

Daily System Generation Summary on Wednesday

Wednesday, August 17, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,462 MW
Distillate	0 MW
Total TNB	2,462 MW
Total IPP	18,926 MW
Total Co-Gen	0 MW
Total System	25,014 MW

Generation Mix

Type	MWh	Percentage
Hydro	25,266	6.60 %
Gas	46,336	12.11 %
Total TNB	71,602	18.71 %
ST-Coal	214,264	55.98 %
LSS	5,948	1.55 %
Gas	90,534	23.65 %
Total IPP	310,746	81.18 %
Co-Gen	498	0.13 %
Total Co-Gen	498	0.13 %
Total Generation	382,846	100.02 %
PLTG	2,085	0.54 %
HVDC	-2,002	-0.52 %
Interconnection	83	0.02 %
Net Energy	382,763	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:	16:00:00 Hour
Total Set On Bus	19,149 MW
TNB Generation	3,658 MW
IPP Generation	14,289 MW
Spinning Reserve	1,183 MW
Maximum Demand	17,936 MW
Net Energy	382,763 MWH
Load Factor	88.92 %

Fuel Cost

Total Cost:	127,768,294.27 RM
Cost per Unit	33.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	732
Hydro	382
Syncon	389
Thermal	224
Total	1,727

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	46
TJGS	89
Total TNB	135
CBPS	43
EMPP	202
KLPP	34
NPRI	146
PCGP	72
PGLA	63
SKSP	45
SPGP	177
Total IPP	782
Total Gas	917
Total Gas Required	917

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	15710	14878	14302	13903	13574	13372	13600	13628	13996	15663	16583	17110	17087	16939	17472	17760	17936	17614	16488	16476	17449	17428	16876	16523

