

Daily System Generation Summary on Saturday

Saturday, May 28, 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	19,957 MW
Total Co-Gen	0 MW
Total System	25,708 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,846	2.42 %
Gas	34,504	9.45 %
Total TNB	43,350	11.88 %
ST-Coal	227,648	62.37 %
LSS	4,649	1.27 %
Gas	86,836	23.79 %
Total IPP	319,133	87.44 %
Co-Gen	1,091	0.30 %
Total Co-Gen	1,091	0.30 %
Total Generation	363,574	99.62 %
PLTG	-694	-0.19 %
HVDC	-706	-0.19 %
Interconnection	-1,400	-0.38 %
Net Energy	364,974	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	18,552 MW
TNB Generation	2,309 MW
IPP Generation	14,655 MW
Spinning Reserve	1,552 MW
Maximum Demand	17,053 MW
Net Energy	364,974 MWH
Load Factor	89.18 %

Fuel Cost

Total Cost:	96,080,185.98 RM
Cost per Unit	26.43 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,127
Hydro	483
Syncon	528
Thermal	456
Total	2,594

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	124
Total TNB	154
CBPS	43
EMPP	269
NPRI	142
PCGP	74
PLPS	37
SKSP	3
SPGP	88
Total IPP	655
Total Gas	809
Total Gas Required	809

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	16022	15224	14703	14132	13848	13543	13404	13141	13035	14246	15055	15561	15464	15400	15746	16003	16187	16062	15603	15603	17053	16812	16446	16165

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, June 3, 2022 6:09:31 PM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

