

Daily System Generation Summary on Saturday

Saturday, May 21, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,306 MW
Distillate	0 MW
Total TNB	2,306 MW
Total IPP	19,876 MW
Total Co-Gen	0 MW
Total System	25,873 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,794	2.63 %
Gas	45,041	12.08 %
Total TNB	54,835	14.71 %
ST-Coal	233,079	62.53 %
LSS	5,106	1.37 %
Gas	78,618	21.09 %
Total IPP	316,803	85.00 %
Co-Gen	1,207	0.32 %
Total Co-Gen	1,207	0.32 %
Total Generation	372,845	100.03 %
PLTG	-614	-0.16 %
HVDC	733	0.20 %
Interconnection	119	0.03 %
Net Energy	372,726	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:	20:30:00 Hour
Total Set On Bus	18,510 MW
TNB Generation	3,265 MW
IPP Generation	13,950 MW
Spinning Reserve	1,243 MW
Maximum Demand	17,259 MW
Net Energy	372,726 MWH
Load Factor	89.98 %

Fuel Cost

Total Cost:	93,828,734.66 RM
Cost per Unit	25.19 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	285
Hydro	454
Syncon	377
Thermal	593
Total	1,709

Time	Weather	Temperature
Afternoon	Hot	37
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	101
Total TNB	132
CBPS	49
EMPP	201
NPRI	161
PCGP	80
PGLA	2
PLPS	6
SPGP	169
Total IPP	669
Total Gas	801
Total Gas Required	801

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	16399	15706	15101	14559	14140	13809	13745	13258	13204	14472	15403	16000	15847	15649	16159	16440	16523	16456	15912	15922	17247	17164	16789	16661

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, June 7, 2022 9:57:01 AM

(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	
HTRG	HY01		-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
HTRG	HY02		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	62	62	62	
HTRG	HY03		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
HTRG	HY04		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	4	4	4	3	3	
KNRG	HY01		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	34	34	34	34	
KNRG	HY02		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	38	38	37	37	37	37	
KNRG	HY03		37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	37	36	36	36	
LPIA	HY01		22	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20	20	20	20	
LPIA	HY02		21	21	21	21	21	21	21	21	21	21	21	21	20	18	18	18	18	18	18	18	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	HY01		0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	
PGAU	HY03		20	20	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	
PGAU	HY04		21	21	21	21	21	21	21	21	21	21	22	22	22	22	21	21	21	21	22	21	21	21	21	20	
SIHY	HY02		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	50	50	50	50	50	50	30	
SIHY	HY03		0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	30	30	50	49	
SYPS	HY01		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	17	
SYPS	HY03		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	17	
SYPS	HY04		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	25	25	25	17	
TMGR	HY01		42	42	46	56	42	46	58	44	42	69	43	43	42	42	69	85	71	71	86	43	68	43	75	39	
TMGR	HY02		82	82	83	83	33	33	33	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	0
TMGR	HY03		81	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	83	85	
TMGR	HY04		82	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	
UJLI	HY01		87	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
UJLI	HY02		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	
UPIA	HY01		5	6	6	6	6	7	6	7	6	7	7	7	7	6	7	7	7	0	0	0	0	0	0	0	
UPIA	HY02		4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Hydro			594	503	345	355	290	295	306	260	257	285	258	259	259	258	259	286	302	281	282	277	243	246	268	262	
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	1	4	7	11	15	18	20	22	23	25	25	26	26	
BKLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	1	3	7	11	14	10	24	26	26	32	31	32	20	
BSLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	2	4	9	14	9	14	21	28	14	31	10	32	32	
CHLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	1	4	10	16	22	24	29	25	40	39	42	41	44	
GELS	LSS1		0	0	0	0	0	0	0	0	0	0	0	2	5	8	11	11	16	22	24	22	18	26	11	28	
GNLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	2	5	8	12	20	27	38	13	44	45	43	36	48	
JELS	LSS1		0	0	0	0	0	0	0	0	0	0	0	2	3	7	6	14	8	14	10	21	24	30	27	13	
JSLs	LSS1		0	0	0	0	0	0	0	0	0	0	0	2	7	14	19	24	29	28	35	13	8	42	20	49	
KDLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	10	10	20	40	35	66	33	75	81	91	94	95	91	
KKLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	2	4	6	17	21	19	29	23	29	45	44	44	41	
KMLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	1	3	4	8	10	17	11	27	14	24	15	30	23	
KRLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	2	6	10	12	19	23	27	30	21	30	30	12	28	
MCLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	2	6	11	20	24	31	33	30	37	13	16	31	35	
PKLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	0	15	30	46	61	76	93	87	103	103	99	53	72	
SPLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	3	5	11	19	26	32	37	39	47	15	33	48	50	
SSLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	1	5	11	16	22	26	31	33	36	38	40	41	41	
STLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	1	3	7	12	15	15	24	18	17	19	18	16	29	
TBLS	LSS1		0	0	0	0	0	0	0	0	0	0	0	2	9	16	23	28	30	30	30	30	30	30	30	30	
Total LSS			0	0	0	0	0	0	0	0	0	0	0	37	101	196	313	390	481	544	575	618	630	668	627	714	

