

## Daily System Generation Summary on Sunday

Sunday, May 29, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,258 MW
Hydro	1,633 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,891 MW</b>
<b>Total IPP</b>	<b>11,712 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>16,603 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	61,336	19.92 %
Hydro	11,305	3.67 %
<b>Total TNB</b>	<b>72,641</b>	<b>23.59 %</b>
ST-Coal	152,518	49.54 %
ST-Oil	10,169	3.30 %
Gas	71,252	23.14 %
<b>Total IPP</b>	<b>233,939</b>	<b>75.98 %</b>
Co-Gen	414	0.13 %
<b>Total Co-Gen</b>	<b>414</b>	<b>0.13 %</b>
<b>Total Generation</b>	<b>306,994</b>	<b>99.71 %</b>
PLTG	-200	-0.06 %
HVDC	-702	-0.23 %
<b>Interconnection</b>	<b>-902</b>	<b>-0.29 %</b>
<b>Net Energy</b>	<b>307,896</b>	<b>100.00 %</b>

### 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:	21:00:00 Hour
Total Set On Bus	15,747 MW
TNB Generation	3,769 MW
IPP Generation	10,439 MW
Spinning Reserve	1,520 MW
Maximum Demand	14,277 MW
Net Energy	307,896 MWH
Load Factor	89.86 %

### Fuel Cost

Total Cost:	42,157,373.95 RM
Cost per Unit	14.26 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	399
Hydro	240
Syncon	499
Thermal	127
<b>Total</b>	<b>1,265</b>

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	49
GLGR	59
PAKA	180
PGPS	44
SRDG	18
TJGS	136
<b>Total TNB</b>	<b>487</b>

CBPS	8
KLPP	80
MPSS	56
PDPS	9
PGLA	107
PKLG	7
PLPS	81
PTEK	11
SGB3	78
SGRI	73
SKSP	57
<b>Total IPP</b>	<b>567</b>

<b>Total Gas</b>	<b>1,053</b>
<b>Total Gas Required</b>	<b>1,154</b>

### Alternate Fuel Usage

Station	(mmscfd)
PKLG	101
<b>Total</b>	<b>101</b>

### 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	14034	13425	12946	12476	12003	11834	11705	11358	10955	11594	12263	12739	12719	12673	13047	13270	13423	13097	12756	12970	14181	14277	14044	13818



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		
PGPS	ST3C	73	73	72	71	88	36	36	37	37	36	36	36	36	37	36	36	36	36	36	36	36	36	36	36	36	
PLPS	GT11	115	120	114	112	109	149	149	148	145	149	148	143	144	144	122	110	66	66	69	115	118	147	147	147	115	
PLPS	GT12	120	123	119	116	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	112	116	112	107	105	148	148	147	142	148	148	143	143	141	124	108	63	64	67	106	116	147	146	148	112	
PLPS	ST18	197	198	198	195	192	147	147	147	144	145	144	142	144	140	130	100	90	90	119	133	146	146	146	132	132	
SGB3	GT31	106	106	106	106	106	106	106	106	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	
SGB3	GT32	112	112	112	112	112	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGB3	GT33	65	65	65	65	65	65	64	64	65	65	66	66	65	65	65	65	65	65	65	108	116	112	117	118	71	
SGB3	ST34	179	180	180	180	180	175	113	112	97	97	97	97	97	97	97	96	96	123	155	139	143	183	162	150	145	
SGR1	GT22	122	129	137	116	116	118	139	116	117	142	130	115	115	115	107	115	117	136	114	135	124	135	117	127	124	
SGR1	GT23	107	121	121	108	108	108	122	108	106	122	119	108	108	108	121	107	108	121	107	122	115	122	107	118	117	
SGR1	ST24	142	139	144	135	136	133	147	133	139	143	140	135	135	137	129	137	137	135	141	136	144	139	148	134	134	
SKSP	BLK1	323	324	321	326	322	324	323	322	322	320	324	324	322	323	303	217	219	219	213	319	321	321	321	321	328	323
TJGS	GT1B	178	178	178	178	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	ST1C	99	99	99	99	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TJGS	GT2A	222	222	220	222	222	220	220	220	220	223	223	225	225	225	186	186	186	221	221	221	221	221	221	221	221	221
TJGS	GT2B	220	220	216	220	220	220	218	218	221	221	221	221	221	221	218	218	216	216	219	217	217	217	217	217	217	217
TJGS	ST2C	263	263	263	263	263	263	263	263	263	263	263	263	263	263	237	237	263	263	263	263	263	263	263	263	263	263
Total CCGT-Gas		6005	6041	6037	6001	5907	5629	5435	5159	4986	4898	4778	4777	4659	4654	4529	4046	3912	4235	4368	4659	4998	5213	5388	5400	5431	
PDPS	GT03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PDPS	GT04	0	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	GT08	0	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	GT09	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT04	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRDG	GT05	0	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 OCGT-Gas		224	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
BSIA	HY02	22	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY03	24	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CEND	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
HTRG	HY02	124	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY01	35	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY02	36	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY03	36	36	37	38	38	23	23	22	24	23	21	22	21	20	21	23	23	24	22	23	24	23	23	23	23	
KNYR	HY01	75	100	90	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY02	99	72	96	54	53	57	63	58	57	63	61	57	58	55	46	57	58	60	61	52	62	63	62	101	59	
KNYR	HY04	99	100	100	55	54	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
LPJA	HY01	12	12	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
MNOR	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	0	
PGAU	HY02	22	-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	-1	
PGAU	HY04	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

