

Daily System Generation Summary on Monday

Monday, August 01, 2016

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,589 MW
Hydro	2,070 MW
Distillate	0 MW
Total TNB	5,659 MW
Total IPP	14,773 MW
Total Co-Gen	50 MW
Total System	21,046 MW

Generation Mix

Type	MWh	Percentage
Gas	40,187	11.78 %
Hydro	11,743	3.44 %
Total TNB	51,930	15.23 %
ST-Coal	184,210	54.02 %
Gas	104,286	30.58 %
Total IPP	288,496	84.60 %
Co-Gen	989	0.29 %
Total Co-Gen	989	0.29 %
Total Generation	341,415	100.12 %
PLTG	-453	-0.13 %
HVDC	856	0.25 %
Interconnection	403	0.12 %
Net Energy	341,012	100.00 %

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,927 MW
TNB Generation	3,006 MW
IPP Generation	13,458 MW
Spinning Reserve	1,421 MW
Maximum Demand	16,480 MW
Net Energy	341,012 MWH
Load Factor	86.22 %

Fuel Cost

Total Cost:	43,403,585.15 RM
Cost per Unit	13.17 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	400
Hydro	349
Syncon	725
Thermal	168
Total	1,642

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	32
PGPS	34
SRDG	34
TJGS	200
Total TNB	300
CBPS	51
KLPP	95
MPSS	31
NPRI	145
PDPS	14
PGLA	105
PKLG	9
PLPS	90
PTEK	35
SGRI	188
SKSP	36
Total IPP	800
Total Gas	1,100
Total Gas Required	1,100

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	13192	12598	12158	11700	11457	11305	11533	11573	12113	14067	15099	15770	15871	15500	16128	16352	16480	16138	14871	14612	15696	15776	15365	14983

Prepared By: Ibrahim bin Said

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																									
UIPA	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	5	5	5	5	5	5	5	5	5	5	5	5	5												
Total Hydro		150	158	154	390	421	394	386	394	384	373	376	391	416	402	401	371	325	169	376	357	365	495	592	897	881	459	370	380	683	884	1038	1037	1011	1021	926	465	246	184	188	406	623	702	731	568	360	353	318	171	
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	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	CURG	28	29	29	29	28	29	28	29	28	29	28	29	29	27	26	26	26	25	25	27	25	25	25	25	25	24	26	27	25	27	26	27	29	27	29	27	29	27	29	29	26	27	27	27	27	27	27		
PCUF	CUPK	13	14	13	13	14	14	15	15	14	14	15	15	16	15	14	13	15	15	13	13	15	14	14	13	12	13	14	13	15	15	13	14	15	14	14	13	12	13	13	15	13	15	14	15	14	13	14	14	
Total Co-Gen		41	43	42	42	43	42	44	43	43	42	44	43	45	44	42	42	44	44	40	39	41	40	39	38	39	38	39	38	40	40	37	40	42	39	41	39	39	42	40	44	40	44	43	42	41	40	41	41	
Total Gen		13262	12921	12657	12351	12178	11913	11696	11626	11518	11462	11375	11467	11518	11699	11855	11574	12102	13200	14064	14631	15064	15479	15691	15905	15898	15578	15504	15736	16087	16380	16364	16470	16506	16506	16156	15432	14914	14637	14605	15431	15733	15845	15772	15656	15330	15287	14977	14683	
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	0	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		31	31	30	30	30	30	30	30	30	29	29	31	31	30	30	30	30	30	30	31	31	30	30	29	29	30	30	31	31	30	30	31	31	30	299	30	30	30	30	30	31	31	30	30	30	30	30		
TIE-PLTG		39	-10	28	-2	-10	-23	-34	-40	31	36	40	-6	-45	-1	52	81	-42	-88	-33	-23	-65	-23	-109	-52	-4	10	-25	-35	-71	-22	-18	-16	-5	-4	-12	-54	12	-29	-37	-107	8	-33	-34	9	-66	-30	-36	-12	
Interconnection		70	21	58	28	20	6	-4	-10	61	65	70	23	-15	30	82	111	-11	-57	-3	8	-35	7	-79	-23	27	40	4	-5	-41	7	12	14	26	27	18	-24	43	2	-7	192	37	-3	-4	39	-35	1	-6	19	
System Total		13192	12900	12588	12323	12158	11907	11700	11636	11457	11397	11365	11444	11533	11669	11573	11463	12113	13257	14067	14623	15099	15472	15770	15928	15871	15538	15500	15741	16128	16273	16352	16456	16480	16479	16138	15476	14871	14635	14612	15239	15696	15848	15776	15617	15365	15286	14983	14664	
S.Rev ST-Coal		174	170	170	267	322	309	310	317	313	336	476	501	506	456	452	399	275	292	292	255	187	197	122	176	139	186	84	128	161	151	154	158	148	162	151	146	150	152	145	121	143	144	152	155	150	124	142	154	
S.Rev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	27	4	10	5	3	7	86	93	37	34	272	298	255	169	165	142	6	2	77	20	1	1	58	0	
S.Rev CCGT-Gas		793	526	785	1230	1360	1630	1840	1910	2012	2033	2075	1972	1943	1797	1882	2054	1697	926	834	482	350	334	283	339	345	293	339	286	318	341	426	311	317	313	343	563	595	788	833	276	301	275	293	299	440	278	356	333	
S.Rev 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S.Rev Co-Gen		9	7	8	8	7	8	6	7	7	8	6	7	5	6	8	6	6	10	11	9	10	11	12	11	12	11	12	10	10	13	10	8	11	9	11	11	8	10	6	10	6	7	8	9	10	9	9		
Syncon		1083	1083	1083	881	730	881	881	881	881	881	881	881	881	831	1083	1083	1083	1083	957	660	673	589	648	799	799	673	673	487	487	487	487	487	336	714	799	932	932	932	721	721	714	865	991	998	847	1083			
Hydro		128	125	129	95	215	91	99	91	101	112	109	94	220	83	84	114	210	114	107	126	118	114	529	330	325	688	526	516	566	470	502	503	424	414	448	393	317	252	248	205	384	330	342	329	271	227	413	114	
S.Reserve Total		2187	1911	2175	2481	2654	2919	3136	3206	3314	3370	3547	3455	3404	3223	3307	3456	3019	2421	2326	1957	1747	1612	1628	1536	1436	1831	1769	1746	1731	1652	1668	1562	1421	1421	1559	2125	2212	2388	2418	1767	1665	1478	1585	1676	1862	1638	1825	1693	