

Daily System Generation Summary on Saturday

Saturday, March 12, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,845 MW
Distillate	222 MW
Total TNB	2,067 MW
Total IPP	17,585 MW
Total Co-Gen	0 MW
Total System	23,355 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,985	3.98 %
Distillate	5,108	1.45 %
Gas	22,295	6.34 %
Total TNB	41,388	11.78 %
ST-Coal	208,738	59.39 %
LSS	4,591	1.31 %
Distillate	8,442	2.40 %
Gas	88,098	25.07 %
Total IPP	309,869	88.17 %
Co-Gen	971	0.28 %
Total Co-Gen	971	0.28 %
Total Generation	352,228	100.22 %
PLTG	47	0.01 %
HVDC	738	0.21 %
Interconnection	785	0.22 %
Net Energy	351,443	100.00 %

Maximum Demand Record

Date: 3/29/2022	18,840 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	17,601 MW
TNB Generation	2,831 MW
IPP Generation	13,627 MW
Spinning Reserve	1,108 MW
Maximum Demand	16,444 MW
Net Energy	351,443 MWH
Load Factor	89.05 %

Fuel Cost

Total Cost:	88,596,235.34 RM
Cost per Unit	25.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	711
Hydro	388
Syncon	378
Thermal	273
Total	1,750

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	26

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	82
Total TNB	113
CBPS	47
EMPP	297
NPRI	75
PCGP	69
PGLA	20
PLPS	32
SPGP	32
Total IPP	573
Total Gas	685
Total Gas Required	885

Alternate Fuel Usage

Station	(mmscfd)
PGLA	54
PGLA	53
PLPS	41
TJGS	51
Total	200

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	15353	14670	14143	13716	13249	13046	12993	12887	12663	13732	14342	14787	14781	14681	15127	15498	15650	15580	15045	15307	16435	16380	15854	15576

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 5, 2022 10:30:39 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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
JMAH	U001	704	704	707	706	703	706	707	706	707	704	705	705	706	706	706	706	706	706	706	706	706	706	706	706
JMAH	U002	705	706	704	706	703	707	704	704	705	702	704	705	707	704	703	705	705	706	704	707	706	705	704	707
JMHE	U002	971	975	973	901	905	896	899	849	851	853	849	850	850	852	850	859	851	854	849	864	903	905	952	947
JMJG	U001	596	590	577	585	581	591	589	600	679	673	668	670	673	670	671	672	672	664	667	668	666	666	667	667
JMJG	U002	666	660	668	657	667	662	666	660	674	667	677	664	672	670	668	673	584	489	525	523	500	497	500	500
JMJG	U004	896	908	940	933	898	901	900	852	854	854	854	854	852	853	852	853	851	854	852	859	900	898	945	924
JMJG	U005	972	968	966	911	900	899	900	842	850	850	852	848	845	848	851	850	848	851	852	871	892	900	942	950
PKLG	U003	279	280	282	280	281	280	278	279	280	282	280	278	282	281	281	280	279	280	280	278	280	279	279	279
PKLG	U004	272	286	277	276	275	276	276	274	276	275	275	276	274	282	277	276	276	271	276	276	277	276	274	273
PKLG	U006	358	359	358	359	359	359	359	358	358	358	358	360	358	360	358	326	393	434	443	443	450	449	448	448
TBIN	U001	648	647	651	646	648	648	649	649	649	699	694	693	693	694	689	690	690	691	685	690	692	687	688	690
TBIN	U003	653	651	653	653	655	650	650	651	651	694	689	692	692	690	690	692	691	689	690	692	693	686	696	685
TBIN	U004	939	938	939	904	903	901	903	857	854	853	852	855	853	852	853	855	855	855	852	860	905	903	941	938
Total ST-Coal		8659	8672	8695	8517	8478	8476	8480	8281	8388	8464	8457	8449	8459	8454	8457	8437	8400	8349	8388	8435	8563	8564	8743	8718
Total ST-Oil		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 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
CBPS	BLK2	353	358	361	356	351	219	225	223	221	226	224	224	223	224	226	223	223	225	218	218	283	293	218	218
EMPP	BLK1	609	622	709	708	653	593	707	707	607	712	621	625	603	618	576	496	523	611	699	707	711	702	699	703
EMPP	BLK2	609	621	710	707	657	591	647	650	610	587	619	625	603	617	577	499	523	612	697	706	710	702	700	701
EMPP	BLK3	689	708	709	709	714	709	707	708	517	712	593	552	550	554	551	509	499	612	696	706	711	702	699	701
GLGR	GT02	108	108	108	108	108	108	108	108	108	95	95	96	96	96	96	96	96	95	95	95	96	96	95	96
GLGR	ST1C	46	46	46	46	45	45	45	46	45	45	40	40	40	40	40	40	40	40	40	40	40	40	40	40
NPRI	BLK1	494	509	515	514	518	515	319	319	320	321	320	320	320	326	320	320	318	327	320	319	320	495	495	499
NPRI	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCGP	PGRG	261	261	262	260	268	262	261	263	263	263	260	262	264	268	260	261	262	411	499	600	603	593	588	592
PGLA	GT11	215	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	ST10	226	91	89	102	103	101	102	102	102	101	101	101	101	101	101	101	101	101	101	101	101	99	101	100
PLPS	GT11	132	137	138	140	140	139	66	66	65	65	65	65	65	65	65	65	65	107	113	109	108	109	107	108
PLPS	ST18	132	134	132	132	133	133	111	112	112	112	112	112	112	112	111	111	112	119	130	129	128	130	128	128
SPGP	BLK1	361	362	361	360	362	361	361	361	362	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPGP	BLK2	361	362	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT1A	222	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	122	122	125
TJGS	GT1B	218	113	120	120	120	115	118	120	118	116	117	120	120	120	117	117	117	116	116	154	158	154	129	120
TJGS	ST1C	248	169	166	166	166	166	166	166	166	166	166	162	162	162	162	162	162	162	162	162	162	165	165	165
TJGS	ST2C	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Total CCGT-Gas		5384	5001	4649	4651	4561	4280	4166	4174	3840	3757	3556	3527	3482	3526	3423	3227	3260	3713	4051	4225	4259	4493	4479	4559
Total 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
BSIA	HY01	23	23	22	22	22	23	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22
BSIA	HY03	23	23	23	23	23	0	0	0	0	0	24	23	24	23	23	23	23	23	23	23	23	23	23	23
CEND	HY02	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY03	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY04	8	8	8	8	8	7	7	7	8	7	7	7	7	7	7	8	7	8	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
HTRG	HY03	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	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
KNRG	HY01	34	35	34	34	35	34	34	34	34	34	34	34	34	34	34	23	23	23	34	35	35	36	35	36
KNRG	HY02	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	23	23	24	37	37	37	37	37	37

