

Daily System Generation Summary on Saturday

Saturday, July 11, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,297 MW
Distillate	0 MW
Total TNB	2,297 MW
Total IPP	16,096 MW
Total Co-Gen	0 MW
Total System	21,216 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,863	2.40 %
Gas	33,858	10.32 %
Total TNB	41,721	12.71 %
ST-Coal	221,533	67.51 %
LSS	2,063	0.63 %
Gas	61,112	18.62 %
Total IPP	284,708	86.76 %
Co-Gen	521	0.16 %
Total Co-Gen	521	0.16 %
Total Generation	326,950	99.64 %
PLTG	-497	-0.15 %
HVDC	-695	-0.21 %
Interconnection	-1,192	-0.36 %
Net Energy	328,142	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:	20:30:00 Hour
Total Set On Bus	16,560 MW
TNB Generation	2,478 MW
IPP Generation	12,522 MW
Spinning Reserve	1,554 MW
Maximum Demand	15,032 MW
Net Energy	328,142 MWH
Load Factor	90.96 %

Fuel Cost

Total Cost:	45,980,544.09 RM
Cost per Unit	14.06 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	556
Hydro	198
Syncon	1,186
Thermal	354
Total	2,294

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	47
TJGS	198
Total TNB	244
CBPS	50
NPRI	147
PGLA	102
PLPS	1
SGB3	53
Total IPP	353
Total Gas	598
Total Gas Required	598

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	14178	13712	13095	12804	12505	12365	12283	12089	11850	12917	13734	14218	14199	13991	14431	14528	14332	14138	13751	13925	15029	14850	14432	14249

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, August 04, 2020 1:48:01 PM

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

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Daily MW Generation on Saturday

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
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNRG	HY03	25	25	25	26	25	25	25	25	26	25	25	26	26	26	26	25	25	25	25	25	25	25	25	25
KNYR	HY01	99	98	98	98	97	59	59	59	58	59	57	56	57	59	58	53	56	61	61	63	62	61	61	61
KNYR	HY02	97	97	97	97	97	59	59	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	98	-1	-1	-1	-1	-1
KNYR	HY04	99	98	97	97	14	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	99
LPIA	HY01	15	15	15	15	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
LPIA	HY02	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	25	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	43	42	43	47	42	44	45	44	43	44	44	45	43	45	42	29	33	33	33	33	33	33	33	33
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	3	4	4	3	3	5	5	4	4	3	3	4	4	3	3	3	3	3	3	3	3
Total Hydro		445	432	432	436	346	258	258	196	216	198	194	194	193	198	194	200	184	188	189	192	192	273	273	211
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total 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
PCUF	CUFG	28	4	4	5	4	3	3	3	4	4	5	3	3	4	3	5	3	4	3	3	2	5	3	3
PCUF	CUFK	32	4	3	4	3	3	3	3	4	4	4	3	2	2	3	5	3	1	4	1	3	2	2	2
Total Co-Gen		60	8	7	9	7	6	6	6	8	8	9	8	7	8	6	5	7	6	9	5	6	10	7	2
Total Gen		14121	13830	13601	13344	13041	12909	12741	12622	12448	12419	12304	12277	12233	12067	11783	11786	12494	12860	13419	13670	14028	14175	14355	14132
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
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-21	-73	-75	-58	-18	-65	-27	-23	-21	-29	-25	-37	-11	-27	15	-4	-28	-33	-21	-38	-28	-33	-7	20
Interconnection		-50	-102	-104	-87	-47	-94	-56	-52	-50	-58	-54	-66	-39	-55	-15	-34	-57	-61	-50	-68	-57	-62	-36	-9
System Total		14178	13939	13712	13438	13095	13010	12804	12681	12505	12484	12365	12230	12283	12295	12089	11824	11850	12562	12917	13494	13734	14097	14218	14371

Daily MW Generation on Saturday

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 ST-Coal		253	335	427	398	395	392	390	389	392	394	402	388	393	405	519	515	518	410	408	391	394	382	403	390	393	393	392	380	384	394	379	394	386	397	396	397	381	386	240	239	238	242	230	260	259	243	285	
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			
SRev CCGT-Gas		745	496	557	818	1030	1070	1238	1300	1501	1503	1618	1633	1680	1693	1831	1875	1780	1215	1178	632	465	678	602	434	677	808	865	687	535	445	305	421	495	456	597	703	830	871	673	406	301	281	350	397	576	559	542	724
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			
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			
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			
Syncon		1128	1128	1128	1128	1128	1229	1229	1330	1179	1330	1330	1330	1330	1330	1330	1179	1330	1330	1330	1330	1229	1229	1330	1330	1179	1330	1179	1229	1229	1330	1330	1330	1330	1179	1330	1330	1330	1330	1128	827	827	676	1054	1092	1243	1243	1229	
Hydro		91	94	94	90	180	167	167	128	259	126	130	130	131	126	130	275	140	136	135	132	132	176	176	137	139	269	126	254	125	140	133	137	166	292	164	164	163	147	143	100	208	209	491	247	292	112	172	149
S.Reserve Total		2217	2053	2206	2434	2733	2883	3051	3173	3353	3351	3472	3495	3529	3542	3696	3848	3765	3224	3078	2527	2343	2502	2414	2329	2536	2649	2714	2512	2269	2198	2162	2267	2385	2313	2488	2593	2720	2729	2532	1874	1575	1555	1759	1928	2220	2173	2200	2387