

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,938 MW
Distillate	444 MW
Total TNB	2,382 MW
Total IPP	17,024 MW
Total Co-Gen	0 MW
Total System	22,296 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,472	4.22 %
Distillate	9,406	2.41 %
Gas	38,091	9.76 %
Total TNB	63,969	16.40 %
ST-Coal	206,960	53.05 %
ST-Gas	260	0.07 %
ST-Oil	1,313	0.34 %
LSS	4,672	1.20 %
Distillate	10,307	2.64 %
Gas	101,560	26.03 %
Total IPP	325,072	83.33 %
Co-Gen	1,282	0.33 %
Total Co-Gen	1,282	0.33 %
Total Generation	390,323	100.06 %
PLTG	224	0.06 %
Interconnection	224	0.06 %
Net Energy	390,099	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	20,117 MW
TNB Generation	3,841 MW
IPP Generation	14,976 MW
Spinning Reserve	1,247 MW
Maximum Demand	18,840 MW
Net Energy	390,099 MWH
Load Factor	86.27 %

Fuel Cost

Total Cost:	104,266,563.00 RM
Cost per Unit	26.71 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,282
Hydro	449
Syncon	293
Thermal	123
Total	2,147

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	48
Total TNB	48
CBPS	50
EMPP	185
KLPP	62
NPRI	140
PCGP	62
PGLA	57
PLPS	25
SGB3	4
SGRI	31
PKLG	3
Total IPP	618
Total Gas	665
Total Gas Required	861

Alternate Fuel Usage

Station	(mmscfd)
PGLA	54
GLGR	7
KLPP	16
PGLA	54
PLPS	17
SGB3	1
SGRI	33
PKLG	13
Total	195

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	16251	15334	14767	14337	13898	13628	13751	13860	14365	16010	16909	17643	17446	17366	18230	18730	18817	18004	16637	16378	17323	17157	16761	16238

