

Daily System Generation Summary on Sunday

Sunday, May 16, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	16,909 MW
Total Co-Gen	0 MW
Total System	22,832 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,921	3.70 %
Gas	54,994	17.09 %
Total TNB	66,915	20.79 %
ST-Coal	181,348	56.35 %
LSS	3,254	1.01 %
Gas	70,390	21.87 %
Total IPP	254,992	79.23 %
Co-Gen	165	0.05 %
Total Co-Gen	165	0.05 %
Total Generation	322,072	100.07 %
PLTG	-491	-0.15 %
HVDC	722	0.22 %
Interconnection	231	0.07 %
Net Energy	321,841	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	16,801 MW
TNB Generation	3,531 MW
IPP Generation	12,216 MW
Spinning Reserve	1,045 MW
Maximum Demand	15,777 MW
Net Energy	321,841 MWH
Load Factor	85.00 %

Fuel Cost

Total Cost:	45,440,104.20 RM
Cost per Unit	14.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	215
Hydro	240
Syncon	557
Thermal	503
Total	1,515

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	54
TJGS	212
Total TNB	266
CBPS	55
NPRI	159
PGLA	9
PLPS	28
SKSP	3
YPKA	1
Total IPP	254
Total Gas	520

Total Gas Required 520

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	14330	13709	13233	12696	12337	12075	11941	11604	11177	11786	12398	12976	12975	13153	13649	13891	14028	13956	13663	14232	15562	15777	15367	15109

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 9:54:25 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

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
HTRG	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
KNRG	HY01	36	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	36	36	36
KNRG	HY02	37	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	37	37	37
KNRG	HY03	36	36	25	25	25	25	25	25	25	25	25	26	25	26	25	26	25	25	25	26	36	36	36	36
KNYR	HY01	100	99	98	98	98	98	98	98	-1	-1	-1	-1	-1	-1	102	-1	-1	-1	-1	-1	100	100	100	100
KNYR	HY02	59	60	85	70	58	58	96	59	74	58	69	63	58	57	95	70	98	96	94	100	102	102	98	94
KNYR	HY03	-1	-1	53	53	53	53	52	53	53	52	52	52	-1	-1	-1	-1	-1	-1	-1	-1	101	101	99	99
KNYR	HY04	59	100	98	98	99	98	98	98	98	98	0	0	0	0	0	0	0	0	0	0	102	102	101	99
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
MNOR	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
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	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
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	47	31
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	48	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	50	50	50	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	17	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	34	35	0	45
TMGR	HY02	43	44	43	44	43	44	43	44	43	44	44	44	47	43	44	50	88	85	43	61	48	44	54	70
TMGR	HY03	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
TMGR	HY04	30	31	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	68
UPIA	HY01	5	6	6	6	6	5	5	5	6	6	6	5	6	6	6	5	5	5	5	5	5	5	6	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		545	516	497	482	471	468	507	470	487	471	380	277	273	229	258	232	264	257	255	268	308	306	232	279
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
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
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
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
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
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
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
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
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	4	3	3	4	3	4	3	4	4	2	3	2	4	3	3	3	4	4	3	3	3	3	4	4
PCUF	CUFK	3	4	3	3	4	3	4	3	4	3	2	4	5	4	3	3	2	4	3	0	5	3	4	4

Daily MW Generation on Sunday

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		7	7	6	7	7	7	7	7	8	5	5	6	9	7	6	6	9	7	8	7	6	7	6	5	9	5	8	7	3	8	6	7	7	9	8	7	8	5	9	7	9	5	9	6	6	7	6	8
Total Gen		14334	13996	13689	13399	13210	12951	12663	12468	12323	12166	12056	11929	11924	11879	11591	11223	11139	11592	11790	11984	12372	12655	12961	13039	12965	13087	13145	13649	13705	13853	13962	14008	14054	14099	14000	13812	13721	13784	14182	15280	15633	15709	15756	15600	15399	15263	15076	14874
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		
TIE-HVDC		31	31	30	30	30	30	29	29	30	30	30	30	30	30	30	30	30	30	30	29	29	31	31	31	31	29	29	31	31	30	30	30	30	30	30	29	29	31	31	30	30	30	30	30	30	29	29	
TIE-PLTG		-20	-56	-43	-36	-46	-15	-55	-40	-37	-6	-42	-62	-40	-4	-36	-48	-61	-10	-19	-55	-48	-81	-39	-42	-34	-11	-31	27	32	22	48	31	3	-10	20	-22	36	1	-74	38	49	-2	-45	-41	8	-49	-56	18
Interconnection		11	-26	-13	-6	-16	16	-26	-11	-7	24	-12	-32	-10	25	-6	-18	-31	20	11	-24	-19	-52	-8	-12	-3	20	-1	57	63	53	78	61	33	20	51	8	65	30	-43	69	78	28	-14	-11	39	-19	-26	47
System Total		14330	14029	13709	13412	13233	12942	12696	12486	12337	12149	12075	11968	11941	11861	11604	11248	11177	11579	11786	12015	12398	12714	12976	13058	12975	13074	13153	13599	13649	13807	13891	13954	14028	14086	13956	13811	13663	13761	14232	15218	15562	15688	15777	15618	15367	15289	15109	14834
SRev ST-Coal		285	485	526	601	629	600	743	733	726	733	738	723	737	736	919	1017	1116	1082	1034	962	807	761	755	768	768	759	760	552	567	608	526	569	618	601	660	538	476	442	337	162	158	145	170	162	172	154	163	153
SRev CCGT-Gas		244	361	324	159	208	185	142	196	155	188	202	245	244	244	312	454	492	154	133	125	101	90	142	133	129	235	226	237	262	225	299	232	176	173	292	581	945	956	784	390	190	179	180	245	351	439	384	420
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	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		
Syncon		504	504	490	490	490	490	490	490	490	591	591	591	541	692	692	692	692	692	692	692	692	692	692	692	692	692	692	591	692	692	692	692	692	692	692	692	692	692	692	403	252	252	252	403	403	403	403	403
Hydro		305	200	153	168	179	182	143	180	163	179	169	172	176	270	90	116	84	91	93	80	40	42	116	69	117	127	107	125	129	250	126	130	198	209	181	100	132	129	44	251	563	510	444	388	442	173	238	351
S.Reserve Total		1338	1550	1493	1418	1506	1457	1518	1599	1534	1590	1700	1731	1748	1791	2013	2279	2384	2019	1952	1859	1640	1585	1705	1662	1706	1813	1785	1505	1650	1624	1643	1623	1684	1675	1825	1911	2245	2219	1857	1206	1163	1086	1046	1198	1368	1169	1188	1327