

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,589 MW
Hydro	2,115 MW
Distillate	0 MW
Total TNB	4,704 MW
Total IPP	14,542 MW
Total Co-Gen	66 MW
Total System	19,876 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
CBPS	3
GLGR	56
PAKA	0
PGPS	43
SRDG	11
TJGS	110
Total TNB	223

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	16,588 MW
TNB Generation	2,124 MW
IPP Generation	12,661 MW
Spinning Reserve	1,747 MW
Maximum Demand	14,843 MW
Net Energy	325,444 MWH
Load Factor	91.36 %

CBPS	54
KLPP	76
MPSS	50
NPRI	145
PDPS	5
PGLA	108
PKLG	9
PLPS	74
PTEK	12
SGRI	190
SKSP	50
Total IPP	774
Total Gas	997

Generation Mix

Type	MWh	Percentage
Gas	29,351	9.02 %
Hydro	9,724	2.99 %
Total TNB	39,075	12.01 %
ST-Coal	183,820	56.48 %
Gas	102,036	31.35 %
Total IPP	285,856	87.84 %
Co-Gen	1,419	0.44 %
Total Co-Gen	1,419	0.44 %
Total Generation	326,350	100.28 %
PLTG	186	0.06 %
HVDC	720	0.22 %
Interconnection	906	0.28 %
Net Energy	325,444	100.00 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	393
Hydro	253
Syncon	1,123
Thermal	138
Total	1,907

Total Gas Required 997

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

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	13870	13295	12840	12503	12200	12038	11977	11831	11536	12780	13710	14325	14263	13975	14317	14616	14682	14424	13999	13884	14843	14707	14459	14127

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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	692	694	694	691	693	694	692	693	694	690	692	692	692	692	691	689	689	692	689	689	688	689	688	689	693
JMAH	U002	693	694	694	695	693	690	694	694	694	695	695	694	693	694	694	692	695	694	695	693	693	694	694	693	692
JMJG	U001	677	674	674	675	675	674	676	676	675	672	677	675	678	673	677	677	674	677	675	675	677	677	674	677	674
JMJG	U002	677	676	674	677	673	676	678	674	675	677	682	673	678	677	676	672	673	677	678	677	675	673	676	679	673
JMJG	U003	670	678	662	651	677	673	674	671	672	668	666	668	669	669	672	675	673	666	672	676	562	438	447	447	444
JMJG	U004	952	952	953	951	952	924	896	868	836	791	785	783	781	782	785	783	785	783	782	804	832	853	852	853	852
PKLG	U003	283	280	282	282	275	281	280	282	282	280	282	284	283	282	285	283	285	283	282	280	280	280	281	281	281
PKLG	U004	280	280	280	280	280	280	280	279	280	280	280	280	280	280	280	280	280	280	279	280	280	281	280	278	280
PKLG	U005	468	469	470	469	473	473	471	476	473	469	469	466	466	469	482	466	462	468	468	469	466	469	469	468	466
PKLG	U006	471	471	468	468	470	471	470	468	467	467	468	472	470	468	473	468	468	472	472	472	468	472	466	472	470
TBIN	U001	690	689	692	690	689	690	691	690	688	690	689	689	689	690	688	689	689	689	689	689	690	689	688	689	690
TBIN	U002	690	690	691	689	691	692	691	693	691	690	691	692	692	690	692	691	690	692	692	690	692	691	691	691	691
TBIN	U003	692	692	691	689	693	691	691	692	692	692	692	693	691	691	692	691	690	692	692	691	691	691	691	691	691
Total ST-Coal		7935	7939	7925	7907	7936	7911	7885	7854	7821	7766	7761	7764	7763	7762	7769	7777	7782	7752	7774	7787	7702	7607	7604	7605	7599
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
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
CBPS	GT1A	87	87	87	87	87	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CBPS	ST1C	40	39	40	40	40	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CBPS	BLK2	345	349	352	352	352	352	344	351	351	353	351	353	352	354	347	303	211	368	368	361	369	362	366	365	
GLGR	GT01	103	103	102	104	103	67	67	69	67	69	69	68	68	68	68	68	68	68	68	68	102	104	104	103	
GLGR	GT02	104	104	104	104	104	67	68	69	68	69	69	69	68	68	68	68	68	68	68	68	102	104	103	103	
GLGR	ST1C	94	93	94	94	93	70	71	70	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	
KLPP	GT13	140	142	142	129	142	144	124	117	120	117	125	125	125	125	125	125	138	121	139	122	128	143	144	143	
KLPP	GT15	151	155	154	142	153	156	137	130	134	127	128	130	132	130	128	125	129	129	155	135	151	136	142	157	
KLPP	ST17	128	125	129	125	125	129	121	120	120	116	120	120	119	120	115	115	119	119	123	119	127	115	118	126	
MPSS	GT01	90	90	90	90	91	91	91	93	90	91	90	92	92	89	88	91	93	93	92	100	100	101	102	102	
MPSS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	86	106	105	106	106	107	106	106	106	
MPSS	ST01	42	43	42	42	43	42	42	43	43	43	43	43	40	41	43	46	46	111	112	112	113	113	113	113	
NPRI	BLK1	481	518	518	445	514	500	457	422	436	403	371	350	349	356	345	338	349	353	499	365	482	518	506	508	
NPRI	BLK2	480	511	513	448	506	502	457	422	437	400	372	353	350	355	348	335	351	354	499	365	484	521	518	509	
PAKA	GT1A	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGLA	GT11	163	193	180	159	180	157	158	159	158	162	160	159	159	160	160	157	160	159	168	222	224	218	222	222	
PGLA	GT12	163	193	179	161	180	157	159	159	159	160	160	160	160	160	158	161	160	168	220	219	218	218	218	217	
PGLA	ST10	198	215	204	199	206	206	200	199	202	199	202	200	200	200	200	200	202	247	249	241	248	248	250	250	
PGPS	GT3A	94	95	82	83	82	83	82	83	82	82	82	82	82	83	83	83	83	83	83	83	84	88	88	88	
PGPS	GT3B	94	94	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	83	83	88	87	
PGPS	ST3C	88	88	47	37	37	37	37	37	36	36	37	37	36	36	36	36	36	36	37	37	37	37	63	67	
PLFS	GT11	143	143	142	140	62	72	128	128	128	128	128	128	128	128	128	128	128	128	128	128	130	131	145	147	
PLFS	GT12	146	146	146	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLFS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLFS	ST18	144	143	144	140	0	35	59	58	57	58	58	58	58	58	58	59	58	57	57	57	57	57	58	57	
SGRI	GT11	113	115	116	112	113	113	116	87	68	68	68	68	68	68	68	68	68	68	68	68	68	68	116	117	
SGRI	GT12	116	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	142	142	143	143	
SGRI	GT13	111	111	111	111	111	111	112	65	67	65	68	65	67	67	66	66	68	114	117	114	115	137	136	136	
SGRI	ST14	201	167	133	136	140	137	133	110	105	105	101	105	103	102	104	104	104	141	142	196	209	222	221	223	
SGRI	GT21	112	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	134	124	125	134	138	
SGRI	GT22	111	112	111	111	113	110	111	111	71	71	71	71	71	71	71	71	71	71	114	116	117	115	128	128	

