

Daily System Generation Summary on Thursday

Thursday, May 13, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,367 MW
Distillate	0 MW
Total TNB	2,367 MW
Total IPP	16,909 MW
Total Co-Gen	0 MW
Total System	23,547 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,456	3.46 %
Gas	57,232	18.91 %
Total TNB	67,688	22.37 %
ST-Coal	168,460	55.67 %
LSS	3,565	1.18 %
Gas	63,248	20.90 %
Total IPP	235,273	77.76 %
Co-Gen	167	0.06 %
Total Co-Gen	167	0.06 %
Total Generation	303,128	100.18 %
PLTG	-171	-0.06 %
HVDC	720	0.24 %
Interconnection	549	0.18 %
Net Energy	302,579	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:	00:00:00 Hour
Total Set On Bus	16,249 MW
TNB Generation	3,158 MW
IPP Generation	11,186 MW
Spinning Reserve	1,897 MW
Maximum Demand	14,315 MW
Net Energy	302,579 MWH
Load Factor	88.07 %

Fuel Cost

Total Cost:	42,540,061.21 RM
Cost per Unit	14.03 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	227
Hydro	247
Syncon	627
Thermal	645
Total	1,746

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	51
TJGS	114
Total TNB	165
CBPS	54
NPRI	159
PGLA	1
Total IPP	215
Total Gas	379
Total Gas Required	379

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	14315	13744	13113	12540	12128	11896	11762	11484	11037	11221	11475	11671	11964	12263	12573	12768	12728	12684	12446	12871	14223	14196	13835	13717

