

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,636 MW
Hydro	2,500 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,136 MW</b>
<b>Total IPP</b>	<b>14,325 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>Total System</b>	<b>20,082 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	40,212	11.58 %
Hydro	17,548	5.06 %
<b>Total TNB</b>	<b>57,760</b>	<b>16.64 %</b>
ST-Coal	180,747	52.07 %
Gas	107,559	30.99 %
<b>Total IPP</b>	<b>288,306</b>	<b>83.06 %</b>
Co-Gen	1,071	0.31 %
<b>Total Co-Gen</b>	<b>1,071</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>347,137</b>	<b>100.01 %</b>
PLTG	-332	-0.10 %
HVDC	363	0.10 %
<b>Interconnection</b>	<b>31</b>	<b>0.01 %</b>
<b>Net Energy</b>	<b>347,106</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

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

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	17,919 MW
TNB Generation	3,059 MW
IPP Generation	13,238 MW
Spinning Reserve	1,583 MW
Maximum Demand	16,356 MW
Net Energy	347,106 MWH
Load Factor	88.42 %

### Fuel Cost

Total Cost:	59,958,749.30 RM
Cost per Unit	18.19 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	664
Hydro	428
Syncon	451
Thermal	143
<b>Total</b>	<b>1,686</b>

### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	30
PGPS	27
SRDG	14
TJGS	220
<b>Total TNB</b>	<b>291</b>
CBPS	55
KLPP	99
NPRI	116
PDPS	7
PGLA	101
PKLG	6
PLPS	92
PTEK	17
SGB3	95
SGRI	44
SKSP	43
YPKA	78
<b>Total IPP</b>	<b>752</b>
<b>Total Gas</b>	<b>1,043</b>
<b>Total Gas Required</b>	<b>1,043</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	13881	13330	12813	12370	12149	12034	12047	12252	12774	14437	15338	15849	15796	15512	16148	16356	16346	16024	15167	15210	15718	15474	14859	14709



### Daily MW Generation on Tuesday

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	GT1B	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220
TJGS	ST1C	244	244	244	243	244	244	244	244	244	244	244	244	245	245	246	246	247	248	248	248	247	247	247	246
TJGS	GT2A	203	217	219	221	209	221	204	195	202	202	187	190	219	224	186	186	183	215	221	221	221	216	219	209
TJGS	GT2B	198	215	216	219	206	218	202	192	198	200	186	186	217	221	183	184	178	213	218	216	217	212	217	205
TJGS	ST2C	246	260	260	257	247	251	258	240	253	238	237	237	258	252	237	251	260	261	261	262	262	261	260	260
YPKA	GT11	108	65	65	66	66	66	66	65	65	65	65	66	134	134	134	134	135	134	134	135	134	134	133	130
YPKA	GT12	108	63	63	63	64	63	63	63	63	63	113	136	136	136	136	136	135	136	136	136	137	136	133	134
YPKA	ST10	117	75	74	75	76	76	75	75	76	76	76	101	123	122	122	123	122	122	124	125	126	126	128	
YPKA	GT21	0	0	0	0	0	0	0	0	0	0	0	0	21	55	0	50	70	70	70	134	134	132	133	
YPKA	ST20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	63	63	64	65	40	40	40	39	
Total CCGT-Gas		5033	4990	4918	4795	4702	4587	4472	4439	4346	4348	4272	4264	4584	5143	5153	5145	5188	5890	5973	6031	6240	6384	6436	
PDPS	GT02	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	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
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
PKLG	GT09	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
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	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
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	0	0	0	0	0	0
BSIA	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
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
BSIA	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
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	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	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	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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
KNRG	HY02	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
KNRG	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
KNYR	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
KNYR	HY02	59	59	60	59	57	61	59	60	60	59	58	60	59	57	57	59	99	98	100	101	100	100	99	99
KNYR	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
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	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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	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
PGAU	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
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

### Daily MW Generation on Tuesday

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
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	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	-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	33	33	33	33	32	33	33	33	33	33	33	33	32	32	33	64	84	84	84	84	84	84	84	84
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	79	79	79	79	79	79	79	79
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	81	81	81	81	81	81	81	81
UJLI	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
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	93	93	93	93	93	93	93	93
UPIA	HY01	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		197	190	191	190	187	192	190	191	191	190	190	189	624	278	210	210	495	877	1394	1721	1780	1796	1797	1855
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	35	35	36	35	35	34	35	36	36	35	36	35	35	35	34	34	34	34	34	33	33	32	34	33
PCUF	CUFK	9	9	10	10	10	9	11	10	10	9	9	9	9	10	10	11	11	9	10	11	10	10	9	9
Total Co-Gen		44	44	46	45	45	43	46	46	44	45	44	44	46	46	46	43	43	44	45	43	44	44	42	44
Total Gen		13904	13519	13353	13147	12876	12620	12358	12331	12143	12143	12055	12055	12026	12229	12240	12353	12747	13716	14357	14887	15297	15645	15857	16012
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		30	30	30	30	30	30	30	31	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-PLTG		-7	5	-8	19	33	-7	-42	-21	-37	31	-9	-17	-22	3	-12	24	-27	-62	-80	-51	-41	-1	8	
Interconnection		23	35	23	49	63	22	-12	9	-6	61	21	13	-21	3	-12	24	-27	-62	-80	-51	-41	-1	8	
System Total		13881	13484	13330	13098	12813	12598	12370	12322	12149	12082	12034	12042	12047	12226	12252	12329	12774	13778	14437	14938	15338	15646	15849	
SRev ST-Coal		248	375	320	314	328	382	323	318	313	316	324	314	246	254	258	213	146	178	170	172	166	172	167	
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
SRev CCGT-Gas		818	861	933	1056	1149	1264	1379	1412	1505	1503	1579	1437	1117	558	818	969	1113	523	440	427	438	359	402	
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
SRev Co-Gen		13	13	11	12	14	11	11	11	13	12	13	13	13	11	12	15	11	11	14	14	13	12	14	
Syncon		1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	1164	288	887	1013	1013	761	590	252	126	0	0	
Hydro		144	144	143	144	147	142	144	143	143	144	144	145	586	333	275	275	442	590	636	460	502	511	510	
S.Reserve Total		2387	2557	2596	2690	2800	2966	3021	3048	3136	3140	3223	3073	2250	2045	2375	2482	2477	1892	1509	1318	1116	1091	1288	