### 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
SIHY	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
SIHY	HY02	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	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
TMGR	HY01	30	0	0	0	32	35	33	31	37	35	31	32	30	29	35	38	38	40	31	39	83	39	38	38
TMGR	HY02	76	37	35	30	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	28	30	33	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	81	29	33	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY02	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		873	727	532	273	268	272	281	274	270	284	301	269	272	266	255	273	279	305	433	436	458	550	505	628
Total Disillate		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	0	1	2	2	2	2	2	4	4	4	5	4	4	5	4	2	3	2	3	2	3	2	2	1
PCUF	CUFK	14	13	13	14	14	14	12	14	15	13	13	14	14	14	13	14	14	14	14	12	15	14	15	12
Total Co-Gen		14	14	15	16	16	16	14	16	19	17	17	19	18	18	18	20	19	18	18	19	17	16	17	14
Total Gen		14020	13631	13415	13106	12994	12647	12446	12177	11989	11916	11805	11789	11678	11666	11520	11070	10915	11255	11537	11848	12190	12501	12631	12768
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
TIE-HVDC		-29	-30	-30	-28	-28	-28	-30	-30	-30	-29	-29	-30	-30	-27	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		15	-47	20	19	-14	-31	0	-45	16	42	0	-1	3	23	192	16	-11	-6	-27	9	-44	20	-79	
Interconnection		-14	-77	-10	-9	-42	-59	-30	-74	-14	14	-29	-31	-27	-8	162	-11	-40	-35	-57	-20	-73	-9	-108	
System Total		14034	13798	13425	13115	12946	12706	12476	12251	12003	11902	11834	11820	11705	11674	11358	11081	10955	11290	11594	11868	12263	12510	12739	
SRev ST-Coal		120	125	109	124	121	102	117	106	120	117	125	110	105	105	115	99	111	116	114	96	116	116	113	
SRev ST-Oil		1	0	0	0	0	2	0	-2	-2	-1	-1	-1	-1	0	14	16	1	2	2	2	1	1	1	
SRev OCGT-Gas		-1	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		496	460	464	500	561	328	232	463	486	316	436	437	555	560	685	1168	1302	929	892	601	365	225		
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	
SRev Co-Gen		13	13	12	11	11	11	13	11	8	10	10	8	9	9	9	7	8	9	9	8	10	11	10	
Syncon		151	302	302	403	403	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	674	
Hydro		429	340	183	208	213	122	113	120	124	110	244	125	122	128	139	121	115	240	111	259	242	198		
S.Reserve Total		1214	1245	1075	1336	1399	1244	1154	1377	1415	1231	1342	1358	1469	1480	1626	2076	2228	1837	1806	1495	1256	1074		