

Daily System Generation Summary on Monday

Monday, September 22, 2014

Availability at Daily Maximum Demand Hour

ST-Coal	2,070 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,215 MW
Hydro	1,849 MW
Distillate	0 MW
Total TNB	8,134 MW
Total IPP	9,763 MW
Total Co-Gen	0 MW
Total System	17,897 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	46,657	14.35 %
Gas	76,734	23.61 %
Hydro	11,199	3.45 %
Total TNB	134,590	41.41 %
ST-Coal	93,119	28.65 %
ST-Gas	5,697	1.75 %
Gas	91,187	28.06 %
Total IPP	190,003	58.46 %
Co-Gen	1,573	0.48 %
Total Co-Gen	1,573	0.48 %
Total Generation	326,166	100.35 %
PLTG	501	0.15 %
EGAT	-3	0.00 %
HVDC	639	0.20 %
Interconnection	1,137	0.35 %
Net Energy	325,029	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	17,043 MW
TNB Generation	6,841 MW
IPP Generation	9,164 MW
Spinning Reserve	974 MW
Maximum Demand	16,070 MW
Net Energy	325,029 MWH
Load Factor	84.27 %

Fuel Cost

Total Cost:	57,649,850.38 RM
Cost per Unit	18.30 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	221
Hydro	224
Syncon	426
Thermal	34
Total	905

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	37
CBPS	38
GLGR	56
PAKA	159
PGPS	43
SRDG	71
TJGS	215
Total TNB	619
KLPP	89
MPSS	51
PDPS	64
PKLG	19
PLPS	103
PTEK	51
SGRI	211
SKSP	59
YPGS	52
YPKA	64
PKLG	56
Total IPP	820
Total Gas	1,438
Total Gas Required	1,438

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	12047	11436	11034	10646	10513	10354	10671	10915	11671	13742	14629	15457	15474	15167	15681	15921	16070	15605	14355	14227	15122	15017	14537	13943

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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
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
LPIA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	15	15	15	16	16
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	9	8	8	8	8	8	8	8
MNOR	HY01	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	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
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	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	48	48	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	49	50	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	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	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
TMGR	HY02	28	26	35	34	27	33	26	30	26	38	32	38	40	39	34	30	25	31	30	30	42	30	30	32
TMGR	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
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	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total Hydro		391	378	391	182	160	173	159	161	154	203	171	231	216	338	332	212	156	387	669	539	677	852	956	964
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	41	40	40	41	40	41	41	41	42	42	40	43	42	43	42	41	41	40	40	40	37	37	38	37
PCUF	CUFK	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Total Co-Gen		66	65	65	66	65	66	66	67	67	65	68	67	68	67	66	66	65	65	65	62	62	63	62	63
Total Gen		11999	11767	11598	11255	11100	10898	10842	10678	10627	10508	10477	10550	10651	10953	10955	10841	11666	12857	13806	14248	14644	15237	15526	15679
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		-28	-28	-29	31	30	30	30	30	30	30	31	31	31	30	30	30	30	30	31	31	30	30	31	31
TIE-PLTG		-20	85	192	-12	36	71	166	100	84	17	93	-39	-50	23	10	-46	-36	27	34	-32	-15	46	39	
Interconnection		-48	57	162	19	66	101	196	130	114	47	123	-9	-20	53	40	-16	-5	58	64	-2	15	76	69	
System Total		12047	11710	11436	11236	11034	10797	10646	10548	10513	10461	10354	10559	10671	10900	10915	10857	11671	12799	13742	14250	14629	15161	15457	
SRev ST-Coal		127	197	226	217	208	312	325	254	238	147	149	117	109	134	175	256	139	24	24	23	35	27	35	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	121	151	81	52	112	151	31	145	280	326	
SRev CCGT-Gas		645	644	589	626	703	656	764	919	926	1042	1047	1064	971	758	794	1056	1045	393	370	416	209	177	118	
SRev ST-Gas		42	39	38	37	37	37	37	37	37	37	37	37	37	41	23	17	13	6	2	-1	-1	-1	-1	
SRev Co-Gen		10	11	11	10	11	10	10	9	9	11	8	9	8	9	10	10	11	11	11	14	14	13	14	
Syncon		719	719	719	719	719	719	719	568	719	568	719	568	719	720	619	317	619	619	317	316	316	467	618	
Hydro		162	175	162	146	168	155	164	162	169	271	152	243	107	136	142	111	166	236	356	234	126	303	350	
S.Reserve Total		1705	1785	1745	1755	1846	1889	2024	2106	2103	2079	2120	2042	1957	1646	1730	2194	2126	1432	1251	1402	1061	952	982	