

Daily System Generation Summary on Sunday

Sunday, May 8, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,438 MW
Distillate	0 MW
Total TNB	2,438 MW
Total IPP	19,485 MW
Total Co-Gen	0 MW
Total System	25,848 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,502	3.12 %
Gas	42,531	12.65 %
Total TNB	53,033	15.77 %
ST-Coal	210,334	62.56 %
LSS	4,358	1.30 %
Gas	67,773	20.16 %
Total IPP	282,465	84.01 %
Co-Gen	1,165	0.35 %
Total Co-Gen	1,165	0.35 %
Total Generation	336,663	100.13 %
PLTG	-270	-0.08 %
HVDC	720	0.21 %
Interconnection	450	0.13 %
Net Energy	336,213	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:	21:30:00 Hour
Total Set On Bus	18,054 MW
TNB Generation	3,161 MW
IPP Generation	12,855 MW
Spinning Reserve	1,990 MW
Maximum Demand	16,039 MW
Net Energy	336,213 MWH
Load Factor	87.34 %

Fuel Cost

Total Cost:	84,794,186.67 RM
Cost per Unit	25.19 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,905
Hydro	420
Syncon	448
Thermal	377
Total	3,150

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	97
Total TNB	149
CBPS	42
EMPP	210
NPRI	131
PCGP	64
SPGP	149
Total IPP	597
Total Gas	746
Total Gas Required	746

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	15225	14637	14061	13406	12893	12687	12668	12271	11853	12468	13165	13551	13616	13815	14114	14358	14530	14391	14047	14540	15815	15979	15917	15819

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, May 13, 2022 11:53:35 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Sunday

