

Daily System Generation Summary on Saturday

Saturday, October 24, 2020

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,097 MW
Distillate	0 MW
Total TNB	2,097 MW
Total IPP	16,793 MW
Total Co-Gen	0 MW
Total System	21,133 MW

Generation Mix

Type	MWh	Percentage
Hydro	22,167	6.44 %
Gas	27,380	7.95 %
Total TNB	49,547	14.39 %
ST-Coal	246,364	71.57 %
LSS	2,333	0.68 %
Gas	46,665	13.56 %
Total IPP	295,362	85.80 %
Co-Gen	153	0.04 %
Total Co-Gen	153	0.04 %
Total Generation	345,062	100.24 %
PLTG	92	0.03 %
HVDC	734	0.21 %
Interconnection	826	0.24 %
Net Energy	344,236	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:	19:30:00 Hour
Total Set On Bus	16,483 MW
TNB Generation	3,208 MW
IPP Generation	12,873 MW
Spinning Reserve	396 MW
Maximum Demand	15,984 MW
Net Energy	344,236 MWH
Load Factor	89.73 %

Fuel Cost

Total Cost:	42,718,842.32 RM
Cost per Unit	12.38 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	132
Hydro	335
Syncon	473
Thermal	357
Total	1,297

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	52
SRDG	17
TJGS	111

Total TNB 180

CBPS	50
NPRI	78
PGLA	14
PLPS	80

Total IPP 222

Total Gas 402

Total Gas Required 402

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	15024	14255	13788	13398	13044	12730	12740	12537	12413	13548	14322	14805	14726	14554	15027	15193	15067	14715	14486	15304	15982	15742	15272	14965