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 9:51:51 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	603	601	601	598	502	500	502	499	401	401	401	403	402	401	400	351	300	301	301	301	302	303	301	302	301	302	301	302	390	503	501	399	402	402	400	357	351	351	546	693	694	694	691	691	692	691	697	680	
JMHE	U001	955	949	877	881	882	800	750	746	753	750	751	753	752	748	750	749	751	749	745	750	750	751	748	750	751	752	748	750	751	749	750	748	755	751	797	801	800	801	879	882	924	921	919	924	920	923	921	849	
JMHE	U002	954	948	878	879	880	800	746	751	750	751	753	752	752	748	747	747	750	752	748	752	750	752	750	751	752	752	747	750	747	749	751	750	752	753	799	803	800	803	884	882	921	921	921	922	919	921	919	847	
JMJG	U001	669	679	660	667	657	657	665	668	667	667	667	668	666	665	634	543	550	547	550	547	547	545	565	658	668	668	672	671	671	672	666	662	667	668	667	670	664	671	664	662	671	671	669	671	667	671	670	667	
JMJG	U002	670	671	674	676	674	672	673	677	670	677	673	654	669	667	649	565	548	549	548	548	551	547	569	629	672	670	668	671	666	671	670	672	672	667	671	673	671	673	674	671	671	671	670	674	672	670	667		
JMJG	U003	660	662	666	667	668	670	665	666	663	664	667	668	668	671	640	572	576	542	546	546	548	546	585	656	671	671	676	671	677	663	671	668	670	672	675	668	672	669	673	670	667	670	666	668	667	671	666	667	
JMJG	U005	889	889	888	888	887	829	771	750	750	752	749	750	752	749	752	750	747	750	749	750	752	750	749	751	753	749	752	749	753	748	750	752	751	797	801	798	804	881	881	891	889	885	894	887	892	889	889		
PKLG	U003	159	159	159	136	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PKLG	U004	158	162	153	158	157	159	158	155	158	156	157	157	158	158	158	154	159	152	153	151	152	151	151	150	150	150	153	151	154	152	153	151	152	152	153	159	158	222	262	265	259	276	285	261	177	167	168		
PKLG	U006	267	267	271	270	267	266	269	269	271	269	266	271	269	266	271	268	267	270	266	269	267	267	269	269	268	270	265	271	269	268	268	271	270	266	269	270	267	269	318	412	449	448	449	449	423	349	332	331	
TBIN	U001	667	601	600	598	548	497	500	591	600	599	597	579	460	404	401	304	303	301	301	303	301	300	301	301	301	300	401	504	554	599	599	601	600	601	531	501	500	607	683	689	689	692	690	690	693	688	691		
TBIN	U002	668	602	603	604	555	500	504	591	501	503	503	492	390	403	403	298	304	301	303	303	302	302	303	303	302	302	383	402	402	404	390	388	401	398	401	402	401	399	401	402	401	400	401	399	310	207	209		
TBIN	U003	203	86	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TBIN	U004	953	950	884	883	884	843	777	752	752	752	752	752	752	753	752	752	753	752	752	753	750	752	753	752	753	751	752	753	752	753	751	747	752	753	751	787	805	801	803	805	804	825	916	923	923	926	923	924	921
Total ST-Coal		8475	8226	7924	7905	7618	7193	6980	7115	6936	6941	6936	6899	6688	6633	6557	6053	6010	5964	5964	5969	5972	5969	6044	6271	6339	6343	6334	6525	6733	6887	6928	6812	6834	6839	7009	6931	6888	6901	7551	7906	8069	8150	8162	8188	8125	7893	7750	7586	
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		
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		
CBPS	BLK2	358	358	361	351	358	366	362	352	361	352	342	344	362	359	350	366	361	361	360	360	361	366	363	363	359	359	362	366	362	366	362	360	360	352	360	362	362	352	374	362	359	357	357	352	359	362	359		
EMPP	BLK1	754	754	754	756	752	750	751	755	754	755	756	756	753	755	757	754	756	754	752	750	748	747	749	747	750	746	746	742	744	744	742	745	742	744	742	741	742	741	744	740	745	744	748	750	751	748	748	750	
GLGR	GT01	100	100	101	100	67	69	68	66	67	68	67	68	68	67	69	67	68	67	67	67	67	68	68	67	67	67	68	66	67	68	66	101	101	100	99	100	101	101	101	101	100	100	101	100	102	101	101		
GLGR	GT02	101	100	101	100	67	68	68	67	68	68	68	68	68	68	67	68	67	67	67	67	68	68	67	67	67	67	67	67	67	67	102	100	100	100	100	100	99	100	100	100	100	100	100	101	100	99	101		
GLGR	ST1C	91	91	91	91	73	72	72	72	72	72	72	72	72	72	72	72	72	72	72	73	73	72	73	73	73	73	72	73	72	88	91	91	91	92	92	91	92	92	91	91	91	91	91	92	91				
NPRI	BLK1	511	514	514	493	509	520	515	503	515	506	490	493	517	512	497	515	515	515	505	509	515	517	515	515	515	512	516	521	516	516	513	506	509	514	503	515	515	521	508	527	515	511	508	514	503	516	515	515	
NPRI	BLK2	488	517	518	469	515	521	518	487	516	489	458	386	529	523	486	528	529	528	516	507	527	523	524	524	520	505	523	521	518	517	518	503	514	526	493	517	524	526	497	524	527	523	507	525	499	529	528	529	
PCGP	PGRG	401	401	402	403	401	408	402	402	402	402	403	404	400	403	404	402	402	400	396	402	402	402	401	401	597	605	611	603	603	600	590	595	600	585	603	603	606	594	619	603	597	593	604	586	604	605	602		
PGLA	GT12	199	118	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SPGP	BLK1	720	719	720	721	720	719	718	718	720	720	720	717	718	719	719	719	720	721	720	720	719	719	721	720	718	719	719	716	717	711	714	718	719	720	718	720	719	719	720	720	719	720	718	720	717	719	718		
SPGP	BLK2	719	720	719	719	719	717	719	718	719	719	719	718	719	717	720	718	720	719	718	719	718	720	719	718	718	718	718	717	719	718	718	718	717	719	718	718	718	717	719	717	717	720	717	717	719	718			
TJGS	GT1B	214	225	224	226	165	165	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TJGS	ST1C	107	117	117	117	93	90	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TJGS	GT2A	211	212	217	207	211	220	219	209	216	210	204	173	151	212	199	170	165	205	199	200	204	226	219	219	216	216	222	222	218	223	217	214	214	214	214	186	188	188	144	225	219	216	213	217	212	221	219	219	
TJGS	GT2B	208	209	214	205	209	217	216	208	214	208	204	168	149	209	198	167	162	201	195	198	199	220	215	215	215	214	220																						