		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	693	694	694	697	696	695	697	696	697	695	694	696	695	673	599	569	657	657	706	703	706	705	707	706	705	702	705	657	706	704	706	707	706	706	707	706	707	707	705	704	715						
JMAH	U002		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	148	198	211	309	353	359	522	599	701	704	654	704	701	703	705	705	700	704	707	706	707	707	707	
JMHE	U001		983	983	981	929	904	907	898	902	853	849	850	852	848	849	854	851	848	849	852	851	846	850	851	898	906	897	900	897	901	900	936	931	930	936	930	930	933	930	925	931	976	973	977	976	974	974	985	980
JMHE	U002		973	979	973	904	902	904	899	894	851	850	849	850	849	850	856	849	847	849	852	851	848	851	901	901	897	901	900	901	902	932	930	931	933	929	932	931	931	925	930	979	979	981	979	981	978	981	981	
JMJG	U001		666	665	669	668	666	666	666	667	666	668	670	666	668	664	667	666	666	667	666	666	667	661	665	666	666	667	668	666	667	667	669	666	667	667	667	667	667	667	666	667	666	668	669	664				
JMJG	U004		977	977	979	972	917	901	904	857	854	856	854	856	855	854	855	855	854	854	849	854	855	854	884	900	900	902	900	900	900	931	931	930	930	931	928	931	932	931	932	976	977	978	980	977	976	978	979	
JMJG	U005		976	973	972	963	904	900	901	851	847	851	850	849	849	848	849	847	850	849	848	850	849	850	851	900	903	900	903	900	900	934	930	930	930	931	929	932	927	931	930	928	977	975	976	974	976	973	976	976
PKLG	U003		257	256	257	257	258	258	258	257	256	256	257	257	258	256	253	220	211	206	208	255	257	258	258	257	255	255	257	255	258	259	257	256	256	257	251	253	255	256	257	257	255	258	255	255	258	258		
PKLG	U004		274	273	272	276	272	272	273	273	274	272	274	273	275	274	272	226	205	204	205	255	275	282	275	273	270	274	273	275	274	272	274	275	273	274	270	255	254	273	273	267	274	272	269	275	271	271	275	272
TBIN	U001		683	688	684	690	689	688	689	687	685	689	688	690	686	684	654	597	601	656	689	700	697	696	696	697	694	696	696	698	698	696	698	698	700	695	696	697	697	696	697	696	698	697	696	698	698			
TBIN	U002		690	694	689	692	691	693	690	692	695	691	689	693	693	690	669	601	602	653	684	707	703	702	703	706	700	701	701	703	704	702	702	703	704	702	702	701	705	703	700	702	699	701	702	709	690			
TBIN	U003		692	691	690	691	693	689	691	692	691	693	693	691	692	691	683	603	601	654	693	701	701	704	700	701	701	699	701	701	701	701	701	701	702	700	699	707	699	700	699	701	702	698	700	703	701	693		
TBIN	U004		934	933	934	912	854	853	851	852	852	851	853	852	852	855	853	852	853	854	854	854	853	852	854	898	902	904	905	905	906	905	941	932	933	933	932	934	937	932	932	932	933	933	932	928	934	933	934	
Total ST-Coal			8800	8805	8802	8648	8447	8426	8417	8320	8221	8221	8220	8227	8219	8214	8140	7764	7708	7950	8058	8250	8253	8276	8264	8492	8541	8643	8707	8721	8824	8862	9039	9178	9258	9369	9356	9242	9341	9359	9349	9358	9550	9536	9547	9548	9540	9543	9572	9547
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	
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	
CBPS	BLK2		363	370	365	362	375	239	221	223	220	219	220	226	220	220	223	219	222	224	225	227	226	225	223	218	223	217	220	223	226	218	224	232	225	220	218	225	223	225	222	258	301	301	301	358	363	362	362	322
EMPP	BLK1		0	42	82	200	253	375	268	382	613	598	600	254	376	469	372	375	371	374	380	384	413	450	450	411	377	374	374	377	375	376	375	374	374	375	376	375	372	376	413	500	500	501	505	500	498	500	505	500
EMPP	BLK2		707	712	711	713	719	616	617	546	463	500	432	528	494	464	378	375	372	374	383	385	422	450	449	407	373	371	377	376	373	375	377	376	375	378	377	377	375	375	409	501	500	500	501	501	502	500	502	499
EMPP	BLK3		708	711	712	712	719	616	621	546	463	501	434	529	495	465	374	375	377	377	377	378	424	450	447	447	447	447	447	374	375	375	375	374	376	374	376	376	369	375	375	500	500	500	500	500	500	501	500	497
GLGR	GT01		111	111	111	110	111	89	67	68	68	104	103	104	103	103	95	85	86	67	69	69	67	68	68	67	67	68	88	73	67	68	66	68	68	65	66	69	67	98	108	108	109	108	108	109	107	109	110	
GLGR	GT02		107	107	107	108	108	88	68	68	68	104	103	104	103	104	94	84	84	67	68	67	67	68	67	68	67	68	88	72	67	67	67	67	67	67	67	67	68	99	107	107	107	107	108	107	108			
GLGR	ST1C		99	100	100	99	99	89	72	72	72	92	94	94	94	94	91	87	87	72	71	72	73	71	71	72	72	73	72	72	72	72	72	72	72	72	72	72	87	99	99	99	100	99	100	98	99	97		
NPRI	BLK1		526	533	532	530	537	530	530	529	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	175	397	524	527	527	528	514	515	512	514	515	511	515	518	515	515	515	514	515	515	519	516	
NPRI	BLK2		523	529	527	511	534	521	494	398	495	529	524	534	527	532	520	524	466	521	530	532	526	526	529	511	500	514	521	518	514	517	517	518	530	529	525	528	468	515	529	531	530	528	529	529	529	530	535	528
PCGP	PGRG		401	408	409	403	417	408	403	401	403	407	404	409	401	401	403	405	401	401	413	423	407	401	405	400	403	402	407	403	399	402	402	402	399	406	402	402	403	403	402	400	403	403	405	405	402	403	408	401
SPGP	BLK1		499	405	403	401	455	401	401	401	403	400	401	402	401	399	399	401	402	402	402	421	550	604	600	565	535	498	501	500	432	470	401	401	507	445	407	413	361	401	553	671	680	681	682	681	678	680	600	505
SPGP	BLK2		500	405	403	402	453	400	404	400	403	399	402	401	402	404	401	402	401	403	402	403	550	582	598	596	510	469	449	499	432	469	417	400	514	458	423	425	360	404	594	670	680	680	681	680	678	679	599	515
TJGS	GT1A		225	193	124	124	124	175	175	173	178	175	172	173	173	178	175	173	177	173	177	173	176	173	172	171	173	172	177	177	175	173	173	173	173	175	175	173	177	175	174	173	171	172						
TJGS	GT1B		218	186	115	119	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TJGS	ST1C		248	223	167	160	71	83	86	86	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89			
TJGS	GT2A		130	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TJGS	GT2B		126	117	227	230																																												

