

Daily System Generation Summary on Saturday

Saturday, November 26, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,436 MW
Distillate	0 MW
Total TNB	2,436 MW
Total IPP	17,646 MW
Total Co-Gen	0 MW
Total System	23,463 MW

Generation Mix

Type	MWh	Percentage
Hydro	21,713	6.17 %
Gas	50,387	14.31 %
Total TNB	72,100	20.48 %
ST-Coal	166,321	47.25 %
LSS	5,747	1.63 %
Gas	106,689	30.31 %
Total IPP	278,757	79.18 %
Co-Gen	795	0.23 %
Total Co-Gen	795	0.23 %
Total Generation	351,652	99.89 %
PLTG	336	0.10 %
EGAT	1	0.00 %
HVDC	-720	-0.20 %
Interconnection	-383	-0.11 %
Net Energy	352,035	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	17,308 MW
TNB Generation	4,132 MW
IPP Generation	12,217 MW
Spinning Reserve	943 MW
Maximum Demand	16,414 MW
Net Energy	352,035 MWH
Load Factor	89.36 %

Fuel Cost

Total Cost:	92,895,715.97 RM
Cost per Unit	33.15 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	561
Hydro	477
Syncon	800
Thermal	204
Total	2,042

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
SRDG	1
TJGS	113
Total TNB	114
CBPS	52
EMPP	311
NPRI	160
PCGP	90
PLPS	72
SPGP	211
Total IPP	895
Total Gas	1,010

Total Gas Required 1,010

Alternate Fuel Usage

Station	(mmcsfd)
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	15803	14601	13913	13599	13179	12988	12933	12707	12678	13754	14528	15259	15060	14863	15202	15490	15553	15296	15208	15710	16318	16078	15705	15386

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Friday, December 2, 2022 2:56:17 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	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JMAH	U002	705	705	703	706	705	701	707	704	571	343	230	311	404	509	432	302	304	645	705	706	707	704	708	703
JMHE	U001	970	974	974	974	898	896	900	899	850	848	850	849	850	850	853	850	848	853	850	933	949	950	952	975
JMHE	U002	973	976	975	970	901	897	901	901	851	848	851	848	849	861	850	851	847	852	848	953	951	947	949	972
JMJG	U002	681	679	679	676	676	685	678	682	677	679	678	682	684	683	679	679	678	675	683	680	677	684	677	660
JMJG	U003	672	672	668	678	666	672	671	672	662	677	666	673	668	674	659	645	679	662	677	671	670	672	671	667
JMJG	U005	977	979	978	976	908	902	901	900	853	849	851	848	852	850	850	854	853	849	902	946	949	946	966	976
PKLG	U003	153	159	183	215	212	146	144	188	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PKLG	U004	151	156	149	153	147	145	147	147	150	149	150	149	150	150	150	148	150	148	148	149	208	255	277	273
PKLG	U005	285	271	268	271	268	268	270	269	268	268	269	269	269	268	268	268	271	269	268	269	333	433	468	464
PKLG	U006	268	272	268	235	252	266	269	266	269	269	268	269	268	271	269	269	269	268	268	269	343	431	449	447
TBIN	U001	702	698	633	363	218	215	215	210	212	213	212	213	213	213	302	431	662	703	696	698	696	704	702	699
TBIN	U002	711	702	664	310	208	213	213	216	214	214	212	213	214	214	214	214	214	214	214	274	423	615	706	701
TBIN	U003	182	181	183	176	153	147	147	146	147	147	147	146	147	147	147	147	147	147	147	75	0	0	0	0
Total ST-Coal		7430	7424	7325	6703	6212	6153	6163	6200	5868	5504	5384	5470	5568	5690	5584	5438	5469	5892	6089	6553	6639	6909	7335	7539
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
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
CBPS	BLK2	371	361	364	370	370	365	364	362	362	372	371	366	365	363	361	361	363	363	361	296	323	362	299	205
EMPP	BLK1	723	655	694	726	725	715	714	690	710	725	728	720	717	713	531	698	661	617	633	645	729	710	703	714
EMPP	BLK2	723	648	693	725	726	716	715	711	715	724	728	718	717	713	710	711	710	690	729	710	708	714	710	694
EMPP	BLK3	723	646	692	726	726	716	715	710	715	725	728	718	717	712	710	711	711	710	690	728	709	707	714	710
NPRI	BLK1	531	518	524	532	532	527	521	521	523	530	523	526	524	518	526	530	530	529	522	535	529	526	469	353
NPRI	BLK2	533	522	526	536	535	527	526	524	524	534	533	528	528	527	521	531	530	534	532	524	537	533	529	478
PCGP	PGRG	628	602	610	632	631	617	611	609	609	628	631	619	617	614	603	605	610	606	601	588	636	604	594	613
PLPS	GT12	124	119	122	124	124	123	123	119	120	124	124	123	122	119	118	119	119	118	120	115	124	120	120	123
PLPS	GT13	113	107	110	113	114	112	110	108	108	114	113	112	112	108	109	108	108	108	106	114	107	107	110	109
PLPS	ST18	135	131	131	134	137	134	135	133	132	134	135	135	133	134	131	132	131	132	132	133	132	133	132	132
SPGP	BLK1	732	719	721	732	731	729	720	721	721	729	730	726	728	718	719	719	720	722	718	712	726	718	713	717
SPGP	BLK2	736	718	726	738	736	727	724	723	722	735	735	728	727	724	719	720	720	722	719	711	732	720	715	725
TJGS	GT1A	129	129	130	137	210	210	210	210	220	220	220	220	220	220	160	160	220	220	150	125	220	220	125	125
TJGS	GT1B	187	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	ST1C	165	165	77	77	77	120	120	120	120	120	120	120	120	90	90	120	120	100	75	120	120	75	77	77
TJGS	GT2A	132	132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TJGS	GT2B	127	127	160	160	210	210	220	220	220	220	220	220	220	160	160	220	220	150	150	220	220	150	157	158
TJGS	ST2C	193	193	96	96	120	120	120	120	120	120	120	120	120	90	90	120	120	100	100	120	120	100	95	95
Total CCGT-Gas		7005	6678	6376	6558	6704	6668	6648	6601	6641	6754	6766	6696	6689	6649	6430	6441	6413	6553	6552	6231	6496	6634	6534	6164
SRDG		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 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
BSIA	HY01	21	21	12	13	13	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY02	20	20	13	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSIA	HY03	23	22	12	12	12	12	12	23	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23	23
CEND	HY01	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10
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	7	7
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	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

