

Daily System Generation Summary on Friday

Friday, December 19, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	1,380 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,211 MW
Hydro	1,857 MW
Distillate	0 MW
Total TNB	6,448 MW
Total IPP	10,534 MW
Total Co-Gen	0 MW
Total System	17,267 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	39,641	12.49 %
Gas	50,852	16.02 %
Hydro	18,576	5.85 %
Total TNB	109,069	34.36 %
ST-Coal	111,994	35.28 %
Gas	94,292	29.70 %
Total IPP	206,286	64.98 %
Co-Gen	1,186	0.37 %
Total Co-Gen	1,186	0.37 %
Total Generation	316,541	99.72 %
PLTG	-207	-0.07 %
HVDC	-697	-0.22 %
Interconnection	-904	-0.28 %
Net Energy	317,445	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:	11:30:00 Hour
Total Set On Bus	16,050 MW
TNB Generation	5,824 MW
IPP Generation	9,123 MW
Spinning Reserve	1,055 MW
Maximum Demand	15,010 MW
Net Energy	317,445 MWH
Load Factor	88.12 %

Fuel Cost

Total Cost:	43,277,247.48 RM
Cost per Unit	14.51 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	411
Hydro	340
Syncon	240
Thermal	62
Total	1,053

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	4
CBPS	56
GLGR	58
PAKA	115
PGPS	44
SRDG	13
TJGS	108
Total TNB	397
KLPP	101
MPSS	61
PDPS	13
PGLA	107
PTEK	10
SGB3	71
SGRI	192
SKSP	53
YPGS	71
YPKA	62
Total IPP	741
Total Gas	1,138
Total Gas Required	1,138

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	12798	12078	11733	11355	11172	11046	11163	11305	11735	13381	14234	14861	14715	14284	14228	14688	14805	14625	13826	13871	14378	14012	13586	13221

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
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PGAU	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
PGAU	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
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	28	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	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
SIHY	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
SIHY	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
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
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
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
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
TMGR	HY01	26	-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	27	35	34	31	39	33	31	33	41	34	34	30	34	33	35	34	30	27	76	82	80	59	55
TMGR	HY03	27	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	30	-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
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
Total Hydro		765	403	295	290	286	305	284	279	284	324	287	310	277	213	213	267	270	262	435	665	1098	1261	1465	1426
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	CUFK	18	18	18	19	18	17	17	17	17	16	17	17	17	17	16	17	16	14	13	15	14	15	16	15
PCUF	CUFK	33	32	33	32	30	30	31	32	30	30	32	31	31	32	32	33	34	32	32	33	32	32	33	32
Total Co-Gen		51	50	51	51	48	47	48	49	47	46	49	47	48	49	47	45	48	46	47	49	47	49	47	49
Total Gen		12836	12357	12064	11835	11701	11575	11371	11272	11129	11142	11017	11133	11121	11200	11258	11333	11770	12720	13363	13710	14230	14560	14846	14995
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	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		68	42	16	54	-3	-52	45	3	-14	21	32	-13	-51	-19	21	65	-19	13	11	26	-40	13	13	
Interconnection		38	13	-14	25	-32	-81	16	-26	-43	-9	-29	2	-42	-80	-47	-7	35	-49	-18	-17	-4	-68	-15	
System Total		12798	12344	12078	11810	11723	11656	11355	11298	11172	11151	11046	11131	11163	11280	11305	11340	11735	12769	13381	13727	14234	14628	14861	15010
SRev ST-Coal		41	56	41	31	79	132	40	31	15	2	14	-94	-128	-131	-6	18	26	22	127	126	90	50	154	41
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
SRev CCGT-Gas		414	575	331	493	572	663	809	919	1090	1129	1208	1221	1235	1226	1293	1319	1404	686	431	326	301	172	214	454
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
SRev Co-Gen		25	26	25	25	28	29	28	27	29	30	27	29	28	27	27	26	25	28	27	27	29	31	28	30
Syncon		302	719	719	719	719	719	719	719	719	568	719	568	719	719	719	719	719	467	618	453	302	0	0	0
Hydro		383	101	109	114	118	99	120	125	120	231	117	245	127	114	114	110	107	115	194	90	127	287	388	427
S.Reserve Total		1165	1477	1143	1382	1516	1642	1716	1821	1973	1960	2085	1969	1981	1955	2147	2193	2282	1567	1247	1187	998	840	854	1055