

### 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>16,884 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>Total System</b>	<b>22,641 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	35,169	10.17 %
Hydro	11,638	3.36 %
<b>Total TNB</b>	<b>46,807</b>	<b>13.53 %</b>
ST-Coal	204,611	59.14 %
Gas	93,777	27.11 %
<b>Total IPP</b>	<b>298,388</b>	<b>86.25 %</b>
Co-Gen	1,061	0.31 %
<b>Total Co-Gen</b>	<b>1,061</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>346,256</b>	<b>100.08 %</b>
PLTG	-448	-0.13 %
HVDC	729	0.21 %
<b>Interconnection</b>	<b>281</b>	<b>0.08 %</b>
<b>Net Energy</b>	<b>345,975</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:	16:00:00 Hour
Total Set On Bus	18,033 MW
TNB Generation	2,625 MW
IPP Generation	14,030 MW
Spinning Reserve	1,332 MW
Maximum Demand	16,721 MW
Net Energy	345,975 MWH
Load Factor	86.21 %

### Fuel Cost

Total Cost:	59,473,500.41 RM
Cost per Unit	17.77 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	396
Hydro	365
Syncon	645
Thermal	132
<b>Total</b>	<b>1,538</b>

### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
GLGR	30
SRDG	6
TJGS	213
<b>Total TNB</b>	<b>250</b>
CBPS	54
KLPP	83
NPRI	145
PGLA	101
PLPS	88
PTEK	8
SGB3	89
SKSP	35
YPKA	55
<b>Total IPP</b>	<b>656</b>
<b>Total Gas</b>	<b>906</b>

### Alternate Fuel Usage

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

**Total Gas Required 906**

### 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	13372	12844	12344	11888	11623	11572	11698	11986	12656	14504	15445	16104	15981	15807	16305	16636	16721	16245	15097	15164	15818	15495	15096	14697



### 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																									
YPKA	ST10	124	100	44	44	44	45	44	45	31	31	32	31	30	31	30	54	123	126	127	127	128	128	128	124	124	126	126	127	125	122	127	100	99	99	125	124	124	124	124	123	123	122							
Total CCGT-Gas		5000	4849	4503	4305	4239	4086	3861	3801	3642	3574	3541	3648	3666	3834	3998	4104	4395	5063	5500	5846	6072	6138	6213	6321	6123	6276	6243	6444	6388	6465	6410	6411	6474	6387	6244	6305	5888	5696	5982	6392	6249	5940	5800	5763	5467	5399	5360	5312	
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	0	0	80	123	229	230	335	336	334	337	254	31	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	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	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	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	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	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	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	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	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	-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	-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	26	27	27	27	27	27	28	27	27	27	27	27	27	28	28	27	28	28	27	28	28	28	28	28	28	28	28	28	29	39	39	39	37	37	37	26	25	26	26	26	26	26	26	26	26	26	26	26	
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	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	55	59	55	58	58	59	59	60	59	59	58	59	58	59	59	60	62	58	61	59	106	101	99	97	56	56	56	97	97	97	97	85	54	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	101	99	56	-1	-1	59	64	61	60	60	60	55	-1	-1	-1	-1	-1	100	100	101	101	102	101	100	100	-1			
LPIA	HY01	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23		
LPIA	HY02	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
PGAU	HY01	-1	-1	-1	-1	-1	-1	24	24	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	114	110	81	19	-1	-1	21	22	21	21	17	-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	81	81	112	20	-1	-1	-1	81	81	81	82	82	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
PGAU	HY03	-1	-1	27	-1	-1	-1	-1	-1	18	12	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	113	110	111	17	-1	-1	21	21	22	22	22	22	22	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	50	50	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49		
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	82	79	59	32	34	34	34	35	34	35	34	32	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	HY02	31	35	34	34	36	36	36	36	36	36	36	36	36	36	64	64	64	64	64	65	64	84	81	61	31	33	33	33	33	33	32	29	33	31	27	33	34	33	33	33	33	33	33	33	33	33	33		
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	79	76	-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	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
Total Hydro		190	166	189	164	166	167	192	194	167	186	179	167	166	165	166	190	168	198	191	444	446	806	921	1112	975	714	539	565	731	955	959	958	959	836	824	380	327	318	256	506	633	774	773	775	660	634	557	241	
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
PCUF	CUFK	34	35	34	35	36	35	35	36	34	34	34	36	36	35	35	35	33	34	32	33	33	32	32	29	33	33	36	38	37	36	35	34	37	35	36	35	36	37	35	35	36	35	36	35	35	35	35	34	
PCUF	CUFK	10	10	11	10	9	8	9	10	10	11	11	8	11	9	12	8	10	9	10	9	10	10	7	9	9	10	10	9	8	9	9	10	9	10</															

