

Daily System Generation Summary on Friday

Friday, February 13, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,767 MW
Hydro	1,859 MW
Distillate	0 MW
Total TNB	7,696 MW
Total IPP	10,383 MW
Total Co-Gen	0 MW
Total System	18,649 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	52,437	16.07 %
Gas	50,008	15.32 %
Hydro	20,494	6.28 %
Total TNB	122,939	37.67 %
ST-Coal	91,545	28.05 %
Gas	111,593	34.20 %
Total IPP	203,138	62.25 %
Co-Gen	1,258	0.39 %
Total Co-Gen	1,258	0.39 %
Total Generation	327,335	100.30 %
PLTG	267	0.08 %
HVDC	727	0.22 %
Interconnection	994	0.30 %
Net Energy	326,341	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:	16:00:00 Hour
Total Set On Bus	16,471 MW
TNB Generation	6,025 MW
IPP Generation	9,389 MW
Spinning Reserve	1,006 MW
Maximum Demand	15,452 MW
Net Energy	326,341 MWH
Load Factor	88.00 %

Fuel Cost

Total Cost:	47,972,720.75 RM
Cost per Unit	15.63 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	505
Hydro	384
Syncon	121
Thermal	35
Total	1,045

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	13
GLGR	55
PGPS	50
SRDG	47
TJGS	215
Total TNB	381
KLPP	106
MPSS	59
PDPS	18
PGLA	104
PLPS	101
PTEK	7
SGB3	87
SGRI	176
SKSP	44
YPGS	70
YPKA	103
Total IPP	876
Total Gas	1,256

Total Gas Required 1,256

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	13311	12650	12079	11903	11463	11283	11602	11701	11947	13647	14339	14988	15039	14186	14743	15260	15452	15212	14204	13888	14834	14762	14220	13816

Daily MW Generation on Friday

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	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-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
TMGR	HY02	30	29	34	31	32	31	32	30	32	30	34	29	33	32	31	29	28	34	34	33	35	35	38	37	33
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	-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
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		561	544	331	325	358	325	333	333	356	340	345	326	338	336	793	385	364	463	728	819	841	977	1072	1345	
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	
PCUF	CUFG	14	13	14	14	13	12	14	13	13	14	14	14	15	14	14	13	13	12	11	13	13	12	11	13	
PCUF	CUFK	40	39	40	42	40	40	40	41	39	42	40	40	40	42	40	41	40	40	40	39	41	39	39	39	
Total Co-Gen		54	52	54	56	53	52	54	53	54	53	56	54	55	54	57	55	55	53	53	52	50	54	52	52	
Total Gen		13399	12999	12706	12396	12099	11962	11953	11675	11459	11503	11310	11354	11657	11777	11753	11595	11993	12874	13719	13952	14392	14710	14968		
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	
TIE-HVDC		30	30	30	30	30	31	31	30	30	31	29	30	30	30	30	30	30	30	30	30	30	31	31	31	
TIE-PLTG		58	66	25	-27	-10	45	20	-8	-34	30	-2	80	25	13	21	-21	16	-10	-42	24	23	-38	-50		
Interconnection		88	97	56	3	20	76	50	23	-4	60	27	111	55	44	52	9	46	20	72	54	53	-8	-20		
System Total		13311	12902	12650	12393	12079	11886	11903	11652	11463	11443	11283	11243	11602	11733	11701	11586	11947	12854	13647	13898	14339	14718	14988		
SRev ST-Coal		-9	27	3	21	23	19	89	39	81	28	27	54	105	35	27	24	47	19	70	19	35	35	24		
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	203	219	192	234	232		
SRev CCGT-Gas		405	580	431	773	967	1131	1080	1407	1605	1597	1799	1707	1366	1313	1185	1426	1338	907	384	564	319	168	102		
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		
SRev Co-Gen		22	24	22	20	23	24	22	23	22	23	20	22	21	22	19	21	21	23	23	24	26	22	24		
Syncron		624	624	725	725	574	725	725	574	725	725	725	725	101	637	637	624	473	234	234	151	151	0	0		
Hydro		207	74	186	192	310	192	184	184	312	177	172	191	179	181	348	220	241	155	278	488	466	475	530		
S.Reserve Total		1249	1329	1367	1731	1897	2091	2100	2378	2594	2550	2743	2699	2396	2276	1680	2328	2284	1728	1228	1532	1299	1043	1065		