

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,070 MW
Distillate	0 MW
Total TNB	2,070 MW
Total IPP	17,572 MW
Total Co-Gen	0 MW
Total System	21,182 MW

Generation Mix

Type	MWh	Percentage
Hydro	18,952	5.01 %
Distillate	2,899	0.77 %
Gas	23,454	6.20 %
Total TNB	45,305	11.98 %
ST-Coal	212,763	56.27 %
ST-Gas	1,587	0.42 %
ST-Oil	5,295	1.40 %
LSS	4,118	1.09 %
Distillate	20,304	5.37 %
Gas	87,264	23.08 %
Total IPP	331,331	87.63 %
Co-Gen	993	0.26 %
Total Co-Gen	993	0.26 %
Total Generation	377,629	99.87 %
PLTG	215	0.06 %
HVDC	-696	-0.18 %
Interconnection	-481	-0.13 %
Net Energy	378,110	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:	16:30:00 Hour
Total Set On Bus	19,017 MW
TNB Generation	2,563 MW
IPP Generation	15,344 MW
Spinning Reserve	1,061 MW
Maximum Demand	18,050 MW
Net Energy	378,110 MWH
Load Factor	87.28 %

Fuel Cost

Total Cost:	103,041,701.90 RM
Cost per Unit	27.28 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	980
Hydro	436
Syncon	196
Thermal	120
Total	1,732

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmcsfd)
GLGR	36
SRDG	6
TJGS	96
Total TNB	139
CBPS	46
EMPP	181
KLPP	24
NPRI	125
PCGP	70
PGLA	25
SGB3	30
SGRI	17
SPGP	26
PKLG	16
Total IPP	560
Total Gas	698

Total Gas Required 1,080

Alternate Fuel Usage

Station	(mmcsfd)
PGLA	52
KLPP	80
PGLA	52
SGB3	41
SGRI	73
TJGS	30
PKLG	54
Total	382

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	15416	14678	14094	13693	13359	13121	13238	13425	13915	15601	16410	16845	16858	16768	17431	17838	18030	17750	16588	16429	17171	16921	16347	15952

