

Daily System Generation Summary on Sunday

Sunday, October 30, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,162 MW
Distillate	0 MW
Total TNB	2,162 MW
Total IPP	18,301 MW
Total Co-Gen	0 MW
Total System	23,454 MW

Generation Mix

Type	MWh	Percentage
Hydro	15,609	4.78 %
Gas	35,117	10.77 %
Total TNB	50,726	15.55 %
ST-Coal	202,844	62.18 %
LSS	5,881	1.80 %
Gas	66,569	20.41 %
Total IPP	275,294	84.39 %
Co-Gen	626	0.19 %
Total Co-Gen	626	0.19 %
Total Generation	326,646	100.13 %
PLTG	2,308	0.71 %
HVDC	-1,874	-0.57 %
Interconnection	434	0.13 %
Net Energy	326,212	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:	20:00:00 Hour
Total Set On Bus	17,229 MW
TNB Generation	2,757 MW
IPP Generation	12,853 MW
Spinning Reserve	1,595 MW
Maximum Demand	15,636 MW
Net Energy	326,212 MWH
Load Factor	86.93 %

Fuel Cost

Total Cost:	112,642,173.18 RM
Cost per Unit	34.48 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,571
Hydro	228
Syncon	630
Thermal	409
Total	2,838

Time Weather Temperature

Afternoon	Hot	34
Morning	Rainy	23

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	125
Total TNB	154
CBPS	39
EMPP	236
NPRI	68
PCGP	66
PLPS	37
SPGP	92
Total IPP	537
Total Gas	691
Total Gas Required	691

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	14403	13800	13219	12984	12592	12379	12385	12046	11542	12120	12783	13148	13179	13272	13764	14167	14302	14052	13899	14835	15636	15463	15237	14975