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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
KNRG	HY01	36	36	36	23	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35	35	35	
KNRG	HY02	36	36	36	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	
KNRG	HY03	37	37	37	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	37	37	37	37	
KNYR	HY01	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	
KNYR	HY02	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	
KNYR	HY03	98	98	98	97	97	96	96	96	96	97	97	98	98	99	99	98	98	98	98	97	96	95	95	96	
KNYR	HY04	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
LPIA	HY01	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20	0	0	0	0	0	0	0	0	
LPIA	HY02	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	0	0	0	0	0	0	0	0	
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	81	82	21	21	81	82	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	81	47	21	21	149	149	
PGAU	HY02	82	83	21	21	22	22	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	21	22	22	22	148	
PGAU	HY03	21	22	21	21	22	22	21	21	22	21	21	21	21	21	21	21	21	21	21	21	22	22	22	22	
PGAU	HY04	21	22	21	21	22	22	21	21	21	21	21	21	21	21	21	21	21	21	22	22	21	22	22	21	
SIHY	HY01	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	51	51	31	31	
SIHY	HY02	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	
SIHY	HY03	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	
SYPS	HY01	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	80	80	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	81	81	34	34	80	
TMGR	HY02	85	85	36	37	86	86	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	85	33	33	33	85	
TMGR	HY03	81	81	32	33	33	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	81	81	81	
TMGR	HY04	71	43	44	82	82	49	42	43	44	83	63	48	74	41	44	44	45	42	42	73	41	41	41	42	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	99	101	95	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	184	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	94	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	
Total Hydro		1324	1299	864	826	938	903	723	597	611	750	753	728	615	642	609	614	614	614	676	816	864	700	700	721	721
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
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	
CHLS	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	
GBLS	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	
KNLS	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	
MNLS	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	

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
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
ESTL	ESTL	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
KHTC	BLK1	3	4	3	3	3	1	2	3	3	4	4	2	2	3	2	2	4	1	1	2	1	3	2	5
PCUF	CUFG	4	5	4	4	4	4	4	5	3	4	4	5	4	6	4	5	5	5	5	5	4	5	4	5
PCUF	CUFK	9	9	8	8	8	9	8	9	9	8	9	7	9	8	9	9	11	8	8	10	8	8	10	8
Total Co-Gen		41	43	40	40	40	39	39	41	42	40	42	38	41	41	42	39	43	40	37	37	25	26	31	20
Total Gen		15800	15444	14605	14127	13894	13763	13573	13439	13162	13048	12945	12932	12913	13022	12665	12553	12652	13324	13669	14108	14555	14914	15290	15173
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
TIE-HVDC		-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30
TIE-PLTG		27	51	34	8	11	21	4	29	13	4	-13	16	10	-30	-12	-10	4	-25	-55	8	57	37	61	50
Interconnection		-3	21	4	-22	-19	-9	-26	-1	-17	-26	-43	-14	-20	-60	-42	-40	-26	-55	-85	-22	27	7	31	20
System Total		15803	15423	14601	14149	13913	13772	13599	13440	13179	13074	12988	12946	12933	13082	12707	12593	12678	13379	13754	14130	14528	14907	15259	15153
SRev ST-Coal		269	264	376	410	640	637	643	642	733	684	696	691	693	654	675	688	655	660	578	466	367	369	326	139
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
SRev CCGT-Gas		607	934	662	362	216	232	242	289	249	196	184	204	211	241	460	449	477	337	338	659	414	256	356	726
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
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
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
Syncon		626	626	626	714	714	714	953	1104	1104	917	917	917	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104
Hydro		559	584	794	744	632	667	608	368	354	402	399	424	350	323	356	351	351	351	389	349	341	355	355	485
S.Reserve Total		2061	2408	2458	2230	2202	2250	2446	2403	2440	2199	2196	2236	2358	2322	2595	2592	2587	2452	2409	2578	2226	2084	2141	2303