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	705	707	705	706	705	704	691	706	657	605	608	607	605	654	657	705	707	706	705	708	707	705	706	706	706	704	706	705	706	705	705	706	707	705	705	709	706	706	705	706	705	707	708	707	705	706	704		
JMAH	U002	702	705	708	705	703	705	695	704	666	606	607	605	605	654	654	707	706	704	705	701	706	706	707	708	704	706	705	705	704	706	707	702	698	708	710	709	707	710	704	703	703	703	708	707	701	700	700	704	
JMHE	U002	976	978	931	930	924	881	878	880	882	879	879	879	880	879	881	882	882	930	977	973	981	984	983	978	981	975	978	979	977	979	982	982	978	980	981	979	974	974	980	980	980	979	982	981	978	978	981	981	
JMJG	U001	668	668	669	667	668	669	671	666	667	667	665	666	668	666	667	664	668	666	659	674	665	664	667	667	667	663	667	666	667	662	668	660	666	671	666	667	665	668	673	666	669	671	669	662	670	666	669	668	
JMJG	U002	666	668	671	666	671	668	668	668	669	669	669	666	671	667	666	671	670	672	672	666	673	662	674	668	671	668	668	668	667	667	668	659	664	659	667	668	663	666	666	664	663	665	664	665	666	668			
JMJG	U004	969	972	952	925	928	878	881	880	880	879	877	877	878	881	881	880	881	924	970	974	976	973	973	975	975	973	972	974	972	972	973	972	973	972	971	972	973	972	972	973	972	972	972	972	968	973	974	972	
JMJG	U005	971	973	926	932	929	879	881	881	881	881	885	877	880	879	881	887	882	969	972	972	971	974	972	973	950	950	951	951	949	953	952	951	950	952	952	952	952	952	949	952	951	954	950	951	952	957	952	954	953
PKLG	U003	275	277	278	276	278	278	280	275	280	276	279	277	279	280	278	279	277	278	278	274	277	277	276	275	276	277	277	278	277	276	275	274	273	274	275	274	273	275	277	278	277	276	277	277	278	277			
PKLG	U004	273	274	267	271	271	272	273	272	273	269	271	271	272	276	272	274	276	275	273	273	272	278	275	274	274	278	278	278	277	274	277	268	273	274	273	273	272	274	282	276	274	273	272	274	274	279	277		
PKLG	U006	445	449	441	441	442	442	446	448	452	455	441	443	446	443	446	450	449	446	448	448	448	446	448	445	444	444	444	446	443	444	442	443	445	445	449	445	448	446	442	445	443	445	449	446	449	446			
TBIN	U001	702	698	699	699	696	703	697	697	654	647	650	650	649	699	698	697	699	698	698	690	699	698	698	699	699	696	698	699	697	696	699	697	695	699	696	696	696	696	696	697	697	699	698	701	697	698	699	696	
TBIN	U003	703	700	702	701	702	701	701	703	697	653	653	653	652	702	703	701	701	700	700	700	705	701	698	701	701	703	701	702	704	699	701	699	702	701	702	702	701	702	700	700	698	698	700	699	699	700	701	699	
TBIN	U004	940	940	941	940	939	882	881	883	882	882	881	882	885	881	884	883	881	939	938	942	938	938	936	938	939	942	940	938	942	939	940	939	941	940	939	936	937	939	940	939	940	941	940	941	938	939	941		
Total ST-Coal		8995	9009	8890	8859	8856	8662	8643	8663	8540	8368	8365	8353	8370	8561	8568	8680	8679	8910	8993	8995	9016	9008	9012	9012	8986	8980	8982	8985	8984	8980	8991	8950	8968	8979	8980	8983	8970	8982	8992	8972	8977	8975	8988	8983	8983	8972	8995	8986	
PKLG	U001	171	170	170	170	170	170	171	171	170	170	170	171	171	170	140	144	144	144	142	140	140	140	140	141	141	141	141	141	141	142	142	142	140	140	138	137	141	141	141	141	141	141	141	141	141	141	141		
PKLG	U002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-Oil		171	170	170	170	170	170	171	171	170	170	170	171	171	170	140	144	144	144	142	140	140	140	140	141	141	141	141	141	141	141	141	141	141	142	140	140	141	141	141	141	141	141	141	141	141	141	141	141	
PKLG	U002	82	113	123	139	147	146	146	146	146	140	132	122	122	122	122	123	128	141	141	142	143	141	0	0	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		82	113	123	139	147	146	146	146	146	140	132	122	122	122	122	123	128	141	141	142	143	141	0	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	226	222	224	225	210	224	216	223	224	224	217	217	224	217	220	211	214	328	365	350	365	359	362	355	362	357	356	357	360	360	357	355	357	361	343	349	360	213	224	363	349	359	357	295	282	209	216	221	
EMPP	BLK1	497	376	375	374	361	374	365	376	375	376	375	370	374	371	378	364	384	435	550	687	701	652	650	644	653	643	645	650	650	649	650	650	650	633	636	644	645	649	651	636	648	708	711	696	695	709	705		
EMPP	BLK2	494	375	375	374	362	373	365	376	375	375	374	371	375	372	374	365	383	435	551	686	701	710	710	704	712	703	705	709	710	709	710	710	710	709	694	697	706	705	709	711	697	708	708	712	696	695	709	705	
EMPP	BLK3	384	373	374	373	360	373	364	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	GT01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	35	74	106	106	105	106	107	68	66	67	68	69	103	66	68	98	96	96	95	96		
GLGR	GT02	107	107	108	95	95	96	95	94	94	94	95	95	95	95	95	95	95	95	94	95	94	95	95	94	95	95	100	106	105	104	105	105	66	66	67	66	67	103	65	68	43	0	0	0	0				
GLGR	ST1C	45	46	45	40	39	41	40	40	39	41	40	39	40	41	40	41	40	40	40	39	40	40	40	40	39	39	39	42	88	96	96	97	98	77	72	72	72	72	89	76	71	76	41	40	41	41			
KLPP	GT13	140	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	132	137	137	136	138	139	140	139	139	140	140	140	122	140	139	119	114	120	122	121	138	139	122	124	119	119	122	122		
KLPP	ST17	203	203	166	136	135	133	133	133	134	133	133	133	134	133	134	144	137	139	134	201	204	203	203	203	203	203	203	203	202	200	201	202	202	201	202	198	197	199	199	200	202	201	199	200	199	200	198		
NPRI	BLK1	320	319	321	320	319	320	301	299	301	300	299	299	299	299	300	299	299	299	299	397	396	400	400	388	398	389	391	398	398	437	442	442	442	485	517	513	518	437	448	506	490	500	500	361	444	447	345	310	
NPRI	BLK2	310	310	310	311	295	311	299																																										

