

Daily System Generation Summary on Saturday

Saturday, May 8, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	15,674 MW
Total Co-Gen	0 MW
Total System	22,317 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,676	4.70 %
Gas	66,325	18.69 %
Total TNB	83,001	23.39 %
ST-Coal	209,684	59.09 %
LSS	2,990	0.84 %
Gas	58,920	16.60 %
Total IPP	271,594	76.54 %
Co-Gen	154	0.04 %
Total Co-Gen	154	0.04 %
Total Generation	354,749	99.97 %
PLTG	-829	-0.23 %
HVDC	720	0.20 %
Interconnection	-109	-0.03 %
Net Energy	354,858	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:	21:00:00 Hour
Total Set On Bus	17,536 MW
TNB Generation	4,444 MW
IPP Generation	11,806 MW
Spinning Reserve	1,278 MW
Maximum Demand	16,263 MW
Net Energy	354,858 MWH
Load Factor	90.92 %

Fuel Cost

Total Cost:	52,584,891.43 RM
Cost per Unit	14.82 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	551
Hydro	264
Syncon	535
Thermal	189
Total	1,539

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	194
Total TNB	244
CBPS	53
NPRI	154
PLPS	47
SKSP	1
YPKA	1
Total IPP	256
Total Gas	501
Total Gas Required	501

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	15460	14827	14259	13859	13490	13355	13199	12870	12634	13907	14705	15255	15296	15111	15618	15822	15617	15367	15181	15312	16046	16263	15803	15596

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 9:47:22 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	687	695	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																										
JMHE	U001	979	976	978	986	975	980	980	980	896	851	846	849	850	851	853	848	850	850	851	850	854	960	980	982	980	983	978	984	978	980	981	984	978	980	977	978	983	977	981	977										
JMHE	U002	984	976	978	983	976	980	980	981	896	850	847	852	850	849	850	847	850	852	850	850	851	981	979	984	976	982	977	982	978	975	979	980	980	983	983	980	984	979	980	981	981	978	980	977	978	980	982	979		
JMJG	U001	662	671	666	664	668	591	601	604	598	587	606	607	593	596	601	589	608	598	601	598	599	599	601	594	599	598	596	595	593	598	637	673	667	666	668	666	669	669	662	667	672	664	668	664	653	669	669	668		
JMJG	U002	672	675	673	672	673	672	669	673	673	670	672	673	672	673	672	672	673	671	669	673	675	672	669	672	677	671	673	678	672	676	672	672	673	672	673	671	673	673	671	677	672	676	674	676	674	672	668	677		
JMJG	U003	667	665	662	662	662	663	671	662	663	667	664	661	665	670	664	668	663	660	663	670	664	664	665	668	666	665	667	663	666	662	672	668	666	666	668	667	662	668	669	667	669	663	667	665	664	665	668	664		
JMJG	U005	887	892	887	892	887	888	890	888	887	890	892	890	889	891	887	890	888	892	891	887	894	892	889	891	890	891	885	894	888	892	890	887	891	891	889	889	891	887	887	889	889	889	891	890	891	888	885	887		
PKLG	U003	205	203	203	201	202	202	203	201	201	203	202	203	204	204	204	204	203	205	204	204	204	203	204	205	203	205	203	202	205	205	204	205	204	205	204	204	204	204	206	203	214	267	282	277	278	279	279	281	280	281
PKLG	U004	277	272	273	275	274	276	277	278	273	277	276	277	279	278	277	278	282	279	276	277	276	277	276	275	276	277	273	275	275	274	276	277	276	272	276	274	275	276	277	277	274	274	280	278	277	278				
PKLG	U006	447	449	448	445	449	449	450	446	447	449	449	449	449	447	449	452	449	447	445	447	445	449	448	446	449	450	449	447	445	450	448	448	448	447	448	449	446	452	450	449	449	450	446	447	449	449	451	446		
TBIN	U001	690	687	682	691	689	690	690	690	688	688	690	691	689	689	691	690	692	691	689	689	691	689	691	687	689	687	689	687	689	686	690	687	690	689	689	689	687	690	689	689	688	690	689	687	689	687	690	691		
TBIN	U002	685	691	687	687	690	691	690	691	688	691	689	691	687	690	689	692	689	690	694	692	692	691	689	693	693	692	693	692	687	691	692	686	692	691	693	692	690	693	691	693	690	691	691	689	692	690	693	691		
TBIN	U003	691	690	685	697	691	692	689	691	689	691	690	691	691	689	682	694	690	690	691	692	689	690	688	689	689	692	690	691	691	691	688	689	686	687	693	690	691	689	690	690	689	688	689	689	691	690	689	691	691	
TBIN	U004	980	981	980	981	982	979	983	984	936	853	852	853	853	853	853	853	852	853	853	853	854	924	981	983	982	982	982	983	984	980	981	984	985	982	983	983	983	983	984	983	982	983	985	982	984	983	981	983		
Total ST-Coal		9513	9523	8802	8836	8818	8753	8773	8769	8537	8369	8373	8384	8372	8382	8370	8376	8388	8377	8380	8384	8386	8692	8759	8770	8773	8773	8757	8772	8750	8753	8809	8833	8840	8841	8842	8833	8841	8839	8843	8909	8923	8902	8912	8898	8906	8908	8916	8913		
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	358	357	365	357	359	358	358	335	364	365	362	357	364	342	218	212	225	223	360	365	364	365	363	356	360	358	361	361	359	364	361	358	360	357	359	364	362	357	357	362	362	356	361	361	361	361	361	364	363	
EMPP	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	157	183	182	164	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
EMPP	BLK2	182	182	183	187	291	373	183	183	185	185	248	312	317	322	324	401	651	756	753	751	750	753	754	674	519	367	504	753	751	739	739	730	730	731	730	731	730	730	730	730	730	729	730	609	375	255	0			
GLGR	GT01	69	67	70	109	108	109	108	68	66	67	66	67	67	67	67	68	69	68	67	68	66	68	67	66	68	73	101	100	100	101	101	99	100	101	101	101	101	100	101	100	100	85	68	68	69	67				
GLGR	GT02	68	69	71	108	108	108	108	67	68	68	67	67	67	68	68	68	68	68	67	68	67	68	67	67	67	74	100	100	100	100	100	101	100	100	101	100	71	68	68	82	101	100	99	85	68	67	67			
GLGR	ST1C	71	72	72	96	96	96	96	78	72	72	72	72	71	72	72	72	72	72	73	72	72	72	73	72	73	74	91	91	91	91	91	91	91	91	91	91	80	72	72	77	91	91	91	91	83	73	72	72		
NPRI	BLK1	521	505	520	520	513	518	519	505	520	520	518	520	524	521	519	376	317	319	399	520	514	515	515	514	512	511	516	515	516	513	515	515	508	512	514	515	515	508	515	512	514	509	515	509	512	515	515	515		
NPRI	BLK2	520	503	518	516	512	518	516	505	514	504	460	396	368	359	331	320	398	451	526	533	470	502	526	503	505	503	523	512	511	526	527	509	449	491	509	523	491	436	472	493	506	458	460	491	514	518	518	517		
PCGP	PGRG	263	261	260	260	261	260	261	262	262	262	262	261	260	262	261	261	262	261	262	267	400	400	402	401	398	399	404	402	403	402	402	400	393	402	399	403	401	394	402	400	401	394	403	398	399	354	352	302		
PLPS	GT11	129	129	129	129	128	130	128	129	128	129	128	129	129	129	129	128	129	128	129	128	129	129	129	129	129	129	139	141	141	140	140	137	140	141	135	139	142	143	142	142	142	143	142	143	142	143	142			
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	140	139	139	139	139	139	139	139	139	139				
PLPS	ST18	57	58	57	57	57	57	57	56	56	57	57	57	57	56	58	57	56	57	57	58	56	57	57	57	56	56	60	58	58	58	58	58	57	58	59	56	144	144	144	144	144	144	143	144	143	144	143	143		
SKSP	BLK1	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	719	719	718	719	720	720	720	720	719	720	721	720	720	720	719	721	601	719	719	721	719	719	698	698	698	698	680	678	679	679	677	679	678	678	679	651	649	647	647	648	718	718	718	718	718	718	718	719	720	719
SPGP	BLK2	719	718	718	719	719	599	549	497	498	549	548	548	549	549	451	362	362	597	597	719	719	717	698	697																										

