

Daily System Generation Summary on Monday

Monday, November 23, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,418 MW
Hydro	1,850 MW
Distillate	0 MW
Total TNB	7,658 MW
Total IPP	9,896 MW
Total Co-Gen	0 MW
Total System	18,124 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	51,992	16.14 %
Gas	62,028	19.25 %
Hydro	14,366	4.46 %
Total TNB	128,386	39.85 %
ST-Coal	114,038	35.40 %
Gas	78,268	24.29 %
Total IPP	192,306	59.69 %
Co-Gen	1,192	0.37 %
Total Co-Gen	1,192	0.37 %
Total Generation	321,884	99.91 %
PLTG	330	0.10 %
HVDC	-610	-0.19 %
Interconnection	-280	-0.09 %
Net Energy	322,164	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:	14:30:00 Hour
Total Set On Bus	16,741 MW
TNB Generation	6,544 MW
IPP Generation	9,019 MW
Spinning Reserve	1,134 MW
Maximum Demand	15,676 MW
Net Energy	322,164 MWH
Load Factor	85.63 %

Fuel Cost

Total Cost:	42,180,838.15 RM
Cost per Unit	13.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	433
Hydro	275
Syncon	544
Thermal	73
Total	1,325

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
CBPS	11
CBPS	63
GLGR	54
NPRI	34
PAKA	77
PGGS	7
SRDG	17
TJGS	199
Total TNB	462
KLPP	105
MPSS	56
PDPS	21
PGLA	53
PKLG	21
PLPS	71
PTEK	15
SGB3	66
SGRI	166
SKSP	54
Total IPP	628
Total Gas	1,090
Total Gas Required	1,090

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	12008	11493	11200	10825	10640	10552	10768	10963	11664	13411	14409	15100	15189	14932	15449	15609	15468	15160	14248	14466	14950	14726	14208	13700

Prepared By: Kannathason a/l Karuppiah

Checked By: -Select Name-

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

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
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	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	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
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	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	35	36	34	37	33	37	28	41	32	26	20	33	41	27	30	37	31	39	42	32	35	28	41	41
TMGR	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
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
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		353	399	367	346	261	272	271	280	258	248	233	261	282	310	318	332	322	356	599	363	492	588	1089	1062
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	20	19	19	20	22	21	27	27	28	29	29	31	30	32	32	39	39	39	44	45	45	45	45	45
PCUF	CUFK	26	24	24	24	25	26	24	24	25	23	26	26	26	25	24	25	25	26	26	24	26	24	25	25
Total Co-Gen		46	43	43	44	47	47	51	51	53	52	55	57	56	57	58	64	63	64	70	70	71	71	71	71
Total Gen		11991	11788	11540	11349	11204	11040	10813	10670	10611	10622	10574	10627	10738	11050	10982	11023	11721	12719	13404	14032	14347	14863	15095	15304
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	-29	-30	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-29	-29	-29	-30	-30	-29	-29	-29	-29
TIE-PLTG		-48	-34	17	11	33	-45	16	-64	1	4	51	-60	0	141	49	3	86	21	21	39	-33	49	24	
Interconnection		-17	-4	47	-18	4	-75	-12	-92	-29	-25	22	-89	-30	112	19	-27	57	-8	-7	10	-62	20	-5	
System Total		12008	11792	11492	11367	11200	11115	10825	10762	10640	10647	10552	10716	10768	10938	10863	11050	11664	12727	13411	14022	14409	14843	15100	15351
SRev ST-Coal		93	81	98	91	101	145	185	527	571	603	597	645	651	221	353	359	125	69	127	110	106	110	110	
SRev CCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	91	152	226	259	220	230	287	265	
SRev CCGT-Gas		885	1096	1316	1533	1606	1615	1872	1918	2045	2061	2095	2045	2081	2194	2196	2168	1803	896	530	536	433	27	252	
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		-46	-43	-43	-44	-47	-47	-51	-51	-53	-52	-55	-57	-56	-57	-58	-64	-63	-64	-70	-70	-70	-71	-71	
Syncon		838	687	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838	838
Hydro		88	193	74	134	144	133	285	125	147	157	172	144	123	246	238	224	234	351	258	494	376	520	244	
S.Reserve Total		1858	2014	2283	2552	2642	2684	2978	3357	3548	3607	3647	3615	3637	3291	3416	3374	2786	1788	1447	1697	1522	1337	1319	