

Daily System Generation Summary on Sunday

Sunday, May 30, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,347 MW
Distillate	0 MW
Total TNB	2,347 MW
Total IPP	16,274 MW
Total Co-Gen	0 MW
Total System	21,098 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,903	4.03 %
Gas	48,724	14.12 %
Total TNB	62,627	18.15 %
ST-Coal	223,342	64.71 %
LSS	3,454	1.00 %
Gas	54,698	15.85 %
Total IPP	281,494	81.56 %
Co-Gen	176	0.05 %
Total Co-Gen	176	0.05 %
Total Generation	344,297	99.76 %
PLTG	-149	-0.04 %
HVDC	-694	-0.20 %
Interconnection	-843	-0.24 %
Net Energy	345,140	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:	22:30:00 Hour
Total Set On Bus	17,404 MW
TNB Generation	2,969 MW
IPP Generation	12,883 MW
Spinning Reserve	1,547 MW
Maximum Demand	15,908 MW
Net Energy	345,140 MWH
Load Factor	90.40 %

Fuel Cost

Total Cost:	51,523,789.30 RM
Cost per Unit	14.97 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	183
Hydro	351
Syncon	620
Thermal	353
Total	1,507

Time Weather Temperature

Afternoon	Hot	33
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
GLGR	52
SRDG	2
TJGS	176

Total TNB 230

CBPS	55
NPRI	159
PGLA	3
PLPS	55

Total IPP 273

Total Gas 502

Total Gas Required 502

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	15490	14822	14288	13902	13474	13140	12978	12514	12064	12770	13411	13978	14274	14398	14927	15202	15334	15066	14553	14728	15859	15870	15885	15762

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 4, 2021 10:06:54 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

