

## Daily System Generation Summary on Wednesday

Wednesday, January 10, 2018

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,423 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,214 MW</b>
<b>Total IPP</b>	<b>15,115 MW</b>
<b>Total Co-Gen</b>	<b>67 MW</b>
<b>Total System</b>	<b>20,960 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	43,022	12.55 %
Hydro	12,661	3.69 %
<b>Total TNB</b>	<b>55,683</b>	<b>16.24 %</b>
ST-Coal	185,269	54.05 %
Gas	99,511	29.03 %
<b>Total IPP</b>	<b>284,780</b>	<b>83.08 %</b>
Co-Gen	1,373	0.40 %
<b>Total Co-Gen</b>	<b>1,373</b>	<b>0.40 %</b>
<b>Total Generation</b>	<b>341,836</b>	<b>99.72 %</b>
PLTG	-260	-0.08 %
HVDC	-698	-0.20 %
<b>Interconnection</b>	<b>-958</b>	<b>-0.28 %</b>
<b>Net Energy</b>	<b>342,794</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	17,383 MW
TNB Generation	3,011 MW
IPP Generation	12,996 MW
Spinning Reserve	1,319 MW
Maximum Demand	16,138 MW
Net Energy	342,794 MWH
Load Factor	88.51 %

### Fuel Cost

Total Cost:	61,867,376.61 RM
Cost per Unit	18.79 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	353
Hydro	412
Syncon	672
Thermal	136
<b>Total</b>	<b>1,573</b>

Time	Weather	Temperature
Afternoon	Cloudy	34
Morning	Cloudy	28

### Gas Usage

Station	(mmscfd)
GLGR	55
PGPS	37
TJGS	217
<b>Total TNB</b>	<b>309</b>
CBPS	52
KLPP	99
NPRI	159
PGLA	105
PLPS	90
PTEK	4
SGRI	84
YPKA	79
<b>Total IPP</b>	<b>672</b>
<b>Total Gas</b>	<b>981</b>

### Alternate Fuel Usage

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

**Total Gas Required 981**

### 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	13763	13028	12547	12315	12059	11854	12274	12449	12747	14350	15248	16043	15804	15408	15846	16049	16057	15732	14823	14891	15531	15188	14424	13884

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Daily MW Generation on Wednesday

Table with 24 columns representing hours from 0000 to 2300 and multiple rows for different power stations. Each cell contains a numerical value representing MW generation.

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																										
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29																										
TIE-PLTG		-21	0	-40	-11	-28	-47	-26	22	-23	-10	26	40	-6	29	68	22	-21	-74	9	-30	-65	-11	-36	-29	3	16	-29	4	-50	-45	-33	-24	-7	-44	-18	25	9	2	2	-19	-22	32	10	-6	9	5	-24	-57		
Interconnection		-50	-29	-69	-40	-57	-76	-55	-7	-52	-39	-3	11	-35	0	39	-8	-51	-103	-19	-58	-94	-40	-66	-59	-26	-12	-58	-25	-79	-74	-62	-53	-36	-73	-47	-5	-20	-27	-27	-48	-51	4	-19	-35	-20	-24	-53	-85		
System Total		13763	13343	13028	12802	12547	12445	12315	12092	12059	11979	11854	11993	12274	12529	12449	12370	12747	13920	14350	14933	15248	15715	16043	16057	15804	15438	15408	15569	15846	16138	16049	16010	16057	16037	15732	15286	14823	14793	14891	15414	15531	15321	15188	14986	14424	14223	13884	13594		
SRev ST-Coal		246	249	228	236	171	230	154	255	247	249	245	247	257	102	267	268	280	286	256	173	190	122	141	58	120	114	117	70	126	132	123	120	118	127	126	122	126	113	127	135	132	135	128	122	146	128	130	253		
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		890	964	1143	1038	1373	1414	1651	1835	1923	1988	2084	1947	1714	1555	1676	1786	1441	694	567	431	181	233	23	190	372	433	336	278	233	181	354	375	305	342	548	702	789	566	455	318	297	361	314	426	855	958	933	728		
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		8	9	9	9	9	7	10	10	10	7	7	7	7	9	6	7	7	10	12	11	9	12	10	12	11	11	11	14	10	9	11	9	12	11	11	10	11	8	10	11	12	12	10	12	10	10	11			
Syncon		1198	1198	1198	1198	1198	1198	1198	1198	1198	1198	1047	1047	1198	1198	1219	1349	1349	1349	1162	860	709	608	439	439	590	825	825	674	523	439	439	439	439	777	928	1079	1079	439	439	590	777	928	1079	1180	1264	1264				
Hydro		140	141	128	137	137	138	138	141	138	136	138	266	260	135	139	140	139	98	135	228	485	609	596	521	495	637	572	509	493	464	462	450	454	462	466	232	254	124	126	391	400	336	359	222	197	184	134	126		
S.Reserve Total		2482	2561	2706	2618	2888	2989	3148	3439	3516	3581	3672	3514	3285	3997	3289	3419	3216	2434	2317	2806	1727	1682	1380	1218	1438	1785	1861	1691	1548	1319	1396	1426	1362	1419	1590	1844	2107	1893	1795	1293	1279	1434	1590	1708	2289	2460	2471	2382		