

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,920 MW
Distillate	222 MW
Total TNB	2,142 MW
Total IPP	16,864 MW
Total Co-Gen	0 MW
Total System	21,538 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,983	3.87 %
Distillate	2,134	0.55 %
Gas	35,258	9.10 %
Total TNB	52,375	13.52 %
ST-Coal	203,330	52.49 %
ST-Oil	4,762	1.23 %
LSS	3,964	1.02 %
Distillate	11,236	2.90 %
Gas	112,040	28.92 %
Total IPP	335,332	86.57 %
Co-Gen	1,076	0.28 %
Total Co-Gen	1,076	0.28 %
Total Generation	388,783	100.37 %
PLTG	702	0.18 %
EGAT	6	0.00 %
HVDC	717	0.19 %
Interconnection	1,425	0.37 %
Net Energy	387,358	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:	16:00:00 Hour
Total Set On Bus	19,171 MW
TNB Generation	3,062 MW
IPP Generation	15,077 MW
Spinning Reserve	991 MW
Maximum Demand	18,127 MW
Net Energy	387,358 MWH
Load Factor	89.04 %

Fuel Cost

Total Cost:	100,253,837.00 RM
Cost per Unit	25.78 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	560
Hydro	472
Syncon	204
Thermal	164
Total	1,400

Gas Usage

Station	(mmscfd)
GLGR	31
Total TNB	31
CBPS	49
EMPP	195
KLPP	52
NPRI	146
PCGP	82
PGLA	81
SGB3	42
SGRI	41
Total IPP	688
Total Gas	719
Total Gas Required	928

Alternate Fuel Usage

Station	(mmscfd)
PGLA	24
KLPP	28
PGLA	25
SGB3	43
SGRI	42
PKLG	47
Total	210

Time Weather Temperature

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	15892	15239	14599	14125	13842	13536	13658	13802	14187	15892	16709	17243	17151	17063	17751	18029	18127	17692	16697	16585	17723	17697	17101	16675

Daily MW Generation on Tuesday

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	696	696	696	695	696	695	694	696	695	694	696	695	697	696	695	694	696	695	696	696	699	696	695	696
JMAH	U002	697	696	694	694	694	694	696	696	695	694	695	697	694	696	695	695	696	698	695	694	696	695	694	697	696
JMHE	U002	981	981	981	981	978	981	881	881	879	882	877	878	867	869	879	863	682	497	498	498	499	443	399	400	401
JMJG	U001	672	679	666	673	671	668	672	671	673	673	671	670	671	663	667	667	668	666	665	671	668	667	665	666	666
JMJG	U002	597	596	591	573	542	551	553	552	552	557	552	590	678	673	674	672	673	671	675	673	672	671	674	677	604
JMJG	U003	0	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	U004	976	978	976	977	973	933	881	881	882	881	880	881	883	881	881	883	938	980	976	976	975	971	975	974	973
JMJG	U005	973	972	972	973	971	879	879	873	876	876	874	876	873	876	874	874	876	962	972	976	973	975	972	966	973
PKLG	U003	279	278	276	281	278	278	276	279	281	279	280	279	279	277	277	279	280	282	281	280	278	276	278	277	279
PKLG	U004	278	273	276	277	275	273	276	274	272	278	276	275	274	276	277	278	280	277	277	275	274	275	277	274	275
PKLG	U006	414	396	371	360	376	438	437	427	436	446	443	442	440	441	443	427	367	309	277	257	269	254	288	323	338
TBIN	U001	699	700	698	699	698	698	699	698	699	696	699	700	699	697	698	699	698	696	698	698	697	698	701	698	699
TBIN	U003	699	701	695	703	697	701	698	702	700	702	701	702	702	701	702	701	699	699	701	695	703	699	700	700	702
TBIN	U004	938	936	939	940	939	883	884	884	882	883	882	883	883	882	884	884	882	937	940	936	935	940	941	942	941
Total ST-Coal		8899	8882	8831	8827	8787	8673	8525	8512	8524	8543	8524	8571	8642	8627	8646	8617	8377	8321	8355	8335	8330	8267	8254	8292	8193
PKLG	U001	145	145	143	143	145	145	220	220	220	220	220	220	220	221	221	221	221	221	221	221	221	221	221	221	221
Total ST-Oil		145	145	143	143	145	145	220	220	220	220	220	220	220	221	221	221	221	221	221	221	221	221	221	221	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	362	373	372	221	223	224	217	222	225	225	226	224	221	223	225	225	222	357	356	359	359	363	355	363	356
EMPP	BLK1	703	715	668	662	684	671	602	566	476	430	456	412	455	500	467	501	676	697	699	708	708	709	697	715	691
EMPP	BLK2	703	716	668	663	682	670	603	563	476	430	456	411	455	497	468	500	680	698	699	708	708	710	696	715	692
GLGR	GT01	95	94	95	95	94	96	95	94	96	95	94	95	93	95	96	96	95	95	94	95	94	95	95	95	94
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
GLGR	ST1C	41	41	41	41	40	41	40	41	41	40	41	41	41	41	41	41	42	41	41	42	41	42	41	42	41
KLPP	GT13	139	141	139	135	129	128	129	129	132	129	129	129	133	133	133	133	135	135	134	137	138	139	139	139	139
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	72	150	144	0	0	0	0	0
KLPP	GT15	0	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	ST17	138	138	98	67	66	66	67	66	67	65	66	65	66	66	67	67	66	60	111	143	138	174	208	172	202
NPRI	BLK1	502	511	515	515	515	517	515	397	395	397	397	399	305	309	308	308	311	388	386	396	446	447	502	518	471
NPRI	BLK2	506	517	519	518	519	518	513	398	399	398	398	398	304	309	310	310	310	390	387	398	448	449	505	522	472
PCGP	PGRG	259	261	603	601	603	603	592	601	601	604	502	353	262	262	261	260	262	586	589	602	604	603	585	609	587
PGLA	GT11	166	169	170	170	171	170	167	170	170	172	170	171	169	170	171	171	171	167	167	219	217	217	211	217	211
PGLA	GT12	168	172	174	173	174	174	170	174	174	174	173	174	173	174	175	174	174	174	207	223	220	220	215	221	213
PGLA	ST10	202	206	205	205	205	204	203	205	204	205	205	205	205	204	204	205	205	203	230	240	242	238	245	239	210
SGB3	GT31	0	0	0	0	110	111	107	111	111	111	111	111	111	112	111	113	111	112	115	116	118	95	0	0	0
SGB3	GT32	109	112	112	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	146	146	146	144	114	
SGB3	GT33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	142	142	142	113	0	0	0
SGB3	ST34	191	156	126	114	60	56	56	56	55	64	60	60	57	57	56	56	56	67	126	138	138	205	188	188	199
SGRI	GT11	0	0	0	0	108	108	110	112	115	112	111	111	111	111	114	113	114	110	110	114	139	139	0	0	0
SGRI	GT12	115	115	115	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	137	138	138	140	112	110
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	138	135	44	0	0	0	0
SGRI	ST14	190	158	129	107	90	62	64	64	64	63	64	64	64	64	65	66	66	66	122	143	147	185	189	173	199
SKSP	BLK1	218	219	222	220	220	220	221	222	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	273
SPGP	BLK2	0	0	0	0	0	0	0	76	207	207	221	450	708	719	717	715	718	716	716	718	716	715	717	715	717
TJGS	GT1A	227	199	126	126	126	126	126	126	126	126	126	126	126	126	126	126	223	225	225	225	225	225	225	225	225
TJGS	GT1B	214	190	113	117	119	114	113	117	112	115	115	117	118	119	116	113	116	209	211	213	211	211	207	212	211
TJGS	ST1C	246	222	167	164	164	164	164	164	164	164	164	164	164	164	164	164	215	244	248	248	248	248	248	248	248

