

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,225 MW
Distillate	0 MW
Total TNB	2,225 MW
Total IPP	17,470 MW
Total Co-Gen	0 MW
Total System	22,183 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,142	3.78 %
Gas	38,768	11.16 %
Total TNB	51,910	14.95 %
ST-Coal	199,637	57.49 %
ST-Oil	7,066	2.03 %
LSS	3,526	1.02 %
Gas	83,515	24.05 %
Total IPP	293,744	84.60 %
Co-Gen	1,132	0.33 %
Total Co-Gen	1,132	0.33 %
Total Generation	346,786	99.87 %
PLTG	255	0.07 %
HVDC	-700	-0.20 %
Interconnection	-445	-0.13 %
Net Energy	347,231	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:	20:30:00 Hour
Total Set On Bus	17,201 MW
TNB Generation	2,898 MW
IPP Generation	13,181 MW
Spinning Reserve	1,075 MW
Maximum Demand	16,220 MW
Net Energy	347,231 MWH
Load Factor	89.20 %

Fuel Cost

Total Cost:	90,994,216.55 RM
Cost per Unit	26.24 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,464
Hydro	414
Syncon	254
Thermal	236
Total	2,368

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Cloudy	25

Gas Usage

Station	(mmscfd)
GLGR	53
TJGS	126
Total TNB	179
CBPS	43
EMPP	185
KLPP	38
NPRI	124
PCGP	76
PGLA	62
PLPS	38
SKSP	1
SPGP	94
Total IPP	661
Total Gas	840
Total Gas Required	913

Alternate Fuel Usage

Station	(mmscfd)
PKLG	73
Total	73

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	16053	15521	14941	14474	14066	13703	13594	13120	12563	12959	13565	13946	13984	14033	14457	14587	14658	14499	14372	14748	15993	16152	15658	15684

