

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,500 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,291 MW</b>
<b>Total IPP</b>	<b>14,936 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>Total System</b>	<b>20,284 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	39,982	11.48 %
Hydro	31,292	8.98 %
Distillate	57	0.02 %
<b>Total TNB</b>	<b>71,331</b>	<b>20.48 %</b>
ST-Coal	155,255	44.58 %
ST-Gas	730	0.21 %
ST-Oil	8,023	2.30 %
Gas	102,929	29.55 %
Distillate	8,238	2.37 %
<b>Total IPP</b>	<b>275,175</b>	<b>79.01 %</b>
Co-Gen	1,182	0.34 %
<b>Total Co-Gen</b>	<b>1,182</b>	<b>0.34 %</b>
<b>Total Generation</b>	<b>347,688</b>	<b>99.83 %</b>
PLTG	-166	-0.05 %
HVDC	-427	-0.12 %
<b>Interconnection</b>	<b>-593</b>	<b>-0.17 %</b>
<b>Net Energy</b>	<b>348,281</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:	16:30:00 Hour
Total Set On Bus	18,173 MW
TNB Generation	3,558 MW
IPP Generation	12,665 MW
Spinning Reserve	1,900 MW
Maximum Demand	16,285 MW
Net Energy	348,281 MWH
Load Factor	89.11 %

### Fuel Cost

Total Cost:	61,996,655.02 RM
Cost per Unit	19.60 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,131
Hydro	331
Syncon	353
Thermal	101
<b>Total</b>	<b>1,916</b>

### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	46
PAKA	47
PGPS	30
TJGS	175
<b>Total TNB</b>	<b>297</b>
CBPS	51
KLPP	59
MPSS	47
NPRI	135
PGLA	100
PLPS	68
SGB3	64
SGRI	88
SKSP	26
YPKA	75
PKLG	8
<b>Total IPP</b>	<b>720</b>
<b>Total Gas</b>	<b>1,017</b>
<b>Total Gas Required</b>	<b>1,167</b>

### Alternate Fuel Usage

Station	(mmscfd)
PGPS	1
KLPP	13
PGPS	0
PLPS	10
SGB3	11
SGRI	36
PKLG	79
<b>Total</b>	<b>150</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	14063	13488	13043	12636	12339	12253	12321	12472	12751	14509	15381	15935	15924	15525	15712	16134	16219	16001	15121	15292	15815	15447	15084	14655





### Daily MW Generation on Friday

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	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
SYPS	HY02	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	25	25	25	25
SYPS	HY03	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
SYPS	HY04	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
TMGR	HY01	65	34	33	33	33	-1	-1	-1	-1	-1	-1	-1	-1	31	31	62	31	62	82	82	82	82	81	79	78
TMGR	HY02	66	33	33	33	33	33	33	33	33	33	33	33	32	33	32	33	64	33	64	84	84	84	84	84	84
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	29	30	59	30	59	79	79	79	79	79	79	79
TMGR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	61	0	0	0	0	0	0	81	80	78	77	80
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	81	83	88	90
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	90	-1	-1	-1	-1	93	90	89	87	90	
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	7
Total Hydro		1092	867	988	965	962	892	891	828	762	670	687	678	723	820	846	788	876	897	944	1002	934	1062	1094	1303	1324
KLPP	GT14	142	141	141	141	141	122	112	113	112	112	115	117	112	140	140	0	0	0	0	0	0	0	0	0	0
PGPS	GT3A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT11	145	147	146	143	145	115	69	68	69	65	67	69	68	68	153	112	0	0	0	0	0	0	0	0	0
SGB3	GT33	126	125	125	126	126	104	105	104	104	101	104	106	106	106	123	41	0	0	0	0	0	0	0	0	0
SGRI	GT12	133	133	134	134	134	109	109	109	99	99	99	100	99	100	100	99	99	99	110	110	111	111	111	111	0
SGRI	GT21	127	127	127	126	127	106	106	106	99	95	99	98	98	98	99	93	98	97	101	108	106	107	107	107	83
Total Distillate		673	673	673	670	673	556	501	500	483	472	481	488	488	484	615	486	197	196	200	218	216	218	218	218	83
PCUF	CUFG	9	9	8	9	10	10	9	8	9	8	8	10	10	10	11	10	10	10	10	10	11	10	10	10	10
PCUF	CUFK	34	40	40	40	41	39	41	38	40	41	40	42	41	41	40	41	40	40	38	39	41	41	40	40	41
Total Co-Gen		43	49	48	49	51	49	50	46	49	49	49	50	49	51	50	52	50	50	51	50	51	51	53	50	50
Total Gen		14098	13674	13399	13089	12944	12727	12541	12384	12245	12141	12119	12156	12201	12259	12397	12353	12640	13598	14374	14854	15378	15676	15943	16076	15954
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
TIE-HVDC		31	-99	-99	-98	-99	-98	-97	-98	-99	-99	-98	-98	-98	-98	-97	-97	29	31	31	31	31	31	31	31	31
TIE-PLTG		4	-54	10	31	0	-22	2	16	5	2	-36	-41	-21	32	24	52	-13	-51	-38	-26	-33	42	-23	0	
Interconnection		35	-154	-89	-67	-99	-119	-95	-82	-94	-96	-134	-139	-120	-67	-75	-46	-111	-149	-135	4	-3	72	8	32	
System Total		14063	13828	13488	13156	13043	12846	12636	12466	12339	12237	12253	12295	12321	12326	12472	12399	12751	13747	14509	14850	15381	15604	15935	16044	15924
SRev ST-Coal		94	101	124	106	160	139	155	150	151	155	207	208	201	197	206	205	197	211	141	145	18	33	34	39	
SRev ST-Oil		-4	-1	4	-2	-1	-2	-1	4	0	0	0	0	0	0	-1	-8	0	-5	-6	-6	1	0	0	0	35
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
SRev CCGT-Gas		1480	1790	1629	1925	2103	2169	2317	2420	2472	2471	2426	2377	2317	2354	2366	2187	2186	1606	1473	1356	1189	1092	855	928	
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
SRev Distillate		49	49	49	52	49	166	221	222	239	250	241	234	234	238	107	236	86	87	83	65	67	65	65	65	57
SRev Co-Gen		14	8	9	8	6	8	7	11	8	8	8	7	8	6	6	7	5	7	7	6	7	6	6	4	7
Syncon		913	913	762	913	913	914	914	998	847	998	998	998	998	998	847	847	998	827	827	676	827	827	676	338	
Hydro		112	287	267	139	142	127	128	191	408	349	332	317	272	175	300	358	119	269	217	310	227	182	218	347	
S.Reserve Total		2658	3147	2844	3141	3372	3521	3741	3991	4129	4261	4212	4141	4030	3968	3831	3832	3591	3002	2747	2557	2341	2210	1859	1726	1838