

Daily System Generation Summary on Monday

Monday, February 14, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,435 MW
Distillate	0 MW
Total TNB	2,435 MW
Total IPP	14,553 MW
Total Co-Gen	0 MW
Total System	20,547 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,104	3.61 %
Gas	49,248	13.55 %
Total TNB	62,352	17.16 %
ST-Coal	186,809	51.40 %
LSS	3,404	0.94 %
Gas	109,788	30.21 %
Total IPP	300,001	82.55 %
Co-Gen	1,255	0.35 %
Total Co-Gen	1,255	0.35 %
Total Generation	363,608	100.05 %
PLTG	806	0.22 %
HVDC	-607	-0.17 %
Interconnection	199	0.05 %
Net Energy	363,409	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	18,686 MW
TNB Generation	3,551 MW
IPP Generation	13,862 MW
Spinning Reserve	1,219 MW
Maximum Demand	17,500 MW
Net Energy	363,409 MWH
Load Factor	86.53 %

Fuel Cost

Total Cost:	86,272,192.42 RM
Cost per Unit	23.72 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	546
Hydro	278
Syncon	653
Thermal	163
Total	1,640

Time	Weather	Temperature
Afternoon	Hot	36
Morning	Rainy	26

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	175
Total TNB	228
CBPS	53
EMPP	285
KLPP	40
NPRI	79
PCGP	86
PGLA	78
PLPS	67
SKSP	27
SPGP	104
Total IPP	819
Total Gas	1,047
Total Gas Required	1,047

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	14105	13391	13002	12503	12308	12110	12399	12739	13369	15179	15930	16564	16479	16400	17087	17392	17500	17169	16202	16027	16834	16524	16084	15511

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, March 2, 2022 3:36:36 PM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Monday

[illegible]

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	
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	10	9	10	10	10	10	10	9
CEND	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9	9	9	9	10	10	10
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9
CEND	HY04	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
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	-1
HTRG	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0
KNRG	HY01	33	33	33	0	0	0	0	0	0	0	0	0	0	22	22	22	33	33	33	33	33	33	20	20	20
KNRG	HY02	35	35	35	0	0	0	0	0	0	0	0	0	0	24	25	24	36	35	35	35	35	35	24	24	24
KNRG	HY03	35	35	35	36	36	36	36	36	36	21	22	22	23	22	22	21	21	35	35	35	34	21	21	21	22
KNYR	HY01	57	58	58	100	62	58	57	58	57	69	92	102	68	62	93	99	97	61	77	99	64	62	59	64	60
KNYR	HY02	52	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	96	57	58	58	57	-1	-1	101	100	-1	-1	-1	-1	-1
KNYR	HY03	52	51	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	100	100	100	101	101	100	100	
KNYR	HY04	62	0	0	0	0	0	0	0	0	0	0	0	59	57	96	98	99	99	97	95	63	70	58	57	
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	18	18	18	18	18	18	19	20	20	20
LPIA	HY02	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	18	19	19	20	20
MNOR	HY01	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
PGAU	HY01	-1	21	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	19	-1	-1	-1	19	-1	-1	-1	-1	-1
SIHY	HY01	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	45	51	51	51	51	31	0	30	51
SIHY	HY02	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50
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	17	25
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	17	25
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	17	25
TMGR	HY01	27	0	0	0	0	0	0	0	0	0	0	0	0	83	84	85	85	84	32	34	31	34	84	84	84
TMGR	HY02	38	55	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	88	88	88	34	30	32	34
TMGR	HY03	26	-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	HY04	35	51	33	86	38	37	34	39	39	37	39	54	78	85	55	44	78	83	55	40	58	84	43	40	38
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	136	88	-1	-1	-1	93	83	89	93	90	86	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	93	88	86	88	92	84	92	89
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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	5
Total Hydro		633	520	371	316	230	225	221	227	226	225	199	247	273	529	412	267	333	481	542	556	649	880	901	780	629
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	11	17	16	22	14	26	26	31	29
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	15	20	22	26	28	15	31	17	15	7
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	17	21	23	27	30	24	27	29	25	15
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	9	16	34	34	39	19	32	22	18
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	13	17	12	12	16	18	9	11	4	7
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	13	26	32	38	48	25	44	44	50	46
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	15	22	22	22	20	20	28	16	12
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	13	22	29	22	31	31	42	20	33	46
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	10	28	47	51	68	72	79	70	77	72
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	13	21	29	15	32	17	46	24	32	24	18
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	14	16	19	29	27	25	27	25	21
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	9	23	25	27	18	21	21	22	18
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	8	9	9	6	12	25	16	20	26
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	11	17	25	31	36	43	48	41	39	35	45	10
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	14	14	25	26	25	31	35	29	23

