

## Daily System Generation Summary on Wednesday

Wednesday, August 03, 2016

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,589 MW
Hydro	2,089 MW
Distillate	0 MW
<b>Total TNB</b>	<b>5,678 MW</b>
<b>Total IPP</b>	<b>14,831 MW</b>
<b>Total Co-Gen</b>	<b>25 MW</b>
<b>Total System</b>	<b>21,098 MW</b>

### Generation Mix

Type	MWh	Percentage
Gas	54,595	15.43 %
Hydro	13,223	3.74 %
<b>Total TNB</b>	<b>67,818</b>	<b>19.17 %</b>
ST-Coal	179,699	50.80 %
Gas	106,649	30.15 %
<b>Total IPP</b>	<b>286,348</b>	<b>80.95 %</b>
Co-Gen	319	0.09 %
<b>Total Co-Gen</b>	<b>319</b>	<b>0.09 %</b>
<b>Total Generation</b>	<b>354,485</b>	<b>100.21 %</b>
PLTG	29	0.01 %
HVDC	718	0.20 %
<b>Interconnection</b>	<b>747</b>	<b>0.21 %</b>
<b>Net Energy</b>	<b>353,738</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

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

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	18,228 MW
TNB Generation	3,531 MW
IPP Generation	13,153 MW
Spinning Reserve	1,531 MW
Maximum Demand	16,706 MW
Net Energy	353,738 MWH
Load Factor	88.23 %

### Fuel Cost

Total Cost:	46,183,335.65 RM
Cost per Unit	13.53 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	513
Hydro	329
Syncon	591
Thermal	184
<b>Total</b>	<b>1,617</b>

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	29

### Gas Usage

Station	(mmscfd)
CBPS	57
GLGR	31
PAKA	52
PGPS	48
SRDG	10
TJGS	213
<b>Total TNB</b>	<b>413</b>
CBPS	52
KLPP	93
MPSS	57
NPRI	146
PDPS	7
PGLA	110
PKLG	4
PLPS	90
PTEK	12
SGRI	181
SKSP	50
<b>Total IPP</b>	<b>803</b>
<b>Total Gas</b>	<b>1,215</b>

**Total Gas Required 1,215**

### 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	14560	13804	13251	12925	12660	12343	12529	12537	12764	14576	15405	16037	15986	15708	16214	16592	16665	16334	15107	14757	16017	15952	15482	15177

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**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
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
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	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Hydro		259	225	219	224	360	380	387	385	379	377	392	382	423	423	386	370	385	397	396	334	442	644	766	866
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
PCUF	CUFG	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PCUF	CUFK	14	14	14	14	13	12	14	13	13	14	13	14	13	14	15	14	13	13	14	15	13	14	13	13
Total Co-Gen		13	13	13	13	12	11	13	12	12	13	13	12	13	14	13	12	12	12	11	12	13	13	12	12
Total Gen		14587	14231	13871	13553	13284	13163	12944	12787	12712	12695	12389	12448	12561	12701	12529	12273	12745	13802	14552	14865	15384	15743	16039	16216
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
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	31	31	30	30	29	29	30	30	30	30	30	30	30	30
TIE-PLTC		-3	-17	36	-2	3	65	-11	19	22	7	16	39	1	-5	-38	-45	-48	-31	-54	-26	-51	-57	-28	
Interconnection		27	13	67	29	33	95	19	49	52	37	46	69	32	26	-8	-15	-19	-2	-24	4	-21	-26	2	
System Total		14560	14218	13804	13524	13251	13068	12925	12738	12660	12658	12343	12379	12529	12675	12537	12288	12764	13804	14576	14861	15405	15769	16037	16209
SRev ST-Coal		181	170	181	193	193	186	244	288	204	200	271	268	279	272	278	273	271	273	233	240	225	128	181	172
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
SRev CCGT-Gas		384	577	920	1231	1635	1782	1952	2062	2115	2135	2193	1903	1774	1618	1719	1963	1801	1070	976	655	570	401	411	432
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
SRev Co-Gen		12	12	12	12	13	14	12	13	13	12	12	13	12	13	12	11	12	13	13	12	11	13	12	13
Syncon		936	936	936	936	835	835	835	835	835	835	835	835	835	835	835	835	835	835	835	835	835	835	835	835
Hydro		125	180	166	161	126	106	99	101	107	109	94	104	214	214	100	116	101	89	89	151	429	511	389	289
S.Reserve Total		1639	1855	2215	2533	2802	2923	3142	3289	3274	3291	3405	3123	2963	2801	2945	3199	3018	2279	2297	2045	2071	1650	1585	1517