

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,502 MW
Hydro	2,088 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,590 MW</b>
<b>Total IPP</b>	<b>14,722 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>Total System</b>	<b>19,933 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	39,675	12.12 %
Hydro	25,018	7.64 %
<b>Total TNB</b>	<b>64,693</b>	<b>19.76 %</b>
ST-Coal	184,121	56.24 %
Gas	77,747	23.75 %
<b>Total IPP</b>	<b>261,868</b>	<b>79.99 %</b>
Co-Gen	1,363	0.42 %
<b>Total Co-Gen</b>	<b>1,363</b>	<b>0.42 %</b>
<b>Total Generation</b>	<b>327,924</b>	<b>100.17 %</b>
PLTG	-186	-0.06 %
HVDC	733	0.22 %
<b>Interconnection</b>	<b>547</b>	<b>0.17 %</b>
<b>Net Energy</b>	<b>327,377</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:	19:30:00 Hour
Total Set On Bus	16,177 MW
TNB Generation	3,291 MW
IPP Generation	11,643 MW
Spinning Reserve	1,184 MW
Maximum Demand	14,968 MW
Net Energy	327,377 MWH
Load Factor	91.13 %

### Fuel Cost

Total Cost:	53,319,577.41 RM
Cost per Unit	17.60 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	505
Hydro	311
Syncon	361
Thermal	239
<b>Total</b>	<b>1,416</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Cloudy	33
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	30
PGPS	26
SRDG	2
TJGS	228
<b>Total TNB</b>	<b>286</b>
CBPS	58
NPRI	148
PGLA	108
PLPS	78
PTEK	4
SGB3	78
SGRI	60
YPKA	28
<b>Total IPP</b>	<b>562</b>
<b>Total Gas</b>	<b>848</b>

**Total Gas Required 848**

### 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	14094	13547	13085	12612	12250	11942	12038	11861	11857	13132	13976	14635	14468	14198	14468	14455	14552	14113	13586	14157	14805	14653	14322	14106



### 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																									
YPKA	ST20	65	65	65	64	64	58	39	39	39	39	38	38	39	39	39	39	57	64	64	65	65	65	64	65	65	65	64	64	63	64	64	39	37	38	37	64	60	60	40	38	39	38	38	38					
Total CCGT-Gas		4934	4871	4887	4565	4577	4370	4367	4201	4155	4106	4071	4134	4123	4477	4172	3894	3921	4803	5043	5114	4976	5437	5511	5633	5443	5274	5171	5285	5346	5422	5345	5430	5399	5381	5334	5111	4961	4967	5290	5295	5130	5229	5141	5028	4897	4707	4659	4439	
PTEK	CT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	65	68	67	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107	67	66	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	0	0	0	0	0	0	0	0	0	0	0	0	0	106	90	89	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	218	262	224	133	0	0	0	0	0		
BSIA	HY01	21	21	21	21	21	21	21	21	21	21	21	20	0	0	0	0	0	0	0	20	20	20	21	20	11	11	12	12	11	11	12	11	11	12	12	12	16	21	21	21	21	21	21	21	21	21	21		
BSIA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	13	13	13	13	13	13	13	22	22	22	22	22	12	12	12	12	12	12	12	12	13	13	13	13	13	13	23	23	23	23	23	23	23	23	23	23	
BSIA	HY03	23	23	23	22	22	23	23	23	22	23	22	21	20	0	0	0	0	0	0	23	23	23	23	23	13	12	13	14	13	13	13	13	13	13	13	14	24	24	24	24	24	24	24	24	24	24	24	24	
CEND	HY01	10	10	9	9	9	10	10	9	9	10	9	10	10	10	10	10	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	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	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	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	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
CEND	HY04	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	HY01	62	63	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
KNRG	HY01	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	
KNRG	HY02	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
KNYR	HY02	96	98	99	98	99	99	99	99	98	99	99	100	99	100	100	99	100	103	103	101	98	95	100	103	99	99	98	100	101	101	97	98	97	97	96	98	97	99	101	100	98	98	99	97	98	98	98	98	93
KNYR	HY03	97	99	100	98	99	100	100	100	100	100	100	100	100	100	98	96	100	100	99	99	98	100	100	100	98	98	97	97	96	98	97	97	96	98	97	99	100	100	98	98	100	98	98	100	98	98	98	98	93
KNYR	HY04	98	99	99	99	99	99	99	99	99	99	99	98	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
LPIA	HY01	20	20	20	20	19	19	19	19	19	19	19	19	19	19	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	20	20	20	20	20	20	20	20	20	
LPIA	HY02	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PGAU	HY01	107	111	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY02	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGAU	HY03	107	111	111	21	-1	-1	-1	-1	21	21	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	0	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	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	0	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	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY03	72	75	74	75	75	75	74	73	75	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	81	82	82	82	82	82	81	81	81</																																								

