

Daily System Generation Summary on Saturday

Saturday, April 30, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,038 MW
Distillate	0 MW
Total TNB	2,038 MW
Total IPP	19,348 MW
Total Co-Gen	0 MW
Total System	25,665 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,634	2.72 %
Gas	41,462	11.69 %
Total TNB	51,096	14.40 %
ST-Coal	217,300	61.26 %
LSS	4,437	1.25 %
Gas	80,046	22.57 %
Total IPP	301,783	85.07 %
Co-Gen	1,272	0.36 %
Total Co-Gen	1,272	0.36 %
Total Generation	354,151	99.84 %
PLTG	107	0.03 %
HVDC	-686	-0.19 %
Interconnection	-579	-0.16 %
Net Energy	354,730	100.00 %

Maximum Demand Record

Date: 3/29/2022	18,840 MW
Date: 3/10/2020	394,238 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	17,378 MW
TNB Generation	3,263 MW
IPP Generation	12,803 MW
Spinning Reserve	1,258 MW
Maximum Demand	16,142 MW
Net Energy	354,730 MWH
Load Factor	91.56 %

Fuel Cost

Total Cost:	88,494,070.75 RM
Cost per Unit	24.98 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	626
Hydro	507
Syncon	465
Thermal	305
Total	1,903

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	43
TJGS	75
Total TNB	119
CBPS	54
EMPP	204
NPRI	163
PCGP	66
PLPS	26
SPGP	161
Total IPP	674
Total Gas	793

Total Gas Required 793

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	15936	15391	14713	14083	13712	13591	13458	12979	12692	13709	14366	14732	14709	14681	15305	15602	15624	15337	15148	15277	15869	16019	15984	15694

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Monday, May 9, 2022 10:43:27 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																									
JMAH	U001		694	693	696	695	696	696	695	695	695	696	697	675	606	563	525	428	405	484	607	642	696	696	696	696	694	694	689	695	696	695	698	694	696	697	694	695	694	697	695	696	695	694	695	694	696	697	695	604	
JMAH	U002		696	697	696	694	693	695	693	694	697	695	694	655	605	560	541	414	405	496	607	673	694	691	696	695	694	693	695	695	695	696	696	696	694	695	699	695	696	696	695	694	695	694	698	695	694	694	695	603	
JMHE	U001		977	975	980	979	981	919	917	878	881	880	848	852	852	860	850	849	851	852	852	850	851	932	930	926	927	925	927	927	927	976	975	973	972	977	976	982	976	972	978	973	978	971	969	972	974	974	974	973	
JMHE	U002		975	973	975	974	974	922	916	877	882	876	848	848	852	853	881	846	850	850	847	849	853	924	929	929	927	925	921	927	930	984	980	977	979	977	979	985	981	976	981	977	983	977	975	977	978	982	979	980	
JMJG	U001		677	671	677	674	675	675	673	673	673	674	677	677	669	680	673	677	672	673	678	674	673	674	673	674	675	676	667	676	673	674	673	674	674	682	678	675	677	675	678	678	681	680	678	676	677	678	679		
JMJG	U002		679	674	674	675	673	676	653	580	535	500	449	393	403	347	327	336	334	321	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
JMJG	U003		668	671	678	673	667	677	662	675	667	662	672	660	672	665	670	668	678	666	665	673	665	664	673	677	665	666	668	677	666	673	668	666	671	669	667	673	662	674	668	680	668	667	672	668	671	672	671	662	
JMJG	U004		929	930	928	928	932	931	906	884	884	884	854	854	850	854	852	853	853	854	854	854	853	878	932	929	928	931	931	930	930	930	930	927	930	930	932	931	930	933	930	931	933	932	929	931	931	932	927	927	930
JMJG	U005		975	972	972	972	972	915	920	874	866	861	851	848	851	850	851	854	850	852	851	854	849	914	929	929	933	932	928	933	931	979	975	971	972	972	973	973	974	977	974	970	974	972	973	973	972	971	972	975	
PKLG	U003		260	257	259	260	257	257	224	205	154	153	154	154	155	156	154	151	149	148	148	147	147	147	147	147	147	147	212	249	255	255	252	251	252	252	253	250	254	252	251	251	252	251	250	249	250	250	250	253	169
PKLG	U004		275	271	271	270	270	272	244	205	161	164	148	157	155	156	154	155	154	158	154	154	153	154	154	194	249	276	276	264	234	233	234	236	235	235	231	233	247	270	275	267	268	271	271	278	276	274	232		
TBIN	U001		210	211	211	211	211	211	211	236	353	431	500	563	602	600	577	502	501	576	689	689	690	691	690	689	689	689	688	689	691	690	689	689	689	689	688	687	688	687	689	689	688	690	687	685	687	687	688	688	
TBIN	U002		212	212	212	212	213	213	213	224	337	448	503	557	605	601	593	501	503	583	692	692	691	692	692	689	691	689	691	691	691	693	693	694	692	691	689	692	692	691	692	691	692	692	691	692	692	692	694		
TBIN	U004		908	853	852	854	852	854	853	853	853	853	854	851	854	852	853	854	853	851	854	854	893	941	940	939	937	940	940	936	936	929	932	932	935	932	933	934	933	932	934	936	932	932	935	931	932	932	934		
Total ST-Coal			9135	9060	9081	9071	9066	8913	8780	8553	8638	8777	8745	8744	8739	8586	8478	8084	8064	8366	8493	8609	8671	8948	9083	9073	9167	9254	9285	9302	9285	9410	9388	9381	9389	9396	9395	9408	9390	9408	9431	9442	9438	9418	9422	9422	9431	9434	9430	9123	
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		
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		352	359	358	358	340	340	220	270	360	360	363	356	359	360	352	357	363	360	362	359	359	358	359	361	347	352	347	355	362	359	359	360	360	362	349	363	363	366	365	358	363	354	350	359	354	351	354	363	
EMPP	BLK2		697	707	708	710	663	709	647	711	710	707	708	684	711	713	704	655	666	705	674	684	714	592	503	634	685	693	695	696	708	710	707	709	707	708	694	714	713	708	724	704	717	703	692	700	699	700	703	708	
EMPP	BLK3		698	707	708	709	662	709	647	710	709	707	709	681	712	714	704	654	667	704	674	684	714	592	503	636	686	693	695	696	708	709	707	709	707	707	696	714	712	708	725	704	717	704	692	700	698	701	703	708	
GLGR	GT01		106	108	108	106	107	108	107	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	64	70	108	99	104	67	68	66	100	103	103	102	103	104	102	104		
GLGR	GT02		107	107	107	106	107	107	107	68	94	93	94	94	94	94	94	94	93	93	93	93	94	109	108	107	107	107	107	107	106	107	108	108	108	108	107	107	103	67	67	67	102	104	104	104	104	104	104		
GLGR	ST1C		97	96	97	97	97	97	97	96	76	38	39	40	41	40	40	40	39	40	40	40	40	40	40	40	40	40	40	40	40	46	47	46	47	46	45	43	43	97	100	72	72	88	94	94	94	93	94		
NPRI	BLK1		512	521	518	523	521	525	517	524	526	524	524	523	524	527	519	518	526	526	526	524	526	523	521	520	506	509	511	511	523	518	518	520	519	519	512	515	516	517	518	514	519	515	509	515	514	516	515	521	
NPRI	BLK2		515	525	524	527	527	527	521	531	532	530	527	529	529	532	521	523	531	532	529	532	532	529	527	526	511	515	511	518	527	526	525	533	526	526	517	528	527	530	533	520	534	518	511	520	517	521	520	529	
PCGP	PGRG		577	449	451	451	454	261	262	260	261	303	260	259	260	270	262	262	260	261	262	262	264	403	400	402	344	403	506	502	504	501	503	502	501	502	502	404	509	502	519	544	559	591	582	587	589	592	589	602	
PLPS	GT11		141	141	145	145	145	145	142	128	126	127	129	128	129	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	GT12		147	148	150	150	150	151	148	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	GT13		140	140	143	145	145	144	142	123	119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PLPS	ST18		210	212	213	213	212	213	213	208	136	59	48	57	57	49	0	0	0	0	0	0	0	0	0	0	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		727	665	599	401	365	365	366	365	366	366	367	365	366	367	366	364	367	364	499	549	600	720	722	649	551	401	400	501	498	498	599	600	598	599	503	501	551	548	549	649	650	723	727	726	723	726	725	726	
SPGP	BLK2		726	723	598	401	361	362	362	360	362	361	362	360	360	363	362	360	362	360	499	549	600	721	721	646	550	398																							

