

Daily System Generation Summary on Thursday

Thursday, August 27, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,322 MW
Distillate	0 MW
Total TNB	2,322 MW
Total IPP	19,193 MW
Total Co-Gen	0 MW
Total System	24,338 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,683	6.08 %
Gas	30,677	8.22 %
Total TNB	53,360	14.31 %
ST-Coal	265,932	71.30 %
LSS	3,069	0.82 %
Gas	50,473	13.53 %
Total IPP	319,474	85.65 %
Co-Gen	264	0.07 %
Total Co-Gen	264	0.07 %
Total Generation	373,098	100.03 %
PLTG	-615	-0.16 %
HVDC	721	0.19 %
Interconnection	106	0.03 %
Net Energy	372,992	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	19,124 MW
TNB Generation	2,695 MW
IPP Generation	14,940 MW
Spinning Reserve	1,484 MW
Maximum Demand	17,644 MW
Net Energy	372,992 MWH
Load Factor	88.08 %

Fuel Cost

Total Cost:	52,731,237.76 RM
Cost per Unit	14.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	388
Hydro	312
Syncon	555
Thermal	267
Total	1,522

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	28
TJGS	189
Total TNB	218
CBPS	47
NPRI	121
PGLA	77
SKSP	23
Total IPP	268
Total Gas	486
Total Gas Required	486

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	15133	14370	13867	13429	13152	12953	13184	13112	13707	15405	16239	16836	16797	16620	17327	17567	17556	17176	15971	15774	16914	16887	16489	16049

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, September 4, 2020 10:36:47 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	692	692	692	694	692	692	599	601	602	601	667	694	693	692	694	691	694	691	692	691	693	693	692	691	694	692	693	692	693	694	692	693	692	694	692	691	694	692											
JMAH	U002		696	690	694	693	694	693	695	696	695	693	610	600	605	693	694	691	697	694	698	695	694	691	697	693	701	694	696	694	695	689	695	693	694	694	696	694	695	692	694	694	696									
JMHE	U001		979	954	780	779	780	777	782	782	780	779	782	779	778	777	780	781	780	782	951	981	981	979	983	979	978	977	982	984	982	978	981	979	982	978	981	983	981	984	975	981	981	978	979	977	978	980	978	981		
JMHE	U002		979	978	977	781	782	777	779	779	781	781	781	779	779	779	781	779	779	781	952	980	980	979	980	980	977	976	980	979	984	978	981	981	982	981	982	981	984	981	983	981	979	982	978	981	981	981	981			
JMJG	U001		597	598	596	596	562	542	548	547	548	550	546	549	547	543	541	551	545	568	594	600	595	644	675	668	672	673	671	671	672	672	669	673	667	677	668	673	626	573	576	596	598	596	593	593	580	580	580	580		
JMJG	U002		652	644	640	599	596	544	542	549	548	550	546	550	546	551	539	537	557	557	595	608	594	644	675	671	671	674	672	673	672	675	673	675	674	673	672	672	671	679	673	632	571	581	593	596	598	597	597	580	580	580
JMJG	U003		589	595	590	596	593	552	544	545	545	546	544	546	545	545	542	542	543	554	591	596	593	642	669	668	666	671	669	666	663	667	667	667	672	669	667	667	669	667	626	574	581	593	596	596	592	592	580	580	580	580
JMJG	U004		933	931	931	883	798	782	782	782	781	781	781	783	781	782	782	783	782	783	785	843	900	930	930	931	930	930	932	930	931	932	931	933	931	926	926	924	924	925	925	926	925	926	925	926	926	930	850	800	800	
JMJG	U005		719	725	726	725	725	725	727	722	725	724	727	725	726	725	725	728	726	727	727	729	727	730	732	730	732	729	730	733	733	729	730	731	732	730	733	732	731	732	731	733	730	731	731	728	728	730	730	730		
PKLG	U003		278	276	276	275	277	273	273	276	273	278	275	278	277	277	278	277	274	275	274	274	279	276	276	278	279	276	276	276	276	276	275	276	275	276	276	277	276	277	273	274	274	274	275	277	276	277	276	277		
PKLG	U004		278	280	279	279	278	278	271	279	278	279	278	278	279	277	278	278	270	277	279	278	278	280	279	278	278	279	276	279	278	277	278	279	273	278	279	276	277	276	277	275	279	277	278	268	280	282	280	280		
PKLG	U005		470	467	467	467	468	462	467	470	467	464	464	468	466	467	467	468	473	465	466	464	466	466	468	467	466	464	466	468	464	468	468	468	468	466	466	466	466	468	468	467	467	468	464	467	468	468	471	465	466	
PKLG	U006		451	448	449	450	448	449	446	449	451	449	451	449	451	448	449	451	449	449	449	450	449	451	448	446	448	448	445	448	449	445	446	445	446	446	446	446	446	449	450	449	446	446	448	449	449	450	444	447	446	
TBIN	U001		690	689	690	690	689	692	689	691	690	690	690	690	691	691	690	690	687	687	689	688	691	687	686	689	688	688	689	689	688	688	689	689	690	690	689	690	691	690	689	689	688	690	690	690	688	691	688	691		
TBIN	U002		692	692	691	692	692	693	693	693	692	692	692	692	693	693	692	692	691	692	692	691	691	692	691	692	691	691	694	692	692	692	695	692	688	688	689	687	691	692	691	691	692	689	693	693	692	694	692	694	694	
TBIN	U003		694	689	691	690	689	690	689	691	691	691	692	693	690	688	690	692	690	692	692	684	689	689	691	689	691	689	687	691	689	687	691	692	690	690	689	687	691	691	691	692	689	693	688	690	692	694	692	691	691	
TBIN	U004		983	977	893	800	781	781	782	784	783	781	782	780	782	784	781	782	781	783	933	920	982	983	982	978	982	980	984	982	984	983	982	983	979	984	981	981	984	983	982	981	982	983	982	983	982	981	982	983		
Total ST-Coal			113741132511068106871054410404104021042710328103291024610237103011041610404104121042210456109601118011277114531155511535115361153811539115521154211535115461153811546115321154111550115471142811236112751129711313113191130811298112771119211148																																																	
Total ST-Oil			000																																																	

