

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,369 MW
Hydro	2,475 MW
Distillate	0 MW
Total TNB	4,844 MW
Total IPP	14,538 MW
Total Co-Gen	57 MW
Total System	20,003 MW

### Generation Mix

Type	MWh	Percentage
Gas	42,778	12.87 %
Hydro	27,841	8.38 %
<b>Total TNB</b>	<b>70,619</b>	<b>21.24 %</b>
ST-Coal	165,571	49.81 %
Gas	95,434	28.71 %
<b>Total IPP</b>	<b>261,005</b>	<b>78.52 %</b>
Co-Gen	1,032	0.31 %
<b>Total Co-Gen</b>	<b>1,032</b>	<b>0.31 %</b>
<b>Total Generation</b>	<b>332,656</b>	<b>100.07 %</b>
PLTG	-398	-0.12 %
HVDC	637	0.19 %
<b>Interconnection</b>	<b>239</b>	<b>0.07 %</b>
<b>Net Energy</b>	<b>332,417</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	17,488 MW
TNB Generation	3,563 MW
IPP Generation	12,292 MW
Spinning Reserve	1,589 MW
Maximum Demand	15,896 MW
Net Energy	332,417 MWH
Load Factor	87.13 %

### Fuel Cost

Total Cost:	55,982,293.93 RM
Cost per Unit	18.36 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	789
Hydro	446
Syncon	341
Thermal	78
<b>Total</b>	<b>1,654</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
CBPS	5
GLGR	48
PAKA	15
PGPS	36
SRDG	4
TJGS	208
<b>Total TNB</b>	<b>316</b>
CBPS	51
KLPP	93
MPSS	35
NPRI	79
PGLA	108
PLPS	89
PTEK	3
SGB3	68
SGRI	56
SKSP	46
YPKA	27
<b>Total IPP</b>	<b>656</b>
<b>Total Gas</b>	<b>971</b>
<b>Total Gas Required</b>	<b>971</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	12512	11928	11609	11282	11051	10956	11174	11621	12380	14192	15157	15700	15584	15314	15629	15781	15739	15440	14629	15182	15280	15112	14424	14037





