

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,300 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,300 MW</b>
<b>Total IPP</b>	<b>18,791 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>25,093 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	11,731	3.38 %
Gas	36,165	10.41 %
<b>Total TNB</b>	<b>47,896</b>	<b>13.79 %</b>
ST-Coal	206,578	59.49 %
LSS	6,531	1.88 %
Gas	85,829	24.72 %
<b>Total IPP</b>	<b>298,938</b>	<b>86.09 %</b>
Co-Gen	1,012	0.29 %
<b>Total Co-Gen</b>	<b>1,012</b>	<b>0.29 %</b>
<b>Total Generation</b>	<b>347,846</b>	<b>100.17 %</b>
PLTG	-277	-0.08 %
HVDC	864	0.25 %
<b>Interconnection</b>	<b>587</b>	<b>0.17 %</b>
<b>Net Energy</b>	<b>347,259</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/13/2023	407,278 MWH

### Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	17,312 MW
TNB Generation	2,997 MW
IPP Generation	12,979 MW
Spinning Reserve	1,294 MW
Maximum Demand	16,010 MW
Net Energy	347,259 MWH
Load Factor	90.38 %

### Fuel Cost

Total Cost:	83,515,397.13 RM
Cost per Unit	24.01 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	945
Hydro	287
Syncon	928
Thermal	180
<b>Total</b>	<b>2,340</b>

### Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	26

### 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	15117	14512	13971	13517	13092	12803	12712	12617	12320	13398	14227	14767	14741	14596	15176	15516	15572	15305	14974	15146	16010	15963	15550	15270

### Gas Usage

Station	(mmscfd)
GLGR	29
<b>Total TNB</b>	<b>29</b>
CBPS	42
EMPP	262
NPRI	132
PCGP	86
PLPS	40
SPGP	202
<b>Total IPP</b>	<b>764</b>
<b>Total Gas</b>	<b>793</b>
<b>Total Gas Required</b>	<b>793</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</b>



### Daily MW Generation on Saturday

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		
LPIA	HY02	18	18	18	18	19	19	19	19	19	17	17	17	16	15	15	15	15	15	15	16	16	16	15	15	15	14
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	-1	-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	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	
PGAU	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	82	83	83	46	
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	83	83	82	55	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	50	50	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	30	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	30	
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	17	
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	17	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	82	82	82	81	81	
TMGR	HY02	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	89	89	89	88	87	
TMGR	HY03	40	39	50	83	83	41	41	41	41	41	41	41	84	76	68	84	84	84	84	84	79	62	81	81	84	
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	-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	-1	
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	4	4	5	4	4	4	4	4	4	4	4	4	5	
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	
Total Hydro		344	308	330	393	368	242	260	241	241	262	242	241	243	244	278	274	239	239	321	322	355	383	404	382	382	
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	1	2	4	7	13	15	18	20	21	21	23	24	23	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	5	10	15	21	22	19	23	26	29	27	23	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	6	12	16	18	17	27	28	29	32	32	30		
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	6	11	16	21	25	29	31	35	22	25	14		
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	17	14	20	32	20	23	29	21	22		
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	10	13	19	10	17	14	27	23	30		
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	9	14	21	27	31	33	39	37	40	45		
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	12	15	18	27	29	30	30	28	20		
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	11	16	22	24	32	36	32	23	19	23		
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	9	16	35	48	55	39	68	82	78	87	91	91		
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	13	20	25	32	36	38	40	40	43		
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	10	14	17	21	25	28	29	31	29		
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	9	20	38	59	66	63	76	69	63	72	74		
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	11	19	22	15	24	21	22	25	24		
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	15	20	27	27	30	23	28	30	26		
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	19	23	29	24	29	41	44	44	46		
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	8	29	53	66	74	69	54	84	91	92	93	94		
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	18	28	49	59	74	85	95	100	105	111	116	111		
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	7	11	20	27	32	40	41	43	41	47	48		
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	5	7	17	22	32	34	32	30	32	35		
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	9	11	11	8	7	7	9	18	14		
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	12	19	26	30	30	30	30	30	30	30	30	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	31	142	258	420	562	660	687	812	845	852	899	922	921	904	
ESTL	ESTL	20	22	22	20	23	24	24	22	12	11	12	21	21	20	26	24	20	22	19	20	20	22	21	18	18	
KHTC	BLK1	0	0	0	0	0	0	0	2	1	3	5	5	3	2	5	1	0	0	0	0	0	0	0	0	0	
PCUF	CUFG	4	4	3	2	3	3	2	4	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PCUF	CUFK	18	17	19	18	17	17	17	19	17	18	20	20	21	21	21	18	19	17	18	18	18	18	17	18	17	

