

### 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>14,262 MW</b>
<b>Total Co-Gen</b>	<b>57 MW</b>
<b>Total System</b>	<b>20,174 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	43,850	13.16 %
Hydro	26,537	7.96 %
<b>Total TNB</b>	<b>70,387</b>	<b>21.12 %</b>
ST-Coal	170,941	51.30 %
Gas	91,854	27.57 %
<b>Total IPP</b>	<b>262,795</b>	<b>78.87 %</b>
Co-Gen	1,083	0.33 %
<b>Total Co-Gen</b>	<b>1,083</b>	<b>0.33 %</b>
<b>Total Generation</b>	<b>334,265</b>	<b>100.32 %</b>
PLTG	335	0.10 %
HVDC	726	0.22 %
<b>Interconnection</b>	<b>1,061</b>	<b>0.32 %</b>
<b>Net Energy</b>	<b>333,204</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:	14:30:00 Hour
Total Set On Bus	17,226 MW
TNB Generation	3,922 MW
IPP Generation	11,898 MW
Spinning Reserve	1,362 MW
Maximum Demand	15,827 MW
Net Energy	333,204 MWH
Load Factor	87.72 %

### Fuel Cost

Total Cost:	56,160,056.93 RM
Cost per Unit	18.24 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	671
Hydro	543
Syncon	233
Thermal	113
<b>Total</b>	<b>1,560</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

### Gas Usage

Station	(mmscfd)
CBPS	20
GLGR	48
PGPS	28
SRDG	7
TJGS	219
<b>Total TNB</b>	<b>321</b>
CBPS	53
KLPP	91
MPSS	28
NPRI	78
PGLA	103
PLPS	87
SGB3	80
SGRI	80
YPKA	28
<b>Total IPP</b>	<b>630</b>
<b>Total Gas</b>	<b>950</b>
<b>Total Gas Required</b>	<b>950</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	13044	12425	11922	11657	11574	11517	11596	11948	12538	14083	14958	15450	15438	15112	15474	15648	15663	15329	14527	14889	15246	14888	14218	13644





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	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														
Total Hydro		1248	968	871	770	582	481	363	370	368	343	344	339	365	369	366	341	344	531	830	857	1092	1423	1590	1691	1682	1685	1681	1696	1783	1882	1875	1686	1606	1560	1468	1151	878	848	1376	1575	1728	1547	1528	1496	1380	1383	1356	1187			
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			
PCUF	CUFG	14	14	15	14	13	14	14	16	15	16	16	16	16	17	17	15	15	15	15	15	14	14	13	14	14	13	13	13	13	12	12	13	13	14	13	12	13	14	14	15	16	16	17	15	15	15	16				
PCUF	CUFK	29	32	32	32	33	32	30	32	31	32	32	33	31	34	33	34	33	34	32	33	32	32	32	32	30	32	32	34	32	32	34	32	34	32	34	32	32	32	29	32	32	33	33	32	30	31	31	31	3	-2	32
Total Co-Gen		43	46	47	46	46	46	44	48	46	48	49	47	51	50	49	48	49	47	48	46	46	45	46	44	45	45	47	45	44	46	45	47	46	45	45	41	45	46	47	48	48	46	48	46	46	18	13	48			
Total Gen		13076	12766	12479	12306	12002	11827	11755	11643	11605	11535	11536	11551	11674	11948	12049	12087	12518	13469	14145	14511	14971	15240	15468	15606	15480	15255	15180	15316	15517	15864	15694	15688	15692	15671	15380	14955	14562	14465	14939	15493	15279	15184	14987	14711	14290	13946	13721	13392			
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		
TIE-HVDC		31	30	30	30	30	30	30	30	30	31	31	30	30	30	31	31	29	29	31	31	31	31	30	30	30	30	30	31	31	30	31	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31			
TIE-PLTG		1	3	24	-17	50	-6	67	16	1	0	-12	-12	46	44	71	43	-50	-22	33	-25	-18	9	-13	-14	12	-3	38	15	12	6	15	7	-1	20	21	53	6	14	20	13	3	18	69	43	42	-15	46	-3			
Interconnection		32	33	54	13	80	24	98	46	31	31	19	18	78	74	101	74	-20	7	62	6	13	40	18	16	42	27	68	46	43	37	46	38	29	50	51	83	35	44	50	43	33	47	99	73	72	15	77	28			
System Total		13044	12733	12425	12293	11922	11803	11657	11597	11574	11504	11517	11533	11596	11874	11948	12013	12538	13462	14083	14505	14958	15200	15450	15590	15438	15228	15112	15270	15474	15827	15648	15650	15663	15571	15329	14872	14527	14421	14889	15450	15246	15137	14888	14638	14218	13931	13644	13364			
SRev ST-Coal		47	135	159	197	205	177	202	262	266	263	232	176	122	211	222	168	149	155	165	162	171	174	132	128	127	122	122	118	115	89	91	91	85	89	95	96	95	93	103	81	89	85	94	93	85	103	176	157			
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	-3	-3	-4	-5	-5	-4	-4	-4	-5	104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		1500	1201	1483	1614	1821	1923	1943	1764	1756	1819	1936	1973	1930	1612	1518	1553	1144	989	924	737	549	732	717	686	803	1037	1107	992	879	657	711	508	432	452	594	413	538	608	653	321	680	596	767	580	676	824	847	1050			
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	0	
SRev Co-Gen		14	11	10	11	11	11	13	9	11	9	9	8	10	6	7	8	9	8	10	9	11	11	12	11	13	12	12	10	12	13	11	12	10	11	12	16	12	11	10	9	9	11	9	11	11	39	44	9			
Syncon		460	548	1001	1001	1102	1102	1354	1354	1354	1354	1354	1203	1203	1203	1354	1354	1167	829	678	403	101	101	101	0	0	0	0	0	0	0	0	0	0	0	0	187	475	475	475	374	374	460	460	460	460	460	460	460	460		
Hydro		542	501	145	246	233	334	200	193	195	172	171	176	301	297	300	174	171	171	258	382	672	743	626	708	718	715	719	704	707	608	615	804	634	690	682	912	797	827	399	401	398	260	279	261	289	285	313	282			
S Reserve Total		2563	2396	2798	3069	3372	3547	3712	3582	3582	3617	3702	3687	3566	3329	3250	3257	2827	2490	2186	1968	1806	1758	1585	1630	1656	1881	1956	1820	1709	1362	1532	1415	1161	1242	1383	1624	1917	2014	1640	1186	1550	1412	1609	1405	1521	1712	1840	1983			