## 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																										
TMGR	HY01	31	31	31	32	31	31	31	31	32	31	31	31	32	31	32	30	32	60	62	62	61	60	58	31	77	81	81	77	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	62			
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	64	64	63	62	60	33	73	84	84	79	83	84	84	83	84	84	84	84	84	84	84	84	84	84	83	84	84	84	84	35		
TMGR	HY03	29	30	29	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	58	60	60	59	58	57	30	62	79	80	75	78	79	79	79	79	79	79	79	79	79	79	78	79	79	79	32					
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	61	61	60	60	58	31	58	81	81	76	80	81	81	81	81	81	81	81	81	81	81	81	81	80	81	81	81	61				
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	182	147	177	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0				
UJLI	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	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	7		
<b>Total Hydro</b>		<b>752</b>	<b>653</b>	<b>591</b>	<b>508</b>	<b>411</b>	<b>394</b>	<b>376</b>	<b>375</b>	<b>389</b>	<b>318</b>	<b>317</b>	<b>319</b>	<b>317</b>	<b>338</b>	<b>445</b>	<b>424</b>	<b>425</b>	<b>747</b>	<b>1084</b>	<b>1176</b>	<b>1426</b>	<b>1480</b>	<b>1500</b>	<b>1554</b>	<b>1523</b>	<b>1492</b>	<b>1323</b>	<b>1510</b>	<b>1531</b>	<b>1643</b>	<b>1626</b>	<b>1584</b>	<b>1625</b>	<b>1957</b>	<b>1813</b>	<b>1648</b>	<b>1568</b>	<b>1588</b>	<b>1614</b>	<b>1728</b>	<b>1709</b>	<b>1776</b>	<b>1742</b>	<b>1738</b>	<b>1665</b>	<b>1691</b>	<b>1689</b>	<b>1374</b>		
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
PCUF	CUFG	15	14	14	14	15	14	14	14	15	13	14	14	15	14	13	14	13	14	15	15	15	16	15	15	15	15	15	15	14	15	15	17	16	15	15	15	15	17	15	15	15	15	14	14	14	14				
PCUF	CUFK	29	29	29	29	28	28	29	28	28	28	29	28	27	30	29	29	30	30	27	30	28	29	27	26	29	29	28	28	28	28	28	28	28	27	29	29	28	29	28	29	28	28	28	28	28	30	27	27		
<b>Total Co-Gen</b>		<b>44</b>	<b>43</b>	<b>43</b>	<b>43</b>	<b>43</b>	<b>42</b>	<b>43</b>	<b>42</b>	<b>43</b>	<b>41</b>	<b>43</b>	<b>42</b>	<b>43</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>42</b>	<b>43</b>	<b>43</b>	<b>44</b>	<b>42</b>	<b>45</b>	<b>43</b>	<b>45</b>	<b>42</b>	<b>41</b>	<b>44</b>	<b>44</b>	<b>43</b>	<b>43</b>	<b>43</b>	<b>41</b>	<b>43</b>	<b>44</b>	<b>46</b>	<b>43</b>	<b>44</b>	<b>44</b>	<b>43</b>	<b>46</b>	<b>43</b>	<b>43</b>	<b>43</b>	<b>42</b>	<b>44</b>	<b>41</b>				
<b>Total Gen</b>		<b>12486</b>	<b>12181</b>	<b>11903</b>	<b>11703</b>	<b>11610</b>	<b>11435</b>	<b>11319</b>	<b>11138</b>	<b>11076</b>	<b>11000</b>	<b>11005</b>	<b>11037</b>	<b>11222</b>	<b>11463</b>	<b>11652</b>	<b>11855</b>	<b>12373</b>	<b>13495</b>	<b>14172</b>	<b>14772</b>	<b>15177</b>	<b>15400</b>	<b>15686</b>	<b>15722</b>	<b>15598</b>	<b>15398</b>	<b>15306</b>	<b>15603</b>	<b>15828</b>	<b>15899</b>	<b>15828</b>	<b>15812</b>	<b>15737</b>	<b>15837</b>	<b>15468</b>	<b>15084</b>	<b>14693</b>	<b>14671</b>	<b>15232</b>	<b>15502</b>	<b>15275</b>	<b>15253</b>	<b>15088</b>	<b>14923</b>	<b>14418</b>	<b>14250</b>	<b>14014</b>	<b>13742</b>		
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		-30	-29	-29	31	32	29	29	29	30	29	31	29	30	30	32	29	30	30	31	31	31	31	31	31	31	31	31	30	30	31	31	31	31	31	31	31	31	31	31	30	30	30	30	29	29	30	30	30		
TIE-PLTG		4	-31	4	22	-30	-46	7	25	-4	-4	20	-14	19	4	2	30	-37	-62	-49	-54	-10	-52	-45	-56	-17	-7	-39	23	-31	-27	17	-29	-34	10	-4	4	33	-16	20	-51	-35	-21	-53	-8	-35	-48	-53	-40		
Interconnection		-26	-60	-25	53	1	-17	37	54	25	26	49	18	48	36	31	60	-7	-30	-20	-24	20	-22	-14	-25	14	24	-8	53	-1	3	47	3	-2	41	28	34	64	14	50	-20	-5	8	-24	22	-6	-18	-23	-10		
<b>System Total</b>		<b>12512</b>	<b>12241</b>	<b>11928</b>	<b>11650</b>	<b>11609</b>	<b>11452</b>	<b>11282</b>	<b>11084</b>	<b>11051</b>	<b>10974</b>	<b>10956</b>	<b>11019</b>	<b>11174</b>	<b>11427</b>	<b>11621</b>	<b>11795</b>	<b>12380</b>	<b>13525</b>	<b>14192</b>	<b>14796</b>	<b>15157</b>	<b>15422</b>	<b>15700</b>	<b>15747</b>	<b>15584</b>	<b>15374</b>	<b>15314</b>	<b>15550</b>	<b>15629</b>	<b>15896</b>	<b>15781</b>	<b>15809</b>	<b>15739</b>	<b>15796</b>	<b>15440</b>	<b>15050</b>	<b>14629</b>	<b>14657</b>	<b>15182</b>	<b>15522</b>	<b>15280</b>	<b>15245</b>	<b>15112</b>	<b>14901</b>	<b>14424</b>	<b>14268</b>	<b>14037</b>	<b>13752</b>		
SRev ST-Coal		148	171	-35	200	82	218	222	213	268	247	276	252	268	265	241	169	180	74	46	39	38	119	144	14	65	89	103	83	85	92	87	96	107	92	77	81	92	77	84	73	80	77	83	73	76	141	156	146		
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	0
SRev CCGT-Gas		856	858	1090	1122	1258	1517	1612	1930	1962	1986	1953	1954	1752	1566	1210	1187	934	532	607	483	531	482	425	666	756	803	749	798	795	669	1016	986	786	616	828	889	1191	1245	704	559	759	854	976	1147	1368	1353	1332	914		
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		13	14	14	14	14	15	14	15	14	16	14	15	14	15	14	15	14	14	13	15	12	14	12	15	16	13	13	14	14	14	14	14	14	15	14	13	11	14	13	13	14	11	14	14	14	15	13	16		
Syncon		974	1100	1100	1201	1201	1352	1352	1352	1352	1352	1352	1352	1201	1100	1251	1251	1064	661	661	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	0	187	374	374	374	374	374	374	187	187	187	187	0	0		
Hydro		481	454	416	348	370	156	174	175	161	132	133	131	133	263	307	177	176	141	532	490	575	521	501	537	568	599	642	455	344	358	465	507	436	478	435	353	283	263	287	333	392	326	360	364	287	262	264	579		
S.Reserve Total		2472	2597	2585	2885	2950	3258	3374	3685	3757	3733	3728	3704	3519	3310	2872	2798	2556	1824	1861	1687	1532	1509	1459	1603	1777	1877	2009	1852	1737	1589	1977	1993	1730	1248	1617	1710	1951	1973	1462	1352	1619	1455	1620	1785	1932	1796	1790	1680		