

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,679 MW
Hydro	2,019 MW
Distillate	0 MW
<b>Total TNB</b>	<b>4,698 MW</b>
<b>Total IPP</b>	<b>16,191 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>21,461 MW</b>

### Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,214 MW
TNB Generation	2,713 MW
IPP Generation	15,231 MW
Spinning Reserve	1,235 MW
Maximum Demand	18,037 MW
Net Energy	375,718 MWH
Load Factor	86.79 %

### Gas Usage

Station	(mmscfd)
GLGR	51
SRDG	4
TJGS	214
<b>Total TNB</b>	<b>270</b>
CBPS	56
KLPP	99
NPRI	154
PGLA	113
PKLG	2
PLPS	96
PTEK	18
SGB3	44
SGRI	160
SKSP	36
YPKA	86
<b>Total IPP</b>	<b>863</b>
<b>Total Gas</b>	<b>1,133</b>
<b>Total Gas Required</b>	<b>1,133</b>

### Alternate Fuel Usage

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

### Generation Mix

Type	MWh	Percentage
Gas	37,890	10.08 %
Hydro	12,275	3.27 %
<b>Total TNB</b>	<b>50,165</b>	<b>13.35 %</b>
ST-Coal	199,537	53.11 %
Gas	125,714	33.46 %
<b>Total IPP</b>	<b>325,251</b>	<b>86.57 %</b>
Co-Gen	867	0.23 %
<b>Total Co-Gen</b>	<b>867</b>	<b>0.23 %</b>
<b>Total Generation</b>	<b>376,283</b>	<b>100.15 %</b>
PLTG	381	0.10 %
HVDC	184	0.05 %
<b>Interconnection</b>	<b>565</b>	<b>0.15 %</b>
<b>Net Energy</b>	<b>375,718</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	68,294,027.75 RM
Cost per Unit	18.76 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	327
Hydro	433
Syncon	363
Thermal	166
<b>Total</b>	<b>1,289</b>

### Time Weather Temperature

Afternoon	Hot	35
Morning	Cloudy	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	14907	14168	13679	13207	12956	12629	12894	13016	13609	15531	16386	17156	17143	16928	17481	17865	17998	17635	16298	16035	17248	17245	16806	16271





**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																								
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4																							
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																							
Total Hydro		355	357	332	332	335	333	334	315	314	312	311	313	336	335	314	313	320	317	342	321	420	575	669	941	807	519	482	677	862	1025	1144	945	935	878	793	474	487	399	396	503	687	653	675	610	526	320	225	224
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	
PCUF	CUFG	21	20	20	20	20	21	20	22	21	22	23	23	22	23	23	24	22	21	21	21	18	20	19	20	19	18	19	19	20	19	20	19	21	20	21	21	22	22	22	23	24	22	23	23	24			
PCUF	CUFK	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Total Co-Gen		36	35	35	35	35	36	35	37	36	37	38	38	37	38	38	38	39	37	36	36	36	33	35	34	35	34	35	34	35	34	35	34	35	34	36	35	36	36	37	37	37	38	39	37	38	38	39	
Total Gen		14896	14490	14165	13853	13727	13528	13216	13123	12931	12850	12664	12813	12933	13107	13100	12979	13647	14812	15572	16134	16392	16871	17169	17434	17212	16992	16927	17220	17514	17791	17819	17903	17944	17979	17669	16828	16377	15986	16100	17009	17294	17325	17273	17093	16863	16513	16295	16104
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	
TIE-HVDC		-29	-30	-30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	-99	-99	-99	-99	-98	-98	-98	29	32	29	29	31	29	29	29	29	32	31	31	31			
TIE-PLTG		19	30	26	49	18	66	-21	102	-55	19	6	2	9	0	54	44	7	-8	10	-8	-24	-51	-17	-6	38	-20	-32	50	2	46	53	38	45	40	132	-49	50	4	36	-46	14	23	-1	73	26	-46	-6	23
Interconnection		-11	0	-3	79	48	96	9	132	-25	49	35	32	39	30	84	74	38	22	41	22	6	-21	13	24	69	11	-1	80	33	-53	-46	-61	-54	-58	34	-148	79	35	65	-17	46	52	28	102	57	-16	24	54
System Total		14907	14490	14168	13774	13679	13432	13207	12991	12956	12801	12629	12781	12894	13077	13016	12905	13609	14790	15531	16112	16386	16892	17156	17410	17143	16981	16928	17140	17481	17844	17865	17964	17998	18037	17635	16976	16298	15951	16035	17026	17248	17273	17245	16991	16806	16529	16271	16050
SRev ST-Coal		150	194	233	309	97	95	110	119	91	88	104	114	102	103	107	94	101	313	207	152	169	157	154	183	165	171	170	159	191	142	173	153	177	170	190	162	210	155	152	150	151	165	167	139	155	151	156	153
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	56	9	14	45	16	16	46	88	198	40	38	39	38	2	20	78	49	0	0	0	0
SRev CCGT-Gas		606	749	575	720	722	922	1219	1286	1504	1627	1827	1675	1767	1509	1551	2007	1780	1168	619	446	346	396	265	240	348	233	263	228	198	183	321	207	261	208	370	492	847	1158	917	248	229	241	256	320	388	537	685	720
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	
SRev Co-Gen		9	10	10	10	9	10	8	9	8	7	7	7	7	7	6	8	9	9	9	12	10	11	10	11	10	11	10	11	10	11	10	11	10	11	9	10	9	9	8	8	8	7	6	8	7	7	6	
Syncon		660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	660	
Hydro		104	102	103	103	100	102	252	120	121	123	124	122	250	251	121	122	115	118	244	114	201	231	287	498	596	301	338	279	391	565	484	683	693	650	735	389	527	230	233	411	327	311	440	354	438	286	195	196
S.Reserve Total		1529	1715	1581	1802	1589	1788	2100	2193	2385	2506	2722	2578	2636	2379	2446	2890	2663	2265	1587	1381	1299	1282	1204	1235	1457	1291	1356	1222	1139	1066	1185	1220	1309	1235	1545	1739	1972	2079	1839	1344	1206	1234	1286	1357	1478	1470	1718	1750