

Daily System Generation Summary on Saturday

Saturday, October 29, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,186 MW
Distillate	0 MW
Total TNB	2,186 MW
Total IPP	18,097 MW
Total Co-Gen	0 MW
Total System	23,274 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,542	4.83 %
Gas	37,102	10.84 %
Total TNB	53,644	15.67 %
ST-Coal	208,781	60.99 %
LSS	5,403	1.58 %
Gas	73,891	21.58 %
Total IPP	288,075	84.15 %
Co-Gen	619	0.18 %
Total Co-Gen	619	0.18 %
Total Generation	342,338	100.00 %
PLTG	1,788	0.52 %
HVDC	-1,792	-0.52 %
Interconnection	-4	0.00 %
Net Energy	342,342	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:	19:30:00 Hour
Total Set On Bus	17,315 MW
TNB Generation	3,147 MW
IPP Generation	12,926 MW
Spinning Reserve	1,215 MW
Maximum Demand	16,066 MW
Net Energy	342,342 MWH
Load Factor	88.79 %

Fuel Cost

Total Cost:	116,593,595.62 RM
Cost per Unit	34.06 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,152
Hydro	164
Syncon	816
Thermal	277
Total	2,409

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	131
Total TNB	160
CBPS	40
EMPP	252
NPRI	68
PCGP	83
PGLA	0
PLPS	43
SPGP	96
Total IPP	582
Total Gas	742
Total Gas Required	742

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	14594	13969	13586	13033	12715	12474	12575	12617	12341	13557	14317	14819	14676	14489	14936	15152	15238	15035	14797	15515	15935	15626	15225	14876