Daily MW Generation on Sunday

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	HY03	21	22	22	21	22	22	22	22	21	22	21	22	22	22	21	22	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	36	36	36	36	36	36	36	36							
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	16	17	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					
LPIA	HY02	12	12	12	12	12	12	12	12	11	11	11	11	11	11	12	17	16	15	16	16	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15				
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					
PGAU	HY03	20	20	20	20	20	20	20	21	82	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	21	21	21	21	21	21	21	21	21	21	21	21					
PGAU	HY04	20	20	20	20	20	20	20	20	81	20	20	20	20	20	20	20	20	20	21	21	21	20	20	20	20	20	20	20	20	20	19	20	20	20	20	20	20	20	20	20	20	20	20					
SIHY	HY02	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50	30	30	30	30	50	50	50	50	50	50				
SIHY	HY03	50	50	50	0	0	0	0	0	0	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	50	50	50	50	50	50	50	50						
SYPS	HY01	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	55	85	85	56	84	56	43	44	61	44	43	71	87	61	86	86	86	86	87	86	66	52	44	74	65	54	57	42	70	46	45	43	42	58	43	86	84	84	49	84	81	84	66	84	82			
TMGR	HY02	85	85	-1	-1	-1	-1	-1	-1	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	85	85	85	86	86	86	86	86		
TMGR	HY03	85	32	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	82	82	82	82	82	82	82			
TMGR	HY04	85	32	33	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	81	81	81	81	81	81	81	81	81	81				
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	-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	-1	-1	-1	111	108	108	109	107	-1	-1	-1	-1					
UPIA	HY01	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	7	6	5	5	5	5	5	5	5	5	5	5				
UPIA	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				
Total Hydro		710	636	552	313	309	281	267	269	442	269	265	296	312	243	231	236	270	250	278	278	277	276	276	318	303	296	301	294	284	301	333	406	388	385	380	337	360	346	414	833	833	920	959	967	846	822	840	839
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			
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	11	13	13	16	20	23	24	26	27	25	25	24	23	20	20	18	15	12	6	3	1	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	1	3	5	13	8	12	26	14	17	13	17	12	12	18	31	23	25	26	19	15	11	6	3	1	1	0	0	0	0	0	0	0	0	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	9	9	10	13	17	21	22	29	25	21	18	32	32	27	25	9	20	15	10	12	4	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	1	4	7	16	21	21	35	31	26	41	43	27	17	27	30	42	31	22	16	12	10	5	2	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	1	3	6	3	3	15	9	9	30	30	30	22	28	30	21	18	8	5	8	5	3	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	1	6	11	12	19	24	20	21	31	46	39	31	28	20	18	38	19	21	16	15	18	8	7	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	1	5	7	11	11	13	16	19	20	20	22	23	23	20	12	20	25	20	15	7	9	10	2	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	2	7	15	18	12	16	35	27	46	40	31	37	47	28	33	28	28	18	14	9	10	4	2	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	6	17	24	20	31	38	44	59	56	90	79	79	36	69	95	82	74	30	44	45	40	27	13	4	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	5	9	10	12	17	24	24	29	35	37	25	21	33	42	36	32	7	26	22	13	6	6	1	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	1	4	5	6	10	10	15	15	21	26	20	28	16	27	26	18	21	13	10	16	14	9	3	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	1	3	7	13	12	16	16	27	21	24	29	30	30	26	22	30	17	20	19	18	12	11	8	1	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	4	8	13	19	24	27	17	11	9	37	31	30	49	32	50	32	17	19	22	27	11	6	3	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	2	2	10	15	25	72	61	82	60	52	85	48	83	73	46	93	47	30	56	50	13	19	3	3	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	2	6	11	18	25	28	34	39	44	47	21	46	35	38	31	48	40	24	31	20	10	8	3	1	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	3	7	9	12	21	23	25	23	29	31	28	31	33	34	21	8	10	18	7	9	2	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	2	4	3	5	18	15	12	12	29	9	21	16	18	16	10	28	11	16	12	6	5	4	1	0	0	0	0	0	0	0	0	0		
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	24	20	15	25	30	30	12	24	21	30	30	28	30	17	14	11	8	16	24	5	1	0	0	0	0	0	0	0	0	0	0	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0																																		

Daily MW Generation on Sunday

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																									
Interconnection		22	-41	-10	-10	-11	-52	8	10	13	29	81	15	45	55	21	28	54	34	-8	-2	43	30	-51	-30	-15	40	9	35	3	-19	25	4	24	8	55	39	26	41	96	48	59	48	28	25	17	31	7	-7	
System Total		15225	14928	14637	14329	14061	13696	13406	13176	12893	12882	12687	12660	12668	12624	12271	11903	11853	12192	12468	12738	13165	13438	13551	13666	13616	13697	13815	14025	14114	14273	14358	14425	14530	14586	14391	14179	14047	14087	14540	15574	15815	15898	15979	16039	15917	15885	15819	15561	
SRev ST-Coal		182	177	180	334	535	548	557	555	558	554	556	552	555	560	646	854	845	746	641	532	518	503	515	463	537	542	538	530	526	534	371	396	392	313	326	438	338	323	333	324	132	146	135	134	142	139	110	135	
SRev CCGT-Gas		1014	1404	1356	1239	1175	1487	1692	1951	1869	1742	1880	1736	2077	2039	2339	2356	2422	2411	2369	2332	1965	1798	1785	1932	2117	2269	2209	2112	2352	2294	2405	2418	2208	2321	2405	2390	2574	2436	1933	1364	1304	1305	1291	1245	1247	1246	1386	1632	
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	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	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	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	0
Syncon		500	500	588	588	676	676	676	676	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	588	676	676	676	676	676	676	676	313	313	126	126	126	313	313	313	313	
Hydro		401	475	471	448	364	392	406	404	319	405	409	378	362	367	379	374	340	360	332	332	333	334	334	418	433	440	384	391	401	409	427	354	371	374	379	422	406	420	377	432	432	532	493	485	419	432	414	415	
S.Reserve Total		2097	2556	2595	2609	2750	3103	3331	3586	3334	3289	3433	3254	3582	3554	3952	4172	4195	4105	3930	3784	3404	3223	3222	3275	3549	3713	3719	3621	3867	3825	3791	3756	3647	3684	3786	3926	3994	3855	3319	2433	2181	2109	2045	1990	2121	2130	2223	2495	