

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,322 MW
Distillate	0 MW
Total TNB	2,322 MW
Total IPP	17,485 MW
Total Co-Gen	0 MW
Total System	22,224 MW

Generation Mix

Type	MWh	Percentage
Hydro	27,491	7.21 %
Gas	38,386	10.07 %
Total TNB	65,877	17.29 %
ST-Coal	219,394	57.57 %
LSS	5,942	1.56 %
Distillate	8,987	2.36 %
Gas	81,094	21.28 %
Total IPP	315,417	82.77 %
Co-Gen	497	0.13 %
Total Co-Gen	497	0.13 %
Total Generation	381,791	100.18 %
PLTG	2,222	0.58 %
HVDC	-1,530	-0.40 %
Interconnection	692	0.18 %
Net Energy	381,099	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	19,270 MW
TNB Generation	3,719 MW
IPP Generation	14,429 MW
Spinning Reserve	1,098 MW
Maximum Demand	18,103 MW
Net Energy	381,099 MWH
Load Factor	87.72 %

Fuel Cost

Total Cost:	144,366,974.30 RM
Cost per Unit	38.52 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	644
Hydro	245
Syncon	371
Thermal	156
Total	1,416

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	24

Gas Usage

Station	(mmscfd)
GLGR	34
SRDG	7
TJGS	133
Total TNB	174
EMPP	238
NPRI	69
PCGP	84
PGLA	45
PLPS	40
SGB3	53
SPGP	95
Total IPP	625
Total Gas	799
Total Gas Required	883

Alternate Fuel Usage

Station	(mmscfd)
EMPP	29
PLPS	45
SGB3	10
Total	84

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	15297	14502	14057	13697	13463	13245	13574	13452	13980	15524	16529	17016	16884	16685	17485	17928	18103	17688	16638	17071	17583	17335	16894	16306

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 3:48:47 PM
(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	708	705	704	707	705	705	707	704	707	705	704	712	704	705	706	704	707	705	704	704	705	702	706	707	708	706	707	705	701	705																						
JMAH	U002	700	705	704	703	704	706	702	707	704	705	707	703	706	705	705	706	703	705	705	704	706	701	705	705	705	706	705	699	704	702	707																					
JMHE	U001	977	980	976	978	901	899	900	850	850	849	848	850	852	850	851	893	977	976	976	978	978	976	983	982	976	973	980	975	977	978	976																					
JMHE	U002	979	980	978	979	900	900	899	851	850	847	848	847	850	849	848	849	895	980	978	980	981	983	982	977	977	980	978	974	978	973	979																					
JMJG	U001	668	666	667	671	666	668	667	669	662	664	663	669	665	666	666	671	668	668	666	667	668	664	668	668	667	667	668	667	666	664	546																					
JMJG	U002	677	677	674	675	676	673	673	677	670	672	676	677	675	671	679	675	679	675	678	671	676	674	678	673	676	669	674	671	671	675	679																					
JMJG	U003	578	598	597	596	660	668	671	667	671	672	671	672	672	673	676	659	676	666	596	623	681	678	672	674	678	679	675	677	693	696	695	668																				
JMJG	U004	977	978	977	978	903	903	901	890	852	854	855	853	854	854	855	852	864	920	977	977	977	975	976	977	973	974	976	975	975	977	976	971																				
JMJG	U005	0	0	0	0	0	0	0	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	283	282	283	282	284	284	282	281	281	281	281	282	283	283	282	283	282	282	281	282	283	283	282	279	281	278	276	275	276	275	282																				
PKLG	U004	273	274	273	273	279	273	273	273	274	275	274	276	273	278	274	275	273	271	276	274	271	272	272	274	270	269	271	273	274	275	270	269																				
PKLG	U005	465	464	466	467	458	466	464	467	463	464	466	466	464	467	469	471	479	474	473	469	468	468	464	466	468	469	462	464	466	473	467	467																				
PKLG	U006	445	442	443	444	444	445	446	445	443	442	445	446	445	444	444	444	443	444	446	443	442	443	445	444	444	443	444	443	441	446	444	443																				
TBIN	U002	703	701	708	701	702	702	702	702	703	700	702	701	702	703	700	704	703	702	701	703	701	700	701	703	700	702	705	703	701	701	702	702																				
TBIN	U003	696	698	699	699	699	701	698	699	699	699	699	699	700	699	700	698	701	700	700	700	700	700	703	698	701	704	703	699	699	700	698	702																				
Total ST-Coal		9127	9151	9148	9154	8979	8993	8987	8882	8829	8832	8840	8847	8836	8856	8854	8844	8965	9167	9162	9172	9237	9216	9228	9222	9231	9220	9214	9333	9239	9255	9233	9231	9233	9225	9231	9237	9226	9227	9223	9213	9213	9220	9278	9313	9382	9309	9329	9453				
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	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	0	0		
EMPP	BLK1	573	412	407	409	585	457	410	415	412	429	417	436	533	479	409	409	442	552	663	603	705	702	597	411	415	412	442	531	618	706	710	713	646	685	710	506	719	523	712	717	676	712	660	716	593	577	679	410				
EMPP	BLK2	705	701	406	410	592	454	409	412	409	434	414	436	532	482	410	409	448	556	661	704	709	709	696	711	705	708	711	715	718	709	710	713	710	710	709	581	719	520	712	715	677	712	700	715	693	717	676	692				
EMPP	BLK3	0	0	0	0	0	373	409	421	410	433	427	451	556	506	411	409	464	585	688	702	709	709	696	709	711	709	710	716	719	646	710	713	710	710	710	709	364	597	0	0	0	0	0	0	0	0	0	0	0	0		
GLGR	GT01	91	92	92	92	93	93	92	92	92	92	92	91	92	92	92	92	93	92	92	92	92	92	92	92	93	93	93	94	91	93	92	90	93	90	92	92	93	93	99	107	106	107	107	101	71	64	66					
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	0	0	25	44	85	100	106	106	106	106	70	65	66						
GLGR	ST1C	41	41	40	40	40	41	39	41	40	40	41	40	40	41	41	40	40	40	40	40	41	41	40	41	41	41	42	41	41	41	40	41	41	41	41	41	41	41	40	37	87	97	97	97	97	80	70	70				
NPRI	BLK2	296	311	301	310	310	308	308	310	311	309	310	310	310	310	309	310	312	308	309	512	518	518	518	516	516	517	520	522	521	517	518	521	517	512	518	516	524	520	518	523	518	521	514	520	513	524	469	304				
PCGP	PGRG	593	602	487	502	604	603	602	402	402	402	402	401	400	606	601	405	406	603	600	592	606	599	604	598	595	601	602	614	623	599	602	610	604	594	605	596	620	601	608	616	597	614	600	614	594	616	570	593				
PGLA	GT12	151	154	150	153	154	153	154	153	154	153	153	154	154	154	153	221	224	223	173	147	146	146	147	147	150	147	147	149	147	145	147	146	150	146	148	150	145	147	147	145	148	145	147	147	147	148						
PGLA	ST10	86	86	86	87	87	87	86	87	87	87	87	87	87	85	87	86	86	86	86	108	113	113	108	87	87	87	87	87	88	86	87	87	87	88	86	87	87	87	87	87	88	87	86	86	87							
PLPS	GT11	0	0	129	126	126	128	129	129	129	129	128	128	129	129	128	129	128	127	127	127	128	130	115	116	115	115	115	119	115	115	114	124	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
PLPS	GT12	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	120	119	120	120	120	124	120	120	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	86	142	142	112	113	112	112	112	112	116	112	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PLPS	ST18	200	175	170	126	59	59	57	57	58	57	56	57	56	57	57	57	57	57	58	59	115	142	146	198	197	197	197	197	197	197	198	174	173	200	201	173	200	201	201	200	201	202	201	202	201	201	200	200	200			
SGB3	GT31	110	111	110	111	111	110	110	111	111	110	111	111	111	111	111	111	111	111	111	111	111	114	114	114	115	117	124	118	119	119	119	137	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	140	140	140	140	110	110	140	140	140	110	0	0	0	0						
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	141	139	139	140	140	141	141	116	120	116	141	143	143	144	144	114	108	120	111	113
SGB3	ST34	63	63	62	62	62	62	62	61	62	59	56	55	54	53	62	57	56	55	54	64	58	57	57	56	55	55	64	63	133	133	144	215	215	219	211	185	195	192	201	206	205	206	206	192	188	157	128	103				
SPGP	BLK2	714	719	711	722	720	722	722	723	723	453	450	448	449	453	448	549	708																																			