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-PLTG		72	11	13	42	11	9	-9	-22	-31	-8	21	-17	-13	-48	-20	-20	-57	-11	-48	-17	-57	-16	4	24	4	-19	48	3	-2	5	59	21	67	44	110	16	81	19	-42	-42	-81	7	38	24	-1	-12	43	9	
Interconnection		44	-17	-15	14	-17	-19	-38	-50	-59	-36	-7	-45	-41	-77	-49	-49	-85	-39	-76	-45	-85	-45	-25	-5	-25	-47	19	-26	-31	-23	31	-7	39	15	81	-13	53	-9	-71	-70	-110	-22	10	-5	-29	-40	15	-20	
System Total		15936	15587	15391	14969	14713	14474	14083	13931	13712	13689	13591	13472	13458	13324	12979	12577	12692	13124	13709	14002	14366	14654	14732	14830	14709	14686	14681	15129	15305	15510	15602	15697	15624	15605	15337	15243	15148	15086	15277	15528	15869	16142	16019	16088	15984	15791	15694	15552	
SRev ST-Coal		309	385	364	374	380	533	647	690	688	731	804	776	830	898	856	851	837	865	721	650	588	458	322	333	343	330	307	290	307	146	168	175	147	140	141	128	146	128	105	94	154	174	170	170	161	158	162	330	
SRev CCGT-Gas		196	340	519	906	1183	1279	1546	1477	1332	1277	1313	1377	1311	1334	1312	1328	1278	1210	996	878	710	563	743	626	820	1216	1141	678	779	689	490	555	535	525	680	725	700	812	759	601	319	180	227	185	199	261	265	164	
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	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	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		363	550	550	550	550	550	550	676	676	676	676	676	676	676	676	676	676	676	489	489	489	676	676	676	676	489	489	489	489	489	489	489	489	489	489	676	676	676	489	313	313	0	88	88	363	676	676	676	
Hydro		677	471	507	500	507	498	508	389	352	327	328	371	379	334	348	362	361	328	416	443	419	357	357	355	360	464	328	361	518	485	485	478	481	481	528	425	381	366	462	541	517	904	864	850	700	532	476	449	
S.Reserve Total		1545	1746	1940	2330	2620	2860	3251	3106	3048	3011	3121	3200	3196	3242	3192	3217	3152	3079	2622	2460	2206	2054	2098	1990	2199	2499	2452	2005	2093	1809	1632	1697	1652	1635	1838	1954	1903	1982	1815	1549	1303	1258	1349	1293	1423	1627	1579	1619	