

Daily System Generation Summary on Thursday

Thursday, March 3, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,875 MW
Distillate	0 MW
Total TNB	1,875 MW
Total IPP	17,285 MW
Total Co-Gen	0 MW
Total System	22,719 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,887	4.09 %
Gas	58,514	16.07 %
Total TNB	73,401	20.15 %
ST-Coal	191,840	52.67 %
LSS	4,446	1.22 %
Gas	92,394	25.37 %
Total IPP	288,680	79.26 %
Co-Gen	1,208	0.33 %
Total Co-Gen	1,208	0.33 %
Total Generation	363,289	99.75 %
PLTG	-218	-0.06 %
HVDC	-693	-0.19 %
Interconnection	-911	-0.25 %
Net Energy	364,200	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:	16:30:00 Hour
Total Set On Bus	18,276 MW
TNB Generation	3,792 MW
IPP Generation	13,474 MW
Spinning Reserve	960 MW
Maximum Demand	17,292 MW
Net Energy	364,200 MWH
Load Factor	87.76 %

Fuel Cost

Total Cost:	88,491,882.32 RM
Cost per Unit	24.36 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	350
Hydro	545
Syncon	172
Thermal	307
Total	1,374

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	53
SRDG	2
TJGS	182
Total TNB	237
CBPS	53
EMPP	306
PCGP	87
PGLA	13
PLPS	76
SKSP	54
SPGP	153
Total IPP	742
Total Gas	979
Total Gas Required	979

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	14648	14000	13594	13127	12759	12569	12762	12951	13444	15069	15707	16257	16167	15994	16660	17021	17272	16954	16067	15877	16746	16514	15878	15565

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, April 5, 2022 10:21:56 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

