

Daily System Generation Summary on Saturday

Saturday, November 21, 2015

Availability at Daily Maximum Demand Hour

ST-Coal	2,390 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,840 MW
Hydro	1,971 MW
Distillate	0 MW
Total TNB	8,201 MW
Total IPP	9,453 MW
Total Co-Gen	4 MW
Total System	18,228 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	52,470	17.20 %
Gas	62,310	20.43 %
Hydro	11,888	3.90 %
Total TNB	126,668	41.53 %
ST-Coal	107,442	35.23 %
Gas	69,498	22.79 %
Total IPP	176,940	58.01 %
Co-Gen	1,701	0.56 %
Total Co-Gen	1,701	0.56 %
Total Generation	305,309	100.10 %
PLTG	-425	-0.14 %
HVDC	729	0.24 %
Interconnection	304	0.10 %
Net Energy	305,005	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	15,325 MW
TNB Generation	6,110 MW
IPP Generation	7,842 MW
Spinning Reserve	1,303 MW
Maximum Demand	13,976 MW
Net Energy	305,005 MWH
Load Factor	90.93 %

Fuel Cost

Total Cost:	38,549,730.80 RM
Cost per Unit	13.14 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	323
Hydro	293
Syncon	695
Thermal	99
Total	1,410

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
CBPS	15
CBPS	59
GLGR	55
NPRI	51
PAKA	48
PGGS	15
TJGS	217
Total TNB	459

KLPP	105
MPSS	51
PDPS	12
PGLA	55
PKLG	25
PLPS	74
PTEK	13
SGB3	1
SGRI	162
SKSP	56
Total IPP	554
Total Gas	1,013

Total Gas Required 1,013

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	12758	12298	11736	11579	11270	11173	11134	10969	11075	12262	13128	13792	13766	13482	13683	13696	13567	13236	12997	13562	13917	13635	13193	12893

