

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,925 MW
Distillate	0 MW
Total TNB	1,925 MW
Total IPP	18,104 MW
Total Co-Gen	0 MW
Total System	22,783 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,930	3.66 %
Distillate	563	0.15 %
Gas	39,238	10.31 %
Total TNB	53,731	14.12 %
ST-Coal	223,470	58.71 %
ST-Oil	4,748	1.25 %
LSS	3,860	1.01 %
Distillate	561	0.15 %
Gas	94,581	24.85 %
Total IPP	327,220	85.96 %
Co-Gen	972	0.26 %
Total Co-Gen	972	0.26 %
Total Generation	381,923	100.33 %
PLTG	537	0.14 %
HVDC	729	0.19 %
Interconnection	1,266	0.33 %
Net Energy	380,657	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:	15:30:00 Hour
Total Set On Bus	18,943 MW
TNB Generation	3,133 MW
IPP Generation	14,684 MW
Spinning Reserve	1,087 MW
Maximum Demand	17,907 MW
Net Energy	380,657 MWH
Load Factor	88.57 %

Fuel Cost

Total Cost:	93,363,079.35 RM
Cost per Unit	24.44 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	581
Hydro	541
Syncon	283
Thermal	149
Total	1,554

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	28

Gas Usage

Station	(mmcsfd)
GLGR	54
Total TNB	54
CBPS	45
EMPP	187
KLPP	1
NPRI	141
PCGP	72
PGLA	97
SGB3	52
SGRI	44
Total IPP	640
Total Gas	695
Total Gas Required	749

Alternate Fuel Usage

Station	(mmcsfd)
PGLA	3
PGLA	3
SGB3	1
SGRI	0
PKLG	47
Total	55

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	15871	15040	14525	14016	13685	13495	13586	13680	13843	15350	16251	16805	16656	16696	17362	17784	17898	17338	16290	16307	17304	17223	16813	16383

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	696	697	696	695	695	697	693	695	695	696	695	654	662	706	707	704	705	706	710	705	705	707	705	705	706
JMAH	U002	696	697	695	694	694	694	696	694	695	694	697	654	659	704	707	708	707	707	704	706	705	706	707	706	705
JMHE	U002	982	977	978	953	952	951	901	878	878	880	845	849	850	882	882	878	879	948	976	975	979	980	981	977	976
JMJG	U001	668	667	670	667	667	664	669	668	668	666	668	657	648	647	647	646	644	649	646	645	648	664	669	671	673
JMJG	U002	674	676	671	671	676	674	672	672	673	669	672	662	656	653	645	651	650	651	640	651	645	672	672	674	674
JMJG	U003	172	215	216	217	215	251	238	240	239	239	361	437	428	433	415	420	422	425	424	425	421	420	421	424	446
JMJG	U004	973	973	957	946	948	945	899	881	883	882	863	852	851	880	880	882	880	926	977	977	973	972	970	976	972
JMJG	U005	972	977	951	949	949	950	899	876	876	874	848	852	850	849	850	852	927	956	976	973	950	950	950	951	949
PKLG	U003	278	277	278	277	276	276	276	276	276	279	278	271	269	274	277	226	278	278	280	278	280	279	282	278	283
PKLG	U004	274	270	272	273	272	273	273	273	273	270	271	263	261	276	274	273	284	277	275	274	275	275	277	271	268
PKLG	U006	443	446	446	445	443	445	445	441	443	443	445	443	442	442	446	445	430	442	445	442	442	446	443	442	443
TBIN	U001	698	697	699	699	699	700	698	699	698	698	700	700	699	700	699	699	698	699	698	699	698	699	698	699	698
TBIN	U003	698	698	697	697	696	695	695	692	692	698	702	699	698	700	701	697	699	701	702	702	699	702	701	697	701
TBIN	U004	940	940	942	941	941	939	902	884	884	884	853	853	853	881	884	882	882	939	940	938	938	939	939	939	939
Total ST-Coal		9164	9207	9168	9124	9123	9154	8956	8869	8873	8872	8898	8846	8826	9027	9011	9012	9026	9262	9368	9397	9381	9408	9417	9413	9429
PKLG	U001	220	187	186	186	186	186	185	185	185	187	187	187	220	221	221	221	220	220	221	220	220	221	220	220	221
Total ST-Oil		220	187	186	186	186	186	185	185	185	185	187	187	220	221	221	221	220	220	221	220	220	221	220	220	221
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
CBPS	BLK2	223	224	225	222	222	226	223	226	224	223	230	226	223	225	227	209	219	226	225	218	225	333	362	361	322
EMPP	BLK1	713	676	704	676	702	591	568	574	467	456	446	454	517	481	440	394	428	496	486	615	649	710	710	708	703
EMPP	BLK2	714	675	704	676	699	590	569	574	464	457	445	453	517	479	440	393	429	496	485	615	649	710	711	708	703
GLGR	GT01	105	85	69	69	68	69	68	69	68	69	69	68	68	68	68	68	68	68	67	88	105	103	105	102	105
GLGR	GT02	106	85	68	68	68	67	68	68	68	68	68	68	68	68	68	69	68	69	89	104	104	104	104	104	104
GLGR	ST1C	87	82	76	71	71	71	71	70	70	70	70	71	71	71	70	70	71	70	79	92	92	93	92	93	93
KLPP	GT13	133	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KLPP	ST17	68	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPRI	BLK1	314	307	310	309	310	310	309	309	309	305	310	310	308	313	309	290	306	396	513	508	513	511	517	514	508
NPRI	BLK2	314	306	309	309	308	309	310	310	308	306	309	309	308	313	308	289	308	399	519	511	518	515	521	518	513
PCGP	PGRG	307	262	262	260	261	258	260	261	261	261	261	260	267	260	260	261	264	261	594	604	599	607	602	595	611
PGLA	GT11	227	223	200	169	170	169	169	169	170	168	170	169	170	171	169	163	170	169	169	167	169	168	169	169	167
PGLA	GT12	0	0	0	172	172	172	173	173	173	172	173	173	173	175	173	166	172	173	172	170	172	171	170	175	
PGLA	ST10	224	227	194	205	204	204	204	204	204	204	204	203	203	203	202	205	204	205	205	205	205	205	207	204	207
SGB3	GT31	0	97	110	111	112	112	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
SGB3	GT32	118	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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
SGB3	ST34	127	121	88	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
SGRI	GT11	0	109	112	138	137	137	124	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
SGRI	GT12	115	115	115	143	142	142	115	115	115	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SGRI	ST14	124	130	135	144	147	147	140	134	134	76	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
SKSP	BLK1	219	168	118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPGP	BLK1	0	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	BLK2	550	449	449	498	361	360	360	362	360	361	360	361	359	362	362	359	359	598	726	725	724	722	719	718	714
TJGS	GT1A	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	187	200	157	
TJGS	GT1B	115	113	114	113	116	114	118	118	114	117	113	112	116	114	117	115	113	116	113	117	116	117	179	190	147
TJGS	ST1C	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	192	220	212	165	
TJGS	GT2B	0	0	0	0	161	161	161	163	163	162	162	162	164	163	164	161	162	162	162	162	162	162	162	163	163
TJGS	ST2C	98	98	98	78	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101