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	506	509	509	507	454	404	354	306	305	305	305	306	305	305	324	341	455	456	554	557	554	609	555	555	555	556	655	682	687	695	694	695	696	691	698	696	656	695	701	696	694	695	696	695	698	696	695	694	695	695		
JMAH	U002	504	504	508	506	454	403	353	308	307	304	303	303	304	304	304	324	350	454	455	552	554	558	557	554	555	555	556	654	695	694	695	695	694	695	695	695	689	654	695	696	696	695	698	696	695	694	695	695	695			
JMHE	U002	950	951	948	878	878	850	848	847	801	801	799	801	802	801	800	803	882	904	902	981	981	977	978	985	978	978	979	981	979	980	977	981	977	980	977	981	976	981	980	981	979	981	980	977	981	983	982	981	981	981		
JMJG	U001	447	445	447	450	448	448	447	448	448	447	467	502	498	538	597	595	598	596	598	572	581	579	594	590	599	620	649	645	649	667	673	670	671	671	673	671	670	673	640	645	667	673	670	666	606	598	596	598	598	598		
JMJG	U002	462	459	460	458	461	461	459	457	462	461	483	521	512	548	592	601	599	598	601	578	581	583	595	601	601	621	651	651	635	668	673	668	677	669	666	668	667	669	638	641	645	633	596	665	670	593	601	600	600	600		
JMJG	U004	952	947	949	888	880	848	848	848	835	805	804	806	804	807	804	805	812	867	900	949	966	975	976	972	972	972	972	972	972	971	971	972	972	972	972	973	976	971	972	974	972	975	634	584	641	701	758	816	816	816		
JMJG	U005	953	951	947	879	880	850	849	848	827	801	799	798	799	799	796	799	844	902	901	974	972	973	974	974	973	973	974	972	974	972	975	973	972	974	968	972	975	975	982	973	972	972	975	969	972	974	972	973	973	973		
PKLG	U003	147	147	147	146	148	149	149	147	149	148	148	147	148	147	148	148	147	147	205	208	206	205	205	205	205	207	229	266	275	278	276	276	275	278	277	277	244	206	242	271	279	282	280	279	282	283	281	281	281	281		
PKLG	U004	156	153	152	155	155	155	155	155	152	150	146	144	145	149	149	147	145	147	153	206	209	207	208	205	204	204	206	225	260	279	276	275	278	276	276	277	274	237	210	250	272	278	276	274	277	278	278	277	277	277		
PKLG	U006	364	361	357	356	358	358	359	358	358	358	362	406	443	448	443	438	442	442	443	445	445	449	445	445	442	443	443	437	382	435	442	445	442	443	443	445	445	445	443	443	442	443	449	449	442	446	444	446	446	446		
TBIN	U001	594	548	498	499	498	499	497	450	401	426	500	465	525	549	549	566	622	690	689	647	647	687	687	686	602	597	600	649	685	685	686	685	683	689	685	688	682	686	686	686	685	687	685	687	687	687	686	686	686	686		
TBIN	U003	602	554	500	502	503	502	502	451	403	428	499	501	525	553	554	570	632	690	687	670	650	692	689	689	670	602	604	658	688	687	690	688	687	692	691	687	689	691	686	689	690	689	690	690	690	690	692	689	689	689		
TBIN	U004	941	938	939	883	883	853	856	853	832	806	802	802	802	804	804	804	833	903	905	941	940	943	941	941	940	942	941	942	942	939	941	942	941	939	940	940	940	940	940	939	938	940	941	940	941	940	941	940	942	942		
Total ST-Coal		7578	7467	7361	7107	7000	6780	6676	6476	6280	6240	6417	6502	6612	6752	6844	6924	7248	7795	7837	8274	8291	8383	8458	8402	8296	8267	8338	8670	8809	8939	8972	8964	8965	8971	8956	8972	8956	8822	8773	8860	8926	8937	8573	8571	8576	8566	8621	8681	8681	8681		
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	0		
CBPS	BLK2	362	362	355	362	362	365	357	363	352	369	364	321	361	362	361	331	360	354	370	352	358	358	362	358	360	351	361	361	362	362	361	360	356	357	353	356	348	364	360	362	361	361	362	353	353	360	362	253	253	253	253	
EMPP	BLK1	709	710	704	707	709	709	705	708	706	716	710	709	712	708	710	710	710	708	725	701	707	699	709	707	706	703	708	710	709	710	709	720	712	714	697	709	695	715	717	715	715	712	720	702	709	714	714	714	714	714	714	
EMPP	BLK2	711	709	704	707	709	709	704	707	706	717	710	709	712	708	709	710	712	709	725	701	709	699	709	707	707	703	710	711	709	710	708	719	712	713	697	708	695	714	717	714	717	713	719	702	708	713	714	714	715	715	715	
EMPP	BLK3	710	710	704	707	710	709	705	707	706	717	709	709	712	708	709	711	710	709	725	701	710	699	706	707	706	703	709	711	709	709	709	720	711	714	697	708	695	713	716	714	717	713	719	702	709	714	714	714	714	714	714	
GLGR	GT01	69	68	68	68	68	68	68	67	68	69	68	69	68	68	68	68	68	68	111	111	109	109	111	110	109	109	109	108	107	108	108	108	108	108	91	67	69	103	99	100	101	100	101	102	95	68	68	68	68	68		
GLGR	GT02	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	111	109	109	110	109	110	109	109	109	108	108	107	106	107	107	107	107	89	67	67	102	100	100	100	100	100	100	100	100	100	94	68	68	68
GLGR	ST1C	71	71	71	71	71	70	71	71	71	71	70	71	71	71	71	70	71	71	92	99	99	98	99	99	99	99	100	99	98	99	98	98	98	98	98	89	72	71	88	90	90	91	91	91	91	91	91	91	91	91	91	
PCGP	PGRG	598	603	592	594	603	603	594	596	596	610	600	602	605	602	604	605	599	597	622	590	596	586	601	596	593	589	602	605	603	598	602	613	596	605	580	589	577	599	598	607	602	601	608	586	593	600	603	508	508	508		
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	13	120	116	116	117	117	116	155	222	222	225	227	223	160	163	164	165	165	165	165	
PGLA	ST10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT11	110	127	129	129	128	128	128	128	129	129	129	129	130	128	129	129	129	129	142	144	144	143	146	144	142	138	142	142	142	140	139	141	139	140	136	136	136	114	116	134	131	131	134	133	134	136	130	131	131	131		
PLPS	GT12	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	0	0		
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	ST18	131	89	58	58	58	58	57	57	58	57	57	58	58	56	57	57	58	58	60	57	144	143	143	144	144	144	144	142	144	145	210	211	211	212																		

Daily MW Generation on Thursday

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	63	63	63	63	63	63	62	62	62	63	63	63	63	63	63	63	63	63	63	0	0	0	64	0
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	0	0	0	0	0	0	0	0	0	0	0	33	34	34	35	35	35	35	0	0	0	0	0	0
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	38	37	37	38	36	36	36	36
KNRG	HY03	37	37	37	37	37	22	22	22	22	37	23	23	23	23	22	23	21	22	21	22	21	21	22	21
LPJA	HY01	19	19	19	19	19	19	19	19	19	19	19	0	0	0	0	0	0	0	0	0	0	0	0	0
LPJA	HY02	18	18	18	18	18	18	18	18	18	18	18	20	22	27	27	27	27	27	27	27	27	27	27	27
MNOR	HY01	3	3	3	3	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	82	81	82	81	21	110
PGAU	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	113	112	151	113	21	113
PGAU	HY04	21	21	21	21	22	21	21	21	21	22	21	21	21	21	21	21	21	21	111	111	151	112	21	111
SIHY	HY01	31	31	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	47	47	47
SIHY	HY02	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	50
SIHY	HY03	29	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	50
SYPS	HY01	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
SYPS	HY03	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
SYPS	HY04	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	85	85	85	85	61
TMGR	HY02	34	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	86	86	86	86	86	65
TMGR	HY03	0	0	0	0	0	0	0	83	0	0	0	0	0	0	0	0	0	0	12	85	85	85	85	61
TMGR	HY04	42	47	41	41	56	41	41	41	41	83	42	42	66	45	60	77	43	41	86	41	43	39	80	41
UJLI	HY01	87	93	85	87	93	91	87	87	87	93	-1	-1	-1	-1	-1	-1	101	87	88	84	92	88	87	85
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		592	569	556	558	414	378	373	372	372	530	312	289	311	290	286	306	271	306	516	489	462	455	504	460
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
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
JELS	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
KDLS	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
KMLS	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	25	24	25	25	26	24	25	25	26	25	26	27	26	28	27	27	27	24	22	24	25	24	23	23

