

Daily System Generation Summary on Monday

Monday, January 06, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,472 MW
Distillate	0 MW
Total TNB	2,472 MW
Total IPP	16,789 MW
Total Co-Gen	0 MW
Total System	22,084 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,837	2.45 %
Gas	34,539	9.57 %
Total TNB	43,376	12.01 %
ST-Coal	220,558	61.09 %
LSS	2,326	0.64 %
Gas	93,655	25.94 %
Total IPP	316,539	87.67 %
Co-Gen	230	0.06 %
Total Co-Gen	230	0.06 %
Total Generation	360,145	99.75 %
PLTG	-291	-0.08 %
HVDC	-609	-0.17 %
Interconnection	-900	-0.25 %
Net Energy	361,045	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	19,244 MW
TNB Generation	2,279 MW
IPP Generation	14,933 MW
Spinning Reserve	2,024 MW
Maximum Demand	17,254 MW
Net Energy	361,045 MWH
Load Factor	87.19 %

Fuel Cost

Total Cost:	57,918,845.27 RM
Cost per Unit	16.07 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	544
Hydro	203
Syncon	1,237
Thermal	161
Total	2,145

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	41
TJGS	202
Total TNB	243
CBPS	51
KLPP	61
NPRI	143
PGLA	104
PLPS	72
SGB3	33
SGRI	64
YPKA	39
Total IPP	567
Total Gas	810
Total Gas Required	810

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	14253	13537	13074	12630	12286	12156	12566	12565	13135	15106	15951	16582	16518	16212	16806	17194	17202	16868	15778	15636	16705	16570	16065	15532

Prepared By: -Select Name-

Checked By: -Select Name-

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(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Monday

[illegible]

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		
Total Co-Gen		10	11	9	8	10	9	9	9	9	10	9	11	10	12	11	9	13	11	11	11	13	8	11	7	8	8	12	11	4	9	11	8	11	8	10	9	7	8	9	8	11	12	12	9	10	9	9	7	
Total Gen		14239	13798	13517	13257	13027	12776	12572	12392	12265	12157	12085	12181	12515	12634	12542	12620	13083	14240	15036	15520	15886	16222	16481	16526	16489	16155	16136	16370	16808	17053	17135	17220	17128	17078	16829	16237	15723	15386	15635	16449	16654	16557	16508	16320	16012	15823	15465	15140	
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		30	30	30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-31	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-30				
TIE-PLTG		-32	-38	-38	9	-6	6	-17	-9	20	6	-30	-6	-9	5	18	11	-12	-17	-29	-55	-24	-36	-60	-6	12	-11	-35	-23	45	-1	-18	7	-32	-21	2	4	-14	-26	40	1	-10	-55	-20	-31	-12	-33	-27	28	
Interconnection		-2	-8	-8	-20	-35	-24	-46	-38	-9	-23	-59	-35	-39	-24	-11	-18	-40	-46	-58	-84	-53	-65	-89	-35	-17	-39	-64	-52	14	-30	-47	-22	-62	-50	-27	-25	-43	-56	11	-29	-39	-85	-50	-60	-41	-61	-55	-2	
System Total		14253	13818	13537	13289	13074	12812	12630	12442	12286	12192	12156	12228	12566	12670	12565	12650	13135	14298	15106	15616	15951	16299	16582	16573	16518	16206	16212	16434	16806	17095	17194	17254	17202	17140	16868	16274	15778	15454	15636	16490	16705	16654	16570	16392	16065	15896	15532	15154	
S.Rev ST-Coal		272	266	366	447	480	486	465	480	473	481	573	578	521	520	489	493	479	469	391	241	147	146	165	158	138	178	230	174	214	160	132	65	168	175	187	171	179	194	193	252	133	166	169	166	163	171	180	185	193
S.Rev 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	
S.Rev CCGT-Gas		514	573	585	575	601	827	1047	1365	1508	1590	1488	1589	1471	1386	1464	1562	1124	973	660	748	699	601	529	529	713	1162	1133	1020	642	473	505	440	529	471	670	1100	1308	1312	1080	415	301	388	442	417	580	730	926	1052	
S.Rev ST-Gas																																																		