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	704	704	707	705	705	705	707	705	706	706	708	707	704	708	706	705	704	704	707	706	705	701	706	705	706	708	708	706	705	706																					
JMAH	U002	705	706	706	704	704	704	706	703	705	707	707	703	700	708	707	705	704	705	706	703	705	706	705	707	704	705	705	701	706	705	710	706	706	706	706																
JMHE	U002	978	978	979	981	978	876	881	884	876	881	878	881	877	883	884	884	883	967	979	983	978	979	985	976	978	983	980	982	983	981	985	977	981	984	977	981															
JMJG	U001	667	666	667	670	666	662	667	664	669	670	666	668	668	663	668	666	665	665	665	671	663	667	667	666	670	665	667	667	666	672	673	672	671	678	672	673	669	673	671	670	673	675	664	675	675	664	675	675	672	672	673
JMJG	U002	677	676	675	678	678	673	678	673	673	679	674	675	676	677	677	671	676	673	672	673	672	671	675	683	674	634	673	671	677	671	673	677	678	676	673	672	674	677	673	675	672	673	675	675	682	672	672	673			
JMJG	U003	652	667	680	676	663	679	672	662	661	662	672	677	687	673	681	665	671	658	678	677	667	671	666	673	677	593	570	631	645	637	651	646	654	659	656	666	661	662	645	672	671	672	685	666	669	667	665	667			
JMJG	U005	977	977	974	975	973	883	879	881	885	878	879	878	879	879	881	878	882	948	975	974	973	974	975	973	973	974	972	972	973	970	974	973	971	974	973	974	973	974	973	980	974	974	973	975	971	971	976	974	972	975	
PKLG	U003	274	278	280	274	276	277	274	274	279	278	277	276	275	277	276	277	276	276	276	275	279	276	273	275	277	275	277	268	268	237	233	233	232	233	233	232	235	233	236	256	269	279	282	281	272	276	280	279			
PKLG	U004	269	273	272	275	274	272	266	264	273	274	275	278	275	272	268	273	274	273	274	275	274	273	275	272	274	269	270	270	271	268	269	267	270	270	268	272	274	276	275	274	269	272	277	277	273	279	276	279			
PKLG	U006	451	448	446	449	450	448	447	446	446	448	450	449	445	446	448	449	448	446	451	445	448	445	448	450	450	449	449	450	445	445	441	445	445	441	443	449	449	445	445	445	445	449	449	449	450	445	446	449			
TBIN	U001	689	687	687	689	687	690	690	690	689	688	688	689	689	691	690	689	689	698	699	698	700	699	699	698	699	695	695	695	695	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	701	698	702		
TBIN	U003	689	693	691	691	689	690	690	691	692	690	690	692	690	688	693	687	692	689	697	706	700	702	701	700	704	700	699	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	701	700	699	695		
TBIN	U004	935	937	938	936	939	884	884	882	882	885	885	884	883	885	886	881	884	942	943	941	941	940	941	939	942	939	941	942	940	940	937	938	940	939	939	937	939	940	939	938	938	938	938	938	938	938	938	938	938	938	
Total ST-Coal		8667	8690	8702	8703	8682	8443	8441	8419	8437	8447	8449	8456	8448	8448	8466	8431	8448	8635	8721	8728	8705	8704	8718	8718	8732	8590	8611	8658	8670	8627	8642	8628	8650	8662	8641	8670	8661	8674	8651	8690	8705	8720	8742	8723	8728	8718	8706	8720			
PKLG	U001	186	186	186	186	186	186	186	186	186	186	186	145	145	145	145	0	0	0	0	0	0	0	0	0	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		186	186	186	186	186	186	186	186	186	186	145	145	145	145	0	0	0	0	0	0	0	0	0	0	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	U001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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		
CBPS	BLK2	357	363	363	288	218	223	226	226	215	220	216	223	215	237	219	212	228	363	363	358	366	363	363	357	362	364	356	359	359	364	360	362	360	359	353	353	354	365	364	363	372	361	362	364	357	359	361	360			
EMPP	BLK1	703	709	710	712	705	646	584	450	397	425	400	434	489	510	400	386	558	661	713	654	708	695	728	617	605	717	655	720	706	667	662	719	700	701	630	602	594	590	598	617	634	608	713	707	627	610	646	672			
EMPP	BLK2	702	709	709	711	548	644	580	450	397	425	400	435	489	511	397	385	558	660	713	654	708	694	728	618	604	717	654	720	706	668	662	718	701	702	629	602	594	589	598	616	635	609	713	707	627	609	645	670			
GLGR	GT01	66	67	67	66	69	67	67	69	67	68	67	69	67	68	67	67	68	67	67	68	67	93	103	102	105	101	103	104	104	105	103	104	101	102	101	102	103	100	99	104	106	106	106	105	104	106	104	106			
GLGR	GT02	67	67	68	67	68	68	68	68	68	67	68	67	67	67	67	67	67	67	67	94	103	103	103	103	103	103	103	103	103	103	100	102	102	103	103	103	100	0	0	0	0	0	0	0	0	0	0	0	0		
GLGR	ST1C	71	72	71	72	71	71	71	72	71	71	72	72	71	72	71	72	72	84	94	94	94	94	95	95	95	94	94	94	94	94	94	93	94	94	93	92	95	95	95	95	95	95	94	93	93	93	93				
KLPP	GT13	130	129	129	130	130	130	129	130	130	129	129	130	136	138	136	136	135	139	137	137	140	140	141	140	138	136	135	139	139	139	139	140	140	142	142	142	142	122	142	142	141	140	141	140	141	140	140	141			
KLPP	GT14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	59	147	151	153	154	155	156	156	158	160	161	119	160	158	158	159	159	159	152	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	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	66	66	66	66	66	66	65	66	66	66	66	66	66	68	67	67	63	60	148	143	124	127	133	132	129	143	202	202	203	203	201	201	201	201	202	202	192	203	202	202	203	203	196	209	166	126					
NPRI	BLK1	437	448	448	400	306	310	311	313	295	309	298	313	303	327	307	297	317	400	430	514	517	515	522	511	511	518	514	514	515	514	518	515	515	514	505	506	441	311	311	361	520	515	515	514	510	511	513	515			
NPRI	BLK2	439	448	449	313	304	310	309	313	296	309	297	311	304	326	306	295	317	403	443	517	521	520	534	514	512	526	520	521	521	518	521	521	519	519	509	508	433	311	310	367	528	519	518	519	512	517	517	518			
PCGP	PGRG	390	402	303	265	263	261	260	264	261	262	261	265	261	285	262	262	271	265	266	263	262	601	626	597	587	361	262	276	611	601	605	618	604	602	436	261	261	262	262	263	500	603	606	602	592	502	399	263			
PGLA	GT11	218	224	224	228	226	224	227	226	194	175	171	177	174	183	185	220	228	225	223	221	220	217	225																												

