

Daily System Generation Summary on Thursday

Thursday, February 17, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,430 MW
Distillate	0 MW
Total TNB	2,430 MW
Total IPP	17,321 MW
Total Co-Gen	0 MW
Total System	23,310 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,815	4.30 %
Gas	50,434	13.70 %
Total TNB	66,249	18.00 %
ST-Coal	206,345	56.07 %
LSS	3,680	1.00 %
Gas	90,484	24.59 %
Total IPP	300,509	81.65 %
Co-Gen	1,170	0.32 %
Total Co-Gen	1,170	0.32 %
Total Generation	367,928	99.97 %
PLTG	586	0.16 %
HVDC	-696	-0.19 %
Interconnection	-110	-0.03 %
Net Energy	368,038	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:	16:30:00 Hour
Total Set On Bus	18,316 MW
TNB Generation	3,401 MW
IPP Generation	13,675 MW
Spinning Reserve	1,194 MW
Maximum Demand	17,091 MW
Net Energy	368,038 MWH
Load Factor	89.73 %

Fuel Cost

Total Cost:	87,556,090.75 RM
Cost per Unit	23.78 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	376
Hydro	427
Syncon	510
Thermal	356
Total	1,669

Time Weather Temperature

Afternoon	Cloudy	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	55
SRDG	2
TJGS	177
Total TNB	235
CBPS	50
EMPP	297
NPRI	79
PCGP	86
PGLA	48
PLPS	3
SPGP	104
Total IPP	667
Total Gas	902
Total Gas Required	902

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	15236	14470	13899	13375	13078	12842	12999	13222	13694	15152	15919	16292	16171	15878	16575	17006	17057	16848	16007	15856	17035	16873	16286	15910

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, March 2, 2022 3:41:19 PM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

		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		649	546	505	457	378	353	357	357	355	354	352	353	356	353	353	352	404	500	573	653	653	692	693	694	694	619	529	502	578	675	692	693	695	694	693	693	696	692	692	694	693	691	693	691	691	691	692	692	656
JMAH	U002		654	505	503	454	387	354	357	355	353	354	354	354	354	354	353	354	405	504	577	654	655	695	695	696	694	612	527	504	575	687	695	694	696	696	695	696	693	694	695	695	694	693	694	692	698	698	693	651	
JMHE	U001		949	948	903	899	901	810	798	801	804	802	800	803	801	800	800	801	801	797	801	903	904	933	966	973	878	881	942	955	968	971	970	961	970	968	928	687	552	556	556	555	554	554	553	555	555	556	554	554	
JMHE	U002		949	949	903	898	903	900	799	801	803	801	802	800	801	800	803	798	801	800	802	903	902	950	977	980	977	980	976	977	979	979	980	977	983	979	977	894	564	549	551	549	551	553	549	548	550	550	547	549	
JMJG	U001		464	449	451	476	551	548	501	508	548	520	506	508	506	506	546	546	546	550	570	630	626	629	629	629	632	619	597	598	596	597	596	597	568	568	568	568	568	568	568	568	568	568	568	568	568	568	568	568	
JMJG	U002		444	450	450	475	553	547	550	549	525	501	500	500	500	542	546	547	548	570	626	625	624	629	629	632	628	609	598	600	599	597	599	563	570	570	569	568	570	568	569	593	626	645	647	629	601	598	546	543	
JMJG	U004		844	804	804	806	805	805	804	804	806	804	805	804	805	806	804	803	806	804	823	879	939	976	974	975	972	966	965	944	946	946	945	946	944	944	944	946	945	943	949	947	946	948	946	946	943	945	944	946	943
JMJG	U005		796	801	797	801	800	801	799	797	799	801	798	801	797	793	801	803	800	800	801	801	801	800	801	800	876	950	976	974	967	972	972	972	972	974	972	969	972	972	975	974	971	973	972	971	973	972	971	973	
PKLG	U003		250	250	253	235	152	148	148	147	145	147	148	148	149	148	147	155	203	245	249	250	249	249	250	249	249	247	245	244	242	245	246	242	249	250	251	248	249	248	247	252	249	242	248	247	250	250	249	252	
PKLG	U004		278	277	276	258	184	153	151	153	154	158	156	154	156	157	154	162	209	248	279</																														

