

Daily System Generation Summary on Monday

Monday, January 15, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,746 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,253 MW
Total IPP	14,176 MW
Total Co-Gen	62 MW
Total System	20,055 MW

Generation Mix

Type	MWh	Percentage
Gas	41,288	13.23 %
Hydro	16,337	5.23 %
Total TNB	57,625	18.46 %
ST-Coal	168,071	53.85 %
Gas	85,187	27.29 %
Total IPP	253,258	81.14 %
Co-Gen	1,392	0.45 %
Total Co-Gen	1,392	0.45 %
Total Generation	312,275	100.05 %
PLTG	-493	-0.16 %
HVDC	641	0.21 %
Interconnection	148	0.05 %
Net Energy	312,127	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:	14:30:00 Hour
Total Set On Bus	16,336 MW
TNB Generation	3,210 MW
IPP Generation	11,697 MW
Spinning Reserve	1,372 MW
Maximum Demand	14,960 MW
Net Energy	312,127 MWH
Load Factor	86.93 %

Fuel Cost

Total Cost:	55,211,624.35 RM
Cost per Unit	18.65 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	464
Hydro	476
Syncon	540
Thermal	104
Total	1,584

Time	Weather	Temperature
Afternoon	Hot	30
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	55
PGPS	32
TJGS	210
Total TNB	296
CBPS	52
KLPP	89
NPRI	153
PGLA	105
PLPS	84
SGRI	47
YPKA	28
Total IPP	557
Total Gas	853
Total Gas Required	853

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	11433	10807	10551	10228	10111	10218	10749	11219	11716	13238	13880	14542	14361	14199	14591	14920	14880	14747	14058	14114	14873	14656	13953	13191

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Checked By: -Select Name-

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 (Gurcharan Singh)
 Pengurus Besar Kanan
 Jabatan Sistem Operasi

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																											
Interconnection		-129	-128	-105	-8	-22	-25	2	-15	12	-14	-27	-6	57	61	30	22	-87	-32	-69	-31	19	28	-42	-12	13	38	17	40	25	4	26	27	9	65	32	57	68	64	88	47	31	12	31	43	55	-3	15	11			
System Total		11433	11105	10807	10663	10551	10333	10228	10143	10111	10063	10218	10382	10749	11177	11219	11247	11716	12622	13238	13579	13880	14247	14542	14670	14361	14253	14199	14480	14591	14960	14920	14877	14880	14929	14747	14335	14058	13918	14114	14911	14873	14936	14656	14334	13953	13659	13191	12921			
SRev ST-Coal		385	365	336	230	384	376	381	381	382	375	368	376	389	385	386	384	371	324	259	244	246	205	261	46	44	51	59	46	59	51	46	63	38	37	41	78	13	25	43	30	32	78	95	49	84	168	187	245			
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	0
SRev CCGT-Gas		787	774	1066	966	1141	1363	1436	1532	1627	1713	1711	1556	1088	683	803	894	708	544	269	561	363	250	203	517	557	287	269	202	345	246	259	272	404	376	648	596	1004	1019	897	337	506	473	633	919	1020	810	1057	1017			
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	0	0
SRev Co-Gen		3	3	3	2	2	3	2	3	4	4	2	1	0	2	2	3	4	2	2	3	2	4	5	3	4	3	5	7	6	5	6	4	7	5	6	7	6	6	5	6	6	5	4	4	1	0	-1	1			
Syncon		1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1349	1198	1349	1198	1349	1162	1162	522	709	540	540	414	540	540	540	540	540	540	540	540	540	540	540	540	540	414	414	414	414	414	414	414	414	1139	1223	1223					
Hydro		146	143	148	145	141	142	143	145	147	146	143	268	143	265	136	267	136	277	272	484	392	416	415	413	382	729	812	636	385	530	539	548	547	539	548	542	506	514	520	470	488	533	518	548	559	213	164	159			
S.Reserve Total		2670	2634	2902	2692	3017	3233	3311	3410	3509	3587	3573	3399	2969	2533	2676	2746	2568	2309	1964	1814	1712	1415	1424	1393	1527	1610	1685	1431	1335	1372	1390	1427	1536	1497	1783	1763	2069	1978	1879	1257	1446	1503	1664	1934	2078	2330	2630	2645			