Daily MW Generation on Tuesday

[illegible]

Daily MW Generation on Tuesday

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	
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	
JELS	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	
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	
KDLS	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	
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	0	0	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	25	25	24	25	24	23	22	22	23	23	23	23	22	22	22	25	24	24	23	19	19	18	19	20	20
PCUF	CUFK	26	27	24	27	26	26	27	24	25	27	25	26	25	27	24	26	26	26	25	25	26	22	21	20	21
Total Co-Gen		51	52	48	52	50	49	49	46	48	50	46	49	49	50	49	47	48	47	52	48	50	44	43	45	41
Total Gen		15975	15605	15353	14963	14643	14468	14224	14008	13890	13695	13632	13677	13766	13871	13835	13848	14255	15314	15965	16451	16709	16916	17327	17544	17296
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	30	30	29	29	30	31	31	29	30	29	29	29	30	30	30	29	29	30	30	30	29
TIE-PLTG		53	86	83	31	14	14	69	56	18	-11	65	7	78	19	4	-11	37	69	42	-10	-29	-22	54	37	
Interconnection		83	117	114	62	44	44	99	86	48	20	96	37	108	49	33	18	68	100	73	21	0	7	84	67	
System Total		15892	15488	15239	14901	14599	14424	14125	13922	13842	13675	13536	13640	13658	13822	13802	13830	14187	15214	15892	16430	16709	16909	17243	17477	17151
SRev ST-Coal		155	170	156	160	200	310	411	418	408	391	402	499	415	434	423	435	612	230	196	216	221	284	297	159	218
SRev ST-Oil		-5	-5	-3	-3	-5	-5	30	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	0
SRev CCGT-Gas		1104	1034	1082	1240	1194	1183	1353	1803	1935	1801	1842	2317	2251	2132	2192	2129	1769	959	860	544	827	710	441	325	784
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
SRev Distillate		79	56	122	124	0	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	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
Syncon		500	588	588	588	676	676	676	676	676	676	676	676	676	676	676	676	500	313	313	313	313	313	313	313	313
Hydro		429	366	360	359	355	356	357	357	357	357	356	356	394	394	389	417	420	496	464	435	414	420	576	386	468
S.Reserve Total		2262	2209	2305	2468	2420	2520	2827	3254	3376	3225	3276	3848	3736	3636	3679	3656	3300	1997	1832	1507	1774	1848	1521	1169	1888