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	
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	
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	
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	5	50	92	154	216	373	436	501	555	581	615	612
PCUF	CUFG	22	22	20	21	20	21	21	21	21	20	20	18	18	17	16	17	15	21	21	20	21	19	19	18	20
PCUF	CUFK	22	22	20	18	19	21	22	20	19	22	20	20	20	20	22	19	22	19	21	19	20	20	20	18	20
Total Co-Gen		44	42	40	39	39	42	43	41	40	43	40	40	38	38	37	38	36	39	34	43	40	41	40	39	39
Total Gen		15882	15474	15099	14859	14597	14371	14054	13866	13751	13572	13571	13530	13635	13819	13707	13573	13880	14808	15370	15902	16205	16491	16799	16856	16728
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	29	29	31	31	30	30	30	30	30	29	31	31	31	31	29	31	31	30	30	29	
TIE-PLTG		-19	54	29	44	43	13	8	22	35	37	46	38	18	15	-5	59	7	13	-11	30	-77	54	-37	71	
Interconnection		11	84	59	74	72	42	38	53	66	67	76	68	49	45	27	90	37	44	20	59	-46	85	-6	102	
System Total		15871	15390	15040	14785	14525	14329	14016	13913	13685	13505	13495	13462	13586	13774	13680	13483	13843	14764	15350	15843	16251	16406	16805	16754	
SRev ST-Coal		195	252	291	335	336	305	592	616	614	615	508	657	675	534	553	546	465	327	221	192	208	131	122	126	
SRev ST-Oil		0	-2	-1	-1	-1	-1	0	0	0	0	33	33	33	0	-1	-1	-1	-1	0	-1	0	0	-1	-1	
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		1767	2304	2223	1997	2118	2340	2428	2426	2653	2763	2648	2636	2510	2562	2656	2829	2697	2130	1794	1173	1029	815	611	580	
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 Distillate		154	36	87	89	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		500	500	500	500	588	588	676	676	676	676	676	676	676	588	500	500	500	500	500	500	500	500	500	500	
Hydro		337	334	329	327	468	419	362	363	361	356	354	355	354	354	357	322	381	385	327	510	496	508	487	509	
S.Reserve Total		2953	3424	3429	3247	3509	3651	4058	4081	4304	4410	4219	4357	4248	4126	4241	4372	4130	3341	2842	2375	2232	1954	1720	1714	