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																								
JMAH	U001	701	704	703	602	602	602	551	473	451	384	351	350	351	351	349	352	351	350	353	351	353	352	348	490	606	603	651	654	648	655	652	685	691	690	693	548	501	529	580	651	652	651	651	694	692	692	694	597
JMAH	U002	707	702	706	607	607	605	552	481	456	379	354	353	356	353	351	354	355	354	352	354	355	354	353	439	601	606	656	656	653	654	655	676	695	698	694	554	505	539	599	655	656	658	655	695	694	695	696	601
JMHE	U001	978	978	976	981	907	880	876	881	779	784	780	779	781	784	782	782	781	778	782	780	825	930	926	929	930	931	927	932	981	978	978	977	981	981	980	980	980	982	972	980	981	983	980	981	979	979	982	982
JMHE	U002	978	977	979	981	980	875	875	879	781	780	780	779	781	780	763	778	780	777	778	780	828	932	924	930	930	930	928	930	987	976	979	978	982	982	978	980	980	982	973	978	981	984	981	983	976	978	980	983
JMJG	U001	637	645	643	641	640	643	645	643	643	640	640	639	641	645	640	636	643	640	651	663	666	670	666	672	665	668	669	664	666	665	667	666	667	672	667	663	670	667	667	666	664	638	640	596	593	637	612	672
JMJG	U002	679	683	687	672	684	678	681	674	677	681	677	678	672	683	692	673	679	671	671	673	673	674	669	681	673	675	671	677	672	673	678	677	674	672	677	674	673	675	666	671	668	674	677	669	674	677	668	680
JMJG	U003	677	678	677	678	676	676	675	676	663	676	676	677	679	676	677	675	676	672	670	666	668	648	673	668	671	668	666	667	666	671	670	666	667	669	668	671	668	672	670	667	670	668	672	662	661	668	660	662
JMJG	U005	222	274	313	364	414	508	622	759	804	804	800	801	800	801	801	801	799	801	799	800	825	888	888	890	894	892	887	890	890	891	885	887	886	887	886	887	886	888	888	886	887	891	888	888	888	889	889	889
PKLG	U003	276	194	147	149	150	149	149	147	151	150	150	150	150	150	150	150	150	157	156	156	155	155	155	155	156	154	205	263	278	275	279	280	277	276	280	276	278	276	275	277	277	278	275	278	276	279	276	229
PKLG	U004	276	186	174	176	174	153	155	156	155	157	155	152	156	154	154	152	153	152	153	155	155	155	154	155	152	153	200	256	272	276	277	271	273	273	275	275	272	267	272	271	275	272	270	274	276	273	273	213
PKLG	U006	445	377	360	358	345	270	268	272	267	267	271	272	266	269	272	266	267	272	267	268	271	272	266	269	268	268	322	396	441	449	447	449	449	446	449	447	449	449	450	446	446	448	447	448	449	450	450	402
TBIN	U001	697	699	698	658	661	659	660	601	549	511	500	500	500	500	500	500	501	500	500	500	550	550	591	688	691	689	689	689	691	689	689	691	690	689	689	693	689	664	689	689	690	689	689	690	686	689	689	689
TBIN	U002	700	701	700	661	661	662	663	602	554	537	499	503	503	502	500	504	502	502	500	504	555	553	579	694	692	696	690	693	693	690	695	688	692	689	691	692	672	689	691	692	691	691	692	690	690	692	689	689
TBIN	U003	715	697	700	660	659	659	661	603	547	527	503	502	501	500	500	500	500	500	501	501	550	550	600	693	689	692	692	690	693	690	693	689	694	688	692	688	692	682	691	691	693	689	690	690	690	692	689	689
TBIN	U004	983	981	984	963	934	852	851	852	853	853	854	853	854	854	854	852	853	853	853	852	878	935	931	934	933	932	934	982	983	982	982	982	982	982	982	983	983	983	984	982	984	981	983	984	984	984		
Total ST-Coal		9671	9476	9447	9171	9094	8871	8884	8699	8330	8130	7990	7988	7991	8002	7986	7974	7990	7979	7985	8004	8282	8536	8670	9288	9549	9559	9786	9981	10163	10217	10222	10270	10296	10297	10299	10009	9918	9927	10064	10202	10216	10196	10190	10221	10200	10276	10231	9964
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	0
CBPS	BLK2	360	353	353	358	362	361	360	361	361	363	358	362	363	362	360	363	357	356	363	360	358	366	355	357	362	353	362	351	365	361	365	357	358	351	358	351	358	355	362	358	355	361	364	357	356	357	362	
GLGR	GT01	100	67	66	66	68	67	66	67	67	70	67	67	68	68	67	67	68	67	68	68	67	66	67	71	105	104	104	104	103	103	103	103	105	103	103	103	103	103	103	104	103	104	103	104	104	68		
GLGR	GT02	99	67	67	67	67	67	67	68	67	68	67	68	67	68	68	67	68	68	68	68	67	66	71	104	104	104	103	103	102	103	103	104	104	104	84	68	67	99	103	104	104	104	104	103	104	104	67	
GLGR	ST1C	92	73	72	73	72	72	72	73	72	72	72	72	72	72	72	72	72	72	72	72	73	72	72	93	94	94	94	94	94	94	94	94	94	87	73	87	94	94	94	94	94	94	94	94	93	78		
NPRI	BLK1	512	507	506	515	515	516	511	514	518	519	514	515	515	515	517	399	349	508	520	520	520	519	520	511	515	520	511	521	508	520	520	520	520	506	520	514	518	512	517	515	513	521	520	515	515	511	521	
NPRI	BLK2	521	509	502	528	529	527	521	524	530	531	527	527	530	516	475	469	362	492	522	524	523	519	525	498	506	519	497	516	489	520	520	518	520	485	514	495	514	512	518	515	506	520	523	517	521	493	516	
PCGP	PGRG	598	590	590	601	602	602	597	599	606	610	601	604	603	601	603	603	603	586	602	603	604	601	601	593	595	603	590	601	588	603	602	603	603	601	581	601	590	601	590	598	596	596	604	603	597	594	587	604
PGLA	GT11	0	0	0	0	0	0	0	0	0	46	68	120	120	119	119	120	120	33	0	0	0	0	0	0	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	GT11	114	113	113	117	127	129	129	129	129	129	129	129	129	128	128	129	129	129	129	129	128	129	128	129	129	129	129	128	129	129	128	129	129	129	129	129	129	127	124	126	130	126	131	131	129	130	127	115
PLPS	GT12	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	142	138	142	143	140	143	138	119
PLPS	GT13	111	109	110	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	71	142	139	133	139	138	137	139	134	111
PLPS	ST18	198	161	132	132	59	58	57	56	56	57	56	57	56	56	56	56	56	56	56	56	57	56	56	56	57	56	56	56	56	56	57	56	56	56	56	56	58	110	143	210	209	211	211	210	209	205	196	
SPGP	BLK1	718	719	719	718	720	719	718	717	718	718	718	718	717	719	715	717	718	720	718	719	718	714	721	714	714	715	709	705	705	703	697	698	712	717	719	716	717	719	198	490	591	702						