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																											
PCUF	CUFG	28	26	28	28	28	27	28	27	28	29	29	29	29	29	28	26	26	25	26	25	27	24	24	25	24	25	25	25	26	23	26	26	26	26	26	25	27	27	28	26	25	27									
PCUF	CUFK	35	36	36	36	36	37	37	35	36	36	37	37	38	38	38	37	36	35	33	32	31	29	29	28	29	29	27	27	26	30	27	27	27	27	31	29	30	28	30	32	32	34	33	32	34	32					
Total Co-Gen		63	62	64	64	64	65	62	64	65	66	64	67	67	68	65	67	65	62	61	58	58	57	56	55	53	56	53	51	52	50	55	52	52	53	50	57	55	56	54	56	57	59	61	59	58	59	59				
Total Gen		13940	13677	13356	13090	12918	12718	12547	12323	12267	12084	12047	11965	12015	12021	11890	11621	11552	12150	12799	13216	13716	14023	14335	14575	14331	14198	14046	14223	14358	14638	14686	14691	14698	14736	14457	14184	14005	13861	13883	14596	14841	14837	14728	14586	14495	14298	14156	14028			
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	30	30	30	29	29	30	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	29	31	30	31	30	30	30	31	31	30	30	31	31	30	30	29	29	29	29	31	31
TIE-PLTG		40	66	31	38	49	37	14	-2	36	-20	-21	-13	9	25	30	65	-14	15	-11	17	-24	-32	-19	41	38	63	41	15	11	-38	39	37	-12	25	3	19	-24	-8	-31	-67	-32	-2	-8	-8	7	-52	-2	3			
Interconnection		70	96	61	68	78	67	44	28	67	11	9	17	38	55	59	95	16	45	19	47	6	-2	10	72	68	93	71	45	41	-8	70	68	16	57	33	50	6	22	-1	-37	-2	29	21	21	36	-22	29	34			
System Total		13870	13581	13295	12932	12840	12651	12503	12295	12200	12083	12038	11948	11977	11966	11831	11526	11536	12105	12780	13169	13710	14025	14325	14503	14263	14105	13975	14178	14317	14646	14616	14623	14682	14679	14424	14134	13999	13839	13884	14633	14843	14808	14707	14565	14459	14320	14127	13984			
SRev ST-Coal		134	130	144	162	133	158	171	174	176	185	181	179	178	181	176	168	183	193	168	172	137	112	115	114	120	110	110	117	187	184	151	170	136	123	133	134	141	133	141	123	134	137	131	133	141	135	130	134			
SRev OCGT-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 CCGT-Gas		851	876	675	872	683	935	939	1130	1178	1275	1320	1405	1358	1351	1505	1751	1818	1214	924	841	506	329	312	236	236	218	370	203	179	183	223	227	249	238	326	342	619	830	862	369	341	369	487	536	405	355	371	432			
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		3	4	2	2	2	1	4	2	1	0	2	-1	-1	-2	1	-1	1	4	5	8	8	9	10	11	13	10	13	15	14	16	11	14	14	13	16	9	11	10	12	10	9	7	5	7	8	7	7				
Syncon		1097	1299	1299	1299	1299	1299	1299	1299	1148	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299	1299			
Hydro		161	76	128	129	126	129	125	124	252	123	121	119	118	118	254	131	120	114	116	71	71	202	290	343	346	296	297	281	365	312	502	343	332	327	309	784	453	365	385	306	265	246	250	64	73	52	89	52			
S.Reserve Total		2246	2385	2248	2464	2243	2523	2635	2731	2756	2883	2921	3004	2952	2948	3081	3350	3419	2821	2511	2388	2021	1849	1737	1724	1952	2010	2162	1985	1930	1813	1787	1782	1784	1737	1966	1763	2140	2427	2482	1869	1747	1751	1850	1852	1734	1710	1694	1722			