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, September 6, 2022 11:09:57 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	705	564	400	228	217	218	218	216	217	217	217	218	218	218	216	214	214	215	216	235	497	687	706	701	708	705	704	705	707	706	705	707	707	707	705	706	705	706	706	705	701	706	705	706	704	704	707	
JMAH	U002	703	702	703	705	705	707	708	704	708	706	706	705	706	707	702	707	709	705	708	706	706	705	706	707	709	708	703	705	706	705	706	706	708	706	705	704	710	709	706	706	701	704	705	703	700	706	705	
JMHE	U002	973	976	975	976	898	900	898	899	900	849	853	850	850	849	854	851	850	850	924	975	973	979	984	981	976	979	982	986	975	973	979	983	980	978	979	977	981	978	983	978	981	980	980	981	977	981	979	985
JMJG	U001	637	639	640	637	640	592	633	645	650	648	649	645	645	644	647	649	651	637	642	635	636	630	623	635	598	601	574	565	562	567	569	571	571	639	677	677	671	676	668	672	675	673	672	672	671	671	669	675
JMJG	U002	660	667	663	664	667	663	662	668	662	667	663	658	663	669	666	671	665	662	666	666	661	673	669	669	671	666	669	657	593	598	596	561	579	571	577	592	684	677	673	601	603	638	675	683	677	680	678	678
JMJG	U003	596	604	603	597	599	582	579	575	574	577	593	590	604	607	634	668	672	668	667	673	663	671	620	598	576	634	673	660	681	671	671	668	669	672	668	669	669	673	669	671	665	678	667	683	661	673	671	673
JMJG	U004	971	972	973	937	900	904	900	895	854	852	851	854	857	857	856	856	856	901	960	976	971	974	972	973	972	972	968	972	972	973	972	972	976	973	973	973	972	972	972	972	973	973	974	974	972	973	972	
JMJG	U005	975	973	978	895	900	900	904	871	854	850	851	850	848	849	852	852	853	951	981	981	983	982	983	983	983	979	981	979	979	980	979	981	980	981	983	979	982	982	980	985	983	978	981	983	980	978	981	981
PKLG	U004	148	147	143	145	149	146	148	147	149	150	150	148	149	149	148	148	147	150	149	149	151	149	150	0	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	U006	269	269	268	269	269	268	268	267	270	269	269	268	268	268	269	268	269	269	269	269	268	269	269	268	280	278	280	280	305	384	443	448	448	446	450	449	449	447	446	449	449	449	449	447	447	448	447	449
TBIN	U001	211	209	210	212	216	213	212	213	212	214	213	212	213	213	214	213	212	212	211	210	208	209	210	209	208	212	211	210	209	210	212	211	210	208	211	210	212	209	211	211	213	210	211	211	212	211	209	
TBIN	U002	698	698	699	701	700	701	705	700	700	699	703	700	702	700	702	702	703	700	701	702	699	699	703	700	698	702	697	701	699	702	710	702	698	699	703	705	697	700	702	702	701	700	702	698	701	701	704	699
TBIN	U003	704	705	707	704	711	706	702	700	707	700	702	700	700	703	695	717	702	703	701	717	715	713	718	718	718	717	720	721	721	706	699	698	707	700	700	699	700	695	700	706	701	702	701	702	701	700	701	702
TBIN	U004	940	943	938	903	901	906	906	885	852	853	851	852	852	853	853	853	853	925	943	941	942	942	942	944	939	943	943	939	939	940	939	941	943	939	941	941	938	939	941	941	941	938	936	940	939	936	939	940
Total ST-Coal		9190	9068	8900	8573	8472	8406	8443	8385	8310	8251	8271	8249	8275	8285	8316	8366	8355	8548	8735	8817	8810	9095	9234	9240	9027	9100	9115	9073	9045	9116	9181	9147	9170	9224	9275	9281	9366	9363	9360	9300	9293	9324	9356	9384	9348	9356	9363	9375
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	317	262	194	202	200	204	202	201	201	202	201	201	202	201	198	201	199	202	206	264	324	313	329	330	315	331	331	326	316	315	315	319	317	318	316	315	230	202	201	258	322	326	324	323	316	319	320	193
EMPP	BLK1	678	678	688	709	698	713	668	537	532	435	411	411	486	703	588	500	696	710	717	717	717	670	695	711	675	709	711	718	712	711	710	717	711	709	711	692	710	709	692	710	711	710	710	692	686	698	708	685
EMPP	BLK2	707	706	707	710	709	709	709	709	710	710	674	709	709	709	593	495	697	710	709	710	711	706	709	711	708	710	712	709	711	710	709	711	712	710	709	710	709	710	708	710	710	711	710	711	709	708	709	706
GLGR	GT01	99	108	108	108	69	66	66	67	65	66	66	65	67	64	65	65	67	65	67	66	66	65	65	64	63	66	65	67	66	68	90	66	65	65	64	65	66	67	67	67	65	65	66	66	66	67		
GLGR	GT02	98	106	106	106	68	65	65	65	65	65	65	65	64	64	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	89	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65		
GLGR	ST1C	86	97	97	97	80	71	70	70	69	70	70	70	70	70	69	70	70	70	70	70	69	69	70	70	71	71	70	70	90	72	73	72	71	71	71	71	70	71	70	70	70	70	70	70	70	70		
KLPP	GT13	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KLPP	GT15	70	70	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	
KLPP	ST17	95	79	60	60	59	60	60	59	60	59	59	59	61	59	59	59	60	60	60	61	61	58	59	59	59	59	61	60	60	60	60	59	60	59	59	59	59	59	59	59	59	59	59	59	59	59	58	
NPRI	BLK1	500	504	507	516	515	315	310	311	311	311	310	310	313	309	307	310	309	516	520	523	521	499	514	515	496	517	517	520	514	518	516	517	516	517	515	510	515	401	515	513	515	518	517	514	506	514	517	500
NPRI	BLK2	505	507	434	337	358	340	335	336	335	338	335	338	335	332	337	335	493	525	533	534	428	444	525	422	520	520	529	519	523	520	526	520	518	520	513	463	452	470	503	502	521	473	515	508	518	520	477	
PCGP	PGRG	381	382	383	404	397	411	403	401	402	404	402	403	407	399	396	401	401	402	409	416	414	372	400	401	370	401	403	418	398	407	501	516	604	604	602	590	602	555	603	597	603	610	602	597	586	597	602	530
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	61	100	110	110	105	189	227	208	168	173	218	218	178	135	134	134	219	220	218	220	219	218	218	136	134	135	135	205	219	220	219	219	133	134	134	134
PGLA	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	82	176	224	224	183	139	139	139	223	224	223	225	223	223	223	223	140	140	140	139	210	224	224	224	225	137	139	139	138
PGLA																																																	

Daily MW Generation on Wednesday

[illegible]

