

Daily System Generation Summary on Sunday

Sunday, June 26, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,136 MW
Distillate	0 MW
Total TNB	2,136 MW
Total IPP	16,664 MW
Total Co-Gen	0 MW
Total System	22,798 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,243	4.25 %
Gas	41,434	12.36 %
Total TNB	55,677	16.61 %
ST-Coal	188,428	56.22 %
LSS	4,692	1.40 %
Gas	84,753	25.29 %
Total IPP	277,873	82.91 %
Co-Gen	937	0.28 %
Total Co-Gen	937	0.28 %
Total Generation	334,487	99.80 %
PLTG	26	0.01 %
HVDC	-701	-0.21 %
Interconnection	-675	-0.20 %
Net Energy	335,162	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	17,547 MW
TNB Generation	3,414 MW
IPP Generation	12,518 MW
Spinning Reserve	1,578 MW
Maximum Demand	15,953 MW
Net Energy	335,162 MWH
Load Factor	87.54 %

Fuel Cost

Total Cost:	85,792,672.91 RM
Cost per Unit	25.67 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	883
Hydro	361
Syncon	563
Thermal	318
Total	2,125

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	134
Total TNB	164
CBPS	45
EMPP	191
NPRI	140
PCGP	85
PGLA	50
PLPS	49
SPGP	119
Total IPP	679
Total Gas	843
Total Gas Required	843

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	14897	14265	13726	13328	12939	12717	12733	12508	12066	12704	13373	13804	13715	13533	13951	14335	14572	14489	14156	14504	15839	15953	15660	15385

