

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,325 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,325 MW</b>
<b>Total IPP</b>	<b>16,132 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>21,150 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	20,724	5.22 %
Gas	50,381	12.70 %
<b>Total TNB</b>	<b>71,105</b>	<b>17.92 %</b>
ST-Coal	230,204	58.01 %
ST-Gas	4,461	1.12 %
LSS	5,515	1.39 %
Distillate	126	0.03 %
Gas	85,557	21.56 %
<b>Total IPP</b>	<b>325,863</b>	<b>82.12 %</b>
Co-Gen	-801	-0.20 %
<b>Total Co-Gen</b>	<b>-801</b>	<b>-0.20 %</b>
<b>Total Generation</b>	<b>396,167</b>	<b>99.84 %</b>
PLTG	44	0.01 %
HVDC	-692	-0.17 %
<b>Interconnection</b>	<b>-648</b>	<b>-0.16 %</b>
<b>Net Energy</b>	<b>396,815</b>	<b>100.00 %</b>

### 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	19,895 MW
TNB Generation	4,046 MW
IPP Generation	14,748 MW
Spinning Reserve	1,147 MW
Maximum Demand	18,767 MW
Net Energy	396,815 MWH
Load Factor	88.10 %

### Fuel Cost

Total Cost:	106,745,971.40 RM
Cost per Unit	26.87 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	420
Hydro	469
Syncon	428
Thermal	173
<b>Total</b>	<b>1,490</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	190
<b>Total TNB</b>	<b>240</b>
CBPS	50
EMPP	193
NPRI	2
PCGP	88
PLPS	81
SGRI	128
SKSP	51
SPGP	104
PKLG	46
<b>Total IPP</b>	<b>744</b>
<b>Total Gas</b>	<b>984</b>
<b>Total Gas Required</b>	<b>986</b>

### Alternate Fuel Usage

Station	(mmscfd)
SGRI	2
<b>Total</b>	<b>2</b>

### 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	16557	15769	15089	14518	14081	13854	13987	13835	14519	16097	16837	17360	17343	17209	18002	18470	18677	18355	17134	17023	18174	18158	17782	17215

