

Daily System Generation Summary on Sunday

Sunday, March 04, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,465 MW
Distillate	0 MW
Total TNB	<u>5,267 MW</u>
Total IPP	<u>15,383 MW</u>
Total Co-Gen	<u>62 MW</u>
Total System	<u>21,284 MW</u>

Generation Mix

Type	MWh	Percentage
Gas	35,627	11.35 %
Hydro	12,019	3.83 %
Total TNB	47,646	15.18 %
ST-Coal	183,976	58.63 %
Gas	81,505	25.98 %
Total IPP	265,481	84.61 %
Co-Gen	1,469	0.47 %
Total Co-Gen	1,469	0.47 %
Total Generation	314,596	100.26 %
PLTG	102	0.03 %
HVDC	720	0.23 %
Interconnection	822	0.26 %
Net Energy	313,774	100.00 %

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:	21:00:00 Hour
Total Set On Bus	16,458 MW
TNB Generation	2,965 MW
IPP Generation	11,924 MW
Spinning Reserve	1,507 MW
Maximum Demand	14,916 MW
Net Energy	313,774 MWH
Load Factor	87.65 %

Fuel Cost

Total Cost:	55,511,617.61 RM
Cost per Unit	18.35 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	292
Hydro	452
Syncon	748
Thermal	31
Total	1,523

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	204
Total TNB	255

CBPS	53
KLPP	85
NPRI	156
PGLA	107
SGRI	43
SKSP	1
YPKA	72
Total IPP	518

Total Gas 773

Total Gas Required 773

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	13765	13244	12799	12336	11934	11752	11817	11679	11097	11638	12408	13029	13054	13046	13447	13657	13793	13624	13177	13356	14746	14916	14723	14457

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

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																									
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		79	705	747	636	527	630	848	931	1187	1234	1333	1324	1347	1267	1410	1769	1964	1640	1435	1206	665	468	278	279	335	294	430	292	330	227	281	331	257	350	313	581	822	1020	909	420	227	282	267	275	300	393	491	551	
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	
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		953	953	1038	1139	1225	1225	1225	1225	1225	1225	1225	1351	1351	1351	1351	1351	1351	1200	1200	1200	1099	797	797	1049	1049	948	736	736	711	711	711	711	862	1164	1164	1164	928	928	500	500	500	500	626	626	928	1013			
Hydro		95	183	176	273	119	135	148	146	145	144	148	142	143	143	145	147	149	149	145	145	144	141	138	397	402	270	403	367	319	349	471	462	442	481	397	161	145	179	381	342	623	686	667	706	539	537	538	377	
S.Reserve Total		2028	1994	2141	2256	2031	2201	2372	2476	2733	2772	2892	2865	2882	2935	3085	3444	3643	3313	2957	2586	2037	1791	1462	1496	1549	1635	1890	1627	1457	1383	1498	1546	1443	1562	1600	1938	2164	2395	2251	1695	1385	1496	1507	1519	1501	1597	1783	1935	