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, July 4, 2022 11:00:31 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		699	696	695	696	695	695	694	696	696	695	696	695	696	697	696	696	695	696	695	697	695	696	700	698	697	695	695	693	696		
JMAH	U002		687	696	694	696	696	698	697	697	695	695	694	694	695	694	691	697	696	693	694	700	695	693	694	702	699	699	695	696	694	694	
JMJG	U001		661	663	662	667	676	672	666	667	667	666	664	670	666	665	665	670	668	668	663	666	636	672	660	669	666	666	667	668	667	667	
JMJG	U002		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	190	246	320	430	496	517	513	513	508	545	612	673	680	
JMJG	U003		637	677	682	675	670	670	666	694	666	682	669	668	674	672	658	583	588	596	588	601	581	592	597	637	667	665	668	667	673	665	
JMJG	U004		972	971	972	972	938	877	851	851	853	852	849	854	852	851	854	852	854	854	851	852	850	851	883	884	883	886	884	884	889	884	887
JMJG	U005		946	945	945	946	919	919	918	921	921	923	920	920	919	921	919	916	919	920	917	918	921	918	920	920	920	922	917	918	921	922	
PKLG	U003		280	280	281	280	279	281	280	277	277	278	279	280	281	281	277	280	281	278	278	279	279	281	280	279	279	279	279	281	277	280	
PKLG	U004		272	275	271	265	271	272	273	265	269	268	269	274	273	271	271	271	270	271	272	273	272	273	269	272	281	275	276	275	270	272	
PKLG	U005		464	464	466	469	468	446	467	459	470	468	462	468	466	468	467	468	467	467	466	463	471	465	464	468	476	466	465	462	469	466	
PKLG	U006		448	448	449	447	448	445	440	443	441	445	444	444	444	444	449	450	446	448	447	448	449	445	449	446	449	449	449	449	449	448	
TBIN	U002		690	691	692	692	696	693	699	692	687	692	693	694	692	690	693	692	693	692	693	694	686	692	693	692	694	692	691	693	694	691	
TBIN	U004		940	940	939	942	886	853	854	853	852	854	852	850	854	852	851	854	852	851	853	851	852	852	883	881	885	883	883	884	885	883	
Total ST-Coal			7696	7746	7748	7747	7642	7521	7505	7515	7494	7518	7491	7509	7512	7505	7495	7426	7419	7436	7419	7436	7390	7438	7492	7545	7582	7570	7752	7834	7897	8016	
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	
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	
CBPS	BLK2		353	359	358	354	361	361	357	222	223	223	224	223	223	224	216	221	223	224	223	245	299	252	243	219	222	223	224	223	227	295	
EMPP	BLK1		611	678	693	659	703	694	658	709	643	655	604	570	603	588	524	405	515	536	507	589	710	700	711	686	693	597	518	674	668		
EMPP	BLK3		611	676	693	659	704	695	657	708	641	655	602	567	600	586	524	405	513	541	499	587	710	696	711	685	693	598	516	677	669		
GLGR	GT01		107	107	108	108	92	93	93	93	94	94	93	93	94	93	93	91	92	93	95	93	91	92	93	92	92	94	93	93	93		
GLGR	ST1C		45	44	45	43	41	41	40	39	39	41	41	40	40	40	39	40	39	40	41	39	39	41	40	40	41	41	41	41	41		
NPRI	BLK1		505	512	512	509	515	514	512	397	398	320	321	321	320	320	321	311	316	320	320	320	397	439	515	504	440	361	320	321	320		
NPRI	BLK2		498	508	445	513	399	400	394	398	400	335	334	335	335	335	326	332	336	336	336	415	410	400	440	368	334	335	336	341	393		
PCGP	PGRG		580	595	597	586	600	599	594	601	601	601	602	603	601	603	604	486	394	403	601	603	602	590	603	578	591	598	603	602	609	602	
PGLA	GT11		166	169	155	0	0	0	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		171	173	174	156	159	160	158	160	161	162	162	161	161	161	163	161	162	158	158	159	155	158	153	156	156	158	159	157	160		
PGLA	ST10		202	204	98	94	91	90	91	91	90	90	91	91	90	90	90	90	90	90	88	90	90	88	88	88	89	89	89	89	89	89	
PLPS	GT11		141	0	0	0	0	0	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	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	
PLPS	GT13		136	136	140	139	140	139	139	140	139	139	139	138	139	139	139	135	139	139	139	139	137	140	135	137	139	139	139	140	139	139	
PLPS	ST18		141	56	59	59	59	58	58	59	58	57	57	58	58	58	58	58	58	58	58	58	57	58	58	58	58	59	59	58	58	59	
SPGP	BLK1		723	723	723	724	723	722	723	724	722	723	726	724	725	724	725	651	651	725	724	723	722	722	716	714	708	708	707	705	701	702	
SPGP	BLK2		0	0	0	0	0	0	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	GT1A		213	218	196	173	120	120	120	120	122	119	119	118	122	122	122	118	119	119	119	119	119	119	119	119	119	119	119	119	182	171	
TJGS	GT1B		215	220	193	172	121	124	121	120	118	123	119	121	122	121	118	118	121	123	120	121	118	121	123	121	119	118	123	119	119	122	
TJGS	ST1C		215	246	242	208	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	193	211	
TJGS	GT2A		188	188	132	132	132	239	166	166	166	166	166	166	166	166	165	165	166	166	166	165	165	165	165	165	165	165	165	165	165	165	
TJGS	GT2B		182	182	126	126	126	126	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	ST2C		230	230	194	194	194	118	98	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	
Total CCGT-Gas			6233	6224	5883	5608	5445	5427	5237	5010	4873	4767	4657	4591	4654	4630	4502	4116	4185	4260	4456	4625	5040	5092	5157	5083	4955	4656	4468	4785	4770	4927	
Total 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	
BSIA	HY01		12	12	12	12	12	12	12	12	12	12	12	12	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BSIA	HY02		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
CEND	HY01		7	7	7	7	8	7	7	8	7	7	8	7	8	8	7	7	8	7	0	0	0	0	0	0	0	0	0	3	10	10	
CEND	HY02		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
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	9	9	9	9	
CEND	HY04		8	8	7	8	7	7	7	8	7	7	7	8	7	7	7	8	8	7	8	8	7	8	8	8	8	8	8	8	8	8	

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
HTRG	HY01	124	-1	62	63	62	-1	-1	62	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1
HTRG	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
HTRG	HY03	7	7	7	7	7	7	7	7	7	7	7	3	3	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	21	21	21	21	21	21	21	21	21	21	21	0	0	0	0	0	0	0	0	0	0	34	21	21
KNRG	HY02	23	23	23	23	23	23	23	23	24	24	23	23	24	0	0	0	0	0	0	0	0	23	37	38
KNRG	HY03	22	22	22	22	23	22	22	23	23	23	23	23	23	23	23	23	23	23	24	37	38	38	37	37
KNYR	HY01	98	98	98	100	101	100	99	100	100	100	100	100	100	99	100	101	100	100	102	101	99	99	100	100
KNYR	HY02	104	104	104	104	104	104	104	104	104	104	104	104	104	106	106	106	106	105	105	105	105	105	104	104
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19	19	20	39	39	0
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	39	39	62	61	61	80
LPIA	HY02	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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
PGAU	HY03	113	21	22	22	22	22	22	22	21	21	21	22	22	22	21	21	21	21	21	22	22	22	21	21
PGAU	HY04	111	21	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	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	30	50	50	50
SYPS	HY01	25	25	25	25	25	25	25	25	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
TMGR	HY01	-1	-1	-1	-1	-1	42	42	43	46	43	43	43	43	42	44	43	43	69	43	57	41	42	43	43
TMGR	HY02	84	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	83	33	33	33	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	32
TMGR	HY04	0	0	0	0	38	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
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
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
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
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
Total Hydro		908	467	531	534	573	478	477	545	484	481	479	482	482	425	423	426	429	427	419	444	412	427	461	454
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
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
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
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
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
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
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
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
JELS	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
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
KDLS	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
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
KMLS	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
KNLS	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
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
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
PKLS	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
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
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
STLS	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
TBLS	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

