



## Daily System Generation Summary on Thursday

Thursday, March 15, 2018

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,465 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,267 MW</b>
<b>Total IPP</b>	<b>15,609 MW</b>
<b>Total Co-Gen</b>	<b>52 MW</b>
<b>Total System</b>	<b>20,928 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	49,242	13.22 %
Hydro	28,146	7.56 %
<b>Total TNB</b>	<b>77,388</b>	<b>20.78 %</b>
ST-Coal	182,734	49.06 %
ST-Gas	2,723	0.73 %
Gas	108,128	29.03 %
<b>Total IPP</b>	<b>293,585</b>	<b>78.82 %</b>
Co-Gen	1,377	0.37 %
<b>Total Co-Gen</b>	<b>1,377</b>	<b>0.37 %</b>
<b>Total Generation</b>	<b>372,350</b>	<b>99.96 %</b>
PLTG	-143	-0.04 %
<b>Interconnection</b>	<b>-143</b>	<b>-0.04 %</b>
<b>Net Energy</b>	<b>372,493</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 3/15/2018	372,493 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	19,196 MW
TNB Generation	4,016 MW
IPP Generation	13,556 MW
Spinning Reserve	1,572 MW
Maximum Demand	17,623 MW
Net Energy	372,493 MWH
Load Factor	88.07 %

### Fuel Cost

Total Cost:	65,613,072.55 RM
Cost per Unit	19.06 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	640 ✓
Hydro	640 ✓
Syncon	236 ✓
Thermal	65 ✓
<b>Total</b>	<b>1,581 ✓</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
CBPS	43
GLGR	47
PAKA	21
PGPS	39
SRDG	6
TJGS	215
<b>Total TNB</b>	<b>371</b>
CBPS	56
KLPP	96
MPSS	46
NPRI	157
PGLA	107
PTEK	4
SGRI	129
SKSP	30
YPKA	88
PKLG	27
<b>Total IPP</b>	<b>740</b>
<b>Total Gas</b>	<b>1,111</b>
<b>Total Gas Required</b>	<b>1,111</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</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	15183	14383	13997	13554	13200	12941	13145	13145	13424	15235	16241	16841	16750	16621	17182	17581	17420	17218	16114	15807	16970	16815	16335	15933

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Daily MW Generation on Thursday

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
SGRI	GT22	111	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	106	104	107	106	109	106	106	110	109	106	109	106	107	107	106	107	111	107	114	101	105	105	136	125
SGRI	ST24	129	108	61	61	61	62	61	61	59	59	63	57	60	62	59	60	59	61	61	61	60	59	62	108
SKSP	BLK1	172	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1A	217	179	193	192	219	201	209	200	184	220	210	195	195	205	198	205	218	226	223	226	224	224	226	185
TJGS	GT1B	210	175	184	187	214	196	201	192	173	211	206	190	189	199	192	200	212	217	218	218	216	216	215	181
TJGS	ST1C	238	219	232	222	234	240	232	231	219	226	229	233	241	245	225	224	231	253	252	255	250	254	254	241
TJGS	GT2A	206	207	208	208	207	208	208	208	208	208	207	208	208	207	206	206	206	206	206	206	206	206	206	206
TJGS	GT2B	206	210	210	210	210	210	210	210	210	210	210	210	211	210	210	210	210	210	209	210	211	210	209	209
TJGS	ST2C	256	256	255	255	255	255	255	255	255	255	255	255	255	255	255	255	256	256	256	256	257	257	257	256
YPKA	GT11	130	130	129	96	66	66	133	135	126	66	67	66	66	104	65	65	64	65	133	133	133	130	132	130
YPKA	GT12	136	137	88	0	0	0	0	0	0	0	0	0	0	43	134	136	135	135	133	134	131	130	133	132
YPKA	ST10	129	128	59	52	37	38	62	62	61	37	37	37	37	48	37	36	35	96	130	130	131	131	131	131
YPKA	GT21	71	63	63	64	64	132	132	134	134	70	66	66	66	134	135	65	65	65	133	132	130	130	131	129
YPKA	ST20	43	37	37	37	37	62	63	63	63	41	38	39	39	63	63	39	38	38	63	63	63	63	63	63
Total CCGT-Gas		6072	5657	5474	5230	5319	5333	5413	5387	5285	5337	5166	5119	5351	5485	5324	5145	5409	5703	6189	6589	6892	7099	7286	7414
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
PTEK	GT2A	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	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
Total CCGT-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
BSIA	HY01	21	21	21	21	21	21	0	0	0	0	0	0	0	0	14	22	22	22	22	22	22	22	22	22
BSIA	HY02	23	23	23	23	23	23	14	14	14	14	14	14	14	14	13	13	23	23	23	23	23	23	23	23
BSIA	HY03	23	23	23	23	23	23	0	0	0	0	0	0	0	13	13	23	23	23	23	23	23	23	23	23
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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
CEND	HY04	8	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	HY01	110	58	63	63	110	110	110	110	109	109	110	110	60	62	62	62	123	123	125	124	124	124	124	100
HTRG	HY02	63	64	63	63	63	110	110	63	63	63	63	63	124	124	125	125	125	125	124	124	124	124	99	99
KNRG	HY01	36	36	36	36	36	36	0	0	0	0	0	0	0	0	25	25	25	24	24	24	24	24	24	24
KNRG	HY02	37	37	37	37	37	37	38	38	26	26	26	26	26	26	26	25	26	25	24	24	24	24	24	24
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22	22	22	22	21	21	21	21	21
KNYR	HY01	88	86	88	88	91	89	89	87	88	88	88	89	60	60	58	58	56	93	84	102	74	102	71	61
KNYR	HY02	88	87	89	89	91	89	89	88	88	89	89	89	90	91	56	57	58	91	82	89	78	91	75	57
KNYR	HY03	99	97	99	99	101	100	100	67	59	59	59	59	61	61	59	59	98	101	101	101	101	101	97	97
KNYR	HY04	88	86	89	88	91	89	89	87	88	89	89	90	90	58	58	97	102	102	102	100	102	96	96	100
LPIA	HY01	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
MNOR	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
PGAU	HY01	21	20	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	22	111	110	110	108	107	20	21	21
PGAU	HY02	82	82	19	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	83	83	82	82	82	82	82	82
PGAU	HY03	112	111	81	81	81	81	-1	-1	-1	-1	-1	-1	-1	-1	81	81	81	81	82	79	78	81	81	81
PGAU	HY04	112	112	80	82	83	0	0	0	0	0	0	0	0	0	21	22	22	21	21	21	21	21	21	21
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