		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	694	696	697	696	696	695	694	696	696	694	695	694	679	605	604	605	604	659	695	697	697	697	696	663	606	607	607	605	604	603	605	605	605	605	605	504	502	507	505	695	696	696	696	698	696	696	695	604
JMAH	U002		694	695	696	698	695	696	695	696	695	694	694	697	694	678	604	602	606	606	657	697	697	696	696	695	665	607	605	604	605	602	605	604	605	603	603	505	507	506	505	695	698	698	696	696	697	697	696	604	
JMHE	U001		976	978	981	977	917	848	852	852	852	851	847	854	846	854	849	844	852	849	849	848	851	986	982	975	978	981	982	981	981	982	979	978	977	978	983	978	983	982	980	981	985	981	978	978	978	978	978	977	
JMHE	U002		977	978	977	778	752	714	496	500	503	501	500	502	498	503	647	749	852	851	849	847	850	959	978	977	979	980	984	979	981	979	978	978	979	979	983	979	982	986	979	980	980	978	978	980	979	975	979	979	
JMJG	U003		666	665	667	673	667	675	664	670	664	673	667	667	666	669	667	675	673	674	642	671	668	671	667	670	678	668	666	673	671	665	667	676	668	667	669	671	665	675	672	668	669	674	671	671	677	672	670	673	
JMJG	U004		979	980	978	981	920	891	856	854	853	856	856	854	854	858	855	855	856	856	856	885	941	978	981	978	977	983	986	981	978	981	975	983	979	982	979	977	982	979	980	976	983	979	978	978	977	977	980	978	978
JMJG	U005		970	972	969	969	918	850	850	849	853	849	848	852	847	848	849	845	848	850	846	924	974	975	973	974	973	976	975	972	972	976	973	972	972	971	971	972	974	972	972	972	972	975	972	970	972	970	973	972	
PKLG	U003		281	279	279	277	277	276	276	281	281	277	275	184	148	147	148	148	148	148	148	148	147	148	149	148	148	146	146	147	149	148	149	148	149	147	148	148	148	148	148	203	266	278	279	276	275	216	208	159	
PKLG	U004		272	273	271	271	272	273	272	274	270	275	272	177	151	150	152	151	154	153	153	153	152	152	151	152	152	149	148	151	150	153	154	153	154	153	153	153	154	154	151	211	255	275	272	273	281	210	205	156	
PKLG	U005		467	466	465	466	466	466	467	468	467	466	467	393	314	267	271	269	269	271	268	271	267	268	269	268	269	267	268	269	267	269	267	268	269	269	269	269	269	269	267	268	308	404	455	471	467	456	405	300	268
PKLG	U006		0	0	0	0	0	0	0	0	0	0	0	0	0	13	71	76	73	94	93	103	130	159	168	173	185	183	224	257	250	267	301	310	342	391	423	426	461	451	445	450	449	449	449	448	446	450	448		
TBIN	U001		686	689	689	688	689	690	691	689	686	689	690	690	686	689	687	686	632	655	688	667	688	688	688	689	688	688	595	599	597	600	598	600	600	599	599	548	550	602	651	686	686	686	688	686	689	682	689	688	
TBIN	U002		688	692	693	689	692	692	689	688	691	691	692	691	688	690	693	691	636	646	695	690	692	692	691	692	693	691	600	605	605	605	603	606	603	606	604	553	553	606	635	690	690	691	691	692	694	688	690	691	
TBIN	U003		693	690	689	693	694	680	689	695	691	689	677	694	689	689	691	703	637	655	696	690	689	689	693	686	691	690	609	603	603	603	602	603	605	603	604	554	553	609	642	695	691	690	692	696	691	695	689	695	
TBIN	U004		939	938	942	940	941	893	854	854	854	852	854	853	852	853	851	854	855	853	853	902	942	940	943	940	941	941	940	942	941	942	942	944	938	939	942	941	941	942	940	941	942	941	941	940	940	941	939		
Total ST-Coal			9983	9989	9992	9797	9596	9340	9046	9064	9056	9033	8803	8627	8587	8640	8752	8696	8765	8982	9191	9385	9698	9726	9713	9680	9560	9329	9365	9358	9369	9405	9424	9445	9490	9533	9183	9221	9387	9469	10158	10361	10446	10452	10450	10450	10250	10171	9831		
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			
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		218	226	218	218	224	226	224	224	218	221	224	224	218	219	223	217	225	223	219	226	219	219	223	215	218	218	218	220	226	347	357	357	362	359	362	362	360	360	365	359	360	361	251	218	219	223	237		
EMPP	BLK1		423	533	405	503	515	532	595	489	485	409	455	499	548	567	474	396	406	557	592	537	550	502	597	696	589	605	643	701	696	719	695	706	689	710	683	713	683	683	709	724	699	703	684	684	657	674	657	710	
EMPP	BLK2		424	530	410	506	518	532	593	489	488	411	462	508	556	570	471	396	406	555	589	536	551	502	597	696	589	604	640	708	697	719	695	706	689	710	682	712	685	685	709	724	698	704	685	685	664	674	654	711	
EMPP	BLK3		411	500	406	466	476	504	571	457	455	409	446	474	511	540	441	396	406	545	588	537	552	502	599	695	583	607	640	706	695	718	695	705	689	710	683	713	685	682	709	722	697	705	685	684	656	674	655	711	
GLGR	GT02		93	92	92	92	93	93	92	93	92	92	92	93	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	93	93	93	93	107	108	109	108	108	108	108	108			
GLGR	ST1C		41	39	40	40	39	40	39	39	40	39	39	40	39	39	40	40	40	40	40	40	41	40	41	40	40	40	40	40	40	40	40	40	40	40	41	40	40	41	40	42	47	47	47	48	47	46	46		
NPRI	BLK1		515	517	508	395	398	398	395	398	398	392	398	398	393	400	398	295	303	313	320	393	399	391	398	393	386	385	398	399	392	518	502	512	514	514	515	518	514	515	517	521	517	515	511	511	513	505	511	517	
NPRI	BLK2		524	524	517	397	400	400	397	400	400	395	398	400	395	400	400	305	314	322	331	391	400	391	399	393	388	385	398	398	394	526	504	518	516	521	519	523	517	518	519	532	520	520	515	516	514	509	514	520	
PCGP	PGRG		403	409	408	410	405	410	407	411	409	406	407	408	409	410	408	406	409	403	401	398	401	400	402	398	396	397	399	399	593	613	582	604	600	604	601	608	601	603	601	625	602	601	596	593	591	581	591	602	
PLPS	GT13		125	125	125	125	125	124	125	124	125	125	125	125	124	125	125	125	125	124	125	125	125	125	125	125	125	125	125	124	125	125	125	125	125	125	125	124	125	125	142	144	143	142	142	142	144	142			
PLPS	ST18		59	58	56	57	57	57	58	57	57	57	57	56	57	57	57	57	57	57	57	58	58	57	57	57	56	57	58	57	58	57	58	57	58	57	58	57	58	57	56	60	58	59	58	58	58	58	59		
SKSP	BLK1		217	217	217	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
SPGP	BLK1		723	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SPGP	BLK2		599	598	597	599	600	601	599	598	598	599	397	401	400	501																																			