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		
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	63	143	246	363	442	559	609	635	626	674	704	645	721	606	588	420	400	340	234	165	109	65	22	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	28	29	28	28	28	28	29	29	29	29	28	29	29	29	10	23	28	30	28	28	28	29	26	28	30	27	27	27	28	29	28	27	28	29	28	28	28	29	28	28	28	29	28	28	29	29	28	29	28
PCUF	CUFK	9	10	10	10	10	9	9	9	10	10	10	10	11	10	8	7	8	12	9	9	9	10	7	8	9	11	9	9	8	10	12	10	9	10	10	8	11	9	10	9	10	9	9	28	27	27	26	25	
Total Co-Gen		37	39	38	38	38	37	38	38	39	39	38	39	40	40	39	18	30	36	42	37	37	38	36	34	37	41	36	36	35	38	41	38	36	38	39	36	39	37	39	37	39	37	37	57	56	55	55	53	
Total Gen		14874	14476	14200	13927	13698	13463	13257	13108	12890	12805	12665	12621	12688	12657	12461	12000	12123	12304	12590	12880	13353	13539	13721	13758	13654	13404	13461	13789	13911	14181	14272	14500	14598	14587	14556	14210	14188	14209	14506	15413	15909	15930	15969	15877	15649	15489	15375	15122	
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	0		
TIE-HVDC		-28	-28	-29	-28	-28	-31	-31	-31	-28	-30	-30	-30	-28	-30	-30	-28	-28	-31	-29	-29	-29	-29	-29	-28	-28	-31	-31	-30	-28	-30	-30	-31	-28	-28	-31	-31	-28	-30	-28	-29	-28	-28	-29	-30	-31	-29	-28	-30	
TIE-PLTG		5	-30	-36	-41	0	-25	-41	8	-21	-9	-22	-23	-17	21	-17	49	84	4	-84	-23	8	-35	-54	-1	-32	-52	-41	-45	-12	-52	-32	-67	54	41	98	29	60	38	30	35	98	44	45	23	20	35	18	16	
Interconnection		-23	-59	-65	-69	-28	-55	-71	-23	-49	-39	-52	-53	-45	-9	-47	21	57	-25	-114	-51	-20	-63	-83	-30	-61	-83	-72	-75	-40	-82	-63	-98	26	13	67	-1	32	8	2	6	70	17	16	-8	-11	6	-10	-14	
System Total		14897	14535	14265	13996	13726	13518	13328	13131	12939	12844	12717	12674	12733	12666	12508	11979	12066	12329	12704	12931	13373	13602	13804	13788	13715	13487	13533	13864	13951	14263	14335	14598	14572	14574	14489	14211	14156	14201	14504	15407	15839	15913	15953	15885	15660	15483	15385	15136	
SRev ST-Coal		217	167	165	166	271	360	350	340	363	340	365	349	344	350	362	340	349	330	346	331	372	327	309	343	306	317	336	620	541	423	380	335	285	301	302	273	329	280	265	179	171	197	166	167	198	208	185	177	
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 CCGT-Gas		746	543	755	799	962	980	826	1040	1177	1283	1393	1459	1396	1420	1548	1934	1865	1790	1594	1425	1010	958	893	967	1095	1394	1582	1265	1280	1123	997	705	567	613	626	1029	1105	1370	1168	540	283	324	456	520	688	832	968	1223	
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 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 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		461	587	461	549	549	676	676	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	676	676	676	676	676	676	676	676	588	500	500	500	500	588	588	588	588		
Hydro		176	404	466	462	510	391	392	450	386	389	391	388	388	388	341	343	340	337	339	336	303	335	320	336	343	334	336	328	329	348	315	261	305	316	329	329	306	326	305	447	395	426	456	503	443	456	457	461	
S.Reserve Total		1600	1788	1934	1976	2292	2407	2244	2380	2476	2562	2699	2746	2678	2708	2801	3167	3104	3007	2829	2642	2235	2170	2072	2196	2294	2595	2804	2763	2700	2444	2368	1977	1833	1906	1933	2307	2416	2652	2414	1754	1349	1447	1578	1690	1917	2084	2198	2449	