

Daily System Generation Summary on Saturday

Saturday, May 7, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,038 MW
Distillate	0 MW
Total TNB	2,038 MW
Total IPP	18,738 MW
Total Co-Gen	0 MW
Total System	25,055 MW

Generation Mix

Type	MWh	Percentage
Hydro	11,167	3.23 %
Gas	52,584	15.21 %
Total TNB	63,751	18.44 %
ST-Coal	202,985	58.70 %
LSS	3,714	1.07 %
Gas	75,059	21.71 %
Total IPP	281,758	81.48 %
Co-Gen	1,191	0.34 %
Total Co-Gen	1,191	0.34 %
Total Generation	346,700	100.26 %
PLTG	174	0.05 %
HVDC	720	0.21 %
Interconnection	894	0.26 %
Net Energy	345,806	100.00 %

Maximum Demand Record

Date: 5/10/2022	19,101 MW
Date: 5/10/2022	396,694 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	17,344 MW
TNB Generation	4,045 MW
IPP Generation	12,029 MW
Spinning Reserve	1,220 MW
Maximum Demand	16,118 MW
Net Energy	345,806 MWH
Load Factor	89.39 %

Fuel Cost

Total Cost:	85,078,308.60 RM
Cost per Unit	24.54 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	734
Hydro	384
Syncon	575
Thermal	327
Total	2,020

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
GLGR	56
TJGS	137
Total TNB	193
CBPS	48
EMPP	206
NPRI	155
PCGP	69
SPGP	166
Total IPP	645
Total Gas	837
Total Gas Required	837

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	15343	14660	14058	13537	13109	12927	12809	12516	12329	13326	14093	14555	14493	14375	14840	15113	15175	15048	14714	15007	16118	16083	15725	15623

