

Daily System Generation Summary on Sunday

Sunday, November 09, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,865 MW
Hydro	1,759 MW
Distillate	0 MW
Total TNB	7,694 MW
Total IPP	9,218 MW
Total Co-Gen	0 MW
Total System	17,476 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,954	17.62 %
Gas	45,005	16.19 %
Hydro	7,517	2.70 %
Total TNB	101,476	36.51 %
ST-Coal	87,052	31.32 %
Gas	87,735	31.57 %
Total IPP	174,787	62.89 %
Co-Gen	1,687	0.61 %
Total Co-Gen	1,687	0.61 %
Total Generation	277,950	100.02 %
PLTG	-685	-0.25 %
HVDC	732	0.26 %
Interconnection	47	0.02 %
Net Energy	277,903	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:	21:00:00 Hour
Total Set On Bus	14,225 MW
TNB Generation	4,898 MW
IPP Generation	8,491 MW
Spinning Reserve	766 MW
Maximum Demand	13,399 MW
Net Energy	277,903 MWH
Load Factor	86.41 %

Fuel Cost

Total Cost:	34,142,266.21 RM
Cost per Unit	12.63 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	266
Hydro	90
Syncon	448
Thermal	12
Total	816

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	25

Gas Usage

Station	(mmscfd)
CBPS	6
GLGR	55
PGPS	36
SRDG	5
TJGS	218
Total TNB	321
KLPP	92
PDPS	5
PGLA	113
PLPS	96
PTEK	6
SGB3	75
SGRI	164
SKSP	50
YPGS	53
YPKA	27
Total IPP	681
Total Gas	1,002
Total Gas Required	1,002

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	12117	11562	11110	10731	10470	10490	10376	10120	9899	10434	11105	11564	11750	11708	11921	11984	11949	11825	11622	12243	13270	13400	12936	12740

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	CUFK	33	33	32	33	35	34	36	36	34	34	32	32	34	34	33	32	32	33	33	32	30	29	27	27	25	24	25	23	22	24	24	25	27	26	27	27	27	27	25	26	26	26	26	31	31	32	31	32	31	30	33		
Total Co-Gen		76	76	75	77	76	77	79	79	77	78	76	76	79	78	77	74	75	75	76	74	70	68	66	63	63	59	61	61	59	61	62	64	64	64	65	65	64	65	64	67	66	70	70	73	71	70	73						
Total Gen		12071	11775	11546	11360	11042	10854	10701	10571	10450	10508	10510	10333	10411	10476	10127	9881	9885	10274	10473	10855	11134	11521	11574	11805	11709	11772	11679	11868	11959	12034	11956	11897	11949	12010	11807	11698	11584	11563	12230	13253	13289	13291	13459	13338	12938	12937	12768	12554					
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	0	0	
TIE-HVDC		30	30	30	30	32	32	29	29	32	31	32	32	32	29	32	30	32	29	30	31	31	30	30	31	31	29	29	30	30	31	31	30	30	31	31	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	
TIE-PLTG		-77	3	-45	-34	-99	-90	-59	-42	-51	-13	-11	-43	4	-21	-22	-48	-43	5	10	-26	-2	38	-20	-39	-72	-48	-59	-7	7	-29	-57	-60	-30	-51	-49	-27	-68	-16	-44	-57	-12	-47	29	59	-29	13	-2	12					
Interconnection		-46	33	-16	-4	-68	-58	-30	-13	-20	19	20	-11	35	11	7	-16	-14	37	39	4	29	68	10	-8	-41	-17	-29	24	38	2	-28	-30	0	-21	-18	4	-38	13	-13	-26	19	-17	59	89	2	43	28	42					
System Total		12117	11742	11562	11364	11110	10912	10731	10584	10470	10489	10490	10344	10376	10465	10120	9897	9899	10237	10434	10851	11105	11453	11564	11813	11750	11789	11708	11844	11921	12032	11984	11927	11949	12031	11825	11694	11622	11550	12243	13279	13270	13308	13400	13249	12936	12894	12740	12512					
SRev ST-Coal		24	34	24	53	32	6	13	38	31	12	16	26	21	9	2	20	25	26	34	41	26	30	28	29	11	33	30	23	27	37	22	25	32	33	24	36	67	92	-12	49	0	-2	-14	-30	-7	15	22	29					
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	0	0	0	0	
SRev CCGT-Gas		101	194	262	287	614	820	991	931	1062	1070	1067	1189	1121	1111	1434	1652	1642	1467	1323	925	851	454	399	209	296	397	485	450	357	351	395	463	389	348	539	576	619	667	203	247	184	266	73	72	319	188	362	254					
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	0	0	0
SRev Co-Gen		0	0	1	-1	0	-1	-3	-3	-1	-2	-2	0	0	-3	-2	-1	2	1	1	0	2	6	8	10	13	13	17	15	15	17	15	14	12	12	12	11	11	12	11	12	9	10	6	6	3	5	6	3	3	3	3	3	
Syncon		730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	730	
Hydro		128	143	118	112	123	132	260	124	118	72	65	108	103	214	246	108	106	150	115	103	95	97	100	56	231	89	93	88	86	98	99	111	105	235	105	110	107	102	111	183	236	105	108	100	111	164	176	185					
S.Reserve Total		983	1101	1135	1181	1499	1687	1840	1820	1940	1882	1881	2058	1980	1915	2264	2514	2510	2379	2203	1799	1704	1317	1114	883	979	1111	1204	1155	1064	1082	1110	1192	1117	1056	1289	1312	1383	1452	1044	861	875	973	766	853	1059	951	1145	1050					