

## Daily System Generation Summary on Wednesday

Wednesday, October 25, 2017

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,695 MW
Hydro	1,843 MW
Distillate	0 MW
Total TNB	<u>4,538 MW</u>
Total IPP	<u>16,563 MW</u>
Total Co-Gen	<u>30 MW</u>
Total System	<u>21,131 MW</u>

### 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:	15:00:00 Hour
Total Set On Bus	18,743 MW
TNB Generation	3,585 MW
IPP Generation	13,948 MW
Spinning Reserve	1,182 MW
Maximum Demand	17,517 MW
Net Energy	367,699 MWH
Load Factor	87.46 %

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
CBPS	0	<b>Total</b>	<b>0</b>
GLGR	52		
PAKA	37		
PGPS	26		
SRDG	11		
TJGS	209		
<b>Total TNB</b>	<b>335</b>		
CBPS	53		
KLPP	91		
MPSS	48		
NPRI	73		
PLPS	85		
PTEK	9		
SGB3	54		
SGRI	111		
SKSP	29		
YPKA	78		
PKLG	2		
<b>Total IPP</b>	<b>632</b>		
<b>Total Gas</b>	<b>967</b>		
<b>Total Gas Required</b>	<b>967</b>		

### Generation Mix

Type	MWh	Percentage
Gas	44,746	12.17 %
Hydro	22,229	6.05 %
<b>Total TNB</b>	<b>66,975</b>	<b>18.21 %</b>
ST-Coal	210,930	57.36 %
ST-Gas	221	0.06 %
Gas	90,130	24.51 %
<b>Total IPP</b>	<b>301,281</b>	<b>81.94 %</b>
Co-Gen	731	0.20 %
<b>Total Co-Gen</b>	<b>731</b>	<b>0.20 %</b>
<b>Total Generation</b>	<b>368,987</b>	<b>100.35 %</b>
PLTG	561	0.15 %
HVDC	727	0.20 %
Interconnection	1,288	0.35 %
<b>Net Energy</b>	<b>367,699</b>	<b>100.00 %</b>

### Fuel Cost

Total Cost:	61,869,925.23 RM
Cost per Unit	16.69 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	638
Hydro	352
Syncon	334
Thermal	135
<b>Total</b>	<b>1,459</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

### 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	14788	14092	13574	13222	12804	12810	12829	12728	13287	15246	16204	16916	16931	16523	17047	17517	17473	16950	15828	15985	16638	16466	15947	15672

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, October 27, 2017 8:43:07 AM  
*(Gurcharan Singh)*  
 Pengurus Besar Kanan  
 Jabatan Sistem Operasi





### 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	HY02	35	35	35	35	33	33	32	35	36	35	36	35	35	35	85	85	85	85	85	81	62	34	36	35	36	36	36	33	36	36	36	-1	-1																		
TMGR	HY03	75	74	32	32	32	32	30	30	29	32	33	32	32	32	79	79	79	79	79	76	57	31	33	32	33	33	33	30	33	33	33	33	33																		
TMGR	HY04	80	80	32	33	33	33	31	30	29	33	33	33	33	33	80	80	80	80	80	78	59	31	34	33	33	34	34	31	34	34	34	34	34																		
UJLI	HY01	-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																	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	147	94	89	92	88	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																	
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	7	0	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7																	
Total Hydro		1053	998	863	804	831	804	782	764	763	830	808	840	841	845	829	753	788	974	1018	899	774	1012	1208	1271	1225	810	826	920	1029	1437	1355	1346	1347	1341	1212	967	657	570	805	937	937	934	883	809	687	687	649	649			
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	0	0	
PCUF	CUFG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	CUFK	31	28	27	28	27	29	28	28	29	29	29	29	30	30	29	28	28	28	28	28	27	29	29	29	29	28	28	27	29	29	28	28	28	28	28	28	28	28	28	39	40	39	37	35	37	38	39	40			
Total Co-Gen		31	28	27	28	27	29	28	28	29	29	29	29	30	30	29	28	28	28	28	28	27	29	29	29	29	28	28	27	29	29	28	28	28	28	28	28	28	28	39	40	39	37	35	37	38	39	40				
Total Gen		14828	14455	14125	13790	13607	13405	13326	13050	12881	12735	12842	12889	12885	13051	12772	12706	13350	14463	15233	15756	16240	16548	16941	17085	17031	16646	16614	16837	17089	17542	17561	17565	17509	17552	17074	16532	15909	15627	16063	16697	16666	16710	16530	16426	15983	15949	15661	15192			
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	30	31	31	31	30	30	30	31	31	30	30	31	31	29	29	30	30	30	30	31	31	31	31	31	30	30	30	30	30	30	31	30	30	30	30	30	30	31	31	30	30	30	30	31	31	30	30	31	31	
TIE-PLTC		10	40	3	-4	2	10	74	35	47	-12	2	-22	5	54	13	45	34	74	-43	33	14	30	-6	64	69	36	60	58	13	42	14	47	5	50	94	69	50	-24	48	-13	-2	-8	34	11	6	-18	-42	22			
Interconnection		40	70	33	26	33	42	104	65	77	18	32	9	36	85	44	76	63	103	-13	63	45	61	25	96	100	67	91	89	42	71	44	77	36	81	124	99	81	6	78	17	28	23	64	41	36	12	-11	53			
System Total		14788	14385	14092	13764	13574	13363	13222	12985	12804	12717	12810	12880	12829	12956	12728	12630	13287	14360	15246	15693	16204	16487	16916	16989	16931	16579	16523	16748	17047	17471	17517	17488	17473	17471	16950	16433	15828	15621	15985	16680	16638	16687	16466	16385	15947	15937	15672	15139			
SRev	ST-Coal	120	265	342	357	363	353	352	356	358	372	333	357	333	323	376	360	362	362	350	207	145	122	90	95	105	91	107	86	94	98	105	151	171	124	108	110	-13	117	124	123	119	126	121	126	126	112	118	112			
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	-4	8	7	72	34	27	135	136	139	137	141	324	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev	CCGT-Gas	1421	960	958	1090	1099	1289	1338	1598	1766	1962	1833	1792	1740	1573	1779	1881	1366	1038	1086	815	336	298	348	506	568	644	611	541	441	562	451	471	463	411	593	750	1185	1400	1192	702	738	683	815	698	801	776	806	992			
SRev	ST-Gas	37	37	36	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	-1	2	3	2	3	1	2	2	1	1	1	1	1	0	0	1	2	-1	2	2	2	0	1	2	1	1	1	2	0	2	2	3	1	1	1	2	2	18	17	18	20	22	20	19	18	17					
Syncon		374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374		
Hydro		216	271	406	465	438	465	487	505	506	439	461	429	428	424	440	516	481	295	251	470	595	457	262	198	244	552	543	499	440	219	301	310	302	315	344	352	285	372	387	430	455	458	459	357	253	253	203	203			
S.Reserve Total		2167	1909	2119	2319	2277	2482	2553	2835	3005	3148	3002	2953	2876	2694	2969	3131	2584	2071	2060	1868	1452	1253	1074	1170	1301	1694	1708	1535	1378	1201	1182	1260	1263	1179	1557	1587	1833	2265	2079	1647	1703	1659	1789	1703	1826	1786	1859	2038			