

Daily System Generation Summary on Tuesday

Tuesday, October 20, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	3,020 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,813 MW
Hydro	1,818 MW
Distillate	0 MW
Total TNB	8,651 MW
Total IPP	9,657 MW
Total Co-Gen	0 MW
Total System	18,308 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,036	19.66 %
Gas	73,392	21.52 %
Hydro	17,271	5.06 %
Total TNB	157,699	46.24 %
ST-Coal	82,160	24.09 %
ST-Gas	11,378	3.34 %
Gas	88,875	26.06 %
Total IPP	182,413	53.49 %
Co-Gen	171	0.05 %
Total Co-Gen	171	0.05 %
Total Generation	340,283	99.78 %
PLTG	-50	-0.01 %
HVDC	-697	-0.20 %
Interconnection	-747	-0.22 %
Net Energy	341,030	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:	15:30:00 Hour
Total Set On Bus	17,146 MW
TNB Generation	7,666 MW
IPP Generation	8,333 MW
Spinning Reserve	1,141 MW
Maximum Demand	16,019 MW
Net Energy	341,030 MWH
Load Factor	88.70 %

Fuel Cost

Total Cost:	50,688,824.15 RM
Cost per Unit	15.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	513
Hydro	391
Syncon	258
Thermal	118
Total	1,280

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	29
CBPS	59
GLGR	56
NPRI	8
PAKA	163
PGGS	24
SRDG	31
TJGS	220
Total TNB	590

KLPP	73
MPSS	63
PDPS	17
PGLA	114
PKLG	22
PLPS	114
PTEK	40
SGB3	38
SGRI	197
SKSP	52
PKLG	113
Total IPP	842
Total Gas	1,432

Total Gas Required 1,432

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	13983	13012	12617	12200	11874	11719	11760	11865	12466	14217	14933	15780	15715	15312	15888	16079	16132	15773	14742	15111	15667	15410	14756	14386

Prepared By: -Select Name-

Checked By: -Select Name-

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Tuesday

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
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	21	20	21	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	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
KNYR	HY03	96	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY04	96	96	72	61	99	70	63	66	65	63	64	65	60	67	68	67	68	99	48	97	63	96	96	96
LPIA	HY01	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
MNOR	HY01	6	6	6	6	6	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5
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	20	-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	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
SIHY	HY02	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
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	34	26	36	30	37	34	33	32	34	32	32	32	30	34	31	32	34	38	30	38	32	42	40	43
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
UPLA	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
UPLA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		545	385	315	297	342	311	200	223	202	198	199	200	214	204	201	202	205	262	673	875	947	1146	1273	1285
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	0	0	2	3	2	1	1	2	1	2	2	2	1	3	2	1	1	1	0	-1	-1	-1	-2	-1
PCUF	CUFG	7	7	6	7	7	6	6	6	6	7	8	7	7	7	7	6	7	7	7	7	8	7	7	7
Total Co-Gen		7	7	8	10	9	7	7	8	7	9	10	9	9	8	10	8	8	8	7	5	1	1	5	6
Total Gen		13979	13397	12985	12690	12569	12388	12180	12040	11903	11783	11672	11621	11717	11922	11852	11824	12464	13440	14198	14754	14889	15367	15716	15904
TIB-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
TIB-HVDC		-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-31	-29	-28	-30	-30	-29	-31	-30	-28	-30	-28	-29
TIB-PLTG		24	127	1	-7	-18	-32	9	-33	58	9	-18	17	-14	-12	16	-28	27	-38	11	-33	-15	-38	-34	
Interconnection		-4	99	-27	-36	-48	-61	-20	-62	29	-19	-47	-12	-43	-41	-13	-58	-2	-67	-19	-62	-44	-68	-64	
System Total		13983	13298	13012	12726	12617	12449	12200	12102	11874	11802	11719	11633	11760	11963	11865	11882	12466	13507	14217	14816	14933	15435	15780	15930
SRev ST-Coal		135	172	133	133	139	143	155	83	51	146	89	62	-25	-51	177	169	175	143	194	144	149	152	135	
SRev OCGT-Gas		2	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		472	496	295	406	504	638	718	959	1101	1226	1394	1475	1478	1290	1374	1418	796	433	406	275	324	322	320	
SRev ST-Gas		4	4	36	79	75	74	74	75	75	75	75	75	65	19	3	1	11	9	9	9	9	9	9	9
SRev Co-Gen		-7	-7	-8	-10	-9	-7	-7	-8	-7	-9	-10	-9	-9	-9	-8	-10	-8	-8	-8	-8	-7	-5	-1	
Sycon		575	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726
Hydro		238	147	117	134	89	120	131	259	129	133	132	131	268	127	130	129	126	220	571	470	398	438	310	
S.Reserve Total		1419	1538	1299	1468	1524	1695	1797	1942	2075	2297	2405	2460	2362	2158	2474	2507	1890	1428	1606	1203	1188	1101	1219	1141