Daily MW Generation on Wednesday

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																								
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	16	16	8	21	26	50	50	39	47	42	15	32	21	26	40	16	10	18	28	12	1	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	4	10	16	22	27	30	35	38	40	39	42	42	41	40	39	19	31	14	14	7	3	2	1	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	1	1	3	8	14	18	22	25	26	27	9	9	10	10	11	13	10	8	5	1	3	1	1	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	1	7	15	22	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	26	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	17	122	251	428	526	659	749	823	727	795	680	692	674	709	706	629	626	631	479	416	303	144	77	35	4	1	0	0	0	0	0	0	0	0	
PCUF	CUFG	15	15	15	16	17	17	18	17	18	17	17	16	15	15	14	14	15	15	15	15	15	15	15	15	15	15	15	16	15	15	14	15	15	16	18	21	21	21	20	22	20	19	19	18	21			
PCUF	CUFK	5	4	5	5	5	5	5	4	5	5	3	4	5	5	4	5	5	4	5	6	4	5	5	5	5	4	3	4	4	4	5	4	4	3	5	4	4	5	5	4	4	3	5	3	3			
Total Co-Gen		20	19	20	21	22	22	23	22	22	22	20	22	23	23	23	21	22	19	19	20	20	18	19	20	20	19	18	20	19	20	19	18	18	20	20	22	26	24	26	25	26	24	22	24	21	24		
Total Gen		15742	15250	14896	14549	14294	14082	13898	13698	13559	13426	13347	13387	13617	13852	13632	13443	14004	15022	15586	16145	16576	16940	17108	17149	17120	16918	16896	17300	17497	17718	17759	17791	17966	17951	17672	17117	16560	16348	16473	17154	17438	17501	17433	17333	16947	16776	16560	16153
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		-49	-49	-48	-48	-49	-49	-48	-48	-47	-47	-48	-48	-49	-98	-98	-98	-99	-99	-98	-98	-98	-97	-97	-97	-97	-98	-98	-97	-97	-99	-99	-96	-97	-97	-99	-101	-100	-100	-96	-100	-96	-98	-99	-97	-100	-97	-48	
TIE-PLTG		81	79	66	36	41	9	43	14	33	-16	23	63	66	154	102	75	107	102	21	29	90	84	96	73	130	53	55	47	122	70	98	87	126	130	155	214	172	108	97	112	89	87	102	120	168	134	134	90
Interconnection		32	30	18	-12	-8	-40	-5	-34	-15	-63	-25	15	17	56	4	-23	8	3	-77	-69	-7	-13	-2	-24	33	-44	-43	-51	25	-27	-1	-12	30	33	58	115	72	8	-3	16	-11	-9	5	21	71	34	37	42
System Total		15710	15220	14878	14561	14302	14122	13903	13732	13574	13489	13372	13372	13600	13796	13628	13466	13996	15019	15663	16214	16583	16953	17110	17173	17087	16962	16939	17351	17472	17745	17760	17803	17936	17918	17614	17002	16488	16340	16476	17138	17449	17510	17428	17312	16876	16742	16523	16111
SRev ST-Coal		272	325	326	481	573	635	596	619	643	643	629	645	622	614	645	624	629	528	406	321	346	324	316	171	216	146	201	242	204	213	165	198	174	188	180	173	180	180	185	155	162	133	188	161	197	190	182	168
SRev CCGT-Gas		1117	1040	1197	1237	1382	1628	1695	1826	1835	1926	1994	1958	1911	1571	1802	2073	1682	1075	1122	1014	929	952	1134	1009	1006	1110	1151	803	695	646	553	524	457	443	517	781	1106	1297	1139	559	515	473	537	521	865	970	952	1237
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 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
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
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		525	739	739	739	739	739	739	588	827	827	827	827	739	739	827	827	827	827	827	613	525	525	525	525	525	525	525	525	338	338	338	338	151	151	338	525	525	525	525	525	0	151	151	525	525	525	525	525
Hydro		452	372	322	303	313	163	193	354	170	153	184	156	189	257	196	181	165	299	253	428	346	405	488	457	345	402	410	293	397	295	334	295	401	331	337	336	494	447	439	245	597	454	491	309	313	302	365	285
S.Reserve Total		2366	2476	2584	2760	3007	3165	3223	3387	3475	3549	3634	3586	3461	3181	3470	3705	3303	2729	2608	2376	2146	2206	2463	2162	2092	2183	2287	1863	1634	1492	1390	1355	1183	1113	1372	1815	2305	2449	2288	1484	1274	1211	1367	1516	1900	1987	2024	2302