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, November 5, 2020 8:35:08 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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	693	688	691	691	691	694	694	692	688	603	603	604	603	601	600	604	664	692	690	693	691	693	691	694	688	692	667	696	692	692	693	695	693	694	691	693	692	693	700	703	694	691	679	692	693	693	692	693	
JMAH	U002	696	695	693	702	693	701	704	694	697	606	605	605	602	605	603	605	664	684	693	692	692	693	692	694	688	692	699	693	694	693	694	695	693	695	693	698	693	693	691	702	705	694	696	692	695	693	692	693	693
JMHE	U001	980	975	977	982	973	981	978	783	778	781	778	780	781	778	782	778	777	845	851	898	941	939	934	939	942	937	940	940	942	938	939	942	937	940	940	938	945	977	981	981	979	980	980	974	978	981	980		
JMHE	U002	981	974	978	979	975	984	978	780	783	783	782	593	671	786	777	783	779	778	846	854	903	946	939	933	936	941	935	939	935	942	938	939	943	936	942	935	944	942	978	976	980	980	982	980	976	979	979	977	
JMJG	U001	671	667	672	667	673	667	670	675	675	618	599	598	597	593	595	580	548	609	669	668	673	672	667	672	670	655	648	647	660	666	673	671	670	662	664	663	667	665	667	679	673	673	669	672	673	672	671	674	
JMJG	U002	678	673	674	668	671	663	673	673	672	612	603	595	599	597	601	585	547	608	679	671	670	672	672	672	673	664	649	643	664	673	676	672	674	672	673	667	677	667	674	688	670	672	670	671	677	671	677	674	
JMJG	U003	668	668	664	666	662	667	662	661	666	623	612	590	596	592	592	581	551	608	668	664	671	663	675	668	670	649	634	643	662	668	668	671	670	675	669	663	669	657	667	679	660	670	666	666	667	666	662	667	
JMJG	U004	862	783	725	711	712	739	740	739	738	738	739	742	740	740	741	743	741	742	742	746	830	888	939	939	939	904	901	934	942	941	941	940	940	939	941	942	942	979	968	972	968	967	970	970	971	971	936		
JMJG	U005	801	800	800	804	799	766	725	732	730	732	731	729	733	730	732	735	732	729	730	803	800	801	801	800	799	798	799	804	801	799	793	801	801	796	798	801	799	795	799	804	801	804	801	803	799	800	801	800	
PKLG	U004	277	276	274	274	288	276	275	274	273	275	270	277	275	274	268	277	276	275	275	278	280	276	277	277	278	277	277	278	276	277	280	277	277	276	276	272	279	276	276	278	276	282	280	274	276	278	276	280	
PKLG	U005	466	467	467	468	467	467	467	470	467	467	468	468	468	468	468	468	468	467	466	467	468	467	468	467	466	468	466	465	465	467	469	470	467	467	464	467	467	467	467	468	472	468	468	466	464	464	466		
PKLG	U006	447	448	449	444	451	447	448	448	447	451	447	449	448	452	449	447	448	447	446	449	447	447	452	445	449	451	447	448	449	447	449	449	451	445	442	442	444	444	443	445	443	445	445	443	448	449	449	449	
TBIN	U002	689	690	694	694	691	692	691	689	692	689	687	693	691	692	692	687	693	691	697	687	695	690	690	695	691	691	690	692	689	692	691	691	691	691	692	685	691	692	692	701	703	697	697	692	692	693	695	692	692
TBIN	U003	691	691	684	687	688	691	691	691	691	690	691	694	690	691	690	693	691	690	690	690	690	693	697	690	690	691	692	692	691	691	693	692	689	690	691	690	692	692	701	701	689	690	690	692	689	689	688	688	
TBIN	U004	983	984	983	983	982	949	863	781	782	781	783	783	783	783	783	783	783	782	851	853	894	941	945	940	940	940	943	942	943	943	941	943	941	941	941	941	941	941	942	982	983	982	982	981	982	982	983		
Total ST-Coal		10583	10479	10425	10420	10416	10384	10259	9782	9779	9449	9398	9200	9276	9385	9369	9352	9363	9580	9988	10065	10304	10488	10536	10521	10522	10464	10379	10458	10502	10532	10537	10537	10550	10517	10515	10498	10536	10510	10713	10760	10680	10701	10663	10679	10676	10679	10679	10651	
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	
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	
CBPS	BLK2	358	362	366	362	228	224	219	218	220	222	215	224	222	256	306	359	360	362	363	354	354	357	355	358	357	356	356	355	357	357	357	353	360	360	361	361	361	361	361	360	360	362	362	365	365	360			
GLGR	GT01	68	67	68	68	67	68	68	68	67	68	67	69	68	67	68	68	68	68	75	105	103	104	104	103	102	67	105	104	104	105	103	106	103	104	103	103	103	106	104	103	103	105	103	104	104	87			
GLGR	GT02	67	68	68	68	67	68	67	68	67	68	68	68	67	68	68	68	68	75	104	104	104	104	104	67	105	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104	86			
GLGR	ST1C	72	72	73	72	73	72	73	73	73	73	73	72	73	73	73	72	72	73	93	93	94	93	93	94	78	92	93	93	93	93	93	93	93	93	94	94	93	93	93	93	93	93	94	94	94	87			
NPRI	BLK2	524	518	527	524	533	526	518	522	515	516	503	527	521	518	509	518	517	520	520	512	517	517	521	512	505	513	514	518	523	523	515	520	518	522	520	521	520	525	518	521	521	520	521	520	514	522	521	518	
PCGP	PGRG	603	595	614	601	613	604	593	602	595	595	585	638	606	603	589	600	598	602	603	604	599	603	604	596	587	603	595	603	615	614	601	602	603	610	601	601	604	610	601	604	604	600	602	602	592	604	604	601	
PGLA	GT11	164	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PGLA	GT12	167	170	161	210	212	210	207	210	151	150	146	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		
PGLA	ST10	204	91	93	109	111	108	106	107	89	89	62	0	0	0	0	0	0	0	0	0	0	0	0	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	145	146	127	129	128	129	127	128	129	128	128	129	128	129	128	129	128	128	128	126	127	129	129	130	127	131	129	131	135	133	130	130	130	134	131	130	130	135	131	131	130	130	130	130	129	130	130		
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	145	140	144	144	146	148	143	144	143	146	144	143	144	144	148	144	143	143	143	143	144	144	143	143	143		
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	84	141	140	140	136	140	139	140	142	142	139	140	141	145	140	140	140	144	140	140	140	140	139	140	139	140	139	140		
PLPS	ST18	60	60	56	58	58	56	57	58	58	58	57	57	58	58	56	57	58	58	58	58	114	142	144	211	212	213	211	211	213	213	209	210	210	210	209	211	211	211	211	212	212	212	212	212	212	212	212	212	
SPGP	BLK2	61	181																																															