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
BSIA	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
BSIA	HY03	23	23	23	23	23	23	23	23	23	22	23	23	22	22	22	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	9	9	9	9	9	9
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	63	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	63	63	63	64	62	62	63	63	63	63
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	118	116	116	117	116	116	63
HTRG	HY03	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	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
KNRG	HY02	38	38	38	38	38	38	39	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
KNYR	HY01	99	100	100	100	100	100	99	100	100	99	100	99	99	99	99	99	99	99	99	100	99	99	99	99
KNYR	HY02	104	104	104	104	104	104	104	104	104	104	104	104	104	104	103	104	104	104	104	103	103	104	104	104
KNYR	HY03	102	0	0	0	0	0	92	98	99	100	100	101	101	102	102	102	101	100	99	99	99	99	99	101
KNYR	HY04	97	98	98	98	98	98	98	97	97	97	97	101	101	101	101	101	101	101	101	101	101	101	101	101
LPIA	HY01	16	16	16	16	16	16	16	16	16	16	16	16	18	18	18	18	17	16	16	16	16	17	17	17
LPIA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16
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	152	152	152	22	22	22	22	22	22	22	21	21	22	22	22	150	150	150	151	151	151	150	151	151
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	30	30	30	30	30	30
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
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
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
SYPS	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
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
TMGR	HY01	78	79	79	62	62	62	34	34	33	34	34	33	33	33	34	33	33	34	34	78	78	78	78	78
TMGR	HY02	83	83	83	65	65	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	78	79	74	77	78	78	43	69	47	77	69	78	78	78	78	78	78	78	78	78	78	78	78	78
TMGR	HY04	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UJLI	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
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	-1
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
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
Total Hydro		1150	911	906	743	745	744	617	734	717	748	741	748	750	747	742	830	837	963	997	1062	1096	1160	1212	1209
EMPP	BLK3	597	608	591	610	243	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT11	144	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT12	150	149	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	140	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGB3	GT31	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 Distillate		1031	969	731	697	243	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

Daily MW Generation on Wednesday

		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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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