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 5:25:53 PM
(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		U002	704	705	705	705	703	701	707	705	706	705	707	706	707	707	705	705	704	693	706	706	706	705	704	704	708	705	708	700	701	705	705	706	707	710	711	704	706	705	706	707	704	702	708	708	704	700	706	705	
JMHE		U001	927	877	878	879	840	838	842	842	838	797	800	804	800	797	801	798	799	800	804	799	802	801	802	847	851	852	849	850	850	900	901	899	900	899	899	900	899	901	946	976	977	977	977	979	971	977	977	975	
JMHE		U002	927	877	878	878	840	839	840	843	837	798	801	802	799	796	802	800	799	799	802	799	802	800	802	846	850	850	848	850	848	899	899	898	899	898	897	899	900	902	933	981	981	980	983	984	976	980	980	978	
JMJG		U001	669	668	668	655	657	651	654	657	655	656	634	633	636	640	640	632	634	640	641	635	636	634	636	642	639	637	638	634	637	638	635	634	636	640	634	639	634	639	632	637	640	657	668	668	673	673	672	672	
JMJG		U002	677	673	675	673	676	673	672	676	677	673	681	671	680	671	680	672	675	683	640	670	675	673	677	674	674	676	678	672	671	676	672	673	674	674	663	678	676	669	682	672	671	670	675	673	677				
JMJG		U003	672	674	667	675	667	667	672	671	667	668	668	669	671	672	662	682	660	666	666	670	676	658	677	668	668	671	672	671	671	667	672	668	672	668	678	668	668	672	672	668	681	636	692	628	469	495	555	673	
JMJG		U004	930	920	882	883	861	842	844	843	842	830	808	807	806	805	807	808	806	806	805	805	805	816	853	852	854	854	853	854	854	900	903	900	900	902	902	901	905	901	906	960	974	975	975	975	973	975	973	973	
JMJG		U005	929	897	880	880	843	837	840	838	840	812	801	799	804	800	799	796	799	801	800	801	801	825	850	850	848	856	849	851	854	902	904	901	901	898	902	899	900	887	924	983	985	983	982	979	982	980	980	979	
PKLG		U003	278	279	279	278	277	277	276	236	145	154	160	161	160	160	160	160	160	160	159	160	172	176	284	280	284	280	274	220	152	160	159	216	272	289	280	278	278	278	277	278	278	276	276	278	271	280			
PKLG		U004	277	275	274	275	278	277	272	251	180	140	160	152	151	149	149	149	149	149	149	155	148	150	147	148	146	146	148	148	146	156	151	215	273	280	273	273	281	275	272	271	272	274	274	276	275				
PKLG		U006	436	417	440	441	440	446	446	449	449	445	450	452	450	421	355	276	269	267	269	309	398	442	448	450	446	449	448	450	448	446	449	448	447	449	449	449	448	449	449	449	444	450	450	450	446	448			
TBIN		U002	702	701	700	705	702	696	698	702	700	696	701	701	700	706	699	703	701	703	702	702	700	700	699	701	696	702	699	701	701	697	701	704	702	703	699	702	701	699	702	700	703	700	702	698	702	702	701	702	
TBIN		U003	697	700	698	700	698	699	701	700	700	701	700	700	700	700	698	701	699	701	701	698	700	699	700	699	701	699	698	699	701	701	699	699	700	701	700	699	700	700	699	703	699	701	701	698	697	700			
Total ST-Coal			8825	8663	8624	8627	8482	8443	8463	8413	8236	8075	8055	8055	8065	8024	7957	7880	7856	7868	7872	7910	8017	8074	8273	8365	8361	8382	8366	8357	8305	8429	8459	8440	8568	8684	8715	8677	8693	8688	8799	8979	9024	8987	9047	8991	8821	8856	8907	9037	
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	194	201	201	201	200	196	202	201	203	203	201	204	201	205	201	197	188	196	199	198	201	202	201	192	191	202	200	201	201	201	201	201	201	205	201	202	205	235	361	365	361	360	368	355	358	358	354	195	
EMPP		BLK1	630	411	409	411	413	408	410	410	414	420	410	412	412	423	410	372	357	371	377	374	376	375	375	365	361	375	375	378	417	410	410	525	688	623	493	419	414	421	666	641	712	699	613	727	648	647	579	404	
EMPP		BLK2	682	561	409	410	413	408	409	411	415	423	409	416	409	423	409	371	357	370	376	374	375	374	375	365	361	375	375	375	418	656	697	709	708	711	707	647	703	485	711	711	712	711	704	726	695	711	684	689	
EMPP		BLK3	683	708	709	450	421	408	409	411	415	424	410	415	413	423	411	372	357	370	376	374	376	375	375	364	362	375	375	377	541	681	705	709	711	711	709	710	711	713	711	710	712	711	704	726	695	711	679	688	
GLGR		GT01	92	93	90	91	91	91	93	93	94	92	91	93	92	92	92	92	92	92	92	93	92	93	94	92	91	93	92	91	93	91	92	92	92	93	92	91	93	94	91	93	93	93	92	93	91	93	91	91	
GLGR		ST1C	40	41	40	41	39	40	40	40	40	41	41	40	41	41	41	40	40	40	40	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	40	41	41	40	41	40	40	40	40	40			
NPRI		BLK2	507	517	517	518	408	302	310	309	309	313	310	313	310	312	311	307	290	303	308	304	310	310	308	299	293	310	308	515	518	518	519	517	518	521	517	518	524	519	518	524	519	517	530	511	512	510	508		
PCGP		PGRG	581	602	602	599	597	583	403	404	407	407	404	409	399	414	403	402	402	406	290	290	291	293	250	249	253	253	252	259	250	252	253	251	250	259	253	252	253	611	603	600	610	604	598	629	589	594	582	583	
PLPS		GT13	125	125	124	125	124	124	125	124	124	125	126	124	124	124	124	125	124	124	123	124	124	125	123	124	124	124	125	124	134	134	134	134	134	134	134	134	133	133	134	135	134	133	134	134	134	134	134		
PLPS		ST18	59	60	59	59	59	59	59	59	59	58	58	58	59	59	60	58	59	58	58	58	58	58	58	58	58	58	57	57	58	57	58	57	58	56	55	55	58	59	59	60	60	59	60	59	60	59			
SPGP		BLK1	700	716	716	713	712	705	713	598	505	506	501	363	499	502	359	357	339	360	360	444	598	710	598	583	583	502	650	702	704	705	706	705	704	506	703	707	713	720	720	721	724	724	720	732	715	715	707	688	
TJGS		GT1A	116	118	116	117	114	116	114	116	114	116	116	113	115	117	115	114	114	114	115	115	113	114	115	114	115	115	101	101	114	115	115	115	112	114	114	112	107	108	111	196	159	225	225	113	184	166	165	111	
TJGS		GT1B	112	112	108	110	110	113	114	113	114	113	112	110	114	111	114	114	114	114	113	109	111	111	112	112	113	110	113	113	110	112	113	113	110	112	113	113	110	111	109	113	195	165	224	225	110	180	161	164	106
TJGS		ST1C	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	145	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	145				
TJGS		GT2A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	123	182	219	190	152	132	132	152	131	131	131		
TJ																																																			