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	CUFG	20	21	20	22	22	21	21	21	22	24	25	24	23	23	24	23	24	24	21	22	25	25	24	25	26	25	25	26	25	25	25	25	25	26	26	25	26	26	26	26	26	26	26	26	24	25	26	
PCUF	CUFK	26	26	26	28	26	26	24	27	26	26	26	26	26	27	28	25	27	27	25	25	27	27	28	26	27	25	26	25	27	26	26	27	25	26	26	27	26	27	27	27	26	26	26	27	25	25	26	25
Total Co-Gen		46	47	46	50	48	47	45	48	48	50	51	50	49	50	52	48	51	51	46	47	52	52	52	51	53	50	51	50	52	51	52	52	50	51	52	53	51	53	53	53	52	52	52	53	51	49	51	51
Total Gen		16391	16017	15659	15395	15077	14753	14555	14215	14129	13898	13785	13690	13728	13659	13262	13018	13194	13803	14455	14970	15416	15704	15983	16092	15891	15770	15617	15941	16173	16433	16523	16617	16644	16588	16505	16160	15928	15766	15911	16823	17260	17267	17193	17039	16802	16699	16675	16518
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		31	31	31	31	31	31	31	30	30	30	31	31	30	30	29	29	31	31	30	30	30	30	30	31	30	30	32	32	30	30	31	31	30	30	31	31	31	31	30	30	31	31	31	31	30	30	31	31
TIE-PLTG		-38	-12	-77	-87	-55	-94	-35	-40	-41	-80	-54	-36	-48	-16	-26	-24	-39	-63	-48	-6	-17	-26	-48	-24	14	-16	-62	-46	-18	-43	53	21	90	55	20	15	-14	-20	-42	-79	-18	-23	-1	-27	-18	-33	-17	18
Interconnection		-8	18	-47	-55	-24	-63	-4	-9	-11	-50	-24	-5	-17	14	4	6	-10	-32	-17	24	13	4	-17	6	44	14	-32	-15	14	-13	83	52	121	85	49	46	16	11	-11	-49	13	8	29	4	13	-3	14	49
System Total		16399	15999	15706	15450	15101	14816	14559	14224	14140	13948	13809	13695	13745	13645	13258	13012	13204	13835	14472	14946	15403	15700	16000	16086	15847	15756	15649	15956	16159	16446	16440	16565	16523	16503	16456	16114	15912	15755	15922	16872	17247	17259	17164	17035	16789	16702	16661	16469
SRev ST-Coal		213	247	419	420	425	722	737	858	911	1024	1033	1035	1034	990	998	1003	989	1003	958	949	661	608	618	608	619	617	614	600	614	544	554	543	482	595	554	649	663	647	634	375	381	440	484	492	489	618	616	651
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		2146	2303	2027	1923	2079	2035	1724	1792	1694	1511	1513	1588	1554	1574	1616	1505	1440	1014	713	297	206	192	255	191	332	511	617	404	212	208	211	200	243	134	162	197	281	407	434	197	181	181	211	160	186	143	130	140
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	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		313	374	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	462	463	463	463	463	463	463	550	550	550	550	550	550	550	550	550	550	550	550	363	187	0	0	0	0	0	187		
Hydro		456	354	337	327	392	387	376	335	338	310	337	336	336	337	336	309	285	306	305	286	343	309	337	317	349	352	341	329	334	337	365	335	337	296	346	351	357	376	491	692	597	622	623	613	771	720	753	509
S.Reserve Total		3128	3278	3332	3219	3445	3693	3386	3621	3579	3481	3519	3595	3560	3537	3586	3453	3350	2872	2525	2081	1760	1690	1767	1723	1907	2037	2129	1890	1717	1646	1687	1635	1612	1575	1612	1747	1851	1980	1922	1451	1159	1243	1318	1265	1446	1481	1499	1487