

Daily System Generation Summary on Saturday

Saturday, June 4, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,398 MW
Distillate	0 MW
Total TNB	2,398 MW
Total IPP	18,793 MW
Total Co-Gen	0 MW
Total System	24,171 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,320	2.84 %
Gas	36,570	10.06 %
Total TNB	46,890	12.90 %
ST-Coal	227,192	62.50 %
ST-Gas	2,928	0.81 %
LSS	3,711	1.02 %
Gas	82,361	22.66 %
Total IPP	316,192	86.99 %
Co-Gen	922	0.25 %
Total Co-Gen	922	0.25 %
Total Generation	364,004	100.14 %
PLTG	-223	-0.06 %
HVDC	730	0.20 %
Interconnection	507	0.14 %
Net Energy	363,497	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	18,573 MW
TNB Generation	2,469 MW
IPP Generation	14,384 MW
Spinning Reserve	1,673 MW
Maximum Demand	16,853 MW
Net Energy	363,497 MWH
Load Factor	89.87 %

Fuel Cost

Total Cost:	95,670,741.34 RM
Cost per Unit	26.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,851
Hydro	392
Syncon	592
Thermal	236
Total	3,071

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Rainy	28

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	98
Total TNB	128
CBPS	41
EMPP	257
NPRI	137
PCGP	67
PGLA	6
PLPS	37
SPGP	131
PKLG	30
Total IPP	706
Total Gas	834
Total Gas Required	834

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	16244	15469	14857	14405	13972	13541	13549	13258	13059	14089	14854	15214	15017	14846	15379	15725	15946	16010	15523	15871	16853	16660	16403	16101

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Thursday, June 9, 2022 4:11:40 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	707	706	707	705	706	708	706	706	707	704	706	707	705	706	657	656	706	707	709	707	704	707	705	705	705	705	705	705	706	705	706	705	704	707	704	706	706	705	705	704	708	706	705	706	706	706	705	704	
JMAH	U002	706	703	706	707	706	705	704	704	707	704	702	704	704	705	705	655	655	708	707	704	708	704	706	707	705	705	705	707	702	705	706	705	707	702	705	705	704	704	707	703	704	706	705	708	708	707	704	699	
JMHE	U001	978	980	979	979	980	903	898	901	901	900	848	848	852	849	851	854	853	849	912	926	958	962	980	982	978	978	982	980	980	976	983	980	981	980	978	981	980	980	983	981	976	981	980	979	983	978	978	978	
JMJG	U002	581	497	449	507	579	639	669	676	678	681	673	679	680	679	678	680	676	677	680	671	680	673	678	679	675	676	685	679	670	684	647	673	678	665	675	674	675	674	679	670	678	673	672	673	669	671	673	673	
JMJG	U003	663	662	665	673	678	665	666	673	671	676	672	667	664	667	675	671	665	664	676	662	676	668	683	665	677	672	683	681	678	678	678	678	674	670	675	668	682	671	685	667	682	670	681	678	671	673	646		
JMJG	U004	977	978	978	978	978	947	904	903	903	902	855	856	857	856	855	851	856	866	915	917	958	960	977	977	977	977	978	977	979	982	975	977	979	983	978	979	976	979	980	979	979	978	977	978	977	978	979		
JMJG	U005	973	973	975	974	975	902	898	900	896	892	845	848	845	852	850	850	849	882	908	919	960	958	975	974	974	976	972	973	973	975	974	973	974	973	975	975	972	973	979	978	978	977	976	977	976	977	972	972	
PKLG	U003	279	279	279	279	277	279	279	276	280	280	278	280	195	149	149	149	150	198	269	279	279	280	280	277	276	280	274	276	277	278	277	275	280	280	277	276	275	277	278	277	280	275	277	276	279	277	277	277	
PKLG	U004	205	204	202	211	206	205	208	203	241	270	270	270	202	153	154	162	154	172	212	206	205	205	205	205	206	205	204	204	205	207	206	206	203	205	203	205	205	211	206	206	205	165	194	165	152	154	155	167	
PKLG	U005	465	463	468	466	466	468	466	466	466	466	467	467	391	312	268	269	268	293	351</																														