### Daily MW Generation on Wednesday

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	703	707	705	705	706	705	705	705	706	704	706	706	704	708	708	705	708	705	707	705	704	704	706	701	703	705	706	707	706	708	707	703	707	705	705	706	705	705	703	706	705	703	706	705	703	706	705	703	705	700	705
JMAH	U002	703	711	705	701	705	708	708	700	706	704	704	708	705	705	678	707	706	706	704	706	702	705	701	701	705	704	709	707	707	706	709	706	710	704	699	703	706	704	700	700	703	706	710	701	703	703	700	705			
JMHE	U001	975	975	980	975	976	899	894	901	899	900	899	899	903	899	895	902	952	975	971	973	974	974	973	976	969	975	973	975	977	975	976	976	977	973	963	966	967	976	976	972	973	971	974	969	972	973	969	973			
JMHE	U002	971	974	976	975	974	903	900	901	899	901	897	900	902	902	895	901	914	973	971	975	977	975	977	979	976	977	974	983	980	977	976	980	979	976	975	978	971	981	976	977	977	970	975	973	975	978	973	975	978	973	977
JMIG	U001	671	668	667	662	667	672	668	667	668	667	667	671	668	673	666	672	668	676	667	664	666	672	668	663	668	667	677	667	671	673	670	668	666	667	668	669	665	666	671	664	672	666	666	667	662	673	666	666			
JMIG	U002	673	678	673	667	677	680	669	679	672	675	672	675	675	676	677	684	672	682	672	673	673	676	674	674	678	676	677	675	673	677	675	672	675	677	675	674	677	674	672	675	678	674	672	675	673	675	674	673	675	674	673
JMIG	U005	976	975	973	972	974	900	898	900	897	896	896	899	899	899	901	901	918	980	975	972	975	971	972	973	974	975	976	975	977	974	973	974	973	975	972	974	979	975	972	970	968	965	966	967	974	971	973	968	979		
PKLG	U003	278	276	278	278	277	277	277	279	276	276	277	278	278	278	277	279	278	277	278	278	279	278	276	277	277	279	277	277	278	278	278	278	276	278	280	278	277	283	278	280	279	281	278	280	279	281					
PKLG	U004	272	274	272	271	274	274	269	276	275	274	272	273	274	272	274	274	275	276	275	275	275	273	284	276	274	275	274	274	276	276	275	270	275	271	268	271	271	271	270	270	270	276	274	274	274	275					
PKLG	U005	460	466	464	468	470	466	466	464	468	455	466	464	466	470	466	466	460	466	469	466	468	467	466	471	466	459	463	469	467	466	469	468	464	466	470	459	474	466	466	475	471	458	458	460	462						
PKLG	U006	450	447	448	449	450	447	445	447	449	449	449	450	450	447	447	449	447	447	446	449	446	447	449	447	448	449	449	447	449	447	451	449	449	447	449	449	448	447	452	449	445	449	448	452	451	449	449				
TBIN	U001	703	699	701	699	701	702	698	700	702	698	678	601	600	600	598	502	530	692	697	699	697	698	699	699	705	697	697	698	701	700	698	699	698	698	696	696	699	696	698	701	697	699	696	697	701	695					
TBIN	U002	213	210	213	210	211	211	211	212	211	213	209	212	207	215	207	213	208	212	209	213	209	213	208	213	209	214	208	214	211	211	212	208	212	210	211	209	215	207	215	206	215	206	213	213	207	214					
TBIN	U003	648	650	649	649	648	649	648	648	648	617	598	600	595	595	490	517	648	649	660	659	659	660	659	668	671	669	670	671	673	670	669	669	669	669	670	669	668	669	669	668	670	670	670	669	670	670	669	670			
TBIN	U004	983	983	982	984	982	922	905	903	903	902	902	904	905	903	904	919	985	982	983	983	984	984	985	984	985	984	985	983	981	981	982	982	984	983	985	984	984	984	982	984	982	984	982	984	983	984	983	984			
Total ST-Coal		9679	9693	9686	9665	9692	9415	9361	9380	9382	9362	9310	9235	9235	9248	9186	9047	9174	9703	9672	9675	9690	9696	9686	9706	9688	9708	9716	9721	9707	9728	9717	9716	9710	9705	9689	9693	9690	9708	9691	9691	9706	9675	9703	9699	9685	9707	9675	9709			
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	0	
PKLG	U001	145	145	144	144	144	144	145	144	145	145	145	149	197	213	216	245	260	274	234	170	147	147	147	147	147	147	147	147	147	146	146	147	147	147	147	147	144	147	146	147	147	147	147	146	147	147	147	147	147		
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	13	14	25	38	56	64	80	80	80	80	80	80	80	80	80	80	75	75	75	67	47	
Total ST-Gas		145	145	144	144	144	144	145	144	145	145	145	149	197	213	216	245	260	274	234	170	147	147	147	147	147	147	147	147	160	161	172	184	202	211	227	227	227	227	227	227	227	227	222	221	222	214	194				
CBPS	BLK2	360	360	360	359	336	227	222	222	221	222	221	222	222	221	223	222	344	360	360	361	359	359	360	356	357	355	354	357	358	359	361	360	359	361	360	360	360	360	360	360	360	360	361	360	361	360	360	360			
EMPP	BLK2	708	729	719	724	684	722	627	580	406	404	384	405	413	458	387	427	574	711	709	709	711	710	700	694	696	681	712	713	710	708	710	711	703	681	682	674	683	708	709	698	689	696	692	710	697	708	707				
EMPP	BLK3	709	729	718	723	684	723	625	577	408	404	383	405	413	458	388	429	574	711	708	710	713	711	710	699	698	696	681	712	713	710	707	710	711	704	679	684	681	677	709	709	698	690	696	697	710	697	708	707			
GLGR	GT01	66	66	68	65	66	67	65	66	65	66	65	67	66	67	64	65	68	67	67	66	68	90	103	103	65	65	65	66	85	82	75	95	104	102	102	103	68	66	66	84	107	105	105	107	106	106	77	67			
GLGR	GT02	65	66	66	65	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	90	103	103	65	65	66	65	84	81	77	95	103	103	103	103	66	66	66	85	106	106	107	106	107	107	76	66			
GLGR	ST1C	70	70	71	71	70	71	70	71	71	70	71	71	70	70	71	71	70	71	71	71	82	93	94	74	71	71	71	83	83	74	86	94	94	94	94	94	78	71	71	77	97	96	97	97	96	83	71				
NPRI	BLK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14	15	14	14	18	187	221			
NPRI	BLK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
PCCP	PGRG	599	638	617	626	584	625	592	583	584	553	592	593	608	559	605	608	605	603	600	606	607	602	598	589	593	581	610	604	603	604	604	603	595	573	580	577	577	603	607	596	584	596	590	604	593	599	603				
PLPS	GT11	115	118	61	62	61	63	61	62	62	62	62	62	62	62	63	63	63	62	62	114	135	135	137	136	112	107	137	136	141	141	140	141	140	136	137	111	111	115	141	140	137	139	140	116	114	105	127				
PLPS	GT12	120	126	114	65	64	64	64	63	64	64	65	64	64	64	64	63	65	65	64	120	143	144	143	142	119	114	144	144	144	143	144	143	145	139	140	115	114	119	145	144	140	142									