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	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124	123	123	124	63	63	63	0	0	
HTRG	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	0	0	0	0	5	5	5	5	7	7	
KNRG	HY01	33	33	33	33	33	22	22	22	22	22	22	20	0	0	0	0	0	0	0	21	20	21	21	21	21	21	21	21	
KNRG	HY02	36	36	36	36	36	22	21	21	22	22	22	21	22	22	23	22	37	37	37	36	36	36	25	24	24	25	24	24	
KNRG	HY03	35	35	35	35	35	21	21	21	21	21	21	21	22	22	22	36	36	36	36	35	35	35	22	21	21	21	21	21	
KNYR	HY01	60	67	67	84	72	92	97	62	62	63	63	65	64	62	66	77	89	67	61	64	75	68	100	64	58	63	102	65	66
KNYR	HY02	55	55	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	56	56	60	102	101	101	102	61	61	101	
KNYR	HY03	54	0	0	0	0	0	57	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	54	54	58	102	102	101	102	60	-1	
KNYR	HY04	55	55	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LPIA	HY01	22	22	22	20	20	20	20	20	20	20	20	20	21	21	21	21	19	19	19	19	18	18	18	18	18	18	18	18	
LPIA	HY02	20	20	20	21	21	21	21	21	21	21	21	20	20	21	20	21	21	21	20	19	19	19	19	19	19	19	19	19	
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	3	3	3	
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	
PGAU	HY03	21	21	21	21	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	21	21	22	21	21	
PGAU	HY04	21	21	21	21	21	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	30	31	30	51	51	51	51	51	31	51	51	51	51	31	30	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30	30	30	30	30	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	17	17	17	17	17	17	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	17	17	17	17	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17	17	17	17	17	17	
TMGR	HY01	33	34	34	0	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	HY02	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	89	33	33	34	35	-1	-1	-1	-1	-1	-1	
TMGR	HY03	81	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	31	30	29	29	30	30	30	30	30	30	30	30	
TMGR	HY04	39	55	41	41	50	79	82	40	42	41	41	41	43	42	41	54	74	46	39	41	61	47	85	42	34	40	83	43	
UJLI	HY01	86	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	85	92	92	91	88	93	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	-1	-1	-1	-1	91	-1	-1	-1	92	90	86	86	
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	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	5	5	5	
Total Hydro		785	584	484	407	404	411	370	349	292	292	293	293	294	295	258	265	269	496	385	339	423	363	341	409	452	327	339	421	559
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	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	8	9	13	12	14	13	20	15	14	15	13
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	0	0	0	0	0
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	15
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	11	15	16	33	49	39	47	39	40	47	46	40	35	30
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	13	18	18	20	18	19	21	26	24	18	14	11	21
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	23	19	34	43	38	34	34	33	41	44	41	25	33	49
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	10	19	25	23	20	18	26	30	29	29	30	13	22
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	13	13	13	29	30	36	36	48	44	37	50	50	48	27	47
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	7	17	30	42	41	43	56	63	62	62	91	78	79	56
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	15	22	20	22	22	24	27	30	50	30	40	31	36	40
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	11	6	6	20	6	6	14	17	6	6	6	15	24
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	9	10	15	15	14	17	23	23	18	19	25	23	17
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	11	6	8	4	13	20	36	39	50	51	47	38	50	35	22
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	38	28	44	30	36
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	15	11	19	19	19	19	20	23	26	20	23	26	19	29
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	1	3	7	10	18	15	19	20	17	19	25	19	16	20
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	8	13	22	20	22	23	24	20	19	30	19	18	19

