



Daily System Generation Summary on Monday

Monday, January 08, 2018

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,791 MW
Hydro	2,507 MW
Distillate	0 MW
Total TNB	5,298 MW
Total IPP	15,084 MW
Total Co-Gen	0 MW
Total System	20,946 MW

Generation Mix

Type	MWh	Percentage
Gas	41,439	12.08 %
Hydro	17,490	5.10 %
Total TNB	58,929	17.17 %
ST-Coal	182,295	53.13 %
Gas	99,250	28.93 %
Total IPP	281,545	82.05 %
Co-Gen	1,352	0.39 %
Total Co-Gen	1,352	0.39 %
Total Generation	341,826	99.62 %
PLTG	-688	-0.20 %
HVDC	-609	-0.18 %
Interconnection	-1,297	-0.38 %
Net Energy	343,123	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:	16:30:00 Hour
Total Set On Bus	17,814 MW
TNB Generation	3,657 MW
IPP Generation	12,761 MW
Spinning Reserve	1,340 MW
Maximum Demand	16,497 MW
Net Energy	343,123 MWH
Load Factor	86.66 %

Fuel Cost

Total Cost:	60,540,447.38 RM
Cost per Unit	18.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	386
Hydro	379
Syncon	667
Thermal	154
Total	1,586

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
GLGR	44
PGPS	31
TJGS	220
Total TNB	294
CBPS	55
KLPP	96
NPRI	154
PGLA	107
PLPS	90
PTEK	1
SGRI	73
YPKA	80
Total IPP	657
Total Gas	951

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 951

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	13214	12717	12245	11730	11506	11435	11887	11985	12587	14314	15152	15720	15701	15465	15951	16287	16383	16194	15078	14930	15950	15750	15247	14660

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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																										
PCUF	CUFG	29	29	28	25	24	24	24	25	24	26	25	26	26	25	25	26	25	25	23	23	22	21	23	21	22	22	20	20	21	20	22	21	21	22	22	22	22	23	25	24	23	23	24	23	23	25				
PCUF	CUFK	5	31	34	35	33	34	33	33	35	33	33	34	34	35	35	35	34	35	33	33	34	33	35	34	33	34	32	32	31	33	32	32	32	34	34	34	34	33	34	32	33	34	33	34	33	35	34	33		
Total Co-Gen		34	60	62	60	57	58	57	58	59	59	58	60	60	60	61	59	60	56	56	54	58	55	55	56	52	52	52	53	54	53	53	56	55	55	56	55	56	55	58	58	56	57	57	58	57	58				
Total Gen		13235	12848	12694	12356	12185	11911	11679	11592	11431	11367	11375	11563	11828	12093	11931	12035	12514	13623	14227	14663	15038	15370	15667	15786	15629	15519	15407	15657	15873	16303	16247	16334	16364	16474	16186	15672	15034	14774	14869	15882	15885	15831	15725	15592	15207	14949	14600	14347		
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		
TIE-HVDC		31	31	31	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-30	-30	-28	-28	-30	-30	-30	-30	-28	-28	-29	-29	-28	-28	-29	-29			
TIE-PLTG		-9	-74	-54	-27	-30	-23	-23	-45	-47	-39	-31	1	-30	3	-25	-35	-44	-74	-58	-48	-84	-68	-23	-47	-42	-3	-29	-40	-50	-16	-11	-21	10	7	22	21	-15	-60	-30	19	-37	-35	5	-16	-10	-41	-32	-40		
Interconnection		21	-43	-23	-56	-60	-52	-51	-73	-75	-67	-60	-27	-59	-25	-54	-64	-73	-103	-87	-78	-114	-98	-53	-76	-72	-32	-58	-68	-78	-46	-40	-50	-19	-23	-8	-8	-44	-91	-61	-10	-65	-64	-25	-46	-40	-69	-60	-69		
System Total		13214	12891	12717	12392	12245	11963	11730	11665	11506	11434	11435	11590	11887	12118	11985	12099	12587	13726	14314	14741	15152	15468	15720	15862	15701	15551	15465	15725	15951	16349	16287	16384	16383	16497	16194	15680	15078	14865	14930	15892	15950	15895	15750	15638	15247	15018	14660	14416		
SRev ST-Coal		67	155	168	183	285	343	347	540	592	592	597	584	586	570	573	642	404	327	281	242	221	190	123	120	122	125	128	129	150	135	181	178	62	130	133	129	128	126	132	135	138	149	127	124	131	123	132	145		
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		510	670	679	977	978	1155	1290	1125	1117	1192	1338	1179	952	948	959	861	921	367	451	497	351	377	269	213	398	426	431	226	171	205	248	194	363	384	417	425	673	807	677	420	513	557	593	480	511	605	640	867		
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
SRev Co-Gen		23	-3	-5	-3	0	-1	0	-1	-2	-2	-1	-3	-3	-3	-3	-4	-2	-3	1	1	1	3	-1	2	2	1	5	5	5	4	3	4	4	1	2	2	1	2	1	2	-1	-1	1	0	0	-1	0	-1		
Syncon		1011	1349	1349	1349	1349	1349	1349	1349	1349	1198	1198	1349	1349	1349	1349	1198	1198	1198	946	862	711	711	862	862	862	862	398	398	398	398	398	398	398	398	398	398	862	963	1064	1064	499	499	499	373	560	686	923	921	1072	
Hydro		340	127	127	117	102	139	140	139	139	137	174	304	263	128	172	162	149	146	247	263	244	360	370	436	406	335	323	362	430	476	454	429	405	389	578	328	619	547	487	292	246	245	336	399	494	430	356	219		
S.Reserve Total		1960	2298	2318	2623	2714	2985	3126	3152	3195	3268	3457	3262	3001	2997	3055	3015	2826	2191	2183	2201	2015	1876	1623	1482	1639	1749	1749	1584	1618	1218	1284	1203	1250	1340	1625	1746	2384	2546	2361	1348	1395	1449	1430	1563	1822	2080	2049	2302		