

Daily System Generation Summary on Thursday

Thursday, March 03, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	3,020 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	5,683 MW
Hydro	1,961 MW
Distillate	0 MW
Total TNB	10,664 MW
Total IPP	10,277 MW
Total Co-Gen	23 MW
Total System	21,246 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,098	19.15 %
Gas	80,344	22.94 %
Hydro	11,439	3.27 %
Total TNB	158,881	45.36 %
ST-Coal	126,867	36.22 %
Gas	63,178	18.04 %
Total IPP	190,045	54.25 %
Co-Gen	533	0.15 %
Total Co-Gen	533	0.15 %
Total Generation	349,459	99.76 %
PLTG	-139	-0.04 %
HVDC	-703	-0.20 %
Interconnection	-842	-0.24 %
Net Energy	350,301	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	17,748 MW
TNB Generation	7,721 MW
IPP Generation	8,813 MW
Spinning Reserve	1,189 MW
Maximum Demand	16,594 MW
Net Energy	350,301 MWH
Load Factor	87.96 %

Fuel Cost

Total Cost:	45,041,055.20 RM
Cost per Unit	13.32 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	277
Hydro	363
Syncon	489
Thermal	240
Total	1,369

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	51
GLGR	53
NPRI	152
PAKA	46
PGPS	41
SRDG	4
TJGS	215
Total TNB	563
KLPP	97
MPSS	46
PGLA	95
PKLG	3
PLPS	92
PTEK	6
SGRI	161
Total IPP	500
Total Gas	1,062
Total Gas Required	1,062

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	14341	13762	13227	12881	12414	12165	12188	12235	12449	14266	15237	15794	15751	15551	16269	16544	16571	16200	14978	14591	15830	15782	15491	15230

Daily MW Generation on Thursday

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																										
PCUF	CUFG	3	2	2	3	2	3	3	3	3	2	4	3	4	3	3	2	3	3	3	3	2	2	2	2	3	6	5	6	6	5	6	6	5	5	6	6	6	6	7	6	6	5	5	5	5	6	7	7		
PCUF	CUFK	18	18	19	18	19	18	18	18	18	19	18	17	17	18	18	18	19	18	18	18	17	17	17	17	19	18	18	17	18	19	18	18	17	18	19	18	20	21	17	18	17	19	18	17	19	18	17	19	18	
Total Co-Gen		21	20	21	21	21	21	21	21	21	22	20	21	21	21	21	21	21	21	21	21	19	19	19	20	25	23	24	23	25	24	23	22	24	25	24	26	28	23	24	22	24	23	23	26	25					
Total Gen		14280	13931	13684	13350	13171	13049	12846	12447	12391	12229	12179	12138	12193	12452	12279	12161	12423	13506	14250	14740	15227	15542	15765	15894	15768	15575	15546	15735	16209	16552	16504	16559	16530	16512	16230	15555	14976	14608	14507	15141	15789	15824	15806	15708	15449	15344	15208	14946		
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	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-36	-28	-28	-30	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-31	-54	-49	-30	-27	-41	-5	19	44	-80	34	2	73	-24	3	-12	13	25	19	16	0	-28	46	-13	24	-40	-31	3	-11	-6	-5	20	58	-51	28	-23	-54	-37	-12	-28	52	10	-13	-28	8	-33				
Interconnection		-61	-83	-78	-59	-56	-71	-35	-41	-23	-10	14	-109	5	-27	44	-53	-26	-41	-16	-4	-10	-13	-29	-57	17	-43	-5	-70	-60	-26	-40	-35	-41	-9	30	-80	-2	-53	-84	-67	-41	-57	24	-18	-42	-57	-22	-62		
System Total		14341	14014	13762	13409	13227	13120	12881	12488	12414	12239	12165	12247	12188	12479	12235	12214	12449	13547	14266	14744	15237	15555	15794	15951	15751	15618	15551	15805	16269	16578	16544	16594	16571	16521	16200	15635	14978	14661	14591	15208	15830	15881	15782	15726	15491	15401	15230	15008		
SRev ST-Coal		19	103	49	59	-1	-11	-11	85	75	83	66	66	63	153	110	192	103	247	207	206	164	134	138	68	63	246	207	312	328	303	114	238	356	311	428	496	378	295	303	294	309	304	300	315	288	300	312	343		
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	2	24	22	22	35	71	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		381	466	454	477	716	944	1197	1682	1750	1901	1959	2066	1991	1496	1682	2126	1941	1112	646	515	132	85	112	104	251	132	301	141	244	175	189	262	278	326	371	399	721	1027	1125	644	264	234	259	206	448	361	326	483		
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	0
SRev Co-Gen		2	3	2	2	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2	2	2	2	4	4	4	3	-2	0	-1	0	0	-2	-1	0	1	-1	-2	-1	-3	-5	0	-1	1	-1	0	0	-3	-2		
Syncon		680	867	867	953	953	953	953	953	953	953	953	802	652	953	1054	953	953	953	802	781	781	781	781	781	781	781	781	479	378	277	277	277	277	277	363	550	651	651	464	277	277	126	277	277	277	277	277			
Hydro		217	153	138	125	125	79	129	130	128	131	140	75	247	199	79	88	36	-9	97	85	338	194	257	201	265	263	315	343	299	353	332	392	386	387	420	577	531	520	523	566	548	547	697	531	491	485	500	513		
S.Reserve Total		1299	1592	1510	1616	1795	1967	2270	2852	2908	3070	3120	3161	3106	2502	2826	3462	3035	2305	1905	1761	1438	1196	1292	1158	1364	1425	1602	1577	1349	1211	936	1189	1318	1336	1568	1932	2178	2492	2599	1963	1398	1361	1383	1328	1589	1508	1497	1699		