

Daily System Generation Summary on Tuesday

Tuesday, July 28, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,336 MW
Distillate	0 MW
Total TNB	2,336 MW
Total IPP	18,105 MW
Total Co-Gen	0 MW
Total System	22,910 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,857	5.03 %
Gas	25,952	7.31 %
Total TNB	43,809	12.34 %
ST-Coal	233,539	65.77 %
LSS	2,181	0.61 %
Gas	75,607	21.29 %
Total IPP	311,327	87.68 %
Co-Gen	309	0.09 %
Total Co-Gen	309	0.09 %
Total Generation	355,445	100.11 %
PLTG	-335	-0.09 %
HVDC	722	0.20 %
Interconnection	387	0.11 %
Net Energy	355,058	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,050 MW
TNB Generation	2,490 MW
IPP Generation	14,240 MW
Spinning Reserve	1,286 MW
Maximum Demand	16,772 MW
Net Energy	355,058 MWH
Load Factor	88.21 %

Fuel Cost

Total Cost:	54,706,657.65 RM
Cost per Unit	15.39 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	507
Hydro	324
Syncon	670
Thermal	187
Total	1,688

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	45
TJGS	145
Total TNB	190
CBPS	48
NPRI	138
PGLA	107
PLPS	58
SGB3	32
SKSP	45
YPKA	21
Total IPP	450
Total Gas	641
Total Gas Required	641

Alternate Fuel Usage

Station	(mmcsfd)
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	14209	13547	13128	12703	12379	12307	12599	12768	13214	14914	15686	16283	16055	15911	16521	16707	16716	16223	15276	15125	16070	15927	15505	15100

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, August 05, 2020 12:43:19 PM

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

Daily MW Generation on Tuesday

[illegible]

Daily MW Generation on Tuesday

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Daily MW Generation on Tuesday

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		
TIE-HVDC		30	30	30	31	31	30	30	31	31	30	30	30	30	29	29	30	30	30	30	30	30	31	31	30	30	30	30	30	30	29	29	29	29	29	31	31	30	30	30	30	30	30	30	30	30	30			
TIE-PLTG		41	-12	-65	32	-22	2	-62	7	-7	-18	-29	-33	-36	29	-6	-37	1	-11	-4	-39	5	-22	0	12	-12	-7	-5	-38	-28	-31	17	-18	-59	12	26	-16	-35	-15	18	-44	-6	-12	-34	4	-17	-58	-6	-29	
Interconnection		71	18	-35	63	8	32	-31	37	24	13	1	-3	-6	58	24	-7	30	19	26	-10	34	9	32	42	18	23	25	-8	2	-1	46	12	-29	41	55	13	-6	16	49	-14	24	18	-3	34	13	-27	25	1	
System Total		14209	13707	13547	13253	13128	12854	12703	12500	12379	12322	12307	12395	12599	12715	12768	12646	13214	14263	14914	15390	15686	16087	16283	16344	16055	16031	15911	16281	16521	16772	16707	16699	16716	16641	16223	15719	15276	14967	15125	15845	16070	16058	15927	15784	15505	15384	15100	14659	
SRev ST-Coal		425	499	503	511	502	617	629	628	678	660	664	675	662	673	670	617	618	522	288	214	181	191	180	185	185	199	184	190	182	178	192	183	171	180	189	194	250	239	178	162	168	176	180	173	164	168	163	373	
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		
SRev CCGT-Gas		1271	1686	1819	1965	1868	1863	1862	1913	1899	1875	1774	1666	1642	1689	1708	1876	1540	1010	1026	915	754	426	353	383	438	367	362	460	401	229	464	342	335	321	584	800	1020	1258	1039	554	471	479	624	513	587	739	962	1039	
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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		977	977	977	977	977	977	977	977	977	826	977	977	513	851	983	1128	1128	1128	1002	815	815	628	628	941	977	1128	815	628	477	326	513	513	815	941	1128	1128	1128	815	477	477	477	628	941	941	941	941	941		
Hydro		164	112	98	128	111	108	105	113	116	108	237	104	167	453	269	214	215	148	137	85	183	176	269	287	235	288	247	244	285	403	550	525	529	515	231	269	114	114	114	269	418	422	422	287	208	190	204	233	
S.Reserve Total		2837	3274	3397	3581	3458	3565	3573	3631	3670	3620	3501	3422	3448	3328	3498	3690	3501	2808	2579	2216	1933	1608	1430	1483	1799	1831	1921	1709	1496	1287	1532	1563	1548	1529	1819	2204	2512	2739	2459	1800	1534	1554	1703	1601	1900	2038	2270	2586	