

Daily System Generation Summary on Saturday

Saturday, October 9, 2021

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,068 MW
Distillate	0 MW
Total TNB	2,068 MW
Total IPP	16,574 MW
Total Co-Gen	0 MW
Total System	22,193 MW

Generation Mix

Type	MWh	Percentage
Hydro	19,876	5.47 %
Gas	47,814	13.15 %
Total TNB	67,690	18.61 %
ST-Coal	228,801	62.91 %
LSS	3,731	1.03 %
Gas	62,862	17.28 %
Total IPP	295,394	81.22 %
Co-Gen	1,211	0.33 %
Total Co-Gen	1,211	0.33 %
Total Generation	364,295	100.16 %
PLTG	1,300	0.36 %
HVDC	-700	-0.19 %
Interconnection	600	0.16 %
Net Energy	363,695	100.00 %

Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	17,881 MW
TNB Generation	4,479 MW
IPP Generation	12,672 MW
Spinning Reserve	680 MW
Maximum Demand	17,178 MW
Net Energy	363,695 MWH
Load Factor	88.22 %

Fuel Cost

Total Cost:	77,921,106.53 RM
Cost per Unit	21.38 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	568
Hydro	332
Syncon	309
Thermal	202
Total	1,411

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

Gas Usage

Station	(mmscfd)
GLGR	38
SRDG	10
TJGS	177
Total TNB	224
CBPS	48
NPRI	148
PGLA	104
PLPS	12
SKSP	23
Total IPP	334
Total Gas	558

Total Gas Required 558

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	15763	15055	14599	14182	13668	13322	13262	13154	12797	13923	14768	15309	15345	15233	15754	16196	16305	15941	15553	16058	17178	17009	16593	16364

