

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,072 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,072 MW</b>
<b>Total IPP</b>	<b>17,940 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>23,594 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	11,463	3.11 %
Gas	44,311	12.02 %
<b>Total TNB</b>	<b>55,774</b>	<b>15.14 %</b>
ST-Coal	217,026	58.89 %
LSS	4,152	1.13 %
Gas	91,302	24.78 %
<b>Total IPP</b>	<b>312,480</b>	<b>84.80 %</b>
<b>Total Co-Gen</b>	<b>91,302</b>	<b>24.78 %</b>
<b>Total Generation</b>	<b>368,254</b>	<b>99.93 %</b>
PLTG	399	0.11 %
HVDC	-642	-0.17 %
<b>Interconnection</b>	<b>-243</b>	<b>-0.07 %</b>
<b>Net Energy</b>	<b>368,497</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/12/2023	401,811 MWH

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

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	18,405 MW
TNB Generation	2,636 MW
IPP Generation	14,335 MW
Spinning Reserve	1,411 MW
Maximum Demand	17,007 MW
Net Energy	368,497 MWH
Load Factor	90.28 %

### Fuel Cost

Total Cost:	106,583,357.60 RM
Cost per Unit	28.88 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	464
Hydro	394
Syncon	638
Thermal	161
<b>Total</b>	<b>1,657</b>

### Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	50
<b>Total TNB</b>	<b>80</b>
CBPS	43
EMPP	309
NPRI	137
PCGP	88
SPGP	209
<b>Total IPP</b>	<b>785</b>
<b>Total Gas</b>	<b>865</b>
<b>Total Gas Required</b>	<b>865</b>

### Alternate Fuel Usage

Station	(mmscfd)
<b>Total</b>	<b>0</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	15051	14306	13507	13114	12761	12844	13052	13003	13815	15530	16221	16641	16526	16243	16732	16849	16856	16521	16088	16219	16745	16957	16671	16264



### Daily MW Generation on Monday

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	
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	18	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	20	21	22	21	-1	-1	-1	-1	-1	
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	19	6	-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	
SYPS	HY01	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SYPS	HY04	25	25	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	HY03	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	42	68	60	41	40	47	40	38	36	40	42	43	41	42	38	40	86	86	35	42	54	58	61	66	
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	-1	-1	-1	92	-1	91	90	-1	-1	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	98	94	94	-1	-1	-1	-1	92	94		
UPIA	HY01	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
UPIA	HY02	4	4	4	4	5	5	5	5	5	5	4	4	4	4	4	4	4	5	5	5	5	5	5	5	
Total Hydro		460	468	382	349	347	363	308	306	262	265	290	305	282	303	276	278	326	331	278	287	742	581	626	621	
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	
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	5	11	21	17	13	10	9	
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	9	8	15	17	12	13	22	25	
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	7	8	5	6	4	10	23	25	17	
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	9	13	17	18	11	13	12	15	
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	12	24	37	39	21	17	18	
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	4	2	3	3	6	10	9	8	10	15
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	4	17	21	14	11	9	14	33	28	
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	8	12	5	10	7	27	26	23	20	
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	5	12	12	12	10	8	14	16	13	
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	20	28	8	12	10	25	49	60	51	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	21	10	18	6	10	20	12	22	
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	8	3	5	5	4	8	20	24	14	
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	17	12	23	40	53	66	47	55	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	6	9	14	18	22	16	20	30	
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	7	8	10	11	21	30	22	17	26	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	12	9	9	5	9	18	25	14	14	31	
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	40	14	25	9	11	13	25	25	24	54	
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	23	33	33	54	49	33	48	58	100	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	10	16	27	33	37	35	38	28	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	10	10	18	19	29	38	48	30	
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	12	9	10	12	10	16	11	8	
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	12	12	11	9	14	17	15	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	10	85	102	180	246	236	340	383	438	549	602	
ESTL	ESTL	11	12	22	19	18	17	17	19	14	17	18	15	15	17	16	14	12	10	9	12	15	18	16	15	
PCUF	CUFK	4	2	3	3	3	3	3	3	4	2	2	3	3	4	4	4	4	4	2	3	5	5	5	5	
PCUF	CUFK	4	2	2	2	2	2	3	2	2	4	2	3	3	3	2	3	3	4	3	1	2	1	2	2	
PFTZ	PFTZ	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Co-Gen		24	21	32	29	28	27	28	29	25	28	27	26	26	29	27	30	28	28	28	26	25	22	17	22	
Total Gen		15037	14633	14268	13924	13501	13310	13102	12921	12803	12793	12866	12919	13067	13318	13039	13234	13877	14923	15615	16018	16204	16532	16629		
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	
TIE-HVDC		0	0	0	0	0	0	31	29	31	29	29	30	29	30	31	31	29	-50	-50	-48	-51	-49	-50		