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 5:24:22 PM
 (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	U002	705	706	704	707	703	702	708	705	701	707	703	706	703	707	706	705	704	709	696	711	705	704	706	708	701	707	707	706	705	706	703	708	706	706	706	703	713	700	706	707	704	702	708	706	706	706	703	704	707	
JMHE	U001	929	932	930	897	863	858	856	858	792	800	796	804	802	801	801	804	800	803	800	800	862	950	951	950	948	948	951	949	950	949	947	946	947	947	950	949	947	950	950	977	975	977	978	977	970	974	977	966		
JMHE	U002	932	930	929	901	862	861	857	856	793	799	796	802	800	800	800	803	801	804	801	802	890	951	950	950	948	948	949	950	950	948	946	947	946	948	951	949	948	950	952	984	974	979	982	979	969	975	980	967		
JMJG	U001	678	682	677	678	677	678	677	675	674	682	676	674	678	676	678	676	678	679	675	677	677	677	678	677	673	674	676	678	678	679	678	679	679	678	677	676	674	666	679	668	668	666	666	666	667	668	667			
JMJG	U002	676	677	673	678	673	677	679	672	673	673	675	673	674	672	677	675	678	673	677	677	676	675	679	676	671	677	677	672	676	673	672	677	676	671	672	678	674	672	676	672	673	675	673	676	673	673	670	672		
JMJG	U003	676	670	674	671	671	669	671	671	668	666	671	668	673	672	670	669	671	669	672	670	672	666	667	668	672	668	672	671	672	671	677	667	671	668	671	670	672	670	670	667	670	672	672	673	672	672	671	672		
JMJG	U004	931	932	929	927	868	862	860	858	841	807	804	806	807	806	807	804	804	804	806	804	829	887	944	950	950	950	952	950	951	951	951	952	952	950	948	949	949	949	947	972	977	975	975	973	974	973	972	972		
JMJG	U005	929	932	929	913	859	862	862	848	815	796	799	799	801	801	801	800	798	799	797	801	849	952	948	949	950	949	951	946	950	948	945	947	949	950	952	948	953	952	950	985	983	983	982	981	977	980	982	979		
PKLG	U003	272	265	193	205	208	207	251	275	279	277	279	280	280	278	277	279	278	278	279	276	276	272	277	277	277	270	245	128	142	154	162	161	160	160	160	160	160	161	160	161	160	162	248	282	285	282	280	280	278	
PKLG	U004	277	273	272	271	272	267	272	272	268	267	273	271	274	275	273	284	274	279	276	276	272	274	277	277	270	271	273	271	274	272	272	270	270	265	254	251	270	270	271	273	273	273	271	274	278					
PKLG	U006	440	444	443	446	442	447	445	444	446	445	442	442	443	445	445	449	442	441	443	445	448	443	446	443	444	443	446	444	445	442	443	442	440	443	438	442	446	443	443	440	445	443	446	446	443	443	431			
TBIN	U002	705	701	703	702	701	702	705	702	702	701	700	701	700	703	702	703	700	701	701	701	702	704	701	702	702	702	699	701	702	699	705	703	699	701	701	701	702	702	704	699	702	703	699	698	700	707	701	701		
TBIN	U003	699	701	702	698	701	700	702	703	700	699	700	701	699	700	700	701	700	699	700	699	698	701	699	698	701	706	696	702	698	699	701	701	701	698	698	698	701	703	700	698	699	699	700	700	700	699	702	705		
Total ST-Coal		8849	8845	8758	8694	8500	8492	8545	8535	8352	8319	8314	8327	8334	8337	8337	8351	8322	8337	8316	8334	8554	8856	8916	8925	8916	8907	8894	8773	8789	8796	8803	8797	8797	8795	8788	8771	8798	8770	8804	8903	8902	8993	9040	9032	9012	9018	9026	8994		
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	197	201	204	203	201	199	195	197	203	198	186	201	204	201	201	202	201	201	200	202	201	201	200	197	197	195	201	201	204	201	202	201	209	361	359	355	355	201	202	335	360	355	357	361	360	358	357	359	198	
EMPP	BLK1	639	446	415	414	411	411	408	404	428	410	394	417	418	411	410	375	374	412	433	415	411	413	407	410	403	405	406	424	438	414	569	688	712	699	697	686	709	480	711	709	686	689	700	702	706	690	697	695		
EMPP	BLK2	697	659	477	416	458	413	407	403	428	410	393	414	416	409	411	375	375	411	433	414	411	413	407	411	404	405	405	423	446	704	709	707	713	693	696	689	710	483	711	709	686	690	698	702	706	692	697	694		
EMPP	BLK3	697	710	710	600	685	429	406	404	427	410	393	413	422	409	411	374	375	430	528	699	645	705	704	703	503	404	406	623	712	711	709	707	712	692	696	689	711	711	712	709	686	688	698	702	706	691	697	695		
GLGR	GT01	92	93	93	93	92	91	92	93	93	92	91	93	93	92	91	94	93	94	92	92	92	91	92	91	92	92	92	93	93	92	93	90	93	92	91	91	92	93	93	91	90	92	91	91	91	92	92			
GLGR	ST1C	41	41	40	40	41	41	41	40	41	41	40	40	40	40	41	40	40	41	40	41	41	41	40	41	40	40	40	41	41	41	40	41	41	40	40	42	41	40	41	40	41	39	40	40	41	41				
NCPR	BLK2	358	310	312	311	310	306	302	301	314	304	291	310	312	309	309	309	309	310	413	519	411	517	514	515	511	389	389	518	517	517	518	516	521	517	514	509	309	517	519	518	511	513	518	517	514	511	515	514		
PCGP	PGRG	593	601	609	608	603	598	402	405	411	400	401	401	410	400	402	407	402	464	602	603	602	600	599	599	586	589	585	601	605	601	603	600	608	599	597	587	603	603	609	601	593	626	601	603	596	592	594	596		
PGLA	GT11	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	128	129	129	129	128	128	129	128	129	129	129	130	129	128	129	128	128	128	129	129	128	129	128	129	128	129	128	129	128	129	128	127	129	129	126	127	131	116	144	141	112	113	129	108	111	112	122	124	123	125
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	141	112	131	129	108	111	112	122	124	123	125			
PLPS	ST18	59	58	58	58	57	57	58	56	58	58	57	59	59	58	58	58	58	57	58	58	59	58	58	58	58	58	59	58	58	59	58	58	58	58	58	58	59	138	133	142	131	132	132	64	59	58	59			
SPGP	BLK1	713	718	720	719	713	712	714	598	449	499	499	362	362	498	498	360	359	548	714	720	717	719	719	714	708	704	702	710	712	709	705	704	702	703	695	693	706	706	711	713	702	705	711	709	711	709	707	711		
TJGS	GT1A	141	140	140	139	140	139	138	136	135	136	137	136	135	136	136	136	136	136	136	139	137	139	138	137	137	132	138	138	137	137	138	137	137	137	137	137	137	138	235	227	228	225	229	204	180	131	116	117	118	
TJGS	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	141	231	222	226	226	196	178	118	109	109	110			
TJGS	ST1C	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76																													