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
HTRG	HY04	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	33	34	34	34	34	34	34	34	34	34	34	34	34
KNRG	HY03	22	23	22	22	23	22	23	22	22	23	22	37	37	37	37	37	36	36	36	36	36	36	36	36
LPJA	HY01	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
LPJA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
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	21	21	21	21	22	21	21	22	21	22	22	22	22	22	22	22	22	22	22	22	21	21	21	20
PGAU	HY04	21	20	21	21	21	21	21	21	21	21	21	22	22	22	22	21	21	21	21	21	21	20	21	20
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	30	30	30	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	
TMGR	HY01	33	33	32	33	33	44	42	42	42	46	42	42	43	41	41	80	66	44	43	42	44	42	40	40
TMGR	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
TMGR	HY03	41	42	40	42	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	-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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	92	90	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	92	91	
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		296	297	294	297	301	255	254	254	253	251	256	252	252	253	253	250	328	368	352	330	329	410	414	346
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	1	2	5	7	10	10	13	13	16	12	16	15
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	9	10	15	10	13	14	16	12	12	14	34
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	9	16	23	26	27	32	26	33	32	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	8	17	18	21	25	27	24	32	26	39	30
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	6	9	11	15	16	15	25	28	24	28
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	14	17	27	14	29	13	33	35	45	43
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	7	13	15	16	23	26	21	28	12	28
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	13	19	26	23	31	19	32	29	16	28
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	5	14	21	27	47	64	72	46	80	90	94
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	13	15	15	32	37	35	42	38	28
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	4	6	11	18	24	12	26	23	24	28	28
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	6	8	20	25	22	18	28	29	19	20
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	12	15	23	32	31	23	26	27	23	28
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	11	20	30	40	60	66	77	82	93	97	92	77
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	17	12	14	25	38	36	33	44	38	51
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	15	13	16	28	32	36	33	39	39
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	7	9	12	13	20	26	20	16	17
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	10	14	16	18	23	23	30	25	29
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	3	17	86	164	236	332	399	519	486	556	623	601
PCUF	CUFG	23	24	23	24	24	25	24	25	26	26	24	25	22	24	22	22	22	21	21	20	17	17	19	19
PCUF	CUFK	25	24	26	26	25	28	25	27	27	26	25	27	26	24	24	25	26	26	23	27	26	26	26	26
Total Co-Gen		48	48	49	50	49	53	49	52	53	52	49	52	51	49	50	52	53	50	48	49	50	47	48	47
Total Gen		15960	15558	15190	14834	14653	14325	14085	13811	13791	13582	13500	13395	13334	13472	13138	12820	12961	13601	14138	14598	14943	15284	15466	15733
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

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																								
TIE-HVDC		-31	-31	-28	-28	-29	-28	-29	-29	-29	-29	-31	-30	-30	-28	-28	-31	-30	-30	-29	-29	-27	-28	-31	-31	-31	-30	-29	-30	-30	-30	-28	-28	-31	-28	-28	-30	-30											
TIE-PLTG		-32	-6	-6	-51	-21	-61	-18	-55	-28	-21	-15	-57	-39	-16	27	-6	-46	-142	-78	-73	-83	-30	-66	-31	-15	-57	-87	-78	-52	-48	-19	-14	-7	-16	40	-20	-11	-8	21	-53	-22	-15	-5	-22	41	15	36	-34
Interconnection		-62	-37	-34	-79	-50	-90	-47	-84	-57	-50	-43	-85	-70	-46	-3	-34	-74	-172	-108	-103	-112	-58	-95	-62	-44	-87	-118	-108	-81	-76	-47	-42	-38	-47	9	-51	-40	-38	-9	-84	-53	-44	-33	-53	12	-14	7	-64
System Total		16022	15595	15224	14913	14703	14415	14132	13895	13848	13632	13543	13480	13404	13518	13141	12854	13035	13773	14246	14701	15055	15342	15561	15795	15464	15417	15400	15586	15746	16054	16003	16182	16187	16275	16062	15814	15603	15505	15603	16638	17053	16902	16812	16651	16446	16289	16165	16108
SRev ST-Coal		197	191	188	257	436	537	579	564	574	568	588	652	664	769	811	797	969	947	771	648	480	365	339	351	385	453	594	563	669	661	622	608	680	633	589	589	582	550	535	252	241	177	171	173	173	269	258	388
SRev CCGT-Gas		2107	1796	2165	2330	1963	1993	1714	1880	1892	2101	2159	2033	1917	1738	2249	2692	2643	2187	1921	1745	1661	1831	1531	1250	1596	1543	1408	1212	1057	718	733	548	474	402	485	378	516	708	643	518	402	593	666	778	891	868	898	695
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
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		550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550
Hydro		412	411	414	411	407	423	424	424	425	427	422	426	426	425	425	428	415	375	391	413	414	423	419	421	423	423	419	420	421	396	444	434	439	402	441	396	441	440	402	506	733	722	732	676	514	519	516	509
S.Reserve Total		3266	2948	3317	3548	3356	3503	3267	3418	3441	3646	3719	3661	3557	3482	4035	4467	4577	4059	3633	3356	3105	3169	2839	2698	3080	3095	3097	2871	2823	2451	2475	2266	2269	2113	2191	2039	2215	2374	2256	1765	1552	1668	1745	1803	1941	2019	2035	1955