

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,527 MW
Hydro	2,462 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,989 MW</b>
<b>Total IPP</b>	<b>16,325 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>21,886 MW</b>

### Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

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

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,293 MW
TNB Generation	2,541 MW
IPP Generation	14,279 MW
Spinning Reserve	1,426 MW
Maximum Demand	16,954 MW
Net Energy	355,879 MWH
Load Factor	87.46 %

### Gas Usage

Station	(mmscfd)
GLGR	52
TJGS	210
<b>Total TNB</b>	<b>261</b>
CBPS	50
KLPP	93
MPSS	27
NPRI	151
PGLA	115
PLPS	59
SGRI	99
SKSP	35
YPKA	73
<b>Total IPP</b>	<b>703</b>
<b>Total Gas</b>	<b>964</b>
<b>Total Gas Required</b>	<b>964</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>

### Generation Mix

Type	MWh	Percentage
Gas	36,871	10.36 %
Hydro	8,516	2.39 %
<b>Total TNB</b>	<b>45,387</b>	<b>12.75 %</b>
ST-Coal	213,089	59.88 %
Gas	95,320	26.78 %
<b>Total IPP</b>	<b>308,409</b>	<b>86.66 %</b>
Co-Gen	1,124	0.32 %
<b>Total Co-Gen</b>	<b>1,124</b>	<b>0.32 %</b>
<b>Total Generation</b>	<b>354,920</b>	<b>99.73 %</b>
PLTG	-347	-0.10 %
HVDC	-612	-0.17 %
<b>Interconnection</b>	<b>-959</b>	<b>-0.27 %</b>
<b>Net Energy</b>	<b>355,879</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	60,173,198.15 RM
Cost per Unit	17.37 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	360
Hydro	526
Syncon	787
Thermal	100
<b>Total</b>	<b>1,773</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	0
Morning	Sunny	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	14002	13433	12743	12394	12095	11928	12345	12320	13067	14868	15941	16675	16632	16255	16631	16892	16855	16503	15452	15421	16221	16112	15622	15109



### Daily MW Generation on Monday

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
TJGS	GT2A	210	181	140	143	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
TJGS	GT2B	215	186	144	148	148	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149
TJGS	ST2C	258	235	217	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210	210
YPKA	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
YPKA	GT12	129	68	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
YPKA	ST10	59	36	35	35	36	35	35	35	35	36	35	35	35	35	35	35	35	35	35	35	35	35	35	35
YPKA	GT21	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
YPKA	ST20	40	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
Total CCGT-Gas		4877	4502	4364	4069	4229	4144	3832	3643	3622	3622	3837	3786	3960	4009	3672	3713	4166	5191	5732	6174	6580	6719	6901	6915
Total 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
BSIA	HY01	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
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
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
HTRG	HY02	-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	HY02	39	38	38	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	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
KNYR	HY03	65	71	98	77	67	63	65	64	63	77	65	65	89	75	63	59	56	61	58	61	64	59	61	61
KNYR	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
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
LPIA	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
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
PGAU	HY01	-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	-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	-1	-1	-1	-1	-1	-1	-1	-1	5	20	-1	-1	-1	-1	-1	-1	23	23	23	23	23	23	23	23
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	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
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
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
TMGR	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
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		193	198	225	193	184	180	182	181	180	200	203	182	206	214	202	176	173	178	221	224	277	322	399	506
Total Distillate		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	6	6	7	6	7	7	7	8	9	7	7	7	7	8	7	8	7	7	8	7	7	7	7	8
PCUF	CUFK	25	40	40	38	39	40	41	41	41	40	39	40	40	40	41	41	41	40	41	39	41	41	40	40
Total Co-Gen		31	46	47	44	46	47	48	49	50	47	46	47	47	46	49	48	48	48	48	48	48	46	47	47
Total Gen		14002	13614	13402	12941	12675	12559	12345	12157	12034	11991	11930	12027	12313	12502	12371	12281	12979	14035	14792	15442	15907	16275	16561	16682
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		31	31	31	-29	-29	-30	-30	-28	-28	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-30	-30	-30	-29	-29

### Daily MW Generation on Monday

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		-31	-18	-61	13	-38	-43	-19	-12	-33	-27	31	50	-3	10	80	-11	-59	8	-47	-80	-5	1	-85	-51	-43	-42	-29	-11	3	-58	-50	-19	-39	-62	12	12	28	32	38	12	-5	15	11	-36	30	-34	-22	-8			
Interconnection		0	12	-31	-16	-68	-73	-49	-40	-61	-56	2	21	-32	-20	51	-40	-88	-21	-76	-110	-34	-29	-114	-80	-72	-71	-58	-41	-27	-87	-79	-49	-69	-92	-17	-17	-1	4	10	-18	-35	-14	-18	-67	0	-63	-51	-38			
System Total		14002	13602	13433	12957	12743	12632	12394	12197	12095	12047	11928	12006	12345	12522	12320	12321	13067	14056	14868	15552	15941	16304	16675	16762	16632	16405	16255	16477	16631	16954	16892	16814	16855	16825	16503	15911	15452	15273	15421	16073	16221	16261	16112	15878	15622	15398	15109	14681			
SRev ST-Coal		186	219	61	-71	59	86	-12	39	54	94	231	183	125	170	120	244	135	19	16	71	63	81	95	93	79	80	91	94	91	73	97	97	100	98	78	77	100	89	100	153	163	150	158	155	158	162	165	87			
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		496	871	1009	1304	1144	1229	1541	1730	1751	1751	1536	1629	1455	1440	1866	1825	1612	740	401	533	167	391	209	195	390	329	451	317	455	216	303	346	322	382	494	652	800	928	778	348	358	298	379	443	573	665	913	1251			
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	0
SRev Co-Gen		5	-10	-11	-8	-10	-11	-12	-13	-14	-11	-10	-11	-11	-11	-10	-13	-12	-12	-12	-12	-10	-12	-13	-11	-11	-11	-12	-10	-11	-11	-12	-12	-11	-12	-10	-11	-10	-11	-9	-11	-13	-10	-12	-12	-10	-11	-10	-13			
Syncon		1350	1350	1350	1350	1350	1350	1350	1350	1199	1199	1350	1350	1199	1199	1350	1350	1350	1048	1048	811	811	896	811	811	1048	1048	813	727	626	439	439	439	439	626	964	1199	1199	1350	1165	928	928	928	1014	1199	1199	1350	1350				
Hydro		127	122	95	127	136	140	138	139	140	271	268	138	114	257	269	144	147	142	401	398	582	587	634	578	579	403	448	573	590	522	653	658	657	653	619	492	312	270	177	312	409	409	375	411	280	277	151	149			
S.Reserve Total		2164	2552	2504	2702	2679	2794	3005	3245	3281	3304	3224	3289	3033	3055	3444	3550	3232	2239	1854	2038	1613	1858	1821	1666	1848	1849	2026	1787	1852	1426	1480	1528	1507	1560	1807	2174	2401	2475	2396	1967	1845	1775	1828	2011	2200	2292	2569	2824			