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
KNYR	HY01	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
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
KNYR	HY03	101	100	100	100	99	98	98	98	98	98	99	99	98	98	97	98	99	100	100	100	99	97	97	98
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
LPIA	HY01	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	15	15	15	15	15	16	17
LPIA	HY02	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	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
PGAU	HY01	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	81	21	20
PGAU	HY02	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	20	20	-1
SIHY	HY01	50	50	42	0	0	0	0	0	0	0	50	30	51	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	25	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25
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	-1	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0
TMGR	HY04	42	77	81	66	56	49	43	42	81	71	37	74	79	51	57	49	43	43	59	43	41	41	42	41
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	90	-1	-1	-1
UJLI	HY02	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
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		752	696	692	635	633	624	618	638	657	668	612	650	655	630	649	459	475	635	650	627	644	624	624	623
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	1	3	3	13	16	19	14	25	11	14
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	7	15	14	14	13	15	22	28
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	9	8	10	11	22	27	20
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	6	9	14	36	29	34	27	42
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	7	10	13	25	31	36	49	30
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	16	13	19	13	25	5	11
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	9	10	10	13	16	21	28
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	5	11	14	17	19	22	24
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	2	5	11	16	23	32	45	28
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	10	13	24	19	23	33	45	59	49
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	8	9	11	14	19	27	28	25
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	8	5	7	12	15	16	18
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	12	42	34	32	37	40	75	100
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	8	11	11	12	15	30	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	19	22	35	34	39	47	31
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	29	36	74	71	68	82	79	67
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	32	58	53	74	101	101	106	109	109
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	13	15	15	25	40	45	45	50
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	12	17	20	17	25	29	26
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	9	17	21	15	19	19	17
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	9	21	30	30	19	12	28	30
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	113	209	320	441	539	548	656	762	789
ESTL	ESTL	17	15	10	12	15	15	21	22	17	23	21	16	18	17	17	19	19	17	19	16	18	19	14	11
KHTC	BLK1	2	3	3	2	4	5	2	2	3	5	2	5	2	2	0	3	3	5	2	0	0	0	0	0
PCUF	CUFG	3	4	3	4	4	3	4	2	4	4	5	3	3	4	2	4	3	4	2	3	3	4	2	3

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		
PCUF	CUFK	4	4	4	4	6	3	4	4	4	1	3	3	5	5	2	5	3	5	4	4	5	3	4	4	4	3	3	2	4	4	3	3	3	4	4	3	4	3	4	3	3	3	4	3	3	10	11		
Total Co-Gen		26	26	20	22	29	26	31	31	28	31	30	28	30	27	24	21	24	30	27	29	30	26	25	26	24	26	26	18	18	22	19	19	20	24	27	26	30	25	28	27	23	25	27	22	21	24	37	35	
Total Gen		14567	14201	13905	13608	13529	13190	13015	12895	12679	12628	12497	12510	12548	12611	12634	12250	12312	12970	13517	13881	14257	14606	14755	14872	14646	14420	14490	14729	14883	15049	15152	15203	15210	15394	15137	14965	14847	14965	15523	16100	16002	15876	15696	15614	15261	15119	14957	14735	
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		-27	-30	-28	-28	-28	-28	-31	-28	-28	-28	-28	-30	-30	-28	-29	-97	-97	-96	-96	-97	-96	-100	-99	-99	-98	-97	-99	-99	-97	-96	-97	-98	-96	-99	-97	-98	-98	-96	-98	-99	-99	-96	-98	-99	-97	-98	-97		
TIE-PLTG		1	-11	-36	-28	-29	13	10	21	-8	60	52	10	3	14	45	-37	68	38	56	40	37	68	36	55	69	79	98	123	46	71	96	138	71	189	199	172	147	117	105	132	166	157	167	164	135	126	179	152	
Interconnection		-27	-41	-64	-57	-57	-15	-18	-10	-36	32	23	-19	-27	-15	17	-66	-29	-59	-40	-55	-60	-27	-64	-44	-30	-20	1	24	-53	-26	0	41	-28	91	102	73	50	19	8	34	67	58	70	66	36	29	81	55	
System Total		14594	14242	13969	13665	13586	13205	13033	12905	12715	12596	12474	12529	12575	12626	12617	12316	12341	13029	13557	13936	14317	14633	14819	14916	14676	14440	14489	14705	14936	15075	15152	15162	15238	15303	15035	14892	14797	14946	15515	16066	15935	15818	15626	15548	15225	15090	14876	14680	
SRev ST-Coal		344	324	401	462	500	496	473	467	474	466	466	465	460	455	456	444	467	457	473	466	460	315	277	268	277	286	265	276	260	284	266	272	272	274	281	294	277	293	265	166	167	166	153	161	181	175	167	199	
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		1197	1272	1471	1669	1559	1858	2085	2215	2264	2296	2365	2401	2377	2289	2282	2518	2528	2147	1702	1456	1416	1354	1372	1370	1609	1835	1831	1424	1287	1065	905	803	746	508	521	808	1180	1062	522	303	329	437	605	674	834	875	741	855	
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 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		917	829	829	829	829	917	917	766	917	766	917	917	917	917	917	917	917	917	917	917	766	917	917	917	917	917	766	917	917	917	917	829	829	829	829	829	829	340	340	527	678	678	829	829	829	829			
Hydro		190	61	65	72	74	82	88	219	49	189	94	56	51	76	67	257	241	81	66	78	212	81	81	82	85	86	216	74	63	85	59	87	48	312	87	89	78	90	88	319	386	350	220	220	98	94	97	96	
S.Reserve Total		2648	2486	2766	3032	2962	3353	3563	3667	3704	3717	3842	3839	3805	3737	3722	4136	4153	3602	3158	2917	2854	2667	2647	2637	2888	3124	3078	2691	2527	2351	2147	2078	1982	1672	1805	2107	2451	2361	1791	1215	1309	1567	1743	1820	2029	2060	1921	2066	