

Daily System Generation Summary on Thursday

Thursday, November 5, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,036 MW
Distillate	0 MW
Total TNB	2,036 MW
Total IPP	17,793 MW
Total Co-Gen	0 MW
Total System	22,652 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,247	4.83 %
Gas	38,121	10.67 %
Total TNB	55,368	15.50 %
ST-Coal	247,606	69.32 %
LSS	2,965	0.83 %
Gas	51,816	14.51 %
Total IPP	302,387	84.65 %
Co-Gen	169	0.05 %
Total Co-Gen	169	0.05 %
Total Generation	357,924	100.20 %
PLTG	-22	-0.01 %
HVDC	733	0.21 %
Interconnection	711	0.20 %
Net Energy	357,213	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:	14:30:00 Hour
Total Set On Bus	18,321 MW
TNB Generation	3,120 MW
IPP Generation	13,657 MW
Spinning Reserve	1,538 MW
Maximum Demand	16,785 MW
Net Energy	357,213 MWH
Load Factor	88.67 %

Fuel Cost

Total Cost:	44,099,048.81 RM
Cost per Unit	12.32 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	229
Hydro	593
Syncon	425
Thermal	301
Total	1,548

Time	Weather	Temperature
Afternoon	Sunny	32
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	167
Total TNB	196
CBPS	48
NPRI	155
PLPS	44
Total IPP	246
Total Gas	442
Total Gas Required	442

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	14084	13496	12951	12634	12423	12303	12577	12635	13119	14830	15696	16257	16288	16118	16457	16700	16633	16374	15552	16029	16401	16205	15585	15067

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, December 1, 2020 9:48:37 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Thursday