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
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
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	18
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	18	18	18	18	17	17	17	17	17	18
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
PGAU	HY01	110	110	111	110	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	81	80	80
PGAU	HY03	81	81	81	21	20	21	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	20	81	81
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	47	48	47	47
SIHY	HY02	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	50	50
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	50	50
SYPS	HY01	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	25	25
SYPS	HY03	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	HY04	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25
TMGR	HY01	77	81	81	81	81	81	35	35	35	35	35	35	49	85	86	86	86	86	84	86	86	62	62	86
TMGR	HY02	28	35	35	35	35	35	35	35	36	36	35	35	36	35	39	86	86	86	86	85	85	84	86	85
TMGR	HY04	36	72	84	78	86	82	85	85	83	76	84	85	81	84	63	43	62	85	83	42	75	41	40	40
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	57	-1	-1	144	146	92
UJLI	HY02	83	91	95	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	98	92	94	-1	-1	-1	94
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
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		746	711	726	563	482	455	457	411	410	403	412	434	430	434	412	351	388	496	533	493	525	494	490	492
PGLA	GT12	213	175	198	208	209	209	209	209	210	209	211	210	211	212	212	210	208	207	206	206	206	204	203	203
PLPS	GT12	141	142	145	146	146	147	147	146	147	147	146	147	146	145	151	147	146	145	143	144	143	142	145	145
TJGS	GT2B	214	212	214	212	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213	213
Total Distillate		568	529	557	566	568	569	569	568	569	570	567	571	569	571	572	572	571	570	567	565	571	566	565	564
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	14	17	20	22	24	26	22	28	28
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	14	18	22	26	28	30	31	32	31
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	10	16	20	23	27	30	32	32	32	31
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	3	9	5	28	33	29	41	7	28	43	10
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	6	10	14	18	21	24	17	30	29	29	27
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	14	13	28	33	38	42	45	47	47	46
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	11	14	23	26	29	30	30	30	30
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	9	10	34	35	41	23	24	41	15
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	8	11	30	42	56	65	76	84	89	92	95	95
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	14	20	26	32	36	39	42	43	44	45
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	7	9	15	18	19	10	11	16	21	16	27
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	10	16	21	25	27	30	30	30	30	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	19	21	27	35	36	49	50	50	50
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	10	15	25	32	37	43	35	30	52	49	52
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	18	26	31	36	40	42	44	45	44
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	13	17	14	11	27	28	29	27	29
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	11	19	16	12	30	30	30	30	30	30	30
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	2	45	103	210	277	409	497	547	578	576	646	
PCUF	CUFG	28	27	28	28	28	29	28	29	29	29	29	28	29	27	28	27	28	29	29	27	27	28	28	28
PCUF	CUFK	25	26	25	26	26	25	26	24	23	27	23	25	26	5	8	10	6	8	6	8	7	9	9	9
Total Co-Gen		53	53	53	54	54	53	55	52	52	56	51	54	55	34	36	39	33	37	33	36	34	37	36	37
Total Gen		15410	14966	14680	14351	14143	13833	13727	13486	13259	13250	13043	13035	12995	13019	12900	12628	12697	13268	13782	14031	14361	14651	14860	
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 Saturday

[illegible]