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
SRDG	GT05	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 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
BSIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	22
BSIA	HY03	24	24	24	24	23	24	23	24	23	23	23	23	24	23	24	23	24	24	24	24	24	24	24	24
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	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	8	7
CEND	HY04	7	7	8	8	7	7	7	7	8	8	7	8	7	8	8	8	7	7	7	8	7	7	8	8
HTRG	HY01	63	63	63	63	63	63	63	63	63	63	63	62	62	62	62	63	63	63	64	64	64	63	63	62
HTRG	HY02	62	63	63	62	62	62	63	63	63	63	63	63	64	63	63	63	63	63	64	64	64	63	63	62
HTRG	HY03	3	3	3	4	4	4	4	3	3	3	3	4	4	4	3	3	0	0	0	0	0	0	0	0
HTRG	HY04	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3
KNRG	HY01	34	34	34	34	24	24	24	24	25	25	24	24	24	24	33	33	33	34	34	34	34	34	34	34
KNRG	HY02	37	37	37	37	25	26	25	25	25	25	25	25	25	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	36	36	36	36	21	23	21	22	22	22	22	22	21	22	36	36	36	36	35	36	35	35	35	35
LPJA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	18	18	18	18	17	17	17	17	17	17	17	14
LPJA	HY02	15	15	15	15	15	15	15	15	15	15	15	15	17	17	17	17	18	18	18	18	18	18	18	17
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	HY03	20	20	20	20	21	21	21	21	21	21	21	21	113	113	113	153	152	152	82	81	81	110	112	112
PGAU	HY04	21	21	21	21	21	22	21	22	22	22	21	21	22	22	112	112	112	111	153	152	152	81	81	81
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	48	47	47	49
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	35
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	37
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25	25	25	25
TMGR	HY01	85	62	62	62	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	85	85	85	85	84	85	85	85	85
TMGR	HY02	90	67	67	67	32	35	33	35	35	35	34	35	34	35	33	35	86	90	86	89	90	90	88	67
TMGR	HY03	82	82	82	82	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	84	77	68	84	39	85	39	80	50	85	41	41	85	41	49	40	41	36	84	84	82	85	40	85
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	79	94	82	93	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	94	87	-1	-1	-1	-1	-1
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7
Total Hydro		727	675	667	684	449	475	422	467	437	475	427	428	472	427	435	428	432	942	1014	961	988	1037	1094	1039
KLPP	GT14	144	144	144	144	144	124	124	123	123	124	124	124	124	123	144	144	144	143	143	143	142	144	144	144
KLPP	GT15	145	145	145	145	145	124	124	124	124	124	124	124	124	124	140	140	140	140	140	140	140	140	140	140
PGLA	GT12	206	205	206	207	207	206	161	162	161	161	162	161	161	160	171	160	206	206	206	207	207	208	206	207
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	123	123	124	120	123	123	123	123	122
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
SGRI	GT11	125	125	124	126	125	107	103	107	107	106	102	106	102	106	102	123	126	125	122	123	123	123	123	123
SGRI	GT13	124	124	125	125	111	107	107	108	111	107	107	107	108	104	123	127	126	126	123	124	125	125	124	124
TJGS	GT2B	212	212	213	213	213	171	169	171	171	170	170	171	169	168	217	224	213	212	212	211	213	213	214	211
Total Distillate		956	955	957	960	959	885	790	792	794	798	792	788	793	786	801	830	960	1027	1076	1077	1070	1070	1076	1063
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	6	10	15	19	17	24	27	27	28
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	16	20	24	27	30	31	32	32	32
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	17	21	25	28	31	32	26	27	17
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	5	12	17	42	38	43	42	45	37
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	3	7	9	17	22	20	5	9	23	25	28

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	27	22	22	22	24	22	22	23	23	22	22	21	22	22	22	22	22	22	23	23	24	24	25	24
PCUF	CUFK	25	26	27	27	3	5	3	5	5	5	4	4	5	5	30	28	25	26	27	24	26	26	27	24
Total Co-Gen		52	48	49	49	27	27	25	28	28	27	26	25	27	27	26	28	28	26	26	27	52	51	49	50
Total Gen		15433	15054	14665	14467	14144	13955	13701	13450	13290	13197	13119	13077	13168	13328	13398	13587	13883	14907	15566	16056	16381	16579	16842	16986
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		-29	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-29	-29	-29	-28	-28	-30
TIE-PLTG		46	74	16	-20	79	-25	37	-29	-41	-16	27	30	-41	7	3	18	-4	37	-6	45	0	-14	27	30
Interconnection		17	45	-13	-49	50	-54	8	-58	-69	-45	-2	1	-70	-22	-27	-13	-32	8	-35	16	-29	-43	-3	0
System Total		15416	15009	14678	14516	14094	14009	13693	13508	13359	13242	13121	13076	13238	13350	13425	13600	13915	14899	15601	16040	16410	16622	16845	16986
SRev ST-Coal		149	135	254	285	288	412	430	412	536	676	668	674	655	511	507	402	399	234	151	149	128	136	132	132
SRev ST-Oil		-1	0	0	0	0	0	-1	-1	0	0	0	0	-1	-1	0	0	-4	-4	-4	-2	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
SRev CCGT-Gas		2416	2410	2313	2444	2514	2460	2546	2492	2500	2605	2619	2637	2605	2654	2615	2536	2558	2263	1960	1666	1517	758	1118	1062
SRev ST-Gas		35	37	37	1	23	24	24	24	24	24	30	38	48	48	18	18	18	17	12	-1	-1	-2	-3	-1
SRev Distillate		83	84	82	79	80	154	249	247	245	241	247	251	246	253	238	209	79	155	106	105	112	112	106	119
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		374	374	374	374	462	462	462	462	462	462	462	462	462	462	462	187	187	187	187	187	187	187	187	187
Hydro		449	501	509	492	639	526	579	534	564	526	574	573	529	574	566	573	569	421	349	402	375	326	269	316
S.Reserve Total		3505	3541	3569	3675	4006	4125	4376	4257	4418	4621	4687	4722	4631	4588	4493	4287	4168	3273	2761	2506	2318	1517	1809	1823