

Daily System Generation Summary on Monday

Monday, October 12, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	2,420 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,871 MW
Hydro	1,818 MW
Distillate	0 MW
Total TNB	8,109 MW
Total IPP	8,894 MW
Total Co-Gen	0 MW
Total System	17,003 MW

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:	14:30:00 Hour
Total Set On Bus	17,171 MW
TNB Generation	7,523 MW
IPP Generation	8,607 MW
Spinning Reserve	1,004 MW
Maximum Demand	16,179 MW
Net Energy	333,604 MWH
Load Factor	85.91 %

Gas Usage

Station	(mmscfd)
CBPS	40
CBPS	50
GLGR	55
NPRI	3
PAKA	188
PGGS	37
PGPS	6
SRDG	28
TJGS	220
Total TNB	626

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
ST-Coal	54,428	16.32 %
Gas	77,696	23.29 %
Hydro	18,240	5.47 %
Total TNB	150,364	45.07 %
ST-Coal	86,840	26.03 %
ST-Gas	9,485	2.84 %
Gas	85,452	25.61 %
Total IPP	181,777	54.49 %
Co-Gen	884	0.26 %
Total Co-Gen	884	0.26 %
Total Generation	333,025	99.83 %
PLTG	124	0.04 %
HVDC	-703	-0.21 %
Interconnection	-579	-0.17 %
Net Energy	333,604	100.00 %

Fuel Cost

Total Cost:	52,496,398.75 RM
Cost per Unit	16.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	505
Hydro	400
Syncon	328
Thermal	43
Total	1,276

Time	Weather	Temperature
Afternoon	Cloudy	35
Morning	Cloudy	25

KLPP	52
MPSS	58
PDPS	40
PGLA	118
PKLG	17
PLPS	104
PTEK	49
SGB3	78
SGRI	199
PKLG	94
Total IPP	808
Total Gas	1,435
Total Gas Required	1,435

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	12829	12176	11653	11317	11118	10886	11371	11269	12122	14203	15116	15817	15834	15387	15942	16162	16092	15599	14469	14820	15210	15034	14594	13983

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Daily MW Generation on Monday

Table with columns for Station, Unit, and hourly generation (0000-2300) for various power plants including PGPS, PLPS, SGB3, SGRI, TJGS, CBPS, PDPS, PGGG, PKLG, PTEK, and BSIA. Includes a Total CCGT-Gas row at the bottom.

Daily MW Generation on Monday

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
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	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
KNRG	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
KNRG	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
KNRG	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
KNYR	HY01	60	97	95	83	60	83	68	94	65	66	70	79	91	78	61	60	80	81	88	85	74	60	95	67
KNYR	HY02	100	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	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
KNYR	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
LPJA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
LPJA	HY02	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
MNOR	HY01	4	4	4	4	4	4	4	1	1	1	2	2	4	4	6	6	6	6	6	6	6	6	6	6
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	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	80	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
SIHY	HY01	49	50	50	50	50	50	50	0	0	0	33	50	50	29	30	51	50	50	50	50	50	50	50	50
SIHY	HY02	50	50	50	50	50	50	0	0	0	0	50	50	50	29	30	50	50	50	50	50	50	50	50	50
SYPS	HY01	16	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	16	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	16	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	16	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
TMGR	HY02	29	36	85	34	29	32	33	86	86	85	85	85	35	63	28	30	36	37	39	36	35	28	39	84
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
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
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		461	341	469	324	295	322	329	288	256	282	302	332	410	297	255	545	819	919	911	900	1164	1108	1412	1339
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	CURF	30	30	31	31	32	32	32	31	31	30	32	31	30	29	30	30	27	29	29	29	29	28	29	28
PCUF	CUEK	6	7	6	7	7	7	7	6	6	5	7	8	6	7	9	6	6	7	6	6	7	6	7	8
Total Co-Gen		36	37	37	38	39	39	39	37	37	35	39	39	38	38	41	38	39	37	36	37	35	36	37	36
Total Gen		12823	12327	12089	11867	11653	11460	11288	11197	11065	10988	10939	11169	11371	11440	11269	11464	12122	13368	14203	14711	15116	15570	15817	15947
TIE-BGAT		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	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		82	-35	-58	0	30	-13	0	-20	-24	-11	83	-10	-32	-2	4	-78	-32	-70	-18	-11	-18	11	-28	
Interconnection		54	-64	-87	-30	0	-43	-29	-49	-53	-41	53	-40	-62	-31	-24	-107	-61	-99	-47	-40	-48	-18	-57	
System Total		12829	12391	12176	11897	11653	11503	11317	11246	11118	11029	10886	11149	11371	11440	11269	11464	12122	13368	14203	14711	15116	15570	15817	
SRev ST-Coal		15	-16	9	81	132	207	116	112	88	97	89	87	72	82	79	38	32	22	10	19	36	32	0	
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		296	387	345	340	350	454	772	778	900	969	1054	901	752	720	796	821	1133	333	613	331	184	290	275	
SRev ST-Gas		0	33	38	37	37	37	37	37	37	37	37	37	37	38	47	37	32	34	35	39	20	5	3	
SRev Co-Gen		8	7	7	6	5	5	5	7	9	5	6	6	3	6	5	7	8	7	9	8	9	8	7	9
Syncon		726	827	676	827	827	827	575	726	726	726	575	726	827	525	323	323	323	323	237	237	237	237	237	237
Hydro		169	88	111	105	134	107	252	42	74	74	199	78	98	171	133	174	289	551	475	483	494	541	472	



Monday, October 12, 2015

Daily MW Generation on Monday

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																								
S.Reserve Total		1214	1251	1186	1396	1485	1637	1757	1700	1832	1910	1963	1834	1690	1591	1777	1901	2032	1352	1530	1474	1228	1368	1152	1106	1501	1834	1745	1806	1472	1004	1058	1066	1134	1181	1407	1546	1728	1899	1520	1142	1392	1334	1271	1216	1528	1734	1249	1160