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																															
KNYR	HY02	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103																														
KNYR	HY03	101	101	100	100	99	98	98	98	98	98	99	99	100	100	60	59	59	60	98	98	98	97	97	98	98	101																													
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101																														
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	17																														
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17																														
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																														
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1																														
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																														
SIHY	HY01	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50																														
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																														
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																														
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																														
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																														
TMGR	HY04	40	42	42	49	47	40	81	41	78	79	61	81	71	66	41	43	39	42	42	41	43	42	41	43	39																														
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0																														
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																														
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																														
Total Hydro		660	662	661	668	665	657	698	658	696	696	699	720	697	789	633	449	330	333	488	598	601	601	603	618	600	604	606	605	657	606	607	613	608	606	618	687	665	677	655	742	772	744	741	785	831	701	679	680							
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	1	3	7	9	15	19	20	24	26	26	18	23	8	9	11	17	23	11	7	2	3	2	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	1	3	10	15	19	23	27	23	27	31	25	30	29	29	16	33	27	23	20	5	4	3	1	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	2	10	14	18	22	26	29	27	31	30	29	32	31	20	24	20	9	6	2	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	2	7	11	15	14	30	25	27	33	36	40	28	43	25	24	36	40	28	8	7	5	3	1	1	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	3	6	13	24	31	34	33	36	37	34	36	15	27	47	20	15	23	17	24	13	11	3	1	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	5	14	21	28	35	40	43	46	48	22	36	45	40	32	50	18	12	4	4	1	1	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	2	10	14	21	25	27	29	30	30	20	21	30	17	4	13	17	14	9	5	2	1	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	3	7	7	28	30	28	37	39	34	47	49	30	49	37	14	9	24	31	8	7	4	2	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	9	23	35	47	55	67	78	67	86	86	88	91	86	75	54	29	21	14	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	3	11	21	26	30	34	37	39	42	44	42	45	45	38	41	39	4	4	3	2	1	1	1	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	1	3	8	12	17	21	25	29	24	30	30	30	30	29	30	30	3	7	2	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	3	19	30	49	71	68	64	76	100	100	100	100	100	36	45	79	43	5	10	12	7	8	4	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	1	4	9	14	20	22	25	21	30	30	24	30	26	18	9	22	21	2	4	4	2	2	1	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	4	12	17	22	22	25	31	37	36	37	40	47	46	43	14	18	17	15	13	15	10	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	31	43	51	42	50	63	76	78	55	71	95	80	57	22	33	32	38	31	26	22	9	1	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	14	43	56	77	93	104	98	108	98	110	110	110	104	109	103	97	87	71	55	40	8	3	3	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	5	11	14	15	15	41	34	26	52	49	52	9	17	24	4	11	13	19	28	7	4	3	1	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	2	7	10	17	23	31	30	23	35	43	43	43	29	39	34	27	17	18	8	3	1	2	1	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	1	3	8	11	15	16	19	20	21	23	21	22	17	15	15	16	14	14	10	8	5	2	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	1	4	5	17	10	14	17	30	30	30	30	30	23	25	23	30	6	30	19	19	12	1	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	37	155	303	460	561	682	748	801	880	906	891	858	877	756	559	661	523	405	300	197	135	55	17	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	18	19	20	18	18	16	13	16	13	13	14	13	14	15	18	20	22	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	18	17	20	16	15	13	14	16	12	16	16	14	19	17	17	16	16						
KHTC	BLK1	3	2	2	2	2	3	2	1	4	2	1	2	3	3	3	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
PCUF	CUFG	3	3	3	4</																																																			

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																								
TIE-HVDC		-99	-98	-96	-30	-28	-30	-28	-30	-29	-30	-31	-29	-29	-29	-29	-97	-100	-98	-100	-99	-97	-100	-98	-98	-97	-99	-96	-98	-97	-99	-98	-98	-96	-96	-100	-97	-99	-99	-98									
TIE-PLTG		137	94	110	23	85	85	30	32	8	37	16	10	18	67	50	46	93	83	59	83	109	111	78	105	159	108	145	144	82	104	128	124	131	170	147	181	141	131	180	124	95	109	137	47	107	117	118	115
Interconnection		38	-4	14	-7	57	56	2	2	-20	7	-14	-21	-11	38	21	17	64	-14	-41	-15	9	12	-19	5	59	10	46	47	-17	8	30	27	34	71	47	84	44	33	82	26	-2	14	41	-53	10	18	19	17
System Total		14403	14022	13800	13576	13219	13022	12984	12785	12592	12430	12379	12289	12385	12445	12046	11704	11542	11869	12120	12412	12783	13020	13148	13242	13179	13227	13272	13551	13764	13986	14167	14142	14302	14035	14052	13836	13899	14069	14835	15593	15636	15593	15463	15447	15237	15103	14975	14618
SRev ST-Coal		393	504	503	501	509	525	512	535	541	553	522	525	513	544	576	567	584	575	575	572	561	547	497	493	507	493	495	512	560	509	462	476	563	481	453	492	480	469	374	199	154	191	181	237	217	182	331	176
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	
SRev CCGT-Gas		981	1235	1399	1654	1796	1947	2098	2210	2286	2257	2310	2429	2313	2254	2451	2576	2668	2581	2673	2600	2435	2317	2476	2542	2555	2565	2439	2164	1895	1526	1456	1330	1169	1409	1364	1502	1618	1441	886	448	505	471	629	724	701	725	881	1362
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	
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 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	
Syncon		829	829	829	829	829	829	829	741	829	678	678	829	642	829	829	830	830	829	642	642	642	642	491	642	642	642	642	491	642	642	642	642	642	829	829	829	829	678	829	703	703	703	703	703	516	678	829	829
Hydro		97	95	96	89	92	100	59	99	62	61	209	188	60	155	84	268	236	233	218	109	106	106	104	240	107	103	101	102	201	101	100	94	99	100	113	94	91	230	101	176	146	174	177	133	274	242	113	112
S.Reserve Total		2387	2750	2914	3160	3313	3488	3585	3760	3804	3787	3806	3907	3802	3682	4027	4327	4405	4306	4382	4010	3831	3699	3806	3853	3898	3890	3764	3507	3234	2865	2747	2629	2560	2906	2846	3004	3105	2905	2277	1613	1595	1626	1777	1884	1795	1914	2241	2566