

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,402 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,402 MW</b>
<b>Total IPP</b>	<b>16,981 MW</b>
<b>Total Co-Gen</b>	<b>55 MW</b>
<b>Total System</b>	<b>21,587 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	9,371	2.55 %
Gas	41,400	11.26 %
<b>Total TNB</b>	<b>50,771</b>	<b>13.80 %</b>
ST-Coal	184,634	50.20 %
ST-Gas	9,183	2.50 %
LSS	997	0.27 %
Gas	121,607	33.06 %
<b>Total IPP</b>	<b>316,421</b>	<b>86.03 %</b>
Co-Gen	1,160	0.32 %
<b>Total Co-Gen</b>	<b>1,160</b>	<b>0.32 %</b>
<b>Total Generation</b>	<b>368,352</b>	<b>100.15 %</b>
PLTG	-180	-0.05 %
HVDC	727	0.20 %
<b>Interconnection</b>	<b>547</b>	<b>0.15 %</b>
<b>Net Energy</b>	<b>367,805</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

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

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	19,173 MW
TNB Generation	2,778 MW
IPP Generation	14,591 MW
Spinning Reserve	1,749 MW
Maximum Demand	17,396 MW
Net Energy	367,805 MWH
Load Factor	88.10 %

### Fuel Cost

Total Cost:	77,804,512.33 RM
Cost per Unit	21.67 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	338
Hydro	647
Syncon	581
Thermal	279
<b>Total</b>	<b>1,845</b>

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

### Gas Usage

Station	(mmscfd)
GLGR	52
PAKA	49
PGPS	40
SRDG	11
TJGS	161
<b>Total TNB</b>	<b>313</b>
CBPS	54
KLPP	100
MPSS	49
NPRI	156
PGLA	115
PLPS	90
PTEK	11
SGRI	81
SKSP	53
YPKA	85
PKLG	92
<b>Total IPP</b>	<b>884</b>
<b>Total Gas</b>	<b>1,198</b>
<b>Total Gas Required</b>	<b>1,198</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	14997	14193	13672	13294	12987	12737	13057	13028	13519	15107	16019	16716	16671	16348	17029	17256	17383	17037	15682	15591	16615	16680	16136	15585



### Daily MW Generation on Wednesday

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	141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	GT23	139	138	138	139	139	140	104	104	103	108	108	111	108	108	108	111	80	0	0	0	0	0	0	0
SGRI	ST24	154	97	71	70	70	69	62	60	61	62	58	58	61	61	61	59	58	61	53	0	0	0	0	0
SKSP	BLK1	235	231	245	271	347	238	277	344	258	266	218	217	287	341	232	228	285	276	341	287	265	339	345	344
TJGS	GT1B	225	229	229	229	229	183	135	138	133	135	133	135	135	134	137	137	215	230	227	226	226	226	226	223
TJGS	ST1C	120	120	120	120	120	113	81	81	81	81	81	81	81	78	78	78	98	117	117	117	117	117	117	117
TJGS	GT2A	220	222	222	223	223	223	183	148	145	147	148	146	185	183	185	217	216	216	216	215	215	215	215	215
TJGS	GT2B	220	220	220	220	220	220	180	145	144	144	144	145	183	181	183	211	215	213	213	213	213	213	213	213
TJGS	ST2C	265	265	265	263	263	263	236	210	210	210	210	210	234	234	234	258	258	258	258	258	258	258	258	258
YPKA	GT11	132	56	0	0	0	0	0	0	0	0	0	0	0	15	131	132	131	133	131	132	133	133	133	133
YPKA	GT12	136	131	133	99	78	92	74	67	96	69	92	69	75	82	69	88	81	143	140	121	143	126	132	120
YPKA	ST10	127	57	57	50	42	42	42	42	42	42	42	42	42	42	121	125	126	127	127	127	128	128	127	128
YPKA	GT21	123	123	123	123	65	64	64	65	65	65	65	65	65	64	65	65	123	123	123	123	123	123	123	123
YPKA	ST20	60	61	60	60	39	38	38	38	38	37	38	38	38	38	38	60	60	60	60	60	60	60	60	60
Total CCGT-Gas		6821	6387	6304	6050	5857	5678	5505	5333	5088	4919	4775	4827	5089	5372	5059	5119	5596	6494	6877	6851	7261	7402	7514	7523
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
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
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 OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	228	462	461	461	461
BSIA	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
CEND	HY01	10	10	9	9	9	9	10	10	10	10	10	9	9	9	9	9	10	9	10	9	10	10	10	9
CEND	HY03	10	9	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
HTRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	127	124	124	63	0	0	108	125
HTRG	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
KNRG	HY02	25	25	26	25	26	26	25	25	25	25	25	25	25	26	25	25	25	26	25	25	25	25	25	26
KNYR	HY01	58	57	59	58	58	59	58	57	57	58	57	58	59	60	58	58	58	59	60	102	60	60	103	103
KNYR	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
LPIA	HY01	15	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	20	21	21	81	20	21	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	20	20	20	20	20	20
PGAU	HY03	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	21	20	20	20	21	21	21
PGAU	HY04	21	21	21	21	21	21	21	21	21	21	21	22	21	19	41	81	21	82	21	22	21	21	21	21
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	51	51	51	30	30	30
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	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	25	25	17	17	17	17	17	17	17
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	25	25	17	17	17	17	17	17	17
TMGR	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
TMGR	HY02	35	35	35	34	35	35	34	35	36	36	36	36	36	36	36	36	36	36	36	65	35	35	35	35
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	108	107	104	-1	-1	-1	-1	90
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	HY01	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5