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	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
KNRG	HY01	36	36	36	36	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36
KNRG	HY02	37	37	37	37	37	37	38	25	26	39	24	23	23	24	23	24	23	24	24	39	39	39	37	37
KNRG	HY03	36	36	36	35	35	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	35
KNYR	HY01	77	78	63	64	65	86	64	64	97	83	66	64	71	-1	-1	-1	-1	-1	-1	99	-1	-1	97	58
KNYR	HY02	59	99	98	99	99	100	100	100	99	101	59	59	59	58	59	57	59	87	63	69	91	60	58	81
KNYR	HY03	57	98	97	98	98	99	99	99	98	101	58	0	0	0	0	0	0	0	0	0	0	2	62	59
KNYR	HY04	59	100	99	58	58	59	59	59	58	101	58	-1	-1	-1	-1	-1	-1	-1	104	100	57	-1	-1	-1
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LPIA	HY02	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
PGAU	HY01	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	21	20	-1	-1	-1	-1	20	-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	31	31	31	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31	0
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	0
SYPS	HY01	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17
SYPS	HY02	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	0
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16
TMGR	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
TMGR	HY02	55	58	44	44	45	66	43	44	76	67	43	44	52	44	44	71	44	41	47	85	60	50	82	44
TMGR	HY03	32	81	81	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	33	84	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	92	85	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	95	-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	6	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		879	1010	732	644	613	659	513	479	545	519	572	416	312	211	211	238	212	205	268	308	259	288	647	668
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
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
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
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
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
Total 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
PCUF	CUFG	4	4	5	5	5	3	4	4	5	5	4	4	4	6	4	5	4	6	3	3	4	5	5	4
PCUF	CUFK	3	3	4	3	4	2	2	4	2	5	3	3	3	4	3	2	5	2	3	4	4	4	3	3
Total Co-Gen		7	7	9	8	9	5	6	8	7	10	7	7	7	10	6	8	8	10	6	5	7	8	9	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																								
Total Gen		15460	15109	14781	14479	14212	14024	13863	13650	13382	13220	13110	13021	12918	12805	12449	12128	12016	12439	12713	13103	13390	13672	13987	14240	14229	14266	14412	14734	14902	15195	15180	15291	15328	15261	15064	14747	14527	14562	14748	15671	15835	15852	15767	15829	15806	15857	15713	15428
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-29	-30	-28	-28	-29	-29	-29	-29	-29	-29	-28	-28	-29	-30	-28	-28	-29	-29	-30	-30	-29	-29	-28	-31	-28	-31	-28	-28	-28	-29	-31			
TIE-PLTG		5	-19	-6	-21	-41	24	-4	-30	-57	-77	5	-33	-24	-22	-29	-57	-11	26	-22	-51	15	15	44	-4	-9	-29	50	-28	12	39	13	52	30	17	35	-29	11	5	56	22	11	-14	-68	-40	-45	-16	-13	13
Interconnection		-24	-48	-35	-50	-70	-4	-33	-59	-85	-106	-23	-61	-53	-51	-58	-85	-41	-4	-50	-79	-15	-14	15	-33	-38	-58	21	-56	-18	9	-15	24	1	-12	5	-59	-18	-24	28	-9	-17	-44	-96	-68	-72	-44	-42	-18
System Total		15490	15163	14822	14535	14288	14034	13902	13716	13474	13333	13140	13089	12978	12863	12514	12220	12064	12450	12770	13188	13411	13692	13978	14280	14274	14331	14398	14797	14927	15193	15202	15274	15334	15280	15066	14814	14553	14594	14728	15687	15859	15903	15870	15904	15885	15908	15762	15453
SRev ST-Coal		125	225	405	576	576	694	689	789	889	876	882	880	883	871	868	890	877	894	885	915	884	774	769	526	535	527	502	486	308	254	249	201	175	174	172	304	299	352	326	269	255	235	241	210	181	195	240	379
SRev CCGT-Gas		250	334	341	278	225	232	261	257	221	210	250	246	248	274	611	963	1121	740	505	234	236	258	504	170	149	123	181	137	209	138	142	140	134	142	238	175	274	356	789	489	202	178	107	106	319	346	186	278
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		364	551	825	825	825	825	674	825	825	825	738	674	775	1027	1027	1027	1027	1027	876	1027	1027	1027	652	551	839	1027	926	926	738	464	464	464	464	464	464	839	839	839	464	464	464	551	501	501	400	465	739	552
Hydro		525	217	146	234	179	133	302	184	118	144	178	398	301	150	150	123	149	156	294	96	145	166	182	261	261	113	205	187	315	374	341	362	477	482	506	294	303	297	242	434	467	419	538	502	613	546	441	421
S.Reserve Total		1264	1327	1717	1913	1805	1884	1926	2055	2053	2055	2048	2198	2307	2422	2756	3103	3274	2817	2560	2272	2292	2225	2107	1508	1784	1790	1814	1736	1570	1230	1196	1167	1250	1262	1380	1612	1715	1844	1821	1656	1388	1383	1387	1319	1513	1552	1606	1630