Daily MW Generation on Saturday

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	
CEND	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	36	36	36	36	36	36	36	0	0	0	0	0	0	0	0	37	36	36	36	36	36	36	36	36	
KNRG	HY02	37	37	37	37	37	37	37	0	0	0	0	0	0	0	0	37	37	37	37	37	37	37	37	37	
KNRG	HY03	36	36	36	36	36	36	36	25	25	25	27	26	25	25	25	26	25	36	36	36	36	36	36	36	
KNYR	HY01	79	63	99	77	99	91	62	77	65	61	58	99	99	92	64	69	69	99	99	99	98	76	79	94	
KNYR	HY02	83	59	97	75	97	93	57	75	70	61	54	98	97	95	60	67	75	97	97	95	77	99	82	94	
KNYR	HY03	98	99	99	99	99	99	-1	-1	-1	-1	-1	95	95	95	95	-1	-1	99	99	99	99	99	99	99	
KNYR	HY04	98	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	17	18	18	18	18	18	18	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	19	
LPIA	HY02	17	17	17	17	17	17	17	17	15	15	15	15	15	18	18	18	20	20	20	20	20	20	20	20	
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	7	7	7	7	3	1	4	4	4	4	3	1	
PGAU	HY01	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	21	21	21	81	-1	-1	-1	-1	
PGAU	HY02	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	
PGAU	HY03	21	20	-1	-1	-1	-1	-1	-1	-1	-1	30	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	20	21	21		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	49	52	51	0	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	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	30	30	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	17	17	17	17	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25	25	25	25	25	25	
TMGR	HY01	82	82	83	42	83	42	41	42	-1	-1	82	82	82	83	32	32	32	82	82	82	81	82	82	81	
TMGR	HY02	85	85	86	73	86	87	45	72	61	62	43	86	86	86	43	52	67	86	85	85	85	85	85	85	
TMGR	HY03	82	82	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	83	0	0	0	82	80	80	80	80	80	80	
TMGR	HY04	83	83	0	0	0	0	0	0	0	0	0	0	0	9	83	81	81	81	74	39	84	64	83	83	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	97	-1	-1	-1	-1	90	-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	92	-1	-1	-1	-1	-1	-1	-1	
UPIA	HY01	6	6	6	6	6	6	6	6	6	5	6	5	5	5	5	6	5	6	5	6	6	6	6	6	
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Total Hydro		1011	852	719	621	719	667	459	519	319	304	276	716	781	770	588	359	395	576	950	1058	1113	1058	1081	1016	853
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	2	4	12	13	17	19	22	22	17	27	29	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	11	11	16	23	30	24	29	30	29	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	13	12	28	16	29	34	27	47	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	26	12	16	18	25	17	36	45	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	6	10	21	15	18	27	20	9	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	15	30	37	33	26	31	40	34	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	6	10	10	17	20	33	48	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	11	13	22	42	24	34	36	22	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	8	10	15	20	13	30	22	25	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	14	11	12	22	18	31	26	17	32	17	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	13	20	24	26	26	42	43	38	57	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	15	25	12	16	25	29	38	39	39	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	18	59	103	159	178	224	293	281	323	378	348	
PCUF	CUFG	3	4	4	3	2	4	3	4	3	4	3	4	4	3	3	4	4	3	3	4	3	6	4	3	
PCUF	CUFK	3	3	2	3	3	3	4	4	3	3	4	3	2	3	3	2	4	2	3	2	4	2	3	3	
Total Co-Gen		6	7	6	6	5	7	7	8	6	7	7	7	7	8	5	5	7	5	10	6	6	6	7	6	
Total Gen		15080	14701	14272	14177	13842	13766	13494	13268	13111	12919	12772	12759	12795	12827	12595	12406	12438	13036	13600	13896	14346	14674	14829	14929	

Daily MW Generation on Saturday

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