### Daily MW Generation on Wednesday

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																														
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		223	195	198	195	197	198	195	196	197	197	196	199	222	200	220	198	197	195	263	478	344	472	628	736	669	421	333	498	599	797	672	652	593	658	556	250	242	242	246	647	648	750	748	652	370	245	222	223						
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	14	15	15	15	15	15	15	15	15	15	18	12	13	12	7	4	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0				
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	17	23	21	34	30	37	41	36	49	50	38	30	20	32	35	14	14	7	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	16	23	33	37	20	47	36	40	41	17	24	39	50	50	42	26	29	18	15	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0				
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	11	23	29	30	36	40	44	42	40	46	43	43	36	34	35	30	6	6	4	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0				
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	23	50	79	97	116	101	139	136	133	145	128	120	127	124	128	125	82	56	35	25	16	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCUF	CUFG	14	14	14	15	13	13	15	15	15	15	17	24	22	21	21	22	20	19	21	19	18	19	22	29	33	48	49	48	47	48	45	48	46	48	47	49	46	49	49	48	47	47	46	22	21	20	20	20						
PCUF	CUFK	35	34	34	32	35	34	35	33	36	33	36	34	34	33	35	34	33	32	34	33	35	9	7	6	5	7	5	5	4	4	3	3	4	4	3	5	3	6	6	6	4	5	4	3	6	4	4	4	4					
Total Co-Gen		49	48	48	47	48	47	50	48	51	48	51	49	51	57	57	55	57	53	51	55	52	53	28	29	35	38	55	54	53	51	52	48	51	50	52	50	54	49	55	55	52	52	51	49	28	25	24	24	24					
Total Gen		14990	14398	14154	13872	13679	13487	13315	13144	12986	12873	12727	12764	13071	13335	13048	13077	13564	14467	15098	15589	15987	16434	16716	16840	16713	16449	16365	16744	17024	17357	17302	17421	17368	17316	17109	16461	15779	15567	15645	16560	16620	16752	16720	16560	16195	15970	15630	15234	15234					
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	0	0	0			
TIE-HVDC		30	31	31	30	30	30	31	31	30	30	29	29	31	31	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	31	31	31	29	29	29	29	29	29	29	29	29	29	29				
TIE-PLTG		-37	-42	-69	3	-23	-8	-9	11	-32	-24	-40	-49	-16	82	-11	5	15	-24	-40	-15	-63	2	-31	26	12	-11	-14	-14	-36	6	15	-6	-46	-34	42	82	66	8	24	-32	-26	-14	11	-19	30	-4	15	-27	-27					
Interconnection		-7	-11	-39	33	7	22	21	42	-1	5	-10	-20	14	113	20	36	45	7	-9	16	-32	33	0	57	42	20	17	17	-5	37	46	25	-15	-4	72	112	97	38	54	-2	5	15	40	10	59	25	45	2	2					
System Total		14997	14409	14193	13839	13672	13465	13294	13102	12987	12868	12737	12784	13057	13222	13028	13041	13519	14460	15107	15573	16019	16401	16716	16783	16671	16429	16348	16727	17029	17320	17256	17396	17383	17320	17037	16349	15682	15529	15591	16562	16615	16737	16680	16550	16136	15945	15585	15234	15234					
SRev ST-Coal		412	183	53	77	80	93	92	90	7	-52	-48	-32	-52	95	89	96	90	103	392	297	251	257	246	252	262	238	258	252	250	253	249	252	247	256	252	293	272	265	250	261	263	266	255	271	264	298	402	400	400	400				
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	64	7	5	6	6	6	7	6	4	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		638	636	513	542	735	914	1087	1259	1504	1673	1817	1905	1643	1360	1673	1624	1430	762	453	546	407	326	383	374	422	418	409	290	290	392	320	183	175	195	258	542	872	973	901	374	313	260	301	348	436	526	508	556	556					
SRev ST-Gas		73	72	72	72	72	72	72	71	71	71	71	72	72	68	68	69	69	69	69	67	69	15	-2	-2	-2	37	37	1	-2	-2	-2	-2	-2	37	35	-5	-5	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-47	47	68	68	68		
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		6	7	7	8	7	8	5	7	4	7	4	6	4	-2	0	0	2	4	0	3	2	2	1	-5	2	0	1	2	4	3	7	4	5	3	5	1	6	0	0	3	3	4	6	2	5	6	6	6	6	6				
Syncon		949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949	949				
Hydro		382	260	274	277	275	274	277	276	275	275	276	273	401	272	403	274	258	260	494	396	530	677	708	650	717	778	590	763	650	639	827	660	656	692	694	674	531	531	527	688	687	685	687	596	653	527	400	399	399	399	399			
S.Reserve Total		2460	2107	1868	1925	2118	2310	2482	2652	2810	2923	3069	3173	2866	2742	3029	3012	2796	2141	2057	1957	1904	1925	1797	1736	1858	2113	2094	1830	1843	1749	1864	1749	1736	1737	1796	2158	2472	2566	2480	1845	1785	1736	1768	1990	2130	2230	2286	2353	2353					