

Daily System Generation Summary on Saturday

Saturday, April 2, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,850 MW
Distillate	0 MW
Total TNB	1,850 MW
Total IPP	17,071 MW
Total Co-Gen	0 MW
Total System	23,200 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,673	2.45 %
Gas	44,136	12.46 %
Total TNB	52,809	14.91 %
ST-Coal	210,126	59.34 %
LSS	2,903	0.82 %
Gas	87,442	24.69 %
Total IPP	300,471	84.85 %
Co-Gen	1,051	0.30 %
Total Co-Gen	1,051	0.30 %
Total Generation	354,331	100.06 %
PLTG	908	0.26 %
HVDC	-696	-0.20 %
Interconnection	212	0.06 %
Net Energy	354,119	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:	20:00:00 Hour
Total Set On Bus	18,396 MW
TNB Generation	2,893 MW
IPP Generation	13,311 MW
Spinning Reserve	2,165 MW
Maximum Demand	16,189 MW
Net Energy	354,119 MWH
Load Factor	91.14 %

Fuel Cost

Total Cost:	92,406,860.92 RM
Cost per Unit	26.08 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,586
Hydro	382
Syncon	598
Thermal	143
Total	2,709

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	143
Total TNB	173
CBPS	47
EMPP	191
KLPP	20
NPRI	136
PCGP	56
PGLA	68
PLPS	68
SKSP	4
SPGP	133
Total IPP	723
Total Gas	897
Total Gas Required	897

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	15715	14975	14421	13982	13563	13436	13318	13078	12783	13725	14551	14942	14994	14986	15441	15598	15676	15387	14974	15106	16189	16007	15684	15519