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 3, 2021 1:06:50 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	703	703	704	702	703	705	703	699	651	652	600	601	601	601	602	550	550	648	692	698	693	692	692	692	695	693	691	693	693	692	693	692	693	692	694	702	702	700	705	701	699	702	702	702	698				
JMAH	U002	710	704	703	707	703	703	705	706	646	657	633	605	603	603	604	552	551	656	698	693	694	697	695	695	697	695	696	696	695	698	702	697	694	696	695	697	696	695	706	707	706	705	708	704	707	707	704	708	
JMHE	U001	974	976	976	977	920	920	849	851	849	855	821	818	820	822	821	817	818	822	902	901	900	953	976	979	977	981	980	977	982	977	980	984	982	977	980	978	979	981	981	984	983	980	980	977	977	980	980	980	
JMHE	U002	974	976	977	976	921	921	850	849	850	853	822	820	820	822	819	818	820	820	911	901	898	981	978	979	979	980	979	979	976	981	976	980	981	978	978	978	976	978	979	979	976	978	978	976	975	975	977	978	
JMJG	U001	677	677	679	678	673	676	671	640	654	644	650	651	649	647	650	650	648	648	648	648	648	648	648	648	648	648	648	678	672	672	671	672	681	672	676	677	677	678	679	678	677	679	679	677	679	675	679	674	
JMJG	U002	672	673	671	671	672	673	672	671	678	668	675	674	670	670	670	680	667	667	667	667	667	667	667	667	667	667	667	667	667	667	668	672	668	663	667	668	667	667	668	667	672	675	673	677	672	671	672		
JMJG	U003	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	680	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684	684			
JMJG	U004	979	978	979	978	923	864	810	756	761	743	703	664	596	594	484	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	U003	281	279	278	278	217	147	150	150	153	152	152	153	153	153	152	152	153	152	204	267	283	279	280	280	280	280	278	275	280	278	282	279	278	272	266	265	276	273	265	271	281	282	280	281	281	281	281	282	
PKLG	U004	276	277	276	279	192	157	153	154	156	153	156	154	154	155	155	154	153	153	221	259	277	278	278	278	277	278	278	276	279	279	279	283	277	273	276	280	278	276	279	277	280	280	280	279	277	278	278		
PKLG	U005	464	466	466	457	359	281	261	269	271	269	270	269	267	268	269	269	269	270	269	333	420	466	371	365	284	254	264	271	268	269	268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	U006	450	372	313	283	349	400	319	272	268	271	267	272	271	270	269	269	269	309	387	427	444	444	443	444	445	440	442	444	444	443	443	446	442	439	443	443	442	446	442	445	440	442	443	444	444	441	442	444	
TBIN	U001	700	698	699	696	703	698	699	697	649	600	599	600	600	600	602	552	550	597	691	689	692	689	688	690	692	689	689	690	687	691	693	691	690	690	691	690	689	689	698	697	697	699	697	697	699	696	696	697	
TBIN	U002	698	703	698	702	701	701	702	699	663	620	600	603	602	602	605	554	554	599	696	692	693	692	692	692	692	692	692	691	694	691	691	692	695	695	693	688	691	700	696	703	701	702	703	701	702	704	697	704	
TBIN	U003	699	700	697	697	699	699	701	697	669	617	602	603	602	603	604	551	552	581	691	691	692	691	692	692	692	692	690	689	693	692	691	694	692	691	692	690	692	690	699	702	699	700	703	702	702	704	700	701	
TBIN	U004	983	982	987	982	923	923	854	851	851	854	836	821	821	822	821	821	822	855	904	903	946	984	983	986	980	982	983	982	982	982	983	982	983	983	983	981	982	982	982	984	984	982	981	982	985	981	982	982	982
Total ST-Coal		10924	10848	10787	10747	10342	10152	9783	9645	9453	9292	9070	8992	8913	8916	8811	8239	8059	8428	9216	9454	9588	9808	9767	9769	9695	9653	9659	9699	9695	9697	9704	9452	9439	9402	9411	9415	9430	9433	9476	9478	9478	9489	9494	9477	9491	9481	9473	9482	
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	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	0	
CBPS	BLK2	301	225	223	212	222	218	232	224	215	218	224	221	218	243	219	261	226	220	223	239	239	284	372	323	339	365	357	365	365	365	363	361	362	361	364	366	364	366	366	366	368	359	365	362	363	358	365	361	363
GLGR	GT01	95	96	96	96	96	97	97	97	97	97	98	96	97	97	96	97	97	98	98	96	97	97	98	97	99	97	97	98	96	95	97	98	96	103	95	95	111	110	109	110	110	109	107	107	108	107	108	107	
GLGR	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	49	94	95	100	101	101	102	102	103	104	104	104	105	105	
GLGR	ST1C	38	38	39	39	39	40	39	40	40	40	40	39	39	39	38	40	39	40	39	40	39	40	41	40	40	40	39	40	40	41	39	40	41	40	42	39	82	99	100	99	99	99	99	98	98	99	98	98	
NPRI	BLK1	508	448	333	310	329	326	341	333	321	323	332	329	331	343	330	338	449	518	414	352	448	520	524	516	523	522	521	519	521	522	523	525	523	523	521	521	525	528	527	516	523	515	521	517	523	518	521		
NPRI	BLK2	511	451	401	313	333	331	361	339	327	328	334	334	335	374	445	413	523	518	347	511	520	510	528	518	526	524	524	524	526	526	529	529	527	525	524	526	528	531	532	521	527	516	524	517	525	519	523		
PCGP	PGRG	592	603	604	574	601	596	617	606	592	591	600	602	604	616	603	609	606	603	604	602	605	596	608	595	602	602	601	601	602	601	602	606	609	607	604	601	600	608	610	609	687	700	688	610	595	604	596	603	
PGLA	GT11	167	170	171	163	170	168	173	171	167	168	169	170	171	174	170	172	171	169	169	168	169	166	170	166	169	168	169	168	169	215	215	216	217	217	214	215	215	169	203	217	225	229	225	229	226	227	227	229	
PGLA	GT12	171	174	174	166	173	172	177	174	170	171	173	174	175	179	174	176	175	173	172	172	172	170	173	169	171	172	171	172	219	219	220	221	221	219	219	220	215	208	221	231	232	229	233	230	232	232	234		
PGLA	ST10	206	207	207	202	206	205	207	206	202	202	202	205	205	208	205	207	205	205	205	206	206	206	208	205	205	206	206	206	206	243	243	242	241	241	241	241	241	206	222	245	250	255	254	253	253	255	254	252	
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	44	44	43	44	65	138	140	144	145	145	146	145			
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	0	0	0	0	0	0	62	140	139	140	140	140		
PLPS																																																		

