

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,389 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,191 MW</b>
<b>Total IPP</b>	<b>14,735 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>20,498 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:	21:30:00 Hour
Total Set On Bus	16,491 MW
TNB Generation	2,988 MW
IPP Generation	11,988 MW
Spinning Reserve	1,450 MW
Maximum Demand	14,978 MW
Net Energy	317,413 MWH
Load Factor	88.30 %

### Gas Usage

Station	(mmscfd)
GLGR	51
PGPS	29
SRDG	4
TJGS	210
<b>Total TNB</b>	<b>294</b>
CBPS	53
KLPP	68
MPSS	30
NPRI	78
PGLA	106
PLPS	76
PTEK	3
SGRI	46
SKSP	48
YPKA	37
<b>Total IPP</b>	<b>546</b>
<b>Total Gas</b>	<b>839</b>
<b>Total Gas Required</b>	<b>839</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	40,643	12.80 %
Hydro	8,559	2.70 %
<b>Total TNB</b>	<b>49,202</b>	<b>15.50 %</b>
ST-Coal	185,485	58.44 %
Gas	82,154	25.88 %
<b>Total IPP</b>	<b>267,639</b>	<b>84.32 %</b>
Co-Gen	1,547	0.49 %
<b>Total Co-Gen</b>	<b>1,547</b>	<b>0.49 %</b>
<b>Total Generation</b>	<b>318,388</b>	<b>100.31 %</b>
PLTG	248	0.08 %
HVDC	727	0.23 %
<b>Interconnection</b>	<b>975</b>	<b>0.31 %</b>
<b>Net Energy</b>	<b>317,413</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	55,153,091.64 RM
Cost per Unit	17.80 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	525
Hydro	331
Syncon	878
Thermal	60
<b>Total</b>	<b>1,794</b>

### Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	27

### 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	14464	13967	13419	12819	12592	12359	12170	11762	11443	11915	12424	12923	12986	12939	13196	13253	13341	13238	13047	13443	14842	14938	14913	14645





### Daily MW Generation on Sunday

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		45	8	-6	60	-16	5	-21	0	3	6	16	11	-44	38	45	-3	-8	35	23	-16	-8	10	6	1	9	-1	-6	-8	35	16	21	19	7	5	36	27	23	-16	28	-24	-13	48	16	33	-20	20	40	11	
Interconnection		76	38	24	90	14	36	9	30	33	37	47	42	-13	69	76	27	22	65	54	14	23	41	36	31	39	30	25	22	66	47	51	49	37	35	66	57	52	13	58	7	18	79	46	63	10	50	70	41	
System Total		14464	14219	13967	13764	13419	13123	12819	12629	12592	12465	12359	12277	12170	12132	11762	11448	11443	11614	11915	12159	12424	12794	12923	13133	12986	13008	12939	13133	13196	13267	13253	13264	13341	13311	13238	13186	13047	13154	13443	14484	14842	14856	14938	14978	14913	14735	14645	14305	
SRev ST-Coal		73	62	277	272	276	262	240	90	52	45	57	52	55	50	62	257	246	154	55	45	48	54	33	56	58	55	58	49	65	49	61	124	114	50	66	66	66	70	107	48	50	48	40	51	59	69	73	62	
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
SRev CCGT-Gas		379	402	388	381	594	793	1075	1191	1146	1276	1359	1453	1614	1575	1919	1962	1844	1936	1778	1580	1307	913	812	663	799	780	851	669	645	610	459	417	287	334	395	334	423	764	730	234	261	282	333	270	226	222	250	391	
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
SRev Co-Gen		-36	-41	-39	-37	-40	-39	-42	-40	-42	-42	-42	-41	-42	-41	-41	-43	-41	-39	-38	-37	-35	-34	-36	-36	-37	-34	-35	-33	-29	-28	-29	-26	-28	-27	-29	-29	-31	-31	-29	-29	-31	-36	-34	-36	-33	-34	-35	-36	
Syncon		878	862	1200	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351	1351		
Hydro		460	433	230	121	123	122	123	122	121	121	122	119	118	117	124	123	123	125	133	136	137	136	136	137	139	138	139	137	134	132	663	659	349	348	426	462	382	109	154	531	449	494	555	554	481	453	492	507	
S.Reserve Total		1754	1718	2081	2088	2304	2489	2747	2714	2628	2751	2847	2934	3096	3052	3415	3650	3523	3153	2905	2701	2434	2046	1922	1797	1936	1916	1990	1799	1792	1740	1931	1951	1736	1719	1806	1882	1914	2263	2313	1705	1562	1587	1538	1450	1568	1507	1577	1721	