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Saturday, April 23, 2022 11:30:36 PM
(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	706	705	708	705	705	705	704	705	705	702	705	704	706	705	704	703	708	709	705	704	703	704	706	705	704	703																								
JMAH	U002	710	697	702	706	701	702	699	701	701	702	700	702	700	706	706	700	704	708	707	705	704	704	704	704	706	703																								
JMHE	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	22	35	133	132	340	512	572	818	799	797																								
JMHE	U002	979	981	983	977	976	900	871	810	813	811	810	809	812	810	812	814	849	851	900	898	945	983	977	975	983	979																								
JMJG	U001	665	667	665	668	677	668	666	667	667	669	667	668	669	666	673	670	672	666	661	670	665	668	667	665	666	665																								
JMJG	U002	637	653	672	677	668	672	670	672	667	675	672	667	674	668	670	640	640	651	642	678	669	671	668	662	669	667																								
JMJG	U003	663	682	659	669	683	662	666	624	570	577	603	588	609	590	607	596	597	594	608	596	608	587	607	596	607	609																								
JMJG	U005	972	972	973	973	972	901	874	806	812	809	811	809	812	810	810	810	849	848	901	921	952	973	976	973	973	971																								
PKLG	U003	273	270	273	274	273	273	274	274	274	275	274	275	276	277	277	278	275	278	276	275	277	277	276	274	273	271																								
PKLG	U004	266	276	272	277	276	275	272	275	276	275	274	272	279	276	272	275	269	273	278	272	272	271	272	287	277	276																								
PKLG	U006	446	443	446	445	445	443	443	442	443	445	444	443	445	444	443	445	442	445	442	444	443	442	442	447	445	442																								
TBIN	U001	696	697	698	696	694	697	698	695	694	698	697	697	701	697	696	695	694	698	701	698	697	696	697	696	697	695																								
TBIN	U003	701	702	701	699	699	700	702	702	703	703	701	701	704	703	699	702	702	701	702	700	699	701	699	706	703	703																								
TBIN	U004	937	938	939	939	938	903	890	816	814	815	816	815	813	811	814	818	851	854	898	929	939	938	935	938	939	936																								
Total ST-Coal		8651	8683	8691	8705	8707	8501	8429	8189	8139	8154	8175	8149	8196	8162	8184	8149	8255	8267	8415	8523	8615	8752	8757	8950	9153	9197	9449	9428	9425	9415	9481	9501	9514	9510	9512	9223	9060	8994	9013	8962	8810	8636	8603	8612	8613	8605	8613	8533		
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	0	0	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	0	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	354	361	341	355	212	227	213	228	227	228	219	212	223	223	216	223	226	226	223	296	362	361	362	268	220	225	224	361	362	362	361	362	354	303	362	268	253	361	361	362	361	363	368	361	356	364				
EMPP	BLK1	690	699	721	681	675	448	396	567	442	413	411	398	438	444	407	466	463	684	712	710	714	718	709	703	705	709	710	710	705	707	706	725	713	721	698	708	711	709	712	712	710	713	708	713	717	710	707	712		
EMPP	BLK2	690	699	721	680	675	449	395	566	440	413	411	398	438	446	407	464	463	684	712	710	714	717	708	704	705	709	710	710	705	707	706	725	713	721	698	707	711	709	712	711	709	713	709	713	716	710	707	712		
GLGR	GT01	67	68	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
GLGR	GT02	67	69	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	93	93	93	93	93	93	93	93	92	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	92				
GLGR	ST1C	71	71	40	40	41	41	41	41	41	41	41	41	40	40	41	40	40	41	39	40	40	40	40	40	41	39	41	41	40	39	39	40	39	40	40	40	40	40	40	40	40	40	40	40	40	41	41	41		
KLPP	GT13	117	117	123	114	114	121	113	121	117	117	118	113	118	118	118	118	131	128	132	128	132	133	135	133	133	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	GT14	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	ST17	133	64	66	63	64	66	63	65	65	64	65	63	65	65	64	65	68	66	67	66	67	67	67	67	67	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NPRI	BLK1	505	515	420	392	393	410	382	313	309	313	310	296	311	310	301	310	313	311	332	515	514	516	513	507	442	398	378	515	505	515	510	522	519	523	505	508	516	446	449	518	517	515	514	519	521	515	511	518		
NPRI	BLK2	509	518	421	394	294	311	295	313	309	311	310	296	309	311	301	311	311	311	333	521	520	525	518	510	445	431	379	519	509	518	515	531	522	526	507	512	520	448	452	521	523	520	520	524	527	520	514	521		
PCGP	PGRG	591	601	620	584	582	607	582	356	351	357	353	352	354	354	353	260	266	265	266	260	268	273	262	260	262	262	262	261	262	262	281	266	272	263	259	265	260	267	265	353	404	451	266	272	261	261	266			
PGLA	GT11	171	174	178	166	167	176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PGLA	GT12	174	177	182	169	170	176	176	166	165	165	165	160	166	166	162	171	167	167	166	166	168	169	165	163	162	165	165	165	220	171	167	169	160	168	172	171	201	194	221	221	221	222	224	221	221	194				
PGLA	ST10	205	207	210	202	206	110	96	95	94	94	93	91	94	94	92	92	92	94	93	93	93	94	92	92	94	94	94	94	94	93	114	93	94	94	93	93	102	240	220	242	242	243	240	240	239	237	212			
PLPS	GT11	109	111	117	123	123	127	121	126	126	127	126	123	127	128	125	128	128	127	129	129	129	131	128	129	122	126	127	127	122	127	127	132	129	114	107	109	112	112	112	112	141	141	111	114	115	111	112	114		
PLPS	GT12	115	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	GT13	49	31	9	23	68	87	81	17	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	126	144	147	148	150	150	151	151	151	151	156	155	152	144	145	145	144	10				
PLPS	ST18	130	133	84	54	68	122	126	84	92	74	57	57	56	57	56	56	57	56	57	57	57	58	56	56	56	53	137	140	139	141	141	142	138	138	140	201	204	203	213	212	204	201	202	202	201	151				
SKSP	BLK1	216	217	218	220	0	0	0	0	0	0	0	0</																																						

