

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	18,588 MW
Total Co-Gen	0 MW
Total System	24,242 MW

Generation Mix

Type	MWh	Percentage
Hydro	10,562	2.66 %
Gas	47,769	12.03 %
Total TNB	58,331	14.69 %
ST-Coal	257,356	64.80 %
LSS	5,986	1.51 %
Gas	76,017	19.14 %
Total IPP	339,359	85.45 %
Co-Gen	-548	-0.14 %
Total Co-Gen	-548	-0.14 %
Total Generation	397,142	100.00 %
PLTG	-19	0.00 %
HVDC	1	0.00 %
Interconnection	-18	0.00 %
Net Energy	397,160	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,724 MW
TNB Generation	3,495 MW
IPP Generation	15,122 MW
Spinning Reserve	1,152 MW
Maximum Demand	18,562 MW
Net Energy	397,160 MWH
Load Factor	89.15 %

Fuel Cost

Total Cost:	102,657,187.25 RM
Cost per Unit	25.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	398
Hydro	334
Syncon	708
Thermal	195
Total	1,635

Time Weather Temperature

Afternoon	Hot	36
Morning	Sunny	30

Gas Usage

Station	(mmscfd)
GLGR	36
TJGS	185
Total TNB	220
CBPS	50
EMPP	206
NPRI	80
PCGP	89
PLPS	65
SPGP	104
Total IPP	594
Total Gas	815
Total Gas Required	815

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	16777	15960	15399	14830	14446	14053	14018	13982	14283	15930	16858	17373	17439	17099	17462	18319	18488	18436	17135	16822	18153	18097	17514	17423