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
CEND	HY02	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	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
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8
HTRG	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
HTRG	HY04	3	3	3	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	3	3	4
KNRG	HY01	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	37	37	37	37
LPIA	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
LPIA	HY02	19	19	19	19	19	19	19	19	19	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	HY03	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20
PGAU	HY04	21	21	21	21	20	21	21	21	21	21	21	21	21	21	21	21	20	20	20	21	20	20	20	20
SIHY	HY02	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	50	30
SIHY	HY03	30	30	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	30
SYPS	HY01	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17
SYPS	HY03	17	17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17
SYPS	HY04	17	17	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17
TMGR	HY01	83	83	83	83	83	42	43	42	43	43	42	43	43	42	42	42	42	85	85	41	84	86	86	72
TMGR	HY02	84	84	83	83	83	83	84	84	36	36	35	36	36	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	83	84	83	84	84	41	41	41	41	41	41	42	41	39	38	58	52	47	42	0	0	0	0	0
TMGR	HY04	84	84	84	84	84	84	84	33	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	83	83	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	91	89	92
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	94	98	94	-1	-1	97	-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		687	703	630	597	598	513	515	515	516	417	416	380	380	340	337	334	373	364	353	326	250	249	249	248
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
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
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
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	23	24	25	17	17	18	18	19	20	19	20	19	19	18	18	18	18	24	26	24	25	18	17	19
PCUF	CUFK	18	23	18	18	18	16	16	17	15	16	15	18	18	17	17	17	15	23	23	16	17	17	17	23

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																									
Total Co-Gen		41	47	43	35	35	34	34	36	35	35	35	37	35	39	37	36	35	35	35	39	49	47	41	35	34	35	34	32	34	37	34	35	34	36	34	33	35	41	49	47	49	49	47	49	39	41	42		
Total Gen		16257	15775	15420	15112	14848	14763	14459	14235	13995	13763	13596	13603	13566	13545	13267	13008	13055	13751	14094	14634	14800	15057	15175	15286	15005	14945	14882	15188	15404	15807	15661	15899	15979	16175	16069	15787	15648	15712	15889	16696	16900	16864	16715	16677	16447	16293	16182	15961	
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			
TIE-HVDC		30	29	29	29	29	30	30	31	31	31	30	30	30	30	30	31	31	30	30	30	31	31	31	31	31	29	31	31	31	29	31	29	31	31	29	30	29	31	31	31	30	31	29	29	31	31			
TIE-PLTG		-17	-27	-79	-54	-38	0	24	-19	-7	-27	24	14	-13	-24	-21	-28	-34	-48	-26	34	-84	-58	-70	-129	-44	-10	7	-32	-6	-24	-95	-12	2	10	27	69	95	60	-11	18	16	16	24	61	12	28	52	-5	
Interconnection		13	3	-49	-24	-9	30	54	12	23	4	55	44	17	6	9	3	-4	-17	5	64	-54	-27	-39	-97	-12	21	36	-1	25	7	-64	17	33	39	59	100	125	90	18	49	47	47	55	92	44	57	81	26	
System Total		16244	15772	15469	15136	14857	14733	14405	14223	13972	13759	13541	13559	13549	13539	13258	13005	13059	13768	14089	14570	14854	15084	15214	15383	15017	14924	14846	15189	15379	15800	15725	15882	15946	16136	16010	15687	15523	15622	15871	16647	16853	16817	16660	16585	16403	16236	16101	15935	
SRev ST-Coal		208	147	127	248	171	300	373	368	402	374	384	414	562	495	519	699	733	497	407	409	194	216	147	172	150	175	187	164	200	178	275	244	286	316	221	254	282	173	131	128	160	230	162	128	163	159	186	200	
SRev CCGT-Gas		1725	1985	1879	2205	2547	1934	1982	2221	2502	2655	2667	2798	2623	2538	2710	2819	2842	2609	2620	2199	2238	2034	2084	2067	2485	2615	2740	2533	2300	1877	1943	1609	1513	1254	1229	1350	1547	1520	1411	844	652	654	952	862	1052	1175	1261	1426	
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		29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	29	29	29	30	29	29	29	29	30	30	30	30	30	30	30	26	24	21	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	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		500	500	500	500	500	500	500	500	500	588	588	588	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	489	489	489	676	676	676	676	401	401	401	214	401	489	489	489	489	
Hydro		378	386	359	317	316	401	399	399	398	497	498	446	446	446	398	401	404	365	374	385	412	353	354	354	354	355	355	355	356	355	355	357	448	399	406	351	303	311	326	443	436	438	547	482	401	426	427	470	
S.Reserve Total		2840	3047	2894	3299	3563	3164	3283	3517	3831	4055	4078	4275	4248	4096	4332	4624	4684	4177	4107	3699	3550	3309	3315	3298	3694	3850	3988	3757	3561	3115	3278	2915	2766	2488	2375	2661	2838	2710	2574	1842	1673	1744	1875	1873	2105	2249	2363	2585	