### Daily MW Generation on Monday

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																										
TIE-PLTG		-14	-36	-38	-14	-6	-28	-12	-4	11	-6	-10	-4	-14	-4	6	-6	31	45	55	53	33	35	39	26	25	28	11	41	12	3	3	20	23	27	32	28	53	66	103	73	42	36	27	-4	8	-4	2	7		
Interconnection		-14	-36	-38	-14	-6	-28	-12	-4	42	23	22	25	15	26	36	25	62	76	85	3	-17	-14	-12	-23	-25	-21	-40	-56	-85	-95	-97	-77	-74	-69	-65	-69	-46	-33	5	25	-8	-13	-22	26	39	27	31	36		
<b>System Total</b>		<b>15051</b>	<b>14669</b>	<b>14306</b>	<b>13938</b>	<b>13507</b>	<b>13338</b>	<b>13114</b>	<b>12925</b>	<b>12761</b>	<b>12770</b>	<b>12844</b>	<b>12894</b>	<b>13052</b>	<b>13292</b>	<b>13003</b>	<b>13209</b>	<b>13815</b>	<b>14847</b>	<b>15530</b>	<b>16015</b>	<b>16221</b>	<b>16546</b>	<b>16641</b>	<b>16625</b>	<b>16526</b>	<b>16310</b>	<b>16243</b>	<b>16515</b>	<b>16732</b>	<b>16958</b>	<b>16849</b>	<b>16827</b>	<b>16856</b>	<b>16947</b>	<b>16521</b>	<b>16247</b>	<b>16088</b>	<b>16068</b>	<b>16219</b>	<b>16453</b>	<b>16745</b>	<b>17007</b>	<b>16957</b>	<b>16919</b>	<b>16671</b>	<b>16509</b>	<b>16264</b>	<b>15940</b>		
SRev ST-Coal		243	476	578	590	717	740	737	801	762	797	758	768	783	825	876	821	837	798	402	309	270	138	122	188	117	126	197	197	206	194	135	108	-2	137	106	49	265	226	197	155	143	117	123	124	133	171	333	250		
SRev CCGT-Gas		747	636	710	844	905	831	944	1024	1113	886	824	910	832	804	1037	919	543	367	756	693	385	200	202	198	235	318	582	808	585	474	625	480	479	567	797	1024	868	660	565	570	404	354	394	454	552	521	455	638		
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 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	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
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		777	928	928	928	928	928	928	1029	1029	1029	878	1029	878	1029	1029	1029	1029	1029	1029	126	464	464	651	741	928	741	554	741	741	741	741	741	590	777	928	928	928	590	741	829	428	428	277	590	777	777	777			
Hydro		412	166	177	210	212	196	251	253	196	193	168	304	176	306	182	180	132	127	180	171	706	529	484	402	332	235	296	310	338	297	320	336	339	496	400	255	215	226	506	279	209	512	518	600	331	211	141	186		
<b>S.Reserve Total</b>		<b>2179</b>	<b>2206</b>	<b>2393</b>	<b>2572</b>	<b>2762</b>	<b>2695</b>	<b>2860</b>	<b>3006</b>	<b>3100</b>	<b>2905</b>	<b>2779</b>	<b>2860</b>	<b>2820</b>	<b>2813</b>	<b>3124</b>	<b>2949</b>	<b>2541</b>	<b>2321</b>	<b>2367</b>	<b>2202</b>	<b>1487</b>	<b>1331</b>	<b>1272</b>	<b>1439</b>	<b>1425</b>	<b>1607</b>	<b>1816</b>	<b>1869</b>	<b>1870</b>	<b>1706</b>	<b>1821</b>	<b>1665</b>	<b>1557</b>	<b>1790</b>	<b>2080</b>	<b>2256</b>	<b>2276</b>	<b>2040</b>	<b>1858</b>	<b>1745</b>	<b>1585</b>	<b>1411</b>	<b>1463</b>	<b>1455</b>	<b>1606</b>	<b>1680</b>	<b>1706</b>	<b>1851</b>		