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	HY01	36	36	36	36	0	0	0	0	0	0	0	0	0	36	36	36	36	36	23	23	23	23	23	23									
KNRG	HY02	37	37	37	37	0	0	0	0	0	0	0	0	0	37	37	37	37	37	22	22	23	23	23	23									
KNRG	HY03	36	36	36	36	38	38	38	38	38	38	38	36	36	36	36	36	36	36	21	21	21	21	21	21									
KNYR	HY01	97	96	98	95	96	97	97	0	0	0	0	0	97	97	97	95	95	97	97	94	98	98	98	98									
KNYR	HY02	99	97	99	96	97	98	98	-1	-1	-1	-1	-1	-1	96	96	95	95	95	95	96	100	100	100	99									
KNYR	HY03	98	97	99	98	98	98	98	-1	-1	-1	-1	-1	-1	98	98	97	97	97	97	96	100	100	100	99									
KNYR	HY04	99	98	99	96	95	58	58	94	95	90	98	96	100	98	75	103	96	100	86	98	99	96	93	59									
LPIA	HY01	15	15	15	15	15	15	16	15	14	14	14	14	14	15	15	15	15	17	17	17	17	17	17	15									
LPIA	HY02	15	15	15	15	15	15	15	14	14	14	14	14	14	15	15	15	15	16	17	17	17	17	17	15									
MNOR	HY01	5	5	5	5	5	3	3	3	3	3	3	3	3	3	3	3	3	6	6	6	6	6	6	3									
PGAU	HY01	0	0	0	0	0	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	21	-1	-1	-1									
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	21	-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	20	21	21	21	0	0	0									
SIHY	HY02	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	0									
SIHY	HY03	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	50	49	50	50	50	50	0									
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	0									
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	0									
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	0									
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	0									
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	84	83	84	82	83	84	83	83	83	84									
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	85	85	85	85	85	84	81	83	85	84	85	85									
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	82	80	77	79	82	81	82	82	82									
TMGR	HY04	80	30	31	80	80	33	32	33	33	33	32	33	36	36	36	36	81	81	81	79	76	78	81	80									
UJLI	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									
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									
UPIA	HY01	4	4	4	4	5	5	5	5	5	5	5	5	5	4	4	5	5	5	5	5	5	5	5	5									
UPIA	HY02	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	5									
Total Hydro		910	728	737	775	673	557	537	420	257	279	253	261	257	250	248	223	255	803	819	913	924	1095	1095	1091	1075	1042	1068	1100	1164	1286	1432	1408	
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	1	4	6	6	8	9	10	16	25	28	17	27	25	27	26	24	21	13	7	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	7	10	22	25	28	30	28	28	25	34	18	6	27	26	13	20	17	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	11	17	23	11	23	37	47	39	24	39	12	34	46	9	35	32	29	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	18	24	30	32	37	27	35	41	30	31	45	42	31	33	25	24	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	12	16	19	23	25	27	28	30	30	30	30	28	26	22	17	15	11	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	17	24	29	35	31	27	9	9	41	32	5	38	45	41	37	32	28	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	13	19	26	32	8	10	43	43	43	49	43	49	47	26	31	32	31	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	13	28	31	34	37	39	42	35	33	25	44	39	38	28	30	24	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	7	14	20	23	23	24	25	28	25	8	1	7	10	15	7	3	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	12	10	23	30	34	39	42	39	44	48	48	46	46	43	39	35	29	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	13	22	27	37	34	28	27	40	52	57	57	56	52	49	42	36	31	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	8	8	25	28	19	33	32	33	23	22	14	39	23	38	36	25	18	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	8	50	106	149	229	282	288	338	387	384	377	428	387	400	410	361	377	313	289	
PCUF	CUFG	3	3	4	3	3	3	4	3	3	4	3	4	3	4	2	3	4	4	3	4	2	4	4	3	3	3	35	37	37	36	36	6	
PCUF	CUFK	2	3	4	4	4	4	4	3	4	4	3	3	4	3	4	3	4	3	4	4	2	11	8	9	8	10	4	4	3	4	4	4	
Total Co-Gen		5	6	8	7	7	7	8	7	6	7	8	6	7	7	5	6	7	5	8	7	7	7	5	8	7	7	5	46	45	46	44	46	10
Total Gen		15130	14678	14352	14057	13853	13662	13426	13269	13139	13074	12922	13076	13190	13368	13131	13065	13641	14785	15470	15956	16268	16613	16872	16983	16798	16660	16601	16967	17340	17640	17555	17590	
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