		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		694	600	548	500	450	431	400	400	401	399	401	403	453	456	449	402	399	561	693	692	690	695	692	693	692	693	692	694	691	692	693	692	691	693	691	693	692	693	692	693	693	693	693	693	693				
JMAH	U002		694	604	553	500	451	402	403	404	403	401	403	406	455	454	452	400	402	544	684	690	699	696	695	695	695	687	699	694	693	691	695	694	692	691	695	695	695	696	692	697	695	696	698	695	694	693	695	695	
JMHE	U001		780	780	785	777	777	781	778	781	783	779	777	782	779	786	776	782	780	778	841	983	370	331	341	347	344	344	345	345	346	345	345	345	346	344	343	345	344	344	349	345	344	346	346	345	343	345	345	345	
JMHE	U002		781	783	785	776	779	781	777	778	780	779	777	780	779	783	776	780	780	777	847	980	981	982	980	981	978	978	980	982	977	979	980	979	980	979	981	977	979	977	980	984	976	978	981	977	978	977	980	979	981
JMJG	U001		636	595	558	495	458	450	450	454	450	444	446	479	503	500	499	493	559	629	671	674	666	669	670	662	663	666	662	668	661	638	629	634	632	636	623	627	635	630	629	631	632	632	635	629	630				
JMJG	U002		655	591	574	522	456	454	464	464	464	464	464	464	464	465	470	466	469	508	562	628	667	671	675	677	664	675	674	669	667	674	677	673	678	671	676	679	659	676	666	679	678	674	677	667	677	668			
JMJG	U003		649	589	573	542	487	453	457	451	457	456	458	455	456	454	458	456	457	497	559	635	664	665	668	656	669	662	669	660	669	665	666	660	666	663	664	678	657	667	671	667	662	670	663	667	667	665	663	666	
JMJG	U004		713	706	704	698	697	695	695	694	701	696	698	694	698	698	697	696	697	699	697	695	695	705	763	837	899	898	900	900	895	895	896	895	895	895	895	895	895	895	895	895	897	895	897	896	896	876	815		
JMJG	U005		705	706	708	701	705	705	705	705	705	705	705	705	704	705	705	705	706	706	704	702	702	710	761	801	803	801	801	804	803	800	795	794	806	796	799	797	797	797	793	798	798	800	797	796	796	798	796	695	
PKLG	U003		283	283	281	281	282	247	206	202	147	151	152	153	152	152	210	210	273	282	284	280	286	277	277	283	281	281	280	280	281	282	281	282	280	278	279	280	281	279	279	279	279	279	281	280	284	283			
PKLG	U004		272	272	276	276	272	239	206	200	156	155	151	154	155	154	193	202	246	273	280	277	278	277	275	276	274	276	275	277	271	273	274	275	274	274	277	281	274	273	276	272	277	275	280	278	271	276			
PKLG	U005		475	466	466	467	467	428	408	391	302	268	265	271	268	269	337	361	426	467	468	467	466	466	469	468	468	468	467	466	468	468	467	466	466	468	468	466	468	466	466	468	468	467	463	467	464	468	466		
PKLG	U006		445	451	451	449	449	448	447	447	444	447	447	447	448	450	448	447	449	449	445	451	450	447	445	446	445	449	445	448	451	449	449	451	449	450	449	446	450	443	386	367	373	360	356	358	429	447	446	442	
TBIN	U001		687	687	686	687	690	689	689	687	689	599	600	600	650	666	688	689	690	690	694	689	693	691	694	693	690	693	691	689	692	691	689	692	690	690	693	689	687	690	689	687	690	690	690	691	684	690	689	690	692
TBIN	U002		692	692	695	689	691	693	690	690	692	601	603	605	653	669	691	692	694	693	693	691	694	693	690	693	692	693	692	691	689	692	690	690	692	692	691	693	692	691	693	692	692	691	692	695	691	695	694	692	
TBIN	U003		693	691	691	692	691	690	690	693	692	600	603	605	652	666	692	692	690	692	693	691	693	691	691	692	693	691	690	693	692	693	691	689	692	690	689	692	690	689	692	691	691	691	691	691	689	691	689		
TBIN	U004		800	780	783	782	780	783	780	782	782	781	781	781	781	784	781	782	782	782	782	861	947	982	983	983	981	982	983	981	983	981	984	982	983	982	981	983	981	982	982	982	983	983	984	983	979	981	983		
Total ST-Coal			10654	102761	10117	9834	9582	9369	9245	9213	9046	8729	8731	8784	9050	9111	9320	9262	9439	9891	10483	11047	10634	10666	10760	10882	10932	10931	10943	10935	10938	10935	10932	10904	10904	10884	10904	10910	10890	10892	10822	10823	10810	10824	10803	10816	10882	10893	10878	10711	
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		202	229	221	223	222	223	224	223	222	232	230	234	224	231	210	225	218	226	234	297	358	366	366	351	282	339	351	348	350	352	351	350	351	351	346	353	350	351	369	363	354	362	362	361	339	365	357	334	
GLGR	GT01		70	97	97	95	95	97	94	96	96	96	95	97	96	97	95	97	95	96	95	96	96	96	94	96	93	95	96	96	96	94	101	103	102	103	103	95	94	95	103	103	101	101	101	99	96	95	96		
GLGR	GT02		67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	ST1C		72	44	40	40	41	41	40	40	41	40	40	40	40	40	41	40	40	40	40	41	40	41	40	40	41	40	40	40	42	42	42	42	42	42	41	40	41	42	42	42	42	42	42	40	40	40	40		
NPRI	BLK1		505	536	530	523	524	532	529	529	530	539	533	545	531	533	482	428	516	519	522	522	515	527	516	526	514	500	513	508	517	517	514	515	515	515	511	517	512	516	522	515	506	512	512	511	482	516	513	517	
NPRI	BLK2		487	518	511	505	506	514	510	511	511	520	509	517	507	520	484	428	517	520	523	517	517	524	517	525	515	500	513	509	517	518	514	516	517	516	509	516	512	515	523	515	507	514	514	511	482	517	514	517	
PCGP	PRGR		568	610	602	593	596	607	602	601	603	614	605	622	603	626	575	603	603	607	611	604	603	622	602	615	600	580	600	592	604	604	601	601	603	600	596	601	599	603	610	603	591	600	598	596	562	602	600	603	
PLPS	GT11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	124	115	111	115	134	134	133	134	133	133	131	133	133	144	144	141	143	143	143	129	128	134	134		
PLPS	GT13		125	125	124	124	125	124	125	125	125	125	125	125	125	126	125	125	124	125	125	124	126	130	128	124	122	120	112	108	111	129	129	130	131	130	129	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	ST18		58	58	58	58	57	57	58	58	57	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	139	139	133	135	143	142	142	141	140	141	87	59	61	63	62	59	59	58	58	55	58	58	58	
SPGP	BLK1		176	175	173	175	193	200	190	201	194	330	330	330	330	261	301	313	362	358	358	358	360	374	362	370	242	480	504	712	717	717	713	713	717	717	716	718	721	726	722	722	726	726	727	730	330	159	172		
TJGS	GT1A		128	0	0	0	0	0	0	0	0	0	0																																						