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

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																										
JMAH	U001	702	704	706	701	700	705	702	707	702	699	701	700	703	702	705	707	700	699	699	699	699	698	699	695	709	700	701	707	702	701	697	699	697	707	699	700	698	703	705	702	702	705	703	703	702					
JMAH	U002	706	707	704	702	702	704	702	703	703	706	705	702	702	707	702	706	699	703	707	705	704	703	706	701	702	702	704	703	705	708	703	703	707	703	705	704	702	706	528	348	354	352	351	353	353	353	353			
JMJC	U001	672	677	677	673	676	682	677	671	683	684	689	677	674	690	677	672	696	696	693	678	689	678	676	673	678	681	679	681	680	679	684	680	679	679	678	682	676	679	679	680	677	680	679	682	681	677	682	678		
JMJC	U002	678	678	682	679	683	681	678	679	688	687	691	682	683	690	683	679	702	696	697	683	696	689	676	690	677	676	677	688	679	688	677	678	680	696	678	685	682	678	671	675	673	676	674	673	664	670	676	673		
JMJC	U004	792	790	790	789	789	791	789	789	792	790	791	790	791	791	791	793	790	792	844	858	858	860	861	858	859	861	861	859	862	859	858	860	859	858	858	857	860	862	860	862	860	859	857	842	815	791				
PKLG	U003	281	279	278	277	277	275	271	273	271	275	271	277	275	277	279	280	279	279	280	279	278	278	278	276	276	278	278	279	279	280	280	280	278	279	280	280	280	280	280	278	280	280	280	280	280	282	282			
PKLG	U004	274	276	276	269	271	271	273	273	273	272	276	276	276	278	278	280	280	278	280	282	278	280	280	278	278	278	278	280	280	279	279	279	279	279	279	277	277	277	279	277	277	277	279	280	281	279	279			
PKLG	U005	95	95	94	94	95	45	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				
PKLG	U006	467	467	470	467	467	467	467	467	467	467	466	470	467	467	464	474	470	467	467	467	470	470	467	470	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467			
TBIN	U001	698	696	710	696	695	696	692	696	697	688	693	697	696	694	695	699	699	697	696	696	701	691	694	698	697	701	699	697	696	699	699	698	698	699	694	699	696	698	699	699	701	698	697	699	700	699				
TBIN	U002	704	700	701	701	699	696	709	701	701	700	704	701	702	701	702	700	700	706	698	702	701	700	702	700	703	703	700	700	700	702	700	701	701	703	704	702	701	701	703	704	702	697	704	701	702	703				
TBIN	U003	701	700	700	696	702	704	700	700	699	701	701	699	700	699	700	703	704	701	702	700	700	700	703	703	700	705	698	703	703	701	701	698	702	703	702	701	703	706	706	701	701	703	702	701	699					
Total ST-Coal		6770	6769	6788	6744	6756	6717	6664	6657	6678	6665	6692	6665	6669	6689	6672	6680	6730	6712	6714	6685	6711	6682	6724	6755	6730	6751	6737	6762	6742	6760	6769	6734	6755	6763	6735	6755	6759	6737	6743	6562	6393	6420	6392	6392	6391	6375	6360	6326		
Total ST-Oil		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		
Total 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	
CBPS	GT1A	98	98	98	98	87	87	88	87	88	87	88	87	88	88	98	98	97	97	96	96	96	96	96	96	96	96	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98			
CBPS	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	8	71	94	94	93	93	92	92	91	91	91	91	91	91	93	93	96	96	94	94	94	94	94	94	94	94	94	94	94	94	94	94	96	96	96	96	
CBPS	ST1C	46	46	46	46	46	40	40	40	40	41	40	40	40	39	40	39	98	101	102	102	102	101	100	100	100	100	100	99	102	101	100	102	102	101	102	102	101	102	102	101	102	102	102	102	102	102	100	100	99	
CBPS	BLK2	40	42	41	41	44	43	42	41	43	44	43	45	43	43	42	43	42	73	99	0	3	43	72	73	71	71	72	77	102	128	160	184	229	253	220	92	42	42	42	44	43	42	42	42	42	41	42	40		
GLGR	GT01	106	106	107	106	84	67	66	68	67	67	68	68	66	65	68	106	105	105	104	104	104	103	102	103	103	101	101	100	102	102	102	104	104	105	107	108	108	107	107	108	108	108	108	107	108	107	108			
GLGR	GT02	112	112	112	112	87	67	69	69	69	68	69	70	68	68	68	69	69	111	110	111	110	110	109	108	107	108	108	107	107	107	105	105	108	109	109	113	113	112	112	112	112	112	112	112	112	112	112			
GLGR	ST1C	100	101	101	101	89	72	71	71	71	71	71	71	71	73	72	72	93	100	100	100	100	99	99	99	98	98	97	97	98	96	96	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98		
KLPP	GT11	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		
KLPP	GT12	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		
KLPP	GT13	144	144	144	144	144	130	130	94	94	75	75	75	75	75	75	75	116	116	141	141	144	144	147	147	147	147	147	147	146	146	146	146	146	146	147	147	145	145	145	145	144	144	144	144	144	144	144			
KLPP	GT14	146	146	146	146	0	0	0	0	0	0	0	0	0	0	0	60	141	139	151	151	151	151	151	151	151	151	152	152	152	152	152	152	152	152	152	152	152	152	152	151	151	151	151	151	151	154	154	154	154	
KLPP	GT15	149	149	149	149	149	138	117	103	76	78	78	78	80	78	78	77	77	118	146	145	145	147	147	146	146	147	147	146	146	146	146	146	148	148	146	146	151	151	151	151	148	148	149	151	150	150	149			
KLPP	ST17	197	194	187	184	126	122	113	112	90	90	90	88	88	89	90	93	92	128	198	197	197	196	225	230	230	228	228	227	227	228	228	227	227	227	228	228	230	230	230	230	226	226	226	225	226	217	207			
MPSS	GT01	107	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	58	84	106	105	104	104	104	103	104	103	103	103	103	103	103	104	104	104	104	105	105	106	107	107	107	107	106	106	106				
MPSS	GT02	105	105	106	106	106	102	93	91	92	93	93	92	92	93	90	91	94	91	91	92	106	106	104	104	104	104	109	104	104	103	103	103	104	104	104	104	105	105	107	107	107	107	107	107	107	107	82			
MPSS	ST01	112	112	49	49	50	49	41	39	41	41	41	41	40	41	41	42	40	41	40	40	52	112	112	112	112	112	112	112	111	111	111	111	111	111	112	112	112	111	111	111	111	113	113	113	113	112	105			
NPRI	BLK1	268	308	308	306	308	513	511	511	360	259	257	257	256	260	258	259	259	305	274	275	301	362	361	358	359	356	356	358	355	355	298	248	148	56	56	73	174	350	351											