### Daily MW Generation on Wednesday

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	
TJGS	GT2B	128	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
TJGS	ST2C	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191	191
Total CCGT-Gas		5744	5630	5424	4828	4871	4597	4497	4161	4151	4026	4166	4186	4297	4047	4221	4536	4919	5361	5470	5703	5855	5949	6044	5875	5830
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
BSIA	HY01	22	22	12	12	11	12	11	11	11	11	11	11	11	11	11	22	22	22	22	22	22	22	22	22	22
BSIA	HY02	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	19	19	19	19	19	19	19	19	19
BSIA	HY03	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	23	23	22	22	22	22	22	22	22
CEND	HY01	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	7	8	8	8	8	8	8	8	8	8
CEND	HY02	5	6	6	5	5	5	5	5	5	5	5	5	5	5	5	7	8	8	8	8	8	8	8	8	8
CEND	HY03	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	7	8	8	8	8	8	8	8	8	8
CEND	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	7
HTRG	HY01	69	-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	HY02	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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	7
KNRG	HY01	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	36	36	35	35	35	35	35	35	35
KNRG	HY02	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	37	37	37	37	37	37	37	37	37
KNRG	HY03	37	39	39	20	20	20	20	20	20	20	20	20	22	22	39	38	37	38	37	37	37	37	37	37	37
KNYR	HY01	98	98	98	98	98	98	97	98	97	94	94	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY02	98	99	99	99	92	99	94	90	93	90	84	84	96	98	85	98	99	99	99	99	99	99	99	99	99
KNYR	HY03	97	98	96	96	93	95	92	91	91	91	91	94	95	94	96	96	94	94	93	92	91	91	92	92	93
LPIA	HY01	12	12	12	12	12	9	8	8	8	8	10	11	11	14	14	15	14	14	14	10	10	10	10	10	10
LPIA	HY02	12	12	12	12	12	9	9	9	9	10	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10
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	3
PGAU	HY01	22	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	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
PGAU	HY04	23	26	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	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	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	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	0
SYPS	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	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	0
TMGR	HY01	84	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	84	84	85	84	84	84	84	84	84
TMGR	HY02	88	88	37	37	0	0	0	0	0	0	0	0	0	0	0	87	87	87	87	87	86	86	84	87	
TMGR	HY04	84	85	32	33	31	33	32	31	31	31	26	32	32	32	32	82	83	84	84	84	84	84	84	84	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	92	89	87	-1	-1	-1	92	92	90	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	-1	-1	-1	-1	95	95	94	94	
UPIA	HY01	0	0	0	0	0	4	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	6	6	6	6	4	3	5	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		990	618	473	453	422	413	400	414	399	393	380	387	408	434	402	416	438	420	442	668	732	897	892	880	879
SGRI	GT11	0	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 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	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	11	14	17	20	21	23	
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	12	17	20	22	24	17	
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	8	11	18	24	27	30	

