

Daily System Generation Summary on Saturday

Saturday, September 4, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,944 MW
Distillate	0 MW
Total TNB	1,944 MW
Total IPP	18,179 MW
Total Co-Gen	0 MW
Total System	23,071 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,058	4.89 %
Gas	36,917	11.25 %
Total TNB	52,975	16.15 %
ST-Coal	196,945	60.03 %
LSS	3,062	0.93 %
Gas	73,864	22.51 %
Total IPP	273,871	83.47 %
Co-Gen	1,301	0.40 %
Total Co-Gen	1,301	0.40 %
Total Generation	328,147	100.01 %
PLTG	741	0.23 %
HVDC	-692	-0.21 %
Interconnection	49	0.01 %
Net Energy	328,098	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:	20:00:00 Hour
Total Set On Bus	16,694 MW
TNB Generation	2,375 MW
IPP Generation	12,841 MW
Spinning Reserve	1,425 MW
Maximum Demand	15,307 MW
Net Energy	328,098 MWH
Load Factor	89.31 %

Fuel Cost

Total Cost:	50,773,185.21 RM
Cost per Unit	15.46 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	192
Hydro	147
Syncon	700
Thermal	682
Total	1,721

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	110
Total TNB	139

CBPS	55
KLPP	2
NPRI	80
PGLA	110
PLPS	42
Total IPP	289
Total Gas	428

Total Gas Required	428
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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	14191	13476	13070	12699	12380	12256	12147	12040	12026	12825	13440	13870	13857	13834	14234	14495	14595	14315	13984	14119	15307	15059	14806	14636

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, October 6, 2021 10:43:30 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	552	551	429	403	403	401	401	402	401	403	365	299	301	301	301	301	300	351	351	405	350	403	465	511	491	453	453	502	589	603	604	601	604	651	651	599	558	551	565	693	691	694	693	693	694	693	691	651	631		
JMAH	U002	554	555	424	407	404	402	404	404	407	404	364	299	308	305	305	307	305	357	352	410	359	404	465	506	503	453	455	512	607	605	605	603	600	657	656	605	555	554	568	690	695	694	698	697	697	698	676	635			
JMHE	U001	980	977	900	896	899	851	781	780	781	782	784	781	776	780	781	777	783	781	781	838	879	880	879	881	877	882	881	883	879	879	901	900	903	900	900	900	900	901	898	989	977	984	980	984	978	983	981	930			
JMHE	U002	979	979	899	900	898	851	783	779	780	781	784	780	780	780	778	779	782	779	781	888	877	879	880	882	875	883	880	881	880	879	901	902	899	901	901	901	902	900	898	902	984	979	983	983	984	977	980	980	913		
JMJG	U001	599	598	596	604	596	598	596	598	597	596	598	598	601	596	538	500	461	533	642	673	673	680	686	676	674	673	671	672	671	662	669	673	672	673	672	671	673	675	673	673	674	651	654	656	660	654	657	655			
JMJG	U003	589	596	594	590	598	596	596	587	590	594	594	593	596	594	513	500	456	492	556	643	666	666	666	667	667	663	668	666	667	667	665	669	670	674	666	668	664	664	658	667	670	646	652	656	658	654	654	655			
JMJG	U004	985	953	906	887	832	786	789	788	789	790	789	786	790	788	788	787	786	790	789	819	887	885	892	888	892	891	892	888	889	889	904	907	906	906	906	906	906	906	906	906	972	975	972	974	973	974	973	974	973	970	967
JMJG	U005	889	891	891	853	800	795	801	796	798	797	800	800	801	800	800	798	803	798	798	833	879	881	881	881	881	877	881	879	874	873	891	892	883	888	890	889	889	886	886	889	886	887	889	885	887	889	885	887	886	888	
PKLG	U005	269	269	269	268	268	269	269	269	268	269	269	269	269	269	271	269	269	269	267	269	270	269	268	270	269	269	269	268	268	269	269	269	270	269	270	267	269	348	426	405	358	354	267	269	269	267	271				
PKLG	U006	448	446	386	341	289	278	278	277	277	278	278	279	278	278	279	278	319	406	446	450	448	450	449	449	448	449	448	449	448	448	446	445	445	448	448	450	446	448	450	449	449	447	448	450	446	449	449	440	440		
TBIN	U001	447	399	401	401	399	400	378	299	301	300	301	301	300	301	300	300	354	349	398	350	397	399	451	421	400	401	448	450	541	549	549	598	595	499	498	498	498	500	547	603	600	599	527	498	499	500	500	500			
TBIN	U002	400	403	402	402	402	402	380	301	302	304	302	302	303	303	302	300	304	351	352	405	353	405	402	459	430	402	403	452	453	543	553	554	603	603	602	498	504	501	502	554	603	603	605	538	500	503	501	503			
TBIN	U004	981	932	902	902	902	853	853	856	853	853	852	852	853	853	854	853	853	853	852	883	883	882	883	885	883	883	882	886	884	883	903	903	904	901	903	903	904	903	973	983	983	983	983	984	983	983	962				
Total ST-Coal		8672	8549	7999	7854	7690	7482	7309	7136	7144	7151	7080	6939	6956	6948	6810	6749	6680	7027	7276	7910	7876	8069	8198	8406	8312	8177	8185	8387	8559	8750	8860	8867	8957	9070	9059	8760	8667	8652	8757	9507	9590	9504	9509	9295	9223	9224	9152	8963			
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	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	0		
CBPS	BLK2	357	361	359	366	361	357	365	367	360	355	362	361	357	361	364	359	370	361	359	349	359	360	363	357	348	361	363	368	359	366	365	366	362	361	356	360	363	359	366	362	357	363	349	363	361	360	360	360			
EMPP	BLK1	375	379	747	760	760	760	759	759	760	759	757	760	759	759	761	758	758	759	742	757	757	757	756	724	761	760	757	755	755	754	752	749	750	744	751	750	750	752	747	729	743	728	743	733	754	751	754				
GLGR	GT01	95	95	95	95	95	94	97	96	96	95	96	96	94	95	95	95	95	95	95	94	96	96	97	95	96	96	96	95	96	95	96	95	95	94	96	96	96	95	95	95	96	95	96	95	96	95	96				
GLGR	ST1C	41	41	40	40	41	40	41	41	41	40	40	40	40	40	40	40	41	40	40	40	40	41	41	41	40	41	41	41	41	42	41	40	41	41	41	41	41	41	41	41	40	41	40	41	40	41	41				
KLPP	GT14	137	136	81	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
KLPP	ST17	65	66	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
NPRI	BLK1	513	515	511	515	510	506	516	518	517	509	513	515	507	515	516	510	520	513	518	503	514	515	515	512	491	515	515	518	514	515	516	517	519	515	511	515	515	514	515	515	505	517	502	513	506	517	510	517			
PCGP	PGRG	603	600	597	604	597	591	602	608	604	594	600	603	594	604	604	596	613	602	606	586	603	603	603	604	570	599	603	609	602	605	604	610	613	603	598	604	603	606	604	603	590	602	585	600	591	601	596	604			
PGLA	GT11	218	218	216	218	216	215	218	215	198	174	177	194	205	212	199	172	207	217	212	217	216	216	215	208	191	182	217	182	212	204	210	204	191	176	171	197	180	214	205	212	217	211	215	214	216	215	218				
PGLA	GT12	222	221	220	222	220	220	223	219	202	177	181	199	209	217	204	177	211	222	221	218	220	221	220	219	212	195	185	221	187	215	210	214	208	196	180	175	201	185	217	209	217	220	217	220	217	221	219	221			
PGLA	ST10	238	237	237	237	237	236	235	232	216	210	205	228	220	231	224	205	220	238	239	235	239	239	241	240	234	225	220	227	224	234	224	225	239	224	210	216	233	211	230	216	237	237	235	235	236	238	236	234			
PLPS	GT11	129	129	129	128	129	125	128	131	128	127	129	129	124	129	128	124	132	128	128	124	128	129	129	129	121	128	129	133	128	128	129	131	133	128	127	125	126	124	127	126	123	127	107	111	109	127	129	128			
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	144	141	143	120	116	0	0	0				
PLPS	ST18	58	59	58	58	57	57	58	58	58	58	57	57	58	58	58	58	58	58	58	58	59	58	58	57	58	58	58	58	58	57	58	59	58	57	58	57	57	58	58	55	141	140	141	136	130	131	58	58	58		
SPGP	BLK2	722	723	725	726	725	725	723	723	723	726	726	723	723	722	721	723	724	724	725	722	721	720	722	719	717	709	718	706	711	709	713	714	712	716	721	723	722	723	725	724	723	725	722	723	722	723	725				
TJGS	GT2A	216	217	214	216	216	216	216	216	216	216	216	215	215	215																																					