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		
KNRG	HY02	24	25	25	24	24	0	0	0	0	0	0	0	0	38	38	38	37	37	37	37	37	37	23	23	23	
KNRG	HY03	20	22	21	21	21	24	38	38	38	38	38	38	38	24	24	36	36	36	36	36	36	36	21	20	22	
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	55	-1	-1	61	62	76	62	94	94	94	51	98	73	
KNYR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	93	92	70	57	92	92	92	63	58	61	60	97	
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	94	94	94	94	-1	-1	-1	
KNYR	HY04	53	99	57	60	59	93	87	77	75	101	100	100	71	101	57	69	78	99	99	80	62	98	98	98	80	
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	
LPIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21	20	20	18	18	18	19	19	19	
MNOR	HY01	5	5	5	3	3	3	3	3	3	3	3	3	5	5	6	6	6	7	7	7	7	7	6	6	8	
PGAU	HY01	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	20	20	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY04	0	0	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	51	51	0	0	0	0	0	0	0	0	0	0	0	31	31	31	31	31	31	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	0	0	0	0	0	0	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	30	30	30	
SYPS	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0	
SYPS	HY02	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	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	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	-1	
TMGR	HY02	40	88	45	47	46	81	62	61	57	88	88	88	57	88	41	58	66	87	87	56	47	85	86	86	46	
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	0	
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	105	-1	-1	-1	98	99	-1	93	-1	93	97	90	-1	
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UPIA	HY01	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
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		328	426	295	318	294	321	311	300	294	352	350	349	312	456	314	346	374	812	812	604	1028	1129	1423	1427	1409	907
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
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	13	16	13	21	23	18	21	27	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	12	13	12	18	1	16	17	31	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	10	15	20	24	27	29	30	30	20	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	18	12	21	13	38	43	47	46	15	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	15	21	26	31	32	39	33	25	26	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	11	17	20	9	25	7	28	23	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	14	22	28	33	33	30	35	38	31	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	13	18	26	25	36	40	39	43	46	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	18	24	30	34	36	37	37	41	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	9	18	23	28	20	22	25	30	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	15	27	34	36	45	44	29	24	46	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	18	23	35	45	49	29	33	58	13	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	14	20	26	32	30	33	31	33	42	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	83	164	221	304	337	400	392	377	425	391	
PCUF	CUFG	5	4	4	2	3	4	3	5	4	3	3	3	4	4	3	4	6	3	3	5	5	5	7	6	5	
PCUF	CUFK	4	4	3	1	1	4	3	4	3	2	3	4	3	3	4	2	3	3	3	4	4	4	4	3	3	
Total Co-Gen		9	8	7	3	4	8	6	9	7	5	6	7	7	7	8	3	5	5	6	8	7	4	8	3	8	
Total Gen		14158	13743	13481	13257	12988	12866	12644	12618	12436	12352	12321	12425	12590	12785	12706	12660	13130	14125	14795	15285	15675	15960	16284	16425	16320	

Daily MW Generation on Thursday

[illegible]