Daily MW Generation on Saturday

		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	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	HY04	8	8	8	8	8	7	7	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
HTRG	HY01	0	0	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HTRG	HY02	-1	-1	119	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNRG	HY01	23	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	36	36	36	36	36	
KNRG	HY02	21	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	38	38	38	37	37	
KNRG	HY03	23	23	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	36	36	36	36	
KNYR	HY01	56	56	101	93	99	100	99	97	101	100	100	100	100	59	59	55	58	60	60	63	59	60	59	59	60	59	
KNYR	HY02	84	57	102	55	71	99	67	57	101	86	84	87	96	95	61	55	79	92	100	102	99	76	99	72	80	98	
KNYR	HY03	-1	-1	102	93	98	100	98	96	100	101	101	99	99	58	58	55	-1	-1	-1	-1	-1	58	100	101	100	100	
KNYR	HY04	56	55	102	52	58	59	58	56	60	60	60	59	59	58	58	54	58	59	60	62	59	59	59	60	59	101	
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
LPIA	HY02	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	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	3	
PGAU	HY01	-1	-1	149	-1	-1	-1	19	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	18	-1	
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	31	31	31	48	48	48	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	31	31	31	31	50	50	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	50	50	50	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	25	25	25	25	25	25	25	20	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	16	20	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	16	16	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	25	25	25	25	17	17	
TMGR	HY01	57	39	86	43	43	61	42	38	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	84	
TMGR	HY02	59	41	86	45	45	63	44	39	64	74	47	52	60	62	43	40	50	62	88	88	77	65	88	65	70	81	
TMGR	HY03	32	30	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	84	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	
UJLI	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	93	93	91	85	-1	-1	
UJLI	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	93	93	95	94	86	92	
UPIA	HY01	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	
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	
Total Hydro		560	491	1143	526	558	625	551	547	558	553	523	528	545	464	430	388	375	403	437	446	423	435	435	327	338	355	387
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	2	8	12	15	18	20	20	27	25	27	29	29
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	17	20	21	23	27	30	29	30	20	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	13	17	22	24	29	16	27	30	18	30	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	18	25	30	23	36	42	33	39	42	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	8	21	25	30	25	35	29	17	36	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	9	11	8	19	18	20	20	20	29	26	30	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	17	21	27	33	41	42	32	41	36	
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	14	18	24	20	22	28	26	30	18	38	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	18	23	27	31	33	33	34	39	25	17	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	10	15	17	24	27	30	30	29	22	20	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	17	23	33	31	40	44	41	45	39	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	13	26	31	34	38	46	52	51	52	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	17	24	22	32	34	38	41	39	43	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	5	11	29	25	20	24	18	27	