### Daily MW Generation on Saturday

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 Co-Gen		42	43	44	40	43	44	43	45	32	35	37	47	50	49	52	48	47	43	40	41	41	40	46	40	42	41	42	38	39	38	40	38	40	39	43	40	41	45	39	42	42	43	48	46	44	35	46	42		
Total Gen		15122	14802	14517	14224	13958	13734	13506	13377	13115	12893	12822	12687	12711	12734	12631	12292	12350	13054	13452	13926	14247	14557	14778	15001	14762	14718	14616	14965	15201	15430	15559	15498	15611	15573	15379	15140	15013	14920	15151	15846	16018	16032	16008	15774	15589	15524	15303	15236		
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	
TIE-HVDC		36	37	37	36	36	33	34	34	33	33	31	32	32	34	34	34	33	35	32	32	35	32	34	34	34	39	40	40	40	39	40	40	39	39	39	39	39	43	40	40	38	37	37	37	37	36	36	34	34	
TIE-PLTG		-32	-17	-32	-33	-49	-26	-44	-27	-10	-15	-15	-12	-32	-25	-20	-15	-4	31	20	4	-12	-24	-21	14	-13	-12	-20	-24	-15	0	4	-3	1	14	35	4	-4	-25	-34	-41	-28	-3	7	11	3	-5	-1	-7		
Interconnection		5	20	5	3	-13	7	-11	7	23	18	19	19	-1	7	14	19	30	64	54	36	20	11	11	48	21	27	20	16	25	39	43	37	39	53	74	44	39	15	5	-3	8	34	45	48	39	31	33	26		
System Total		15117	14782	14512	14221	13971	13727	13517	13370	13092	12875	12803	12668	12712	12727	12617	12273	12320	12990	13398	13890	14227	14546	14767	14953	14741	14691	14596	14949	15176	15391	15516	15461	15572	15520	15305	15096	14974	14905	15146	15849	16010	15998	15963	15726	15550	15493	15270	15210		
SRev ST-Coal		150	156	173	534	605	603	609	531	538	530	528	534	522	531	520	545	541	364	183	147	141	145	148	136	146	152	160	158	159	171	192	202	224	171	171	189	128	125	159	116	146	121	132	157	110	169				
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	
SRev CCGT-Gas		814	1103	1405	1367	1370	1092	1221	1329	1488	1628	1677	1834	1814	1786	1931	2285	2315	1702	1543	1630	1636	1416	1353	1131	1376	1479	1558	1200	942	621	482	436	239	196	250	379	403	390	193	191	300	284	353	482	447	357	344	307		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	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	0	0	0
Syncon		1117	1205	1205	1205	1205	1054	1205	1054	1205	1205	1205	1117	1117	1205	1205	1205	1054	1205	1205	1054	1205	1205	1054	1205	1205	1205	1205	1205	1054	1205	1205	1205	1054	1205	1205	1054	1205	1205	1104	489	151	151	151	151	338	651	878	966		
Hydro		196	144	122	59	84	162	295	163	163	293	162	163	161	160	214	218	165	165	83	233	149	121	251	122	122	121	158	156	154	144	146	268	119	81	92	256	90	95	84	518	684	680	590	718	738	413	313	337		
S.Reserve Total		2277	2608	2905	3165	3264	3062	3175	3300	3465	3506	3582	3732	3708	3685	3784	4151	4205	3617	3372	3281	3173	2889	2799	2603	2851	2941	3067	2713	2461	2128	1992	1929	1755	1684	1771	1860	1869	1879	1509	1323	1294	1231	1240	1472	1655	1578	1645	1779		