Daily MW Generation on Sunday

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	706	705	706	708	705	706	706	707	704	706	706	707	706	654	655	655	705	706	705	706	706	705	704	703	705	704	706
JMAH	U002	705	707	700	704	702	706	704	702	704	706	704	706	704	653	651	654	701	698	699	702	703	705	706	701	703	704	714
JMHE	U001	979	983	984	975	952	950	949	897	898	900	900	900	901	907	900	849	851	851	849	851	850	848	852	871	930	928	927
JMHE	U002	780	946	983	978	956	946	950	899	899	899	900	900	903	900	849	851	851	847	849	851	849	854	880	929	928	927	980
JMIG	U001	666	668	673	673	672	671	671	671	673	621	658	674	672	673	671	672	675	674	676	674	677	679	676	679	675	677	672
JMIG	U005	975	975	977	977	944	948	952	915	898	902	900	901	900	899	899	842	840	854	848	848	854	852	849	867	931	929	930
PKLG	U003	264	263	265	263	261	263	264	263	262	263	262	264	263	263	265	209	206	205	254	262	261	264	262	262	263	262	259
PKLG	U005	457	464	463	468	464	466	468	465	466	469	466	468	464	466	464	466	466	466	465	465	470	468	463	470	469	468	467
PKLG	U006	448	450	447	446	448	449	447	450	449	446	446	449	452	452	449	392	359	358	404	447	444	446	447	449	450	447	449
TBIN	U001	697	697	698	699	693	698	696	698	697	697	698	692	698	696	699	696	699	699	699	699	699	698	696	698	695	693	697
TBIN	U003	701	700	698	701	703	702	701	700	701	702	701	703	701	700	702	705	701	702	701	702	700	702	698	702	704	706	702
TBIN	U004	939	937	936	938	939	939	940	915	902	903	902	901	904	901	905	854	854	856	854	852	854	856	851	860	932	934	936
Total ST-Coal		8317	8495	8530	8530	8439	8444	8448	8282	8253	8214	8246	8265	8267	8272	8273	7786	7699	7716	7942	8054	8066	8074	8061	8144	8387	8381	8380
PKLG	U001	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
PKLG	U002	197	190	148	148	147	147	147	147	147	147	147	147	147	147	147	147	147	147	146	146	146	146	146	146	146	146	146
Total ST-Oil		341	334	292	292	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	290	290	290	290	290	290	290	290
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
CBPS	BLK2	359	362	362	360	314	336	284	222	226	223	222	215	224	223	217	227	223	223	224	224	228	223	223	228	223	222	225
EMPP	BLK1	710	710	709	705	718	712	711	716	710	708	642	607	639	569	452	419	410	433	410	448	554	588	621	559	415	451	516
EMPP	BLK3	710	708	709	706	718	712	711	715	710	708	642	607	632	568	450	420	410	436	412	448	553	588	621	551	409	454	514
GLGR	GT01	81	83	83	82	82	83	82	83	81	82	82	81	82	82	81	82	82	81	83	83	82	83	81	81	81	80	82
GLGR	GT02	81	81	82	81	82	82	81	82	82	82	82	81	82	82	81	82	81	82	81	81	81	81	81	81	81	81	81
GLGR	ST1C	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82
KLPP	GT13	128	0	0	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	GT15	145	145	130	130	130	130	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
KLPP	ST17	142	104	69	68	71	69	70	70	69	69	68	68	69	69	68	69	68	68	67	69	69	68	69	69	69	69	69
NPRI	BLK1	399	399	404	395	406	401	398	356	350	320	316	313	318	319	316	320	317	319	318	320	322	320	323	319	320	319	309
NPRI	BLK2	400	401	404	398	406	403	400	355	349	310	305	304	308	309	308	311	305	311	309	313	310	308	310	309	311	310	313
PCGP	PGRG	603	602	603	597	610	606	501	510	502	503	402	401	401	403	402	403	400	404	406	405	407	402	405	401	402	404	401
PGLA	GT11	217	189	172	170	169	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGLA	GT12	217	192	175	175	177	177	167	168	166	167	165	163	165	166	166	171	164	166	166	166	166	166	167	166	167	166	166
PGLA	ST10	238	227	205	206	141	83	92	94	93	93	92	92	92	92	93	93	92	93	93	93	93	93	94	93	94	93	93
PLPS	GT12	119	119	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PLPS	GT13	109	108	122	125	124	124	125	124	125	124	125	124	124	124	124	125	125	124	125	125	125	125	124	125	124	125	124
PLPS	ST18	134	132	116	58	59	59	59	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
SKSP	BLK1	219	23	0	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	BLK1	710	728	727	727	727	728	723	725	726	721	729	667	599	500	501	360	363	364	361	363	362	550	551	549	550	450	449
TJGS	GT1A	222	221	220	183	118	124	121	121	125	125	125	124	122	125	122	125	126	123	122	123	123	124	125	122	122	122	121
TJGS	GT1B	216	214	213	182	114	119	115	118	120	118	117	115	116	119	116	117	116	116	115	116	116	116	116	115	115	116	118
TJGS	ST1C	250	250	247	223	172	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164
TJGS	GT2A	230	230	229	164	164	163	163	164	164	162	163	163	163	163	163	163	163	163	162	162	162	162	162	163	163	163	163
TJGS	ST2C	120	120	120	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
Total CCGT-Gas		6841	6430	6237	5910	5677	5458	5262	5140	5114	5033	4794	4643	4652	4430	4179	4002	3962	4023	3971	4055	4277	4516	4596	4444	4160	4144	4255
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	0	0	0
BSIA	HY01	22	0	0	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	HY03	23	23	23	23	23	23	23	23	23	23	23	22	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22
CEND	HY01	10	9	9	9	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

Daily MW Generation on Sunday

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
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	8	8	8	8	7	8	8	8	8	8	7	8	8	8	8	8	8	7	7	7	7	7	7	7
HTRG	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
HTRG	HY03	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
HTRG	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
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	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY03	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	36	36	35	35	35
LPIA	HY01	18	18	18	18	18	18	18	18	18	19	19	16	14	14	14	10	12	12	12	18	20	22	24	21
LPIA	HY02	19	20	19	19	19	19	19	20	20	20	17	14	12	12	11	0	0	0	0	0	0	17	20	20
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	21	21	21	21	21	20	21	20	21	21	21	21	21	21	21	0	0	0	0	0	0	21	21	20
PGAU	HY04	20	20	20	20	20	21	20	20	20	20	20	21	21	21	21	20	22	21	21	20	21	20	20	20
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	30	30	30	50	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	50	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25
TMGR	HY01	82	82	82	82	82	82	82	-1	-1	-1	-1	-1	-1	-1	-1	34	34	34	34	34	34	34	84	84
TMGR	HY02	83	0	0	0	0	0	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	85	85	85
TMGR	HY03	54	41	41	40	57	62	41	85	77	47	40	40	41	41	50	41	41	41	43	42	42	41	40	40
TMGR	HY04	81	81	81	81	81	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	32	33	33	33	33	33	84	84	84
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	44	94	90
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5	5	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	5	5	5	5	5	5	5	5
Total Hydro		585	467	466	465	481	407	416	461	370	342	335	332	330	325	324	467	503	494	537	538	589	559	562	564
Total Distillate		0	0	0	0	0	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
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
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
PKLS	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