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	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	100	100	98	98
KNYR	HY02	56	59	88	57	59	99	97	58	92	59	54	52	97	76	57	100	61	72	59	58	91	99	63	67	
KNYR	HY03	95	98	98	94	98	99	97	97	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	100	98	98	
KNYR	HY04	96	99	99	96	99	100	99	99	58	58	53	51	59	0	0	0	0	0	0	0	103	102	102	100	100
LPIA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	15	18	22	22	18
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	15	18	22	20	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	3
PGAU	HY01	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	20	20	20	20
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	20	0	0
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	51	31	31	31	31	31	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	30	30	30	30	0
SIHY	HY03	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	30	30	30	30	30	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	17	17	17	0
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	19	17	17	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	22	17	17	17	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	17	25	25	17	17	17	0
TMGR	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	33
TMGR	HY02	44	44	64	39	44	89	82	42	52	43	37	39	86	46	39	88	44	45	42	44	52	88	46	49	55
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	34	33	33	33
UPIA	HY01	5	5	5	5	5	6	6	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		435	416	465	399	415	503	492	431	316	273	256	253	357	236	207	303	220	231	214	215	258	303	290	302	284
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	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	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	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	0
GBLS	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
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	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	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	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	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	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	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	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	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	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	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	0
PCUF	CUFG	4	3	4	3	4	4	3	3	3	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4
PCUF	CUFK	4	3	3	3	4	4	3	4	3	3	3	4	4	3	3	4	4	2	3	3	3	3	3	5	4
Total Co-Gen		8	6	7	6	8	8	6	7	6	6	7	8	8	5	8	8	6	6	8	5	8	5	10	4	8
Total Gen		14352	14058	13744	13518	13153	12864	12508	12363	12136	12042	11951	11766	11771	11740	11558	11156	11067	11204	11241	11305	11465	11593	11672	11908	
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
TIE-HVDC		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	30	29
TIE-PLTG		17	48	-20	59	20	-43	-52	24	-12	-18	35	1	-11	15	54	-36	11	23	1	8	-30	-29	-19	29	-2

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																									
Interconnection		47	78	10	89	50	-13	-22	54	18	12	65	31	19	45	84	-5	41	52	31	38	0	1	11	59	28	59	19	-1	32	12	59	39	-21	-33	1	-36	7	-32	45	-31	13	41	34	-7	59	-6	17	0	
System Total		14315	13990	13744	13439	13113	12887	12540	12319	12128	12040	11896	11745	11762	11705	11484	11172	11037	11163	11221	11277	11475	11602	11671	11859	11964	12065	12263	12484	12573	12836	12768	12740	12728	12712	12684	12567	12446	12536	12871	13921	14223	14217	14196	14052	13835	13806	13717	13580	
SRev ST-Coal		515	593	752	672	686	714	740	732	740	734	736	752	738	738	818	880	879	879	879	878	879	879	881	801	731	732	725	674	656	662	663	679	674	659	663	661	661	656	584	450	345	339	327	301	364	386	442	451	
SRev CCGT-Gas		542	566	447	530	622	572	537	450	381	438	509	655	540	393	476	486	502	401	440	444	406	346	360	364	380	203	159	152	178	161	185	133	115	96	162	177	163	148	331	42	71	101	134	84	159	74	70	79	
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	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	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	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	0
Syncon		678	678	678	678	678	678	527	779	779	779	779	779	779	779	779	779	779	779	779	779	779	678	678	678	779	779	779	779	779	779	779	653	653	653	653	653	653	692	591	339	339	339	339	339	490	252	252		
Hydro		164	133	84	150	134	46	57	269	132	175	192	195	91	112	141	44	127	116	133	133	90	45	159	147	165	127	101	43	165	193	221	135	193	190	210	206	200	136	411	287	526	555	566	429	441	238	404	386	
S.Reserve Total		1899	1970	1961	2030	2120	2010	2012	1978	2032	2126	2216	2381	2148	2022	2214	2189	2287	2175	2231	2234	2154	2049	2078	1990	1954	1841	1764	1648	1778	1795	1848	1726	1635	1598	1688	1697	1677	1593	2018	1370	1281	1334	1366	1153	1303	1188	1168	1168	