

Daily System Generation Summary on Saturday

Saturday, June 5, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,240 MW
Distillate	0 MW
Total TNB	2,240 MW
Total IPP	15,744 MW
Total Co-Gen	0 MW
Total System	22,255 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,631	4.28 %
Gas	72,338	22.70 %
Total TNB	85,969	26.97 %
ST-Coal	182,863	57.37 %
LSS	3,014	0.95 %
Gas	47,933	15.04 %
Total IPP	233,810	73.36 %
Co-Gen	167	0.05 %
Total Co-Gen	167	0.05 %
Total Generation	319,946	100.38 %
PLTG	499	0.16 %
HVDC	721	0.23 %
Interconnection	1,220	0.38 %
Net Energy	318,726	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:	21:00:00 Hour
Total Set On Bus	16,048 MW
TNB Generation	4,422 MW
IPP Generation	10,459 MW
Spinning Reserve	1,160 MW
Maximum Demand	14,806 MW
Net Energy	318,726 MWH
Load Factor	89.70 %

Fuel Cost

Total Cost:	48,182,970.22 RM
Cost per Unit	15.06 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	170
Hydro	267
Syncon	718
Thermal	549
Total	1,704

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	51
SRDG	2
TJGS	215
Total TNB	268
CBPS	55
NPRI	160
PGLA	1
Total IPP	216
Total Gas	484
Total Gas Required	484

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	14505	13925	13396	12939	12548	12162	12010	11689	11373	12011	12485	12898	12986	13107	13502	13712	13825	13677	13335	13674	14776	14806	14676	14589

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 5, 2021 5:20:38 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

[illegible]

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																									
KNYR	HY02	58	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	103	59	59	62	61	60	60	59	59	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	100	98	98	100	100	100	100	100									
KNYR	HY04	58	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	102	102	99	99	100	101	102	102	102										
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	24	22	23	23	23	23	23	23	23											
LPIA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22										
MNOR	HY01	2	2	2	2	2	2	3	3	3	3	3	3	3	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	6	6	6	6	6	6	6									
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
PGAU	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
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	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	50	50	50	50	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30										
SIHY	HY03	50	50	50	0	0	0	0	0	0	0	0	0	30	50	50	49	50	50	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30										
SYPS	HY01	17	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17										
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17										
SYPS	HY03	17	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17										
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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1											
TMGR	HY02	44	53	44	45	75	44	53	85	55	52	44	52	54	76	87	44	44	63	45	55	49	49	44	42	42	50	43	50	45	51	45	52	44	44	44	44	44	44	44										
TMGR	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0											
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	100	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												
UPIA	HY02	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7											
Total Hydro		477	427	328	285	344	280	323	356	326	302	279	310	323	376	688	504	503	573	526	486	475	455	387	390	413	392	417	378	422	387	517	545	546	508	350	351	349	453	1148	1365	1257	1246	1203	1207	1222	1156	923		
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
BKLS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
BSLS	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	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	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
KRLS	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
STLS	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TBLS	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
PCUF	CUFG	4	4	3	4	4	4	5	3	4	6	3	3	3	2	3	4	3	3	4	4	4	4	3	4	3	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	2	4				
PCUF	CUFK	4	4	4	4	3	5	3	3	3	3	3	3	3	2	3	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
Total Co-Gen		8	8	7	8	7	9	10	6	7	9	6	6	6	6	4	6	8	7	5	8	8	7	11	7	7	7	5	6	8	4	8	8	7	6	7	7	7	7	8	11	6	7	4	7	6	6	8	4	6
Total Gen		14597	14248	14002	13661																																													

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																								
System Total		14505	14195	13925	13619	13396	13120	12939	12735	12548	12375	12162	12078	12010	11924	11689	11339	11373	11708	12011	12291	12485	12717	12898	13020	12986	13019	13107	13322	13502	13633	13712	13836	13825	13806	13677	13487	13335	13342	13674	14593	14776	14788	14806	14726	14676	14682	14589	14383
SRev ST-Coal		190	405	454	603	604	753	769	771	775	774	782	778	775	779	817	805	824	835	848	847	832	827	694	594	533	658	624	549	481	505	485	541	438	448	483	497	561	550	377	341	347	347	267	299	273	275	295	278
SRev CCGT-Gas		324	408	227	209	180	192	187	175	186	179	189	189	190	351	545	708	736	492	193	193	189	200	199	336	266	126	177	126	152	120	140	114	148	152	116	156	132	134	115	96	124	119	137	112	107	101	121	113
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		
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		
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	83	3	37	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	
Syncon		825	926	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	1027	588	926	926	926	926	926	926	926	926	1027	1027	1027	1027	753	753	753	839	502	652	652	652	940	940	940	753	277	277	277	277	277	277	277	277	277
Hydro		219	118	116	109	50	114	71	38	68	92	115	84	71	68	255	176	177	107	154	176	194	205	225	192	189	166	187	211	250	206	155	212	284	283	321	191	190	192	275	394	477	435	446	490	486	471	387	395
S.Reserve Total		1558	1857	1824	1948	1861	2086	2054	2011	2056	2072	2113	2078	2063	2225	2205	2615	2663	2360	2121	2142	2141	2158	2044	2149	2015	1977	2015	1639	1636	1584	1619	1369	1522	1535	1572	1784	1823	1816	1520	1108	1308	1181	1164	1178	1143	1124	1080	1063