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																												
Total Distillate		257	348	212	213	617	643	643	642	635	444	446	447	449	445	548	647	652	644	642	642	639	701	878	880	879	878	875	1133	1116	1117	1111	1105	1091	1096	1104	1095	1108	1222	1232	1234	1237	1190	1117	1124	1118	1010	1011	913				
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	6	13	18	21	23	25	26	25	27	29	27	23	25	7	0	1	2	1	1	1	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	2	7	12	17	21	24	27	30	31	32	32	22	26	28	31	18	27	24	17	16	5	2	1	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	3	7	13	18	22	26	29	32	32	31	32	28	32	31	32	29	23	27	17	14	13	13	12	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	4	9	18	23	28	29	34	39	43	43	29	45	20	14	40	11	1	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	3	8	12	16	7	5	21	29	30	30	30	30	30	27	25	23	20	16	12	8	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	3	10	17	24	31	36	34	46	35	50	48	50	50	47	43	38	30	27	20	18	10	4	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	2	5	10	14	19	24	28	30	30	30	30	30	25	22	19	28	7	23	13	8	7	2	2	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	2	6	12	22	24	30	37	45	43	41	34	36	30	50	43	15	35	34	9	7	4	6	2	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	3	5	11	23	37	51	62	73	83	92	95	80	95	95	95	93	87	82	36	53	43	35	25	8	4	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	3	9	16	22	28	32	36	40	39	18	44	44	45	22	36	22	39	16	11	21	16	6	2	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	2	4	8	13	18	22	13	30	26	30	12	21	18	20	15	27	29	15	15	14	12	9	2	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	3	8	13	0	22	30	22	20	30	20	30	30	10	19	30	30	9	10	3	1	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	2	6	14	21	28	23	45	45	48	50	50	50	50	50	49	47	45	40	27	27	20	14	7	1	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	1	4	5	23	29	36	28	14	23	52	45	50	19	38	9	49	18	19	1	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	1	5	10	17	23	28	33	37	40	38	42	45	45	43	42	41	44	8	6	25	21	7	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	1	3	7	11	16	22	20	19	28	28	9	29	29	29	29	28	25	23	19	15	10	6	3	1	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	1	8	17	13	28	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	22	13	6	1	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	3	14	71	161	269	359	445	515	540	625	656	599	649	627	618	556	605	524	432	294	278	227	161	86	35	4	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	26	25	27	27	26	27	28	28	28	29	28	28	28	28	29	28	27	27	26	25	28	28	29	28	29	28	29	29	28	29	28	29	29	29	29	29	28	28	29	29	28	27	27	28	29	29	29	29				
PCUF	CUFK	25	24	25	25	23	25	24	25	26	28	25	26	26	26	24	25	26	25	26	24	25	27	26	25	26	26	26	26	26	28	25	26	24	26	26	26	25	25	26	26	27	26	25	27	25	26	25	26	26			
Total Co-Gen		51	49	52	52	49	52	52	53	54	57	53	54	54	52	54	54	52	52	52	49	53	55	55	53	55	54	55	55	54	57	53	55	52	55	55	55	53	53	55	55	56	54	52	54	53	55	54	55				
Total Gen		16209	15817	15388	15031	14808	14499	14347	14099	13917	13734	13646	13733	13803	14008	13838	13814	14305	15321	16002	16553	16990	17368	17611	17679	17533	17357	17434	17825	18292	18673	18731	18870	18860	18742	17953	17125	16667	16296	16356	16933	17285	17250	17136	17059	16783	16571	16267	16038				
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	0	0	0		
TIE-HVDC		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
TIE-PLTG		-42	-42	54	-17	41	43	10	-12	19	-62	18	-8	52	5	-22	24	-60	-9	-8	9	81	16	-32	33	87	6	68	20	62	63	1	30	43	39	-51	-41	30	-2	-22	-36	-38	-12	-21	36	22	1	29	42				
Interconnection		-42	-42	54	-17	41	43	10	-12	19	-62	18	-8	52	5	-22	24	-60	-9	-8	9	81	16	-32	33	87	6	68	20	62	63	1	30	43	39	-51	-41	30	-2	-22	-36	-38	-12	-21	36	22	1	29	42				
System Total		16251	15859	15334	15048	14767	14456	14337	14111	13898	13796	13628	13741	13751	14003	13860	13790	14365	15330	16010	16544	16909	17352	17643	17646	17446	17351	17366	17805	18230	18610	18730	18840	18817	18703	18004	17166	16637	16298	16378	16969	17323	17262	17157	17023	16761	16570	16238	15996				
SRev ST-Coal		157	134	122	121	142	339	341	371	345	336	332	327	333	340	322	356	342	189	103	96	119	120	106	106	92	144	123	126	154	138	123	137	135	123	144	115	124	111	134	134	119	104	82	101	96	106	118	104				
SRev ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	28	27	27	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	
SRev CCGT-Gas		1601	1581	1923	2237	2390	2424	2572	2797	2980	2996	3077	2963	2886	2956	3196	3142	2425	2169	2009	1828	1538	1325	1306	1388	1537	1723	1572	1328	1075	576	577	457	509	713	1401	1619	1770	2117	1980	1834	1235	1221	1085	1120	1381	1650	1454	1595				
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	6	7	2	-8	11	28	27	24	24	25	25	25	25	10	4	5				
SRev Distillate		117	26	19	18	58	32	32	33	40	231	229	228	226	230	127	28	23	31	33	33	36	114	90	88	89	90	93	118	135	134	140	146	160	155	147	156	143	135	125	123	120	167										