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																								
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	5	13	4	14	19	28	7	13	9	12	16	9	6	6	6	6	6	6	6	0	0	0	0	0	0	0	0			
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	3	4	4	6	6	4	3	10	10	13	11	9	14	18	15	16	11	6	15	7	1	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	3	25	81	163	273	349	402	461	451	482	494	456	458	360	384	365	334	293	293	229	155	124	79	61	45	0	0	0	0	0	0	0		
PCUF	CUFG	24	25	25	25	23	25	25	25	25	26	27	26	26	27	26	25	26	23	24	25	25	26	27	29	29	27	28	27	27	28	27	26	26	28	27	27	26	27	27	27	27	27	29	27	28			
PCUF	CUFK	26	26	25	27	26	26	26	25	25	28	26	26	25	26	27	26	24	27	26	28	26	27	25	26	26	26	27	27	26	26	28	26	27	25	27	25	24	26	26	25	27	26	25	26	27			
Total Co-Gen		50	51	50	52	49	51	51	50	51	50	51	55	52	51	53	53	51	50	50	53	51	53	52	55	55	53	55	54	54	54	53	54	53	53	51	55	52	51	52	53	52	54	53	52	55	53	55	
Total Gen		14187	13870	13495	13160	13034	12760	12536	12431	12342	12267	12103	12248	12406	12754	12727	13017	13362	14509	15112	15598	15893	16293	16517	16485	16484	16392	16443	16746	17037	17359	17339	17321	17467	17506	17208	16641	16227	16072	16090	16730	16876	16637	16536	16306	16095	15721	15515	15121
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			
TIE-HVDC		30	30	30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-30	-28	-30	-28	-28	-28	-29	-29	-28	-28	-29	-29		
TIE-PLTG		52	21	75	-2	61	21	62	59	63	79	21	-5	36	17	18	13	22	14	-38	24	-8	-38	-18	25	35	63	73	48	-19	-7	-24	19	-5	78	68	108	54	71	93	38	70	29	40	19	40	49	33	65
Interconnection		82	51	104	-31	32	-8	33	30	34	50	-7	-34	7	-12	-12	-17	-7	-16	-67	-5	-37	-67	-47	-5	5	33	43	19	-50	-37	-53	-10	-33	50	39	79	25	43	63	10	42	1	12	-10	11	21	4	35
System Total		14105	13819	13391	13191	13002	12768	12503	12401	12308	12217	12110	12282	12399	12766	12739	13034	13369	14525	15179	15603	15930	16360	16564	16490	16479	16359	16400	16727	17087	17396	17392	17331	17500	17456	17169	16562	16202	16029	16027	16720	16834	16636	16524	16316	16084	15700	15511	15086
SRev ST-Coal		174	168	215	382	387	565	609	658	661	662	661	664	663	660	643	658	607	368	254	158	157	158	169	161	154	149	161	144	153	158	156	150	186	156	169	179	195	301	140	151	136	150	134	150	200	446	480	422
SRev CCGT-Gas		650	861	1038	1023	1076	1107	1165	1294	1141	1260	1197	1102	1069	979	1006	1066	976	684	490	435	401	451	524	852	741	911	869	664	637	374	369	518	470	377	653	812	1132	1282	1062	539	398	533	652	650	858	1108	1129	1207
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	
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 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
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
Syncon		651	689	1029	1029	1029	1029	1029	1029	1029	1029	878	1029	741	741	928	928	928	741	842	691	554	453	554	741	741	842	842	640	489	640	365	277	277	277	651	739	739	689	840	941	1029	1029	1029	842	842	842	842	
Hydro		490	378	187	38	124	129	133	127	128	129	155	258	81	113	230	188	122	178	304	287	337	243	323	343	307	366	355	378	278	400	260	373	286	371	315	215	240	243	435	366	281	145	146	146	148	169	141	140
S.Reserve Total		1965	2096	2469	2472	2616	2830	2936	3108	2959	3080	3042	2902	2842	2493	2620	2840	2633	2158	1789	1722	1586	1406	1469	1910	1943	2167	2227	2028	1708	1421	1425	1406	1219	1181	1414	1857	2306	2565	2326	1896	1756	1857	1961	1975	2048	2565	2592	2611