### 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																									
TIE-PLTG		30	-22	-15	-30	-43	-38	23	5	17	-30	-13	2	-27	-30	45	28	-14	39	-55	26	-43	-18	-36	-37	16	-23	35	-13	-17	42	55	3	-29	-14	-6	-23	18	-46	-27	-5	22	-47	9	-34	-31	-58	-11	52	
Interconnection		61	8	15	1	-12	-8	53	34	47	0	17	33	4	0	76	59	17	69	-25	56	-13	12	-6	-7	46	8	66	18	14	72	85	33	2	16	24	7	48	-15	4	25	53	-16	40	-3	-2	-27	21	82	
<b>System Total</b>		<b>14094</b>	<b>13824</b>	<b>13547</b>	<b>13153</b>	<b>13085</b>	<b>12853</b>	<b>12612</b>	<b>12427</b>	<b>12250</b>	<b>12146</b>	<b>11942</b>	<b>11999</b>	<b>12038</b>	<b>12134</b>	<b>11861</b>	<b>11690</b>	<b>11857</b>	<b>12654</b>	<b>13132</b>	<b>13685</b>	<b>13976</b>	<b>14414</b>	<b>14635</b>	<b>14725</b>	<b>14468</b>	<b>14376</b>	<b>14198</b>	<b>14381</b>	<b>14468</b>	<b>14559</b>	<b>14455</b>	<b>14553</b>	<b>14552</b>	<b>14438</b>	<b>14113</b>	<b>13817</b>	<b>13586</b>	<b>13713</b>	<b>14157</b>	<b>14968</b>	<b>14805</b>	<b>14859</b>	<b>14653</b>	<b>14464</b>	<b>14322</b>	<b>14200</b>	<b>14106</b>	<b>13711</b>	
SRev ST-Coal		192	286	279	275	268	273	405	415	469	479	459	445	339	391	290	355	406	414	417	264	237	242	240	216	253	273	280	245	226	240	238	237	232	227	239	279	319	306	301	175	177	179	166	185	240	263	263	305	
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
SRev CCGT-Gas		659	642	511	793	781	988	991	1157	1203	1252	1287	1224	1235	881	1186	1464	1437	555	315	387	668	405	331	209	399	568	621	507	446	390	467	382	413	431	458	681	831	825	502	517	662	563	651	764	681	871	776	922	
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
SRev Co-Gen		0	2	0	-1	-2	-3	-3	-2	-3	-3	-4	-3	-4	-1	-5	-4	-4	-2	0	1	3	3	6	8	7	9	7	8	9	8	8	6	7	6	7	-2	-2	-2	0	-2	-3	0	-2	-5	-9	-7	-9	-8	
Syncon		374	374	651	651	802	802	802	802	651	651	802	802	802	802	500	374	374	374	374	500	374	374	374	500	374	374	374	374	374	374	374	374	375	676	676	676	525	525	187	187	187	187	187	187	187	187	187		
Hydro		343	322	92	185	55	52	52	55	187	182	55	92	95	98	278	98	97	92	94	246	235	371	373	302	156	170	182	345	341	255	271	263	268	205	261	234	225	339	290	294	318	395	394	396	394	456	456	520	
S.Reserve Total		1568	1626	1533	1903	1904	2112	2247	2427	2507	2561	2599	2645	2552	2256	2485	2800	2823	1946	1713	1398	1642	1520	1324	1235	1314	1394	1464	1479	1396	1267	1358	1262	1294	1244	1641	1893	2074	2018	1643	1184	1418	1439	1479	1527	1493	1770	1673	1926	