

Daily System Generation Summary on Sunday

Sunday, December 06, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	2,250 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,108 MW
Hydro	2,017 MW
Distillate	0 MW
Total TNB	8,375 MW
Total IPP	10,439 MW
Total Co-Gen	2 MW
Total System	18,816 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,106	16.50 %
Gas	65,955	22.62 %
Hydro	7,811	2.68 %
Total TNB	121,872	41.79 %
ST-Coal	117,459	40.28 %
ST-Gas	7,021	2.41 %
Gas	45,005	15.43 %
Total IPP	169,485	58.12 %
Co-Gen	551	0.19 %
Total Co-Gen	551	0.19 %
Total Generation	291,908	100.10 %
PLTG	-441	-0.15 %
HVDC	724	0.25 %
Interconnection	283	0.10 %
Net Energy	291,625	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:	20:00:00 Hour
Total Set On Bus	14,888 MW
TNB Generation	5,745 MW
IPP Generation	7,571 MW
Spinning Reserve	1,548 MW
Maximum Demand	13,352 MW
Net Energy	291,625 MWH
Load Factor	91.01 %

Fuel Cost

Total Cost:	36,715,685.40 RM
Cost per Unit	12.92 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	559
Hydro	218
Syncon	714
Thermal	128
Total	1,619

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	26

Gas Usage

Station	(mmsefd)
CBPS	17
GLGR	47
NPRI	80
PAKA	137
PGPS	0
TJGS	204
Total TNB	486
KLPP	74
MPSS	29
PGLA	54
PLPS	62
SGB3	34
SGRI	110
PCLG	72
Total IPP	436
Total Gas	922

Alternate Fuel Usage

Station	(mmsefd)
Total	0

Total Gas Required 922

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	12901	12465	12027	11622	11407	11189	11134	10901	10577	11205	11789	12238	12407	12480	12546	12715	12593	12368	12143	12578	13352	13272	13086	12766

Daily MW Generation on Sunday

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	10	9	9	10	10	10	8	11	10	9	10	11	10	11	11	10	9	10	9	10	10	11	10	9	10	10	11	10	11	11	11	11	11	11	11	11	11	11	10	11	11							
PCUF	CUFK	15	14	12	12	11	13	11	12	12	13	12	12	13	13	12	13	13	12	12	13	14	14	12	13	12	12	13	14	13	13	13	14	14	15	14	15	12	13	13	15	13							
Total Co-Gen		23	23	21	22	21	23	19	23	22	22	23	22	22	24	22	24	23	23	21	23	22	23	21	23	22	23	21	22	23	23	23	23	23	25	23	24	24	25	25	24	25	24	23	24	23	26	24	
Total Gen		12870	12632	12404	12282	12027	11843	11612	11511	11425	11254	11176	11125	11157	11080	10902	10651	10599	10912	11237	11432	11757	12218	12276	12480	12562	12417	12561	12472	12539	12589	12721	12549	12540	12532	12326	12081	12165	12204	12550	13181	13340	13322	13254	13251	13074	13004	12745	12538
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	
TIE-HVDC		30	30	30	30	31	31	30	30	30	31	31	31	31	30	30	30	30	30	30	29	29	30	30	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-60	-116	-91	-49	-31	57	-40	52	-12	-1	-44	-14	-8	2	-29	30	-8	55	2	-63	-62	82	8	96	125	-28	50	-50	-38	12	-24	-19	-83	-67	-72	-13	-8	21	-58	-4	-42	-51	-48	-44	-43	-65	-52	-38
Interconnection		-31	-87	-61	-19	0	88	-10	82	18	29	-13	16	23	33	1	60	22	85	32	-33	-32	112	38	126	155	2	81	-19	-7	43	6	11	-53	-37	-42	17	22	51	-28	26	-12	-21	-18	-14	-12	-34	-21	-7
System Total		12991	12709	12465	12301	12027	11755	11622	11429	11407	11225	11189	11109	11134	11047	10901	10591	10577	10827	11205	11465	11789	12106	12238	12354	12407	12415	12480	12491	12546	12546	12715	12538	12593	12569	12368	12064	12143	12153	12578	13155	13352	13343	13272	13265	13086	13038	12766	12545
SRev ST-Coal		137	118	121	110	142	146	125	153	304	374	392	394	443	452	490	610	576	449	431	426	89	108	98	129	88	134	97	134	91	78	97	110	104	87	114	121	132	57	51	2	16	40	-45	17	2	-1	103	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		395	385	415	538	811	977	1227	1275	1374	1385	1398	1415	1407	1358	1392	1560	1503	1287	1140	1028	678	758	709	248	134	456	213	823	783	791	763	627	553	787	874	1049	1329	1404	1396	863	732	653	656	348	460	517	635	653
SRev ST-Gas		72	72	72	72	73	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
SRev Co-Gen		-21	-21	-19	-20	-19	-21	-17	-21	-20	-20	-21	-20	-22	-20	-22	-21	-21	-19	-21	-20	-21	-19	-20	-21	-21	-22	-21	-20	-21	-21	-21	-21	-21	-23	-21	-22	-22	-23	-23	-22	-23	-22	-21	-22	-21	-24	-22	
Syncon		687	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	
Hydro		266	118	115	126	148	163	152	157	143	152	147	164	288	263	138	166	149	157	151	93	130	147	274	144	293	267	290	278	284	277	274	222	276	226	286	156	208	180	166	337	312	93	77	65	69	96	98	100
S.Reserve Total		1536	1710	1542	1664	1993	2176	2397	2474	2560	2731	2809	2860	2828	2803	2870	3106	3150	2909	2629	2443	2123	1884	1829	1370	1284	1538	1364	1924	1928	1887	1842	1673	1666	1844	2123	2197	2384	2442	2344	1825	1548	1565	1577	1173	1423	1493	1607	1733