

Daily System Generation Summary on Sunday

Sunday, November 29, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	2,290 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,899 MW
Hydro	1,884 MW
Distillate	0 MW
Total TNB	7,073 MW
Total IPP	9,306 MW
Total Co-Gen	0 MW
Total System	16,949 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	48,581	16.94 %
Gas	54,424	18.97 %
Hydro	9,485	3.31 %
Total TNB	112,490	39.22 %
ST-Coal	99,311	34.62 %
Gas	73,525	25.63 %
Total IPP	172,836	60.26 %
Co-Gen	935	0.33 %
Total Co-Gen	935	0.33 %
Total Generation	286,261	99.80 %
PLTG	117	0.04 %
HVDC	-685	-0.24 %
Interconnection	-568	-0.20 %
Net Energy	286,829	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:	19:30:00 Hour
Total Set On Bus	14,514 MW
TNB Generation	5,117 MW
IPP Generation	8,243 MW
Spinning Reserve	1,128 MW
Maximum Demand	13,426 MW
Net Energy	286,829 MWH
Load Factor	89.02 %

Fuel Cost

Total Cost:	36,067,220.65 RM
Cost per Unit	13.06 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	264
Hydro	149
Syncon	798
Thermal	93
Total	1,304

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Cloudy	26

Gas Usage

Station	(mmscfd)
CBPS	3
CBPS	56
GLGR	32
NPRI	35
PAKA	51
SRDG	6
TJGS	213
Total TNB	396

KLPP	96
MPSS	40
PDPS	4
PGLA	47
PKLG	4
PLPS	72
PTEK	4
SGB3	78
SGRI	170
SKSP	54
Total IPP	569
Total Gas	965

Total Gas Required	965
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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	12725	12132	11625	11385	10842	10966	10934	10590	10192	10954	11506	12080	12250	12104	12413	12478	12412	12149	11894	12711	13382	13309	12966	12770

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Checked By: Siti Nurhamizatul Aini

Printed on: Monday, November 30, 2015 8:03:12 AM

(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

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																										
UPLA	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																										
UPLA	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		500	372	317	252	246	435	437	277	299	275	281	282	279	282	284	234	214	388	254	296	296	303	397	402	396	398	399	446	508	503	502	446	443	292	317	297	301	400	489	682	675	497	482	481	477	479	509	638		
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	CUPG	20	21	21	20	22	20	21	19	17	16	16	15	15	15	15	15	14	14	14	13	13	12	14	13	11	11	12	12	11	12	13	12	11	12	12	13	12	12	12	12	12	12	12	12	11	13				
PCUF	CUPK	28	28	30	29	29	29	30	31	27	29	29	30	30	29	31	28	30	30	31	30	28	30	29	30	30	33	30	29	30	29	30	27	13	13	13	13	13	14	14	12	13	13	12	13	13	13	13			
Total Co-Gen		48	49	51	49	51	49	51	50	44	45	45	45	44	46	43	45	44	46	43	45	44	44	41	43	41	44	41	41	45	42	40	42	42	38	25	25	26	25	25	25	26	26	24	25	25	24	25	24	26	
Total Gen		12728	12283	12092	11798	11605	11475	11349	10959	10855	10765	10630	10926	10881	10854	10598	10339	10221	10561	10907	11153	11537	11860	11986	12216	12204	12229	12073	12346	12377	12467	12466	12439	12439	12258	12103	11869	11843	12049	12674	13386	13337	13294	13283	13316	12968	12799	12733	12533		
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		
TIE-HVDC		-30	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		32	25	-11	-19	9	17	-6	4	45	40	-7	0	-24	-26	38	-10	59	-101	-47	2	60	-21	-64	19	-16	75	-2	4	-7	76	17	28	56	-16	-18	-49	-22	13	-8	-11	-16	52	3	9	32	15	-8	15		
Interconnection		3	-4	-40	-48	-20	-13	-36	-25	13	11	-36	-29	-53	-56	8	-39	29	-129	-47	-27	31	-51	-94	-10	-46	46	-31	-24	-36	47	-12	0	27	-45	-47	-78	-51	-16	-37	-40	-45	23	-26	-21	2	-14	-37	-15		
System Total		12725	12287	12132	11846	11625	11488	11385	10984	10842	10754	10966	10955	10934	10910	10590	10378	10192	10690	10954	11180	11506	11911	12080	12226	12250	12183	12104	12370	12413	12410	12478	12439	12412	12303	12149	11947	11894	12065	12711	13426	13382	13271	13309	13237	12966	12813	12770	12538		
SRev ST-Coal		127	131	127	137	41	159	120	96	96	84	120	97	118	112	145	159	170	314	210	112	87	0	-15	60	15	105	105	109	99	125	130	114	115	101	103	106	103	99	75	70	97	113	103	101	126	109	85	75		
SRev CCGT-Gas		17	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	
SRev CCGT-Gas		130	103	129	165	221	181	318	579	697	770	643	663	809	997	1227	1419	1502	1255	869	777	551	526	567	93	444	143	545	310	106	216	221	326	302	348	526	741	598	427	635	164	180	167	158	131	202	195	183	471		
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	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
SRev Co-Gen		-48	-49	-51	-49	-51	-49	-51	-50	-44	-45	-45	-45	-44	-46	-43	-45	-44	-45	-44	-41	-43	-41	-44	-44	-41	-41	-45	-42	-40	-42	-42	-42	-38	-25	-25	-26	-25	-25	-26	-26	-24	-25	-25	-24	-25	-24	-26			
Syncon		827	676	827	827	827	676	827	676	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	
Hydro		118	297	201	116	122	84	82	91	220	93	87	86	89	87	85	135	155	283	115	112	112	105	111	106	112	261	109	62	150	155	156	112	115	116	242	111	107	234	130	238	245	273	137	138	142	140	261	132		
S.Reserve Total		1171	1158	1233	1196	1160	1051	1145	1543	1645	1729	1632	1628	1798	1979	2238	2497	2609	2333	1976	1784	1536	1415	1449	1042	1354	1144	1543	1263	1140	1283	1292	1337	1317	1354	1522	1760	1609	1411	1643	1128	1174	1205	1220	1258	1288	1246	1181	1328		