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	HY01	9	10	9	10	9	10	9	9	9	9	10	9	9	10	10	9	10	10	9	9	9	9	9	9	9	
CEND	HY02	9	9	9	9	9	9	9	9	9	9	10	10	10	9	10	10	10	10	9	9	9	9	9	9	9	
CEND	HY03	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	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	7	
HTRG	HY01	124	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNRG	HY01	34	34	34	34	34	34	34	34	34	34	34	34	21	21	21	34	23	23	23	23	23	23	23	23	22	
KNRG	HY02	35	35	35	35	35	35	35	35	35	35	35	35	21	22	22	35	21	21	22	21	22	22	22	22	24	
KNRG	HY03	34	34	34	34	34	34	34	34	34	34	34	34	21	22	22	34	22	23	23	22	23	23	23	23	22	
KNYR	HY01	94	94	94	95	95	94	95	95	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	
KNYR	HY03	95	96	96	95	96	96	96	96	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	
KNYR	HY04	96	0	0	0	0	0	0	57	56	55	60	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
LPIA	HY01	19	19	19	19	19	19	18	18	18	18	18	18	18	18	18	18	19	19	19	0	0	0	0	0	0	
LPIA	HY02	19	19	19	19	19	18	18	18	18	18	18	18	18	18	18	18	19	19	19	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	3	
PGAU	HY01	-1	-1	-1	-1	-1	-1	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	80	110	80	
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY01	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	82	82	81	82	82	-1	-1	
TMGR	HY02	45	59	50	40	71	45	88	79	44	44	45	47	56	88	45	88	88	87	67	81	87	76	87	42	67	
TMGR	HY03	0	0	0	0	0	0	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	-1	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	183	179	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	186	181	186	
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	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	5	
Total Hydro		718	605	470	460	492	465	520	498	518	516	517	525	569	601	496	541	540	684	603	620	630	638	651	660	712	660
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
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	27	27	26	26	26	28	26	27	26	27	26	27	27	27	27	26	24	25	23	24	22	23	24	23
PCUF	CUFK	24	24	27	26	27	24	25	26	26	28	25	25	27	24	25	26	25	25	26	25	25	24	23	22
Total Co-Gen		51	51	53	52	53	52	51	53	52	55	51	52	55	53	53	53	54	51	52	53	52	51	52	51
Total Gen		15825	15469	15109	14847	14604	14368	14161	13942	13688	13543	13349	13291	13265	13397	13183	12715	12770	13396	13876	14372	14689	15035	15259	15372
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	-29	-29	-30	-30	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-31	-31	-29	-28
TIE-PLTG		100	132	91	129	42	55	16	27	57	49	64	50	39	30	65	5	9	8	-11	-13	-44	-3	-14	33
Interconnection		69	102	61	100	12	25	-14	-2	27	19	34	20	10	1	36	-24	-20	-21	-40	-42	-72	-32	-43	4
System Total		15763	15374	15055	14754	14599	14350	14182	13951	13668	13531	13322	13278	13262	13403	13154	12746	12797	13424	13923	14421	14768	15074	15309	15375
SRev ST-Coal		153	214	217	212	528	539	612	657	835	923	957	959	964	967	844	818	828	787	496	467	422	218	197	162
SRev CCGT-Gas		931	1113	1279	1490	1361	1379	1273	1332	1398	1383	1352	1366	1360	1261	1265	1229	1046	995	1275	1158	1054	958	751	691
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 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 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 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		612	699	699	699	699	699	548	699	699	699	699	699	699	699	699	699	699	699	425	425	425	425	425	425
Hydro		158	84	94	104	72	99	196	66	146	148	147	139	96	64	168	124	125	68	149	132	122	114	101	249
S.Reserve Total		1862	2118	2297	2513	2668	2724	2637	2762	3086	3161	3163	3171	3127	2999	2984	2878	2698	2275	2345	2182	2023	1715	1474	1527