

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,152 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,152 MW</b>
<b>Total IPP</b>	<b>17,962 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>23,680 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	12,526	3.47 %
Gas	46,457	12.88 %
<b>Total TNB</b>	<b>58,983</b>	<b>16.36 %</b>
ST-Coal	221,094	61.31 %
LSS	6,424	1.78 %
Gas	72,897	20.21 %
<b>Total IPP</b>	<b>300,415</b>	<b>83.30 %</b>
Co-Gen	347	0.10 %
<b>Total Co-Gen</b>	<b>347</b>	<b>0.10 %</b>
<b>Total Generation</b>	<b>359,745</b>	<b>99.76 %</b>
PLTG	-175	-0.05 %
HVDC	-706	-0.20 %
<b>Interconnection</b>	<b>-881</b>	<b>-0.24 %</b>
<b>Net Energy</b>	<b>360,626</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:	20:30:00 Hour
Total Set On Bus	18,132 MW
TNB Generation	3,226 MW
IPP Generation	13,508 MW
Spinning Reserve	1,382 MW
Maximum Demand	16,786 MW
Net Energy	360,626 MWH
Load Factor	89.52 %

### Fuel Cost

Total Cost:	76,806,362.79 RM
Cost per Unit	21.31 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	1,088
Hydro	265
Syncon	864
Thermal	281
<b>Total</b>	<b>2,498</b>

### Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

### Gas Usage

Station	(mmscfd)
GLGR	1
TJGS	90
<b>Total TNB</b>	<b>91</b>
CBPS	2
EMPP	261
NPRI	120
PCGP	87
SPGP	209
<b>Total IPP</b>	<b>678</b>
<b>Total Gas</b>	<b>769</b>
<b>Total Gas Required</b>	<b>769</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	15961	15278	14674	14088	13802	13563	13501	13385	12968	14008	14813	15375	15296	14881	15214	15471	15736	15586	15367	15588	16700	16684	16252	15982



### 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
KNRG	HY03	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
KNYR	HY01	97	97	97	60	59	60	59	60	60	59	59	60	59	60	59	60	59	60	59	60	59	60	59	60
KNYR	HY02	98	98	98	60	61	60	60	60	60	60	60	99	99	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY04	98	98	98	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
LPIA	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
LPIA	HY02	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1
PGAU	HY02	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	49
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	34	34
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33	33	33
TMGR	HY03	0	0	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	40	39	40	41
TMGR	HY04	47	44	44	41	42	41	42	41	43	42	44	46	41	42	42	41	41	43	41	41	43	42	42	49
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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7
Total Hydro		486	478	507	401	352	352	351	351	354	353	354	376	350	354	351	350	427	460	437	437	437	492	499	498
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
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
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	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
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
MNLS	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
PKLS	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
SNLS	LSS4	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	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
TBLS	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
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
ESTL	ESTL	0	0	0	3	9	8	9	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
KHTC	BLK1	-26	-24	-22	-20	-21	-25	-24	-22	-20	-19	-19	-17	-20	-19	-17	-22	-22	-26	-30	-27	-27	-32	-24	-31

### 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																										
PCUF	CUFG	24	22	22	22	23	22	22	22	22	22	22	22	22	20	21	19	18	18	18	19	20	19	20	18	19	18	18	18	19	21	20	20	21	19	20	19	21	20												
PCUF	CUFK	11	10	10	11	11	10	9	10	10	10	10	10	10	10	9	7	9	7	6	6	5	5	2	2	4	2	4	2	4	2	3	5	4	5	6	6	6	4	5	8	6	4	6	5	6	7				
PFTZ	PFTZ	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
Total Co-Gen		13	12	14	20	26	19	20	16	17	17	21	17	18	15	17	19	14	18	13	13	12	8	-2	21	1	0	3	11	11	11	5	11	13	7	8	16	12	14	16	18	14	16	24	21	22	23	22	18		
Total Gen		15915	15589	15201	14878	14611	14406	14047	13923	13771	13598	13538	13494	13456	13455	13360	12908	12915	13582	13980	14416	14803	15164	15353	15550	15252	15082	14884	15092	15190	15461	15398	15606	15681	15680	15536	15370	15320	15278	15564	16321	16669	16750	16664	16469	16206	16153	15943	15734		
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		-30	-30	-30	-30	-29	-29	-29	-29	-28	-28	-31	-30	-30	-28	-28	-31	-31	-30	-30	-31	-31	-29	-29	-31	-28	-29	-29	-29	-28	-31	-31	-29	-29	-30	-31	-31	-28	-29	-29	-29	-30	-28	-28	-30	-29					
TIE-PLTG		-16	-27	-46	-37	-34	-8	-12	-7	-3	-25	6	-11	-14	32	3	11	-22	15	2	12	20	9	8	25	-15	25	31	21	5	6	-44	-1	-25	-16	-21	-33	-17	-24	6	-1	-3	-7	8	-21	-19	-26	-10	-51		
Interconnection		-46	-56	-77	-66	-63	-37	-41	-36	-31	-53	-25	-41	-45	4	-25	-20	-53	-15	-28	-19	-10	-22	-22	-4	-44	-6	3	-8	-24	-24	-73	-29	-55	-47	-50	-62	-47	-55	-24	-28	-31	-36	-20	-52	-46	-54	-39	-80		
System Total		15961	15645	15278	14944	14674	14443	14088	13959	13802	13651	13563	13535	13501	13451	13385	12928	12968	13597	14008	14435	14813	15186	15375	15554	15296	15088	14881	15100	15214	15485	15471	15635	15736	15727	15586	15432	15367	15333	15588	16349	16700	16786	16684	16521	16252	16207	15982	15814		
SRev ST-Coal		247	325	444	554	561	556	558	563	488	498	489	488	500	496	484	572	574	557	482	370	319	272	307	288	373	337	267	273	263	275	272	288	259	271	268	269	266	261	261	267	221	186	179	186	206	223	289	410		
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 CCGT-Gas		1036	1220	1182	1101	1155	1317	1489	1434	1268	1435	1507	1566	1574	1577	1678	2067	2125	1739	1779	1695	1420	1334	1283	1228	1381	1527	1708	1661	1478	1110	1108	1093	910	864	789	800	723	712	476	165	183	168	238	229	230	183	227	127		
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 Co-Gen		-1	0	0	0	-1	1	0	-1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	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		978	978	978	827	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	978	
Hydro		150	147	232	462	273	273	274	274	271	272	271	400	275	271	274	275	198	316	188	188	188	160	153	154	164	161	166	165	163	164	164	162	153	162	135	169	163	293	360	640	614	599	630	676	293	317	327	222		
S.Reserve Total		2410	2670	2836	2944	2966	3125	3299	3248	3006	3183	3245	3283	3327	3322	3414	3892	3875	3439	3427	3231	2905	2743	2721	2648	2896	3003	3119	3077	2882	2528	2522	2522	2300	2275	2170	2217	2131	2093	1899	1687	1446	1382	1475	1643	1520	1549	1671	1586		