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									
KNYR	HY02	97	97	97	97	97	97	97	97	97	95	97	96	97	96	97	96	97	97	96	96	97	95	96	96	96	96	96	96	96	96	96		
KNYR	HY03	96	96	96	96	96	96	96	96	96	94	96	96	96	96	96	96	96	96	96	96	94	96	96	96	96	96	96	96	96	96	96		
KNYR	HY04	98	98	98	98	98	98	98	98	98	95	98	98	98	98	98	97	98	98	98	98	98	94	97	97	97	97	98	98	98	97			
LPIA	HY01	23	23	23	23	23	23	23	23	23	23	23	23	23	26	26	26	26	26	26	26	26	18	24	24	24	24	16	16					
LPIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	14	0					
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	3	3			
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1			
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	0	0	0			
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30	30	30	0	0	0			
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	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	17	17	17	17	17	17	0	0	0	0			
TMGR	HY01	82	33	34	82	82	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	29	31	31	31	32		
TMGR	HY02	73	87	44	66	42	43	49	87	45	43	42	44	41	44	42	44	64	65	76	41	43	67	50	48	36	45	70	43	50	47	60		
TMGR	HY03	76	83	41	60	41	39	45	81	42	40	41	41	40	41	41	58	61	71	40	41	62	46	43	34	41	41	65	41	46	49	42		
UJLI	HY01	146	-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	-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	-1	-1	-1	-1	-1	-1	-1		
UPIA	HY01	6	6	5	5	6	6	6	6	6	6	5	5	6	6	6	5	5	6	5	5	6	5	5	6	5	5	6	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	5	5	5		
Total Hydro		1038	737	652	776	732	730	683	667	587	604	574	584	579	585	582	584	621	624	669	582	586	631	600	589	591	619	616	666	632	625	622	618	609
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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</															

Daily MW Generation on Saturday

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