Daily MW Generation on Friday

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	713	708	701	706	671	607	505	454	456	404	406	353	353	353	400	567	707	705	704	705	704	706	705	707	705	705	704	705	705	705	706	707	704	706	703	706	705	705	705	704								
JMAH	U002	697	704	707	700	701	709	645	601	507	459	455	404	404	352	356	355	414	623	702	708	703	705	711	703	702	706	702	705	706	705	710	702	709	705	706	701	702	710	706	705	705	700	708	700	701	701	705	704		
JMHE	U001	974	978	979	976	981	975	950	951	947	901	897	900	898	900	898	899	902	968	977	978	981	975	977	978	977	977	975	974	980	984	981	982	981	977	979	983	971	980	977	978	974	980	974	974	975	976	979	975		
JMHE	U002	978	844	699	702	699	701	700	701	699	699	698	696	699	832	899	899	898	976	982	980	982	981	980	980	981	975	977	977	981	983	982	983	984	981	980	980	972	980	980	983	975	983	978	979	978	979	981	977		
JMJG	U001	667	662	664	661	666	667	665	673	664	668	668	668	668	666	667	673	664	670	667	665	669	671	662	678	667	671	667	668	668	666	667	668	668	668	672	664	674	670	672	672	668	667	666	669	667	667	662	662		
JMJG	U002	674	673	678	672	673	683	675	673	676	672	673	674	671	675	673	679	673	671	677	677	675	675	673	673	673	674	673	673	678	676	676	676	676	678	668	680	671	677	672	678	672	676	679	672	669	680	667			
JMJG	U003	660	682	681	666	668	671	672	672	672	675	668	671	675	667	672	667	670	666	669	691	672	688	680	672	669	668	668	668	666	671	667	667	667	668	665	670	676	671	682	673	666	671	669	671	677	674	672			
JMJG	U004	978	981	979	983	979	985	952	949	944	900	904	903	899	900	900	898	933	977	982	980	983	983	979	983	982	980	985	985	981	979	982	982	982	983	982	977	977	978	979	978	980	977	982	977	983	977	983	975	976	
JMJG	U005	975	971	972	976	974	973	947	951	948	895	899	900	898	904	904	933	972	973	974	977	974	976	976	977	974	976	976	977	977	977	972	972	970	977	978	976	974	977	973	977	973	977	981	978	975	975				
PKLG	U003	278	182	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	U004	273	270	271	271	270	215	149	155	150	152	156	155	154	155	154	160	153	220	247	274	275	275	275	272	280	276	273	275	273	275	272	273	273	271	270	270	267	270	271	268	269	268	268	273	273	272	271			
PKLG	U005	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	269	267	268	269	269	268	269	269	268	269	269	268	264	267	270	269	268	269	269	269	269	269	269	269	268	269	269	274	269	269		
PKLG	U006	407	406	407	406	406	404	404	405	405	406	405	406	406	406	406	406	405	406	405	406	405	405	407	333	275	269	269	346	396	405	406	405	406	406	404	404	405	406	406	405	406	405	405	405	405	406	405	406	406	
TBIN	U001	676	450	229	207	212	210	208	209	208	210	210	212	210	210	209	209	211	283	354	352	538	700	699	703	700	698	700	698	698	702	694	697	700	702	702	697	701	700	698	699	699	698	697	700	696	700	700	700		
TBIN	U002	696	696	696	700	700	698	700	699	697	700	699	700	705	696	699	699	703	699	698	699	698	698	698	700	696	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	699	
TBIN	U003	692	694	696	602	432	319	209	212	210	211	209	209	210	210	210	210	210	283	349	349	492	544	700	694	694	698	692	693	693	694	695	694	694	695	696	694	691	695	694	693	694	694	693	694	693	694	693	694	693	694
TBIN	U004	981	979	981	983	985	985	953	952	954	904	903	904	904	902	903	901	902	904	900	906	978	984	982	983	982	985	983	984	982	983	984	983	983	984	981	985	980	981	981	984	984	983	983	983	982	984	984	984	984	
Total ST-Coal		1157911145	1070710482	1031610170	9769	9679	9455	9175	9169	9075	9076	9097	9170	9183	9275	10071	10553	10611	10993	11236	11375	11367	11359	11299	11213	11218	11223	11307	11369	11348	11364	11358	11366	11347	11336	11359	11359	11373	11347	11351	11340	11347	11339	11370	11364	11337					
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	359	360	360	360	359	359	360	360	361	355	309	321	339	344	222	229	228	287	221	361	223	301	359	327	308	311	221	309	252	352	349	353	353	308	280	331	359	267	359	360	360	360	359	360	358	361	360			
EMPP	BLK2	680	685	709	709	686	686	694	698	697	711	685	710	691	702	686	710	710	682	643	726	709	714	724	709	689	686	685	689	710	704	723	702	710	705	698	701	675	718	709	716	684	706	687	691	686	709	711	701		
EMPP	BLK3	681	685	710	709	686	686	694	698	695	710	687	709	690	703	690	710	711	710	708	727	709	714	724	710	689	686	689	693	713	708	727	706	713	708	702	704	662	718	709	717	684	707	686	690	687	709	711	702		
GLGR	GT01	92	94	95	95	94	94	94	95	94	93	93	93	93	95	95	96	95	93	95	95	95	96	93	94	93	93	93	94	95	95	107	106	107	108	108	109	95	93	104	103	103	103	103	103	104	67	66	66		
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	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	42	42	42	42	42	42	42	41	42	42	42	42	42	42	42	42	42	42	43	43	42	42	42	42	42	42	42	42	48	48	48	48	48	47	47	43	51	95	94	94	94	94	94	94	94	94	79	71	71	
NPRI	BLK1	514	515	521	521	518	518	521	522	520	526	518	523	518	523	518	332	506	524	516	514	514	517	512	515	511	505	500	502	508	504	509	509	507	506	510	508	499	511	509	514	506	512	512	514	512	514	512	514	517	515
PCGP	PGRG	585	586	603	600	589	592	599	603	596	605	592	603	593	603	604	600	602	622	600	612	620	602	591	591	585	588	616	625	647	611	619	622	602	597	567	621	600	616	581	603	588	591	593	606	610	600				
PLPS	GT11	126	129	129	128	129	129	128	128	129	129	129	129	128	129	128	129	128	129	128	129	128	128	129	127	127	112	120	143	142	142	142	139	142	141	111	120	116	137	133	135	135	134	134	116	115	115				
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	ST18	106	59	5																																															

Daily MW Generation on Friday

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	HY03	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
HTRG	HY01	-1	-1	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	125	125	125	125
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	69	69	68	69
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	22	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	99	98	98	98	98	-1	-1	-1	-1
KNYR	HY02	58	57	64	61	57	57	57	61	65	59	59	58	60	60	59	65	83	87	104	65	101	102	78	59
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	10	10	10	10
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	9	9	9	9	9
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	HY01	-1	-1	-1	-1	23	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	-1	-1	20	-1	-1	-1	-1	18	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY03	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY03	30	30	32	32	31	31	32	32	32	32	31	32	32	32	32	34	32	32	33	32	31	31	29	31
UJLI	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
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		242	239	247	203	222	198	199	199	222	207	200	201	200	223	222	201	211	343	375	378	333	373	376	367
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	LSS2	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	LSS2	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
GBLS	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	LSS2	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	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JLSL	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	LSS3	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	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNLS	LSS3	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	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