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			
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	55	125	194	266	329	375	422	446	447	444	473	417	350	400	261	283	191	190	115	92	57	32	8	1	0	0	0	0	0	0	0	0		
PCUF	CUFG	4	2	3	4	4	4	3	4	2	3	3	3	2	4	4	3	3	4	4	4	3	2	3	4	4	4	4	4	3	4	4	4	4	3	4	2	3	4	4	3	4	4	4	3	3	3	4	2		
PCUF	CUFK	5	1	1	4	3	3	3	3	2	2	4	4	4	1	2	4	3	2	3	3	5	3	1	3	4	3	1	1	2	2	3	2	4	4	4	4	2	4	3	4	4	4	3	2	4	2	4	4	4	5
Total Co-Gen		9	3	4	8	7	7	6	6	4	7	7	7	3	6	8	6	5	7	7	9	6	3	6	8	7	5	5	6	5	7	6	8	8	7	8	4	7	7	8	7	7	6	8	5	7	7	8	7		
Total Gen		15405	15103	14910	14530	14261	14061	13832	13531	13504	13434	13359	13267	13231	13141	12849	12562	12606	13356	13853	14331	14660	15048	15242	15306	15266	15122	15089	15345	15622	15863	15814	15821	15594	15555	15328	15149	15183	15170	15314	15632	16040	16213	16258	16098	15806	15735	15561	15372		
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	0	0	0	0	0	0	0	0	0	0	0	0	0				
TIE-HVDC		30	30	29	29	31	31	30	30	31	31	30	30	31	31	29	29	29	30	30	31	31	31	31	31	30	30	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	29	29	29			
TIE-PLTG		-75	24	65	-53	-17	-61	-46	-5	-5	-30	-16	-33	12	-42	-40	-21	-48	-91	-74	-71	-66	-25	-33	-50	-51	-26	-43	-39	-14	-24	-27	-46	-43	-83	-59	-96	-17	-6	-18	-36	-26	7	-25	-15	-17	-87	-55	-10		
Interconnection		-45	54	94	-24	13	-31	-16	25	25	0	14	-3	42	-11	-11	9	-18	-62	-44	-41	-35	5	-3	-19	-20	5	-12	-9	14	5	2	-17	-13	-53	-29	-66	12	24	12	-6	4	37	5	15	13	-57	-25	19		
System Total		15460	15060	14827	14565	14259	14103	13859	13517	13490	13444	13355	13280	13199	13162	12870	12563	12634	13428	13907	14382	14705	15053	15255	15335	15296	15127	15111	15364	15618	15868	15822	15848	15617	15618	15367	15225	15181	15156	15312	15648	16046	16186	16263	16093	15803	15802	15596	15363		
SRev ST-Coal		186	176	197	163	181	156	140	140	362	394	380	375	389	380	395	382	374	387	383	378	380	217	150	139	136	136	152	137	159	156	137	166	159	158	157	166	158	160	156	162	148	169	159	173	165	163	155	158		
SRev CCGT-Gas		829	716	842	581	838	1122	1106	1400	1205	1105	1154	1325	1425	1453	1706	1968	2043	1632	1346	952	660	633	647	581	581	581	489	464	420	406	412	430	506	454	420	533	672	664	643	566	331	405	381	400	412	455	454	506		
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	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		
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		
Syncon		465	465	0	364	364	364	364	213	451	451	451	451	451	451	300	451	552	552	552	552	552	401	552	552	653	1027	1027	776	739	451	451	451	451	487	926	1027	876	1027	840	653	566	277	277	126	277	277	277	277		
Hydro		296	364	88	216	184	117	191	346	97	103	133	128	111	192	377	268	180	152	118	109	132	296	120	228	116	97	65	152	156	270	292	315	372	426	176	104	282	193	286	376	303	473	463	589	607	317	382	259		
S.Reserve Total		1776	1721	1127	1324	1567	1759	1801	2099	2115	2053	2118	2279	2376	2476	2778	3069	3149	2723	2399	1991	1724	1547	1469	1500	1486	1841	1733	1554	1474	1283	1292	1362	1488	1525	1679	1830	1988	2044	1925	1757	1348	1324	1280	1288	1461	1212	1268	1200		