Daily MW Generation on Saturday

[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		
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	25	22	26	7	8	11	30	30	8	7	30	22	30	25	19	5	15	3	7	5	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	8	54	109	209	294	382	413	472	533	562	477	469	380	295	276	184	175	144	111	118	64	46	29	5	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	28	26	29	28	28	29	29	29	28	28	28	27	29	27	27	28	28	28	26	26	26	23	24	25	24	24	25	-6	-6	-5	-6	-5	-6	-2	0	-2	-2	0	1	1	2	3	26	27	28	27	28	28	
PCUF	CUFK	26	26	26	25	25	27	26	25	26	26	26	26	27	26	25	26	26	26	28	25	26	25	26	26	26	26	27	26	28	27	26	26	26	25	26	25	27	27	26	25	25	25	26	26	25	24	26	26	
Total Co-Gen		54	52	55	53	53	56	55	54	54	54	54	53	56	53	52	54	54	54	54	51	52	48	50	51	50	50	52	20	22	22	20	21	20	23	26	23	25	27	27	26	27	28	52	53	53	51	54	54	
Total Gen		15812	15423	15005	14781	14516	14184	14029	13844	13551	13470	13452	13340	13299	13208	13108	12644	12761	13280	13654	14184	14508	14831	14971	15087	14957	14800	14874	15155	15429	15563	15699	15763	15804	15688	15414	15119	14920	14848	15064	15937	16231	16124	16035	15939	15704	15593	15587	15314	
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	0	0	
TIE-HVDC		-30	-31	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-28	-28	-30	-30	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-29	-28	-30	-30	-29	-29	-29	-29	-29	-29	
TIE-PLTG		128	111	60	89	124	34	76	31	16	11	44	84	9	24	60	17	7	10	-43	23	-14	21	59	30	-8	-56	-84	-46	18	52	129	156	157	23	56	-14	-25	-36	-13	20	72	68	57	30	49	51	97	53	
Interconnection		97	81	30	58	95	5	47	3	-12	-18	16	56	-19	-4	30	-13	-22	-19	-71	-5	-43	-8	29	0	-37	-85	-112	-75	-12	22	101	128	128	-6	27	-43	-54	-65	-42	-8	42	38	28	1	20	22	68	24	
System Total		15715	15342	14975	14723	14421	14179	13982	13841	13563	13488	13436	13284	13318	13212	13078	12657	12783	13299	13725	14189	14551	14839	14942	15087	14994	14885	14986	15230	15441	15541	15598	15635	15676	15694	15387	15162	14974	14913	15106	15945	16189	16086	16007	15938	15684	15571	15519	15290	
SRev ST-Coal		-3	51	43	119	117	323	339	327	389	369	350	370	328	358	339	340	337	331	281	230	219	82	77	134	81	37	185	206	209	119	153	133	166	170	168	77	150	216	97	138	70	118	131	122	121	129	121	151	
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 CCGT-Gas		873	901	1111	1043	1213	1765	1762	1784	2026	2039	2076	2153	2252	2307	2422	2867	2800	2370	2263	1920	1780	1638	1541	1672	2029	2192	2157	1722	1397	1365	1292	1280	1339	1474	1708	1972	1984	2271	2132	1614	1188	1129	1175	1342	1310	1368	1385	1721	
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 LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	-1	0	0	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		313	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	676	676	676	676	676	676	676	676	676	676	676	676	676	588	588	401	401	401	401	588	588	588	401	401	401	401	401	401	401	676	676	676	489
Hydro		627	429	413	448	406	376	386	378	379	377	379	387	379	378	384	378	341	343	324	332	329	319	342	323	327	280	312	324	339	376	448	408	526	473	525	441	405	404	451	525	506	499	553	492	294	337	337	381	
S.Reserve Total		1810	1969	2155	2198	2324	3052	3075	3077	3382	3373	3393	3498	3547	3631	3733	4175	4154	3720	3544	3158	3004	2714	2636	2805	3113	3185	3330	2940	2633	2546	2493	2419	2444	2522	2802	2895	3131	3479	3270	2678	2165	2147	2260	2357	2401	2510	2519	2742	