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, May 11, 2022 11:57:02 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	695	690	700	695	696	696	696	696	695	697	695	696	696	696	696	696	697	696	698	694	696	695	695	697	697	696	697	694	695	696	694																	
JMHE	U001	977	980	980	979	900	901	904	901	852	850	850	851	850	849	851	850	849	851	894	900	928	931	930	930	932	932	926	930	959	960	962	960																
JMHE	U002	979	978	978	982	898	901	900	904	852	851	851	851	849	851	850	849	850	851	850	850	894	900	929	929	928	931	931	930	931	962	958	961	961															
JMJG	U001	667	670	666	664	673	668	666	665	667	666	666	666	665	669	664	666	664	668	666	663	667	665	667	667	667	667	665	668	668	665	669	668	667															
JMJG	U004	977	974	977	974	945	901	900	901	861	854	852	856	856	854	854	855	854	855	855	891	903	926	930	932	929	931	933	938	959	959	963	958	957															
JMJG	U005	972	970	969	971	921	899	899	898	846	848	852	849	848	848	851	849	848	850	852	849	900	898	931	930	929	931	931	932	951	959	962	960	961	962														
PKLG	U003	258	258	258	255	259	260	259	258	256	257	259	258	256	258	255	257	255	256	255	257	256	256	257	258	256	260	255	258	258	269	259	258	258															
PKLG	U004	276	277	274	274	272	274	274	274	271	275	272	274	276	272	271	273	273	273	272	272	272	274	279	272	272	273	271	274	273	275	276	274	275	272														
TBIN	U001	688	687	688	687	694	689	687	689	689	689	689	689	687	689	687	688	689	683	686	689	688	689	689	689	689	687	686	687	687	689	689	689	689															
TBIN	U002	694	692	692	691	692	691	687	694	693	692	693	691	689	690	692	691	694	693	690	690	690	692	693	691	691	695	689	692	692	691	694	689	692															
TBIN	U003	0	0	0	0	106	209	220	282	359	356	511	603	718	693	686	694	689	690	695	690	705	693	690	706	692	690	705	694	687	692	694	690	704															
TBIN	U004	934	937	935	936	904	904	902	905	853	854	855	853	854	855	851	853	852	853	853	852	888	904	939	938	930	932	934	933	932	931	933	935	933	932														
Total ST-Coal		8117	8113	8117	8108	7960	7993	7994	8067	7894	7888	8044	8137	8246	8225	8224	8219	8217	8223	8222	8206	8436	8468	8621	8639	8612	8619	8634	8627	8635	8673	8747	8740	8755	8748	8744	8737	8734	8731	8733	8726	8804	8811	8798	8798	8795	8799	8796	8801
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	363	360	362	361	361	358	365	326	226	219	219	220	225	224	221	219	220	220	223	224	250	325	357	354	347	323	274	296	313	355	360	358	358	331	222	221	228	272	356	362	365	358	361	368	359	365	369	370
EMPP	BLK1	377	374	374	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMPP	BLK2	659	615	684	710	701	669	716	677	713	697	707	695	710	702	604	464	441	587	711	710	703	709	707	708	693	709	709	708	712	708	708	706	708	706	670	642	672	707	714	713	706	712	707	709	702	709	712	707
EMPP	BLK3	658	615	684	710	701	669	715	677	713	696	706	697	710	700	602	465	442	588	710	709	707	711	707	709	692	711	709	710	711	709	708	708	708	706	674	639	674	708	710	713	707	710	708	709	706	709	712	708
GLGR	GT01	107	107	107	109	107	108	108	108	73	66	67	67	68	67	68	67	69	68	67	67	94	104	102	103	103	83	66	77	91	104	103	108	108	107	107	107	108	108	108	108	108	109	109	109	110	110	110	110
GLGR	GT02	108	108	108	108	108	108	108	72	68	68	67	68	68	68	68	68	68	68	68	68	97	104	104	103	104	83	67	79	92	103	103	106	107	106	106	106	107	107	107	107	107	107	107	107	109	108	106	
GLGR	ST1C	98	97	97	97	98	98	97	97	81	73	71	74	72	72	72	72	72	72	72	85	94	94	94	86	72	74	83	95	94	96	98	98	98	98	99	99	99	99	99	99	99	99	100	100	100	99	99	
NPRI	BLK1	529	529	529	532	530	527	530	527	533	530	528	454	350	348	349	350	348	350	347	398	509	514	508	512	497	514	514	514	515	515	510	526	524	523	528	525	527	525	524	524	524	526	526	530	522	524	532	528
NPRI	BLK2	530	527	529	533	528	527	533	529	534	529	529	350	350	349	335	334	335	337	335	523	514	520	514	504	487	511	520	521	524	524	516	526	511	500	519	521	526	523	518	522	523	520	518	530	508	523	531	527
PCGP	PGRG	602	604	603	599	601	599	613	600	613	602	403	403	399	401	401	403	403	401	402	401	398	405	402	401	404	403	404	402	405	407	403	403	401	400	401	403	402	401	409	410	400	400	403	406	401	402	410	401
SPGP	BLK1	717	574	404	403	399	399	401	398	400	401	400	398	400	405	401	400	401	493	549	549	596	571	548	549	545	498	549	600	601	653	677	678	677	672	598	606	617	610	631	681	713	705	716	704	679	650	655	600
SPGP	BLK2	717	578	401	402	401	400	403	399	400	402	401	399	401	404	402	401	400	500	550	550	547	550	547	550	547	495	548	551	602	652	650	648	679	669	594	603	622	614	626	682	712	706	711	709	688	650	654	599
TJGS	GT1A	158	160	159	179	178	124	125	181	175	179	173	173	173	177	172	173	173	175	173	174	175	232	232	232	237	167	173	210	173	233	235	167	169	222	229	134	124	121	159	220	222	220	223	223	220	221	221	
TJGS	GT1B	157	157	156	177	172	117	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163	202	213	131	116	115	152	217	216	213	213	213	213	218	214	217
TJGS	ST1C	188	192	192	203	203	162	71	81	88	88	88	88	88	88	88	88	88	88	88	88	101	116	119	119	93	89	102	91	118	118	90	87	214	252	191	165	165	189	248	248	248	248	248	248	248	248	248	
TJGS	GT2A	151	150	152	170	167	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	121	228	130	131	131	212	217	217	217	217	188	188	151	151		
TJGS	GT2B	146	146	146	164	166	119	224	209	160	159	160	160	159	161	159	159	161	160	159	159	159	159	159	159	220	157	159	157	220	220	221	221	221	163	118	226	126	127	127	209	214	211	212	211	183	182	145	144
TJGS	ST2C	206	206	206	218	218	196	123	118	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	122	96	96	96	124	121	121	121	121	99	85	242	197	194	194	240	251	251	253	253	232	232	206	206
Total CCGT-Gas		6471	6099	5893	5675	5639	5304	5206	5035	4877	4805	4620	4341	4269	4262	4039	3759	3717	4203	4550	4788	5018	5195	5193	5193	5211	4929	4949	5097	5257	5517	5527	5462	5640	5759	5535	5623	5440	5527	5754	6267	6332	6314	6328	6346	6169	6139	6077	5942
Total OCGT-Gas		0	0																																														

