

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,515 MW
Distillate	0 MW
Total TNB	2,515 MW
Total IPP	16,324 MW
Total Co-Gen	0 MW
Total System	22,264 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,313	6.40 %
Gas	49,791	14.27 %
Total TNB	72,104	20.67 %
ST-Coal	208,061	59.63 %
LSS	3,541	1.01 %
Gas	63,866	18.30 %
Total IPP	275,468	78.95 %
Co-Gen	1,652	0.47 %
Total Co-Gen	1,652	0.47 %
Total Generation	349,224	100.09 %
PLTG	-411	-0.12 %
HVDC	726	0.21 %
Interconnection	315	0.09 %
Net Energy	348,909	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:	16:00:00 Hour
Total Set On Bus	17,597 MW
TNB Generation	4,220 MW
IPP Generation	12,254 MW
Spinning Reserve	1,053 MW
Maximum Demand	16,513 MW
Net Energy	348,909 MWH
Load Factor	88.04 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	446
Hydro	379
Syncon	417
Thermal	234
Total	1,476

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	35
SRDG	2
TJGS	162
Total TNB	199
CBPS	49
NPRI	142
PGLA	39
Total IPP	230
Total Gas	429
Total Gas Required	429

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	14147	13540	12957	12504	12119	11960	11925	12146	12537	14101	14809	15336	15367	15417	15984	16391	16513	16246	15229	15048	16362	16384	15958	15610

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, March 5, 2021 3:47:51 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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
KNRG	HY01	36	36	36	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	36	36
KNRG	HY02	37	37	37	0	0	0	0	0	0	0	0	0	0	0	38	38	38	38	37	37	37	38	37	37
KNRG	HY03	36	36	36	38	38	38	38	38	38	38	38	38	36	36	36	36	36	36	36	36	36	36	36	36
KNYR	HY01	100	100	100	100	100	100	100	100	60	60	60	60	100	100	100	100	100	100	100	100	102	101	100	101
KNYR	HY02	102	101	101	101	102	102	101	101	101	60	60	60	102	101	102	102	102	102	102	103	102	101	102	102
KNYR	HY03	99	99	99	99	99	99	99	99	99	56	55	55	101	101	101	101	101	101	101	101	103	102	101	101
KNYR	HY04	100	100	100	100	100	100	100	100	60	60	60	60	100	100	100	100	100	100	100	100	102	101	101	101
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16
MNOR	HY01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	4	4	4	4	6	6	6	3
PGAU	HY01	20	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	80	81	53
PGAU	HY02	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	75	82	82
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
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
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
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	85	-1	85	82	81	84	84	82	82
TMGR	HY02	46	45	46	45	45	54	45	45	47	46	48	84	78	69	58	46	79	47	47	74	46	45	44	46
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
TMGR	HY04	61	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	84	33	86	83	82	85	86	85	86
UJLI	HY01	27	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	-1	-1	-1	-1	-1	122	126	127	133
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	126	113
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7
Total Hydro		826	704	660	566	567	576	568	565	568	567	489	441	435	426	583	569	614	675	696	703	697	957	947	731
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	1	4	9	13	17	20	22	24	26	27
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	13	17	21	25	30	30	30	30
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	16	21	25	28	30	30	30
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	16	22	30	34	38	41	44	48
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	13	13	13	13	13	13	13	34
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	15	22	29	35	40	43	48	50
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	17	20	27	35	40	41	47	50
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	14	21	27	32	37	40	43	45
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	16	20	25	28	30	30	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	22	28	26	44	43	31	39	46
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	16	26	34	42	47	51	53	17
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	14	21	27	32	34	37	39	41
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	13	18	22	8	20	20	13
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	97	175	244	306	380	403	431	462	458
PCUF	CUFK	50	38	40	39	38	41	39	39	38	39	41	39	40	39	37	39	39	39	39	39	39	39	39	39
PCUF	CUFG	29	29	30	29	29	28	30	30	28	29	30	26	31	32	27	29	29	30	28	26	28	29	30	28
Total Co-Gen		79	67	70	68	67	69	69	66	68	71	65	71	72	68	67	68	69	70	67	63	67	68	69	68
Total Gen		14125	13803	13501	13195	12965	12721	12514	12220	12112	12041	11906	11836	11911	11957	12110	12273	12523	13458	14082	14462	14788	15101	15336	15464
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

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																									
TIE-HVDC		31	30	30	30	30	31	31	30	30	31	29	31	29	31	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29												
TIE-PLTG		-50	-14	-66	-56	-19	-31	-18	-49	-34	3	-79	-60	-40	-81	-64	-27	-42	-5	-46	-49	-47	-46	-29	-47	-54	-14	53	32	-20	33	24	52	4	54	34	-2	19	-30	4	-17	43	16	-23	-14	-26	18	-19	7	
Interconnection		-19	16	-36	-26	11	-1	13	-19	-4	34	-51	-29	-11	-50	-33	4	-11	26	-16	-18	-18	-17	3	-18	-24	17	83	62	10	64	54	82	34	84	64	29	50	1	35	13	73	47	7	16	4	48	11	36	
System Total		14147	13790	13540	13224	12957	12725	12504	12242	12119	12010	11960	11868	11925	12010	12146	12272	12537	13435	14101	14483	14809	15121	15336	15485	15367	15405	15417	15701	15984	16287	16391	16411	16513	16474	16246	15816	15229	15018	15048	15763	16362	16415	16384	16162	15958	15756	15610	15324	
SRev ST-Coal		119	227	416	411	403	404	413	410	405	408	448	453	454	403	393	414	399	278	186	234	234	243	247	244	239	241	233	242	230	238	239	233	231	232	223	248	235	244	237	226	246	251	244	220	239	254	226	240	
SRev CCGT-Gas		194	278	212	408	649	735	1113	1409	1515	1581	1567	1526	1542	1552	1359	1189	1182	943	887	756	719	695	686	636	873	1053	566	388	250	207	202	171	216	237	212	685	855	830	301	293	284	281	283	289	271	269	174		
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	
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	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	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		400	674	825	976	976	976	976	976	976	976	976	976	976	976	976	976	976	976	825	976	825	615	802	889	802	802	802	802	500	313	313	126	126	0	126	802	889	889	889	702	0	126	126	126	313	126	126	126	
Hydro		532	381	226	89	88	79	87	90	87	88	166	214	220	229	72	86	41	108	238	80	237	187	96	225	122	101	104	90	300	386	487	576	530	712	751	397	476	517	446	213	444	362	451	563	465	354	488	528	
S.Reserve Total		1245	1560	1679	1884	2116	2194	2589	2885	2983	3053	3157	3169	3192	3150	2993	2835	2605	2544	2192	2177	2052	1764	1840	2044	1799	2017	2192	1700	1418	1187	1246	1137	1058	1160	1337	1659	2285	2505	2402	1442	1040	1022	1099	1192	1306	1005	1109	1068	