.18 %
HVDC	667	0.19 %
Interconnection	35	0.01 %
Net Energy	354,928	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	17,800 MW
TNB Generation	3,541 MW
IPP Generation	13,059 MW
Spinning Reserve	1,151 MW
Maximum Demand	16,667 MW
Net Energy	354,928 MWH
Load Factor	88.73 %

Fuel Cost

Total Cost:	54,563,361.25 RM
Cost per Unit	16.35 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	427
Hydro	315
Syncon	700
Thermal	190
Total	1,632

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	14720	13988	13472	13188	13012	12876	12856	12583	12967	14902	15622	16323	16205	15853	16446	16465	16388	15715	15081	14878	15252	15476	15291	14884

Gas Usage

Station	(mmscfd)
CBPS	2
GLGR	50
PGPS	34
SRDG	4
TJGS	217
Total TNB	307
CBPS	56
KLPP	96
MPSS	43
NPRI	153
PGLA	103
PLPS	81
PTEK	3
SGRI	170
SKSP	50
Total IPP	754
Total Gas	1,061

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required	1,061
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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																										
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											
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									
UPIA	HY02	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								
Total Hydro		763	640	613	629	626	632	534	532	533	556	532	415	345	343	337	352	390	611	614	743	826	1220	1513	1440	1241	1214	1218	1205	1223	1444	1378	1387	1337	1308	1033	1072	741	855	968	999	857	939	1117	1132	1127	987	910	893		
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			
PCUF	CUFG	24	22	22	22	22	22	23	22	23	22	22	22	23	22	24	22	22	21	22	22	21	21	21	21	22	21	22	20	21	22	21	20	22	23	24	22	22	22	22	22	22	22	21	20	21	23				
PCUF	CUFK	29	29	29	28	28	28	30	28	29	29	29	27	30	28	30	28	29	27	30	29	28	27	30	29	27	28	29	27	29	28	28	29	28	28	29	29	28	29	28	28	29	28	28	29	28	29				
Total Co-Gen		53	51	51	50	50	50	53	50	52	51	51	49	52	51	52	52	51	49	51	51	51	49	48	50	50	49	49	49	50	48	50	52	53	51	50	51	50	51	51	50	50	51	49	47	49	52				
Total Gen		14748	14311	14030	13732	13503	13337	13209	13035	13009	13003	12935	12827	12808	12845	12614	12570	13021	14179	14845	15241	15583	16111	16370	16429	16192	15898	15864	16180	16413	16649	16453	16467	16385	16185	15708	15317	14954	14853	14913	15100	15223	15492	15500	15508	15329	15167	14895	14718		
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		
TIE-HVDC		31	30	30	30	30	31	31	31	31	29	29	30	30	30	30	30	31	31	31	31	30	30	31	31	30	29	29	31	31	30	31	31	31	31	-31	31	-29	31	31	30	30	30	30	30	31	31	31			
TIE-PLTG		-2	-23	12	-45	1	-36	-10	-2	-33	-17	29	-37	-79	-11	0	-35	24	21	-88	-39	-70	-15	18	-39	-43	-61	-20	-31	-62	-48	-42	-26	-33	-69	-38	-43	-97	-52	64	13	-59	-60	-6	-41	7	-12	-20	-9		
Interconnection		28	7	42	-15	31	-5	21	29	-3	12	59	-7	-48	20	31	-5	54	52	-57	-8	-39	15	47	-9	-13	-31	11	-2	-33	-18	-12	4	-3	-38	-7	-12	-127	-21	35	43	-29	-30	24	-11	38	18	11	21		
System Total		14720	14304	13988	13747	13472	13342	13188	13006	13012	12991	12876	12834	12856	12825	12583	12575	12967	14127	14902	15249	15622	16096	16323	16438	16205	15929	15853	16182	16446	16667	16465	16463	16388	16223	15715	15329	15081	14874	14878	15057	15252	15522	15476	15519	15291	15149	14884	14697		
SRev ST-Coal		163	168	176	219	297	272	410	410	409	423	411	411	385	345	335	238	242	233	139	321	272	247	271	220	196	197	183	140	149	161	170	179	154	95	242	242	151	103	125	152	152	161	161	164	163	156	159	146		
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	107	-1	0	33	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		600	757	890	1045	1155	1391	1357	1506	1581	1596	1653	1643	1619	1620	1852	1905	1458	824	403	318	349	238	247	169	230	494	548	278	279	251	399	385	438	469	525	957	994	1255	1342	1190	925	427	597	602	775	561	727	845		
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		5	7	7	8	8	8	5	8	6	7	7	9	6	7	6	6	7	9	7	7	7	9	10	7	8	10	8	8	9	9	9	8	8	10	8	6	5	7	8	7	7	8	8	7	9	11	9	6		
Syncon		915	1067	1067	916	1067	1067	1168	1168	1168	1168	1269	1269	1269	1269	1203	1001	1001	1001	1001	1001	453	151	151	302	489	489	489	489	404	591	591	591	591	893	893	893	893	893	893	1019	1019	1019	1019	1019	868	868	868			
Hydro		118	154	96	231	107	101	98	100	99	115	139	131	201	203	209	194	222	203	200	321	323	501	510	518	566	406	402	415	397	326	330	321	371	375	199	160	391	277	338	307	323	241	63	48	53	194	271	138		
S.Reserve Total		1801	2153	2236	2419	2634	2839	3038	3192	3263	3309	3378	3463	3480	3444	3671	3612	3132	2270	1750	1968	1952	1448	1189	1065	1302	1596	1630	1437	1322	1151	1532	1518	1596	1540	1867	2258	2434	2535	2706	2549	2426	1856	1848	1840	2019	1790	2034	2003		