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				
LPIA	HY01	20	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	16	16	19	16	15	15	15	15	15	15	15	15			
LPIA	HY02	20	18	18	18	18	18	18	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	10	12	18	16	13	12	12	12	12	12	12	12			
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
PGAU	HY03	81	81	82	82	82	82	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	65	81	81	20	81	20	20	20			
PGAU	HY04	81	81	81	81	81	81	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20				
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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SYPS	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	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	46	47	62	83	87	52	86	42	69	56	43	43	84	43	44	42	60	84	83	86	43	68	42	43	40	43	48	81	86	86	42	71	43	43	64	86	86	86	87	84	84	63	50	84	44	57	84	84		
TMGR	HY02	36	36	36	36	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
TMGR	HY03	82	82	82	82	82	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	33	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
UJLI	HY01	97	98	96	98	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
UJLI	HY02	98	55	-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	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
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	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Total Hydro		804	725	682	706	514	479	310	266	296	281	268	268	310	269	269	267	286	309	307	312	268	294	265	267	252	256	271	342	372	374	460	619	421	419	442	401	401	381	398	844	938	922	912	741	759	712	742	738		
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	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	2	4	6	8	14	12	19	24	26	19	19	20	28	25	17	23	23	20	19	15	7	5	4	1	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	1	2	6	10	11	11	23	27	25	24	30	31	18	19	23	14	15	20	4	3	0	0	1	1	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	3	6	8	13	17	21	26	28	25	25	31	32	32	22	12	6	7	14	9	6	2	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	1	6	8	11	17	24	17	28	18	28	44	33	32	27	30	26	21	17	28	15	10	8	3	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	1	2	0	0	0	0	5	7	6	7	5	5	10	13	18	18	10	7	6	5	3	2	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	1	4	8	15	23	26	30	33	40	38	47	40	37	36	46	24	17	20	16	13	6	2	0	0	0	0	0	0	0	0	0	0	0	0	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	13	13	21	23	25	23	25	21	22	18	19	15	10	13	10	8	2	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	1	7	11	14	10	19	20	11	13	24	35	26	23	23	24	21	24	21	17	11	6	4	1	0	0	0	0	0	0	0	0	0	0	0	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	11	19	29	39	48	60	74	77	75	77	85	95	78	73	82	50	27	31	27	19	9	5	4	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	1	4	8	13	17	21	28	31	33	33	39	39	43	43	18	7	9	14	11	13	9	4	2	0	0	0	0	0	0	0	0	0	0	0	0
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	11	12	19	24	26	24	26	24	30	27	9	27	9	9	5	6	3	2	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	1	4	9	11	12	16	24	30	30	17	22	30	30	13	17	10	29	12	17	11	7	4	2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	10	10	10	31	26	20	15	15	21	21	26	31	46	73	31	67	25	15	10	5	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	1	5	9	15	22	28	22	31	34	35	44	30	33	34	29	27	22	20	22	15	8	4	2	1	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	1	5	9	15	19	25	26	25	31	31	34	29	36	28	11	25	26	30	5	22	7	4	1	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	1	2	3	7	12	11	17	3	12	17	15	28	29	21	16	19	21	14	18	4	4	3	1	0	0	0	0	0	0	0	0	0	0		
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0																																					

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																								
System Total		15343	14913	14660	14442	14058	13749	13537	13391	13109	12953	12927	12751	12809	12758	12516	12277	12329	12912	13326	13668	14093	14414	14555	14621	14493	14363	14375	14708	14840	15019	15113	15158	15175	15232	15048	14893	14714	14710	15007	15842	16118	16060	16083	15922	15725	15642	15623	15461
SRev ST-Coal		165	169	165	174	419	482	489	415	490	488	434	492	529	549	567	558	561	555	554	572	511	503	361	343	370	363	348	355	347	309	235	242	227	234	238	245	248	251	249	256	178	171	184	184	187	183	186	181
SRev CCGT-Gas		605	977	1183	1026	1062	1397	1141	964	1122	1194	1379	1658	1730	1737	1960	2240	2282	1796	1449	1211	981	804	806	806	788	1070	1050	902	742	482	472	537	579	810	1034	1078	1261	1174	947	434	369	387	373	355	532	562	624	759
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		126	214	401	401	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	489	302	676	676	676	676	676	676	313	313	313	313	500	500	500	500	500	
Hydro		513	504	360	336	213	248	330	374	344	359	372	372	330	371	371	373	354	331	333	328	372	346	375	373	388	384	394	373	394	392	493	521	370	372	349	390	390	402	385	406	360	376	386	370	352	399	369	373
S.Reserve Total		1409	1864	2109	1937	2370	2803	2636	2429	2632	2717	2861	3198	3265	3333	3574	3847	3873	3358	3012	2787	2540	2329	2218	2198	2222	2493	2468	2306	2159	1859	1689	1602	1852	2092	2297	2389	2575	2503	2257	1409	1220	1247	1256	1409	1571	1644	1679	1813