Daily MW Generation on Thursday

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	
PCUF	CUFK	25	26	26	26	26	26	25	25	25	24	25	25	24	26	24	25	27	26	26	24	26	26	25	26	24	25	26	26	25	25	24	26	27	25	25	25	25	25	26	26	28	25	26	25	26	24	25	
Total Co-Gen		50	50	51	51	52	50	50	50	51	49	50	51	50	53	50	53	54	53	53	48	48	50	50	50	47	49	49	50	49	48	47	49	52	50	49	49	50	50	50	52	52	53	49	52	52	51	50	51
Total Gen		14636	14273	13973	13741	13518	13249	13112	12924	12717	12710	12550	12568	12714	12801	12898	12999	13393	14389	14958	15390	15639	15888	16190	16269	16124	15952	15957	16340	16665	17055	17019	17238	17320	17316	16983	16538	16117	15783	15859	16483	16709	16692	16451	16233	15845	15640	15479	15239
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	
TIE-HVDC		-28	-31	-28	-28	-28	-29	-28	-29	-29	-29	-29	-29	-28	-28	-29	-28	-28	-28	-30	-30	-28	-28	-30	-30	-28	-28	-30	-30	-28	-31	-30	-29	-30	-29	-29	-29	-30	-29	-28	-30	-28	-31	-30	-29	-29	-28	-28	
TIE-PLTG		16	-23	0	-2	-48	-9	13	7	-13	-12	9	-27	-19	-30	-25	-15	-23	-34	-83	-38	-38	-59	-39	-37	-13	-4	-8	-29	35	24	29	4	77	54	58	31	79	32	11	-23	-6	-47	-32	-6	-4	-32	-58	-80
Interconnection		-12	-54	-27	-30	-76	-38	-15	-22	-42	-41	-19	-55	-48	-58	-53	-45	-51	-62	-111	-68	-68	-88	-67	-66	-43	-32	-37	-59	5	-4	-2	-26	48	24	29	2	50	2	-18	-51	-37	-75	-63	-36	-33	-60	-86	-108
System Total		14648	14327	14000	13771	13594	13287	13127	12946	12759	12751	12569	12623	12762	12859	12951	13044	13444	14451	15069	15458	15707	15976	16257	16335	16167	15984	15994	16399	16660	17059	17021	17264	17272	17292	16954	16536	16067	15781	15877	16534	16746	16767	16514	16269	15878	15700	15565	15347
SRev ST-Coal		666	680	686	877	878	855	850	856	865	853	859	911	872	865	871	872	866	689	693	521	530	434	433	436	522	561	498	414	318	205	172	180	179	173	188	172	188	290	273	262	218	207	86	163	193	267	268	209
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	7	6	16	0	0	0	0	0	0	0	0	0	0	0	0		
SRev CCGT-Gas		817	778	938	918	891	902	930	917	929	732	852	897	882	917	905	910	854	521	268	501	359	336	175	375	380	270	347	338	431	236	416	423	333	332	423	373	687	775	838	352	255	285	208	339	557	692	796	1291
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	0	0	0	0	0	0	0	0	0	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		126	126	126	126	126	126	126	126	126	126	313	313	313	313	313	313	489	489	302	214	214	214	214	214	214	214	214	214	214	214	126	126	126	126	126	126	126	313	313	126	126	126	126	126	126	126	126	
Hydro		750	686	699	697	616	647	652	653	653	582	526	549	527	548	525	505	538	543	520	640	580	587	538	582	577	586	573	539	680	628	667	354	407	323	477	718	735	575	574	562	498	497	447	660	710	682	650	456
S.Reserve Total		2359	2270	2449	2618	2511	2530	2558	2552	2573	2293	2550	2670	2594	2643	2614	2600	2747	2242	1783	1876	1683	1571	1360	1607	1693	1631	1632	1505	1643	1283	1381	1083	1052	960	1230	1389	1736	1953	1998	1303	1097	1115	867	1288	1586	1767	1840	2082