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	
TIE-HVDC		31	31	31	30	30	31	31	30	30	31	31	30	30	31	31	30	30	31	31	29	29	31	31	30	30	30	30	30	29	29	30	30	29	29	30	30	30	30	29	29	30	29	29	29	31	31		
TIE-PLTG		-27	-26	-42	-49	-37	-38	-26	-16	-36	-45	-54	-31	-18	4	-4	-5	-89	-2	42	-7	7	10	13	-34	-22	-4	-42	-69	-10	-27	-34	15	-12	3	-9	-16	-19	-62	-3	-51	3	-26	-38	-30	-43	-99	-67	-59
Interconnection		4	5	-11	-19	-7	-7	4	14	-6	-15	-24	-1	13	34	26	25	-59	29	72	22	36	40	43	-3	8	26	-12	-40	20	3	-5	44	18	33	20	13	11	-31	27	-21	32	3	-8	-1	-14	-70	-36	-28
System Total		15133	14680	14370	14083	13867	13676	13429	13262	13152	13096	12953	13084	13184	13341	13112	13047	13707	14763	15405	15941	16239	16580	16836	16993	16797	16641	16620	17014	17327	17644	17567	17553	17556	17538	17176	16560	15971	15721	15774	16687	16914	16947	16887	16659	16489	16340	16049	15760
SRev ST-Coal		331	380	629	680	769	880	888	864	935	933	997	996	971	874	891	880	866	836	627	525	428	252	150	170	169	167	166	153	163	170	159	167	159	173	164	155	158	277	324	305	327	319	313	316	326	305	390	397
SRev CCGT-Gas		1132	1354	1434	1385	1344	1279	1494	1558	1425	1514	1558	1401	1348	1278	1502	1557	1065	561	438	346	195	432	455	370	535	638	774	762	456	279	513	461	431	389	579	711	1151	1086	617	205	243	247	324	366	327	454	294	382
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	
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	
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	
Syncon		700	826	826	826	826	826	1078	1179	1028	1179	1179	1179	1179	1179	1179	1179	851	851	851	851	676	676	676	676	525	676	525	676	676	676	525	338	338	338	676	676	802	802	676	489	338	338	338	338	525	525	338	676
Hydro		225	156	147	109	63	99	269	134	96	225	100	92	96	103	105	130	98	183	191	208	197	201	198	202	369	251	376	196	232	360	365	576	574	579	234	179	128	104	164	400	254	260	261	427	255	313	470	131
S.Reserve Total		2388	2716	3036	3000	3002	3084	3477	3634	3635	3700	3834	3668	3594	3434	3677	3746	3208	2431	2107	1930	1671	1561	1479	1418	1598	1732	1841	1787	1527	1485	1562	1542	1502	1479	1653	1721	2239	2269	1781	1399	1162	1164	1236	1447	1433	1597	1492	1586