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																									
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	17	17	44	105	159	186	243	292	368	379	397	438	480	510	489	499	428	472	432	379	360	288	171	118	62	33	0	0	0	0	0	0	0				
PCUF	CUFG	24	23	23	22	22	22	22	23	23	23	23	26	28	27	29	29	28	27	29	28	27	26	23	24	23	22	21	20	21	21	21	20	21	22	22	22	23	24	22	22	24	22	23	24					
PCUF	CUFK	26	27	24	25	26	24	26	25	26	25	27	26	25	26	27	27	24	25	25	26	28	26	25	24	27	24	26	26	24	25	26	26	25	25	26	25	24	24	25	23	24	24	24	25	24				
Total Co-Gen		50	50	47	48	48	46	48	47	49	48	48	50	52	53	53	56	56	52	52	54	54	55	52	48	48	50	47	48	47	44	46	47	47	46	45	47	47	46	46	48	47	46	46	48	48				
Total Gen		15243	14791	14471	14119	13840	13609	13360	13205	13047	12956	12838	12915	12960	13244	13204	13279	13652	14517	15088	15539	15893	16085	16243	16334	16156	15981	15910	16190	16596	16929	17005	16975	17050	17122	16921	16489	16031	15804	15845	16679	17047	17048	16892	16611	16312	16081	15909	15635	
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		-28	-28	-28	-28	-30	-27	-28	-28	-29	-30	-30	-29	-30	-31	-28	-30	-30	-29	-28	-30	-29	-28	-28	-30	-31	-28	-30	-30	-31	-28	-30	-28	-30	-30	-31	-28	-29	-30	-28	-29	-28	-28	-28	-29	-28				
TIE-PLTG		35	-10	29	42	-29	30	13	-4	-2	3	27	22	-9	45	13	-14	-12	5	-35	-6	4	-69	-21	-77	15	16	60	3	49	92	27	98	24	61	101	89	54	50	18	96	40	37	46	54	37	27	43		
Interconnection		7	-39	1	14	-59	2	-15	-32	-31	-27	-4	-8	-39	15	-18	-42	-42	-25	-64	-34	-26	-98	-49	-105	-15	-14	32	-28	21	62	-1	68	-7	31	73	58	24	22	-11	66	12	8	19	26	26	9	-1	15	
System Total		15236	14830	14470	14105	13899	13607	13375	13237	13078	12983	12842	12923	12999	13229	13222	13321	13694	14542	15152	15573	15919	16183	16292	16439	16171	15995	15878	16218	16575	16867	17006	16907	17057	17091	16848	16431	16007	15782	15856	16613	17035	17040	16873	16585	16286	16072	15910	15620	
SRev ST-Coal		570	614	780	901	903	907	941	954	953	955	1053	972	959	955	960	960	961	948	901	821	702	450	323	314	295	507	434	410	402	295	265	283	258	269	280	310	474	199	229	228	192	173	151	205	195	198	204	282	
SRev CCGT-Gas		1095	1071	1057	974	876	863	885	924	980	1032	1140	1152	1121	914	943	892	866	695	613	713	606	643	663	655	712	566	683	384	243	209	212	210	182	160	169	170	150	141	407	159	120	127	203	260	407	534	451	426	
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	5	4	36	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		464	739	928	928	928	928	928	1029	1029	1029	1029	1029	1029	1029	878	1029	666	853	941	842	1029	1029	1029	691	1029	1029	1029	666	565	277	277	277	277	214	365	365	552	565	277	151	151	151	0	277	277	277	464		
Hydro		736	562	473	363	366	59	89	210	166	166	165	165	164	163	176	280	125	322	246	204	219	92	114	46	341	128	116	34	259	332	530	655	605	488	682	560	469	460	655	614	422	552	666	957	710	805	725	539	
S.Reserve Total		2865	2986	3238	3166	3073	2757	2843	3016	3128	3182	3387	3318	3273	3061	3108	3010	2981	2631	2613	2679	2369	2214	2129	2044	2039	2230	2262	1857	1570	1401	1284	1425	1322	1194	1345	1405	1458	1352	1856	1278	885	1008	1175	1458	1589	1814	1657	1711	