Daily MW Generation on Sunday

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		
PCUF	CUFG	22	22	22	21	22	22	21	21	20	22	22	22	22	21	23	22	22	22	24	22	23	22	22	21	21	20	20	19	17	18	18	18	18	18	18	19	21	20	21	20	23	21	20	21	22	21			
PCUF	CUFK	24	27	27	27	27	26	26	28	26	26	27	26	27	28	28	27	26	25	25	27	26	27	27	26	26	24	26	26	25	27	26	27	27	27	26	28	26	27	23	26	27	25	26	26	26	27	26		
Total Co-Gen		46	49	49	48	49	48	47	49	46	48	49	48	49	50	49	50	48	47	47	51	48	50	49	49	47	47	44	46	45	42	45	44	45	45	45	45	44	47	47	47	44	47	47	48	47	46	47	49	47
Total Gen		16130	15775	15574	15245	14937	14648	14464	14223	14074	13928	13715	13579	13589	13368	13119	12607	12547	12652	12908	13174	13519	13826	13929	13963	13965	13941	14064	14293	14457	14524	14585	14637	14658	14569	14488	14298	14312	14259	14668	15646	15945	16126	16091	15879	15645	15734	15674	15541	
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		
TIE-HVDC		-28	-28	-28	-28	-28	-30	-30	-28	-28	-29	-29	-30	-30	-28	-29	-29	-31	-28	-31	-28	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-28	-28	-30	-31	-30	-29			
TIE-PLTG		104	58	81	53	24	29	20	-18	37	18	42	-13	25	9	28	4	13	-1	-21	3	-15	39	13	86	11	-28	60	23	29	34	27	38	29	-6	18	-43	-30	-86	-50	-8	-19	-66	-33	-28	17	-48	20	34	
Interconnection		77	30	53	25	-4	-1	-10	-46	8	-11	12	-44	-5	-21	-1	-25	-16	-30	-51	-25	-46	11	-17	56	-19	-57	31	-6	0	5	-2	9	0	-35	-11	-73	-60	-115	-80	-37	-48	-94	-61	-56	-13	-78	-10	5	
System Total		16053	15745	15521	15220	14941	14649	14474	14269	14066	13939	13703	13623	13594	13389	13120	12632	12563	12682	12959	13199	13565	13815	13946	13907	13984	13998	14033	14299	14457	14519	14587	14628	14658	14604	14499	14371	14372	14374	14748	15683	15993	16220	16152	15935	15658	15812	15684	15536	
SRev ST-Coal		66	88	73	73	164	159	155	319	345	388	357	338	336	330	329	615	615	610	510	412	407	393	411	393	231	237	238	227	239	235	244	229	227	217	237	243	228	236	226	82	94	105	93	96	124	94	107	82	
SRev CCGT-Gas		754	1012	783	894	1127	1346	1167	1289	1315	1396	1635	1786	1777	1999	2250	2427	2467	2406	2458	2374	2152	1913	1833	1985	2269	2285	2174	2009	1815	1702	1556	1536	1378	1402	1469	1474	1419	1424	1002	316	564	432	428	630	837	823	834	789	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
SRev ST-Oil		8	15	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30	30	31	3	33	54	54	53	54	54	54	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		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Syncon		313	313	313	313	313	401	401	401	489	489	489	489	489	489	489	489	489	489	401	401	313	313	313	313	313	313	313	313	313	313	313	313	313	313	313	313	313	313	313	126	126	126	126	126	126	126	126		
Hydro		359	366	367	368	352	338	416	371	374	402	409	412	414	419	420	452	440	422	467	466	503	383	380	378	381	380	378	377	377	368	373	508	474	502	508	548	548	546	545	647	445	412	464	470	468	424	462	463	
S.Reserve Total		1500	1814	1565	1677	1985	2273	2168	2410	2553	2705	2920	3055	3046	3267	3518	4013	4041	3957	3866	3683	3406	3005	2970	3123	3248	3268	3157	2980	2798	2618	2486	2586	2392	2434	2527	2578	2508	2519	2086	1171	1229	1075	1111	1322	1555	1467	1529	1460	