

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,497 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,497 MW</b>
<b>Total IPP</b>	<b>16,464 MW</b>
<b>Total Co-Gen</b>	<b>0 MW</b>
<b>Total System</b>	<b>21,528 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	16,885	5.02 %
Gas	43,771	13.02 %
<b>Total TNB</b>	<b>60,656</b>	<b>18.04 %</b>
ST-Coal	212,686	63.26 %
LSS	2,263	0.67 %
Gas	59,764	17.77 %
<b>Total IPP</b>	<b>274,713</b>	<b>81.70 %</b>
Co-Gen	1,304	0.39 %
<b>Total Co-Gen</b>	<b>1,304</b>	<b>0.39 %</b>
<b>Total Generation</b>	<b>336,673</b>	<b>100.13 %</b>
PLTG	1,144	0.34 %
EGAT	2	0.00 %
HVDC	-699	-0.21 %
<b>Interconnection</b>	<b>447</b>	<b>0.13 %</b>
<b>Net Energy</b>	<b>336,226</b>	<b>100.00 %</b>

### Maximum Demand Record

Date: 3/10/2020	18,808 MW
Date: 3/10/2020	394,238 MWH

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

Daily Maximum Demand Hour at:	00:00:00 Hour
Total Set On Bus	17,738 MW
TNB Generation	3,158 MW
IPP Generation	12,571 MW
Spinning Reserve	1,955 MW
Maximum Demand	15,661 MW
Net Energy	336,226 MWH
Load Factor	89.45 %

### Fuel Cost

Total Cost:	70,782,821.43 RM
Cost per Unit	21.02 cents/kWH

### Average Spinning Reserve During Peak Hour

Type	MW
GT	311
Hydro	430
Syncon	600
Thermal	652
<b>Total</b>	<b>1,993</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	26

### Gas Usage

Station	(mmscfd)
GLGR	31
TJGS	157
<b>Total TNB</b>	<b>188</b>
CBPS	52
KLPP	0
NPRI	160
PGLA	56
PLPS	42
<b>Total IPP</b>	<b>310</b>
<b>Total Gas</b>	<b>497</b>
<b>Total Gas Required</b>	<b>497</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	15661	14958	14475	14102	13775	13387	13073	12673	12102	12872	13137	13811	13963	14012	14083	14100	14207	13802	13744	14403	15178	14962	14851	14624





### Daily MW Generation on Sunday

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	28	29	28	29	28	30	28	30	28	28	28	28	27	29	28	28	29	28	29	28	29	29	28	28	29	29	28	29	28	29	29	27	29	28	29	29														
PCUF	CUFK	26	26	24	25	27	27	26	26	26	26	25	26	28	27	25	26	26	24	25	26	27	26	27	25	27	25	24	25	27	24	27	25	26	26	25	27	26	26	26											
Total Co-Gen		54	55	52	54	55	57	54	56	54	55	53	54	56	55	52	55	55	55	55	52	57	55	54	55	55	52	53	54	56	54	56	53	56	53	53	53	56	52	55	54	55	55	52	56	54	55	55			
Total Gen		15783	15248	15012	14821	14571	14354	14169	13964	13785	13694	13464	13232	13123	13131	12701	12322	12131	12560	12877	12890	13194	13772	13840	14185	14012	13992	14021	13980	14120	14212	14128	14012	14211	14083	13867	13664	13757	13911	14459	15246	15195	15092	14955	15015	14798	14703	14579	14403		
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		
TIE-HVDC		-29	-29	-29	-29	-29	-29	-29	-29	-28	-30	-29	-29	-30	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-29	-30	-29	-29	-29	-29	-29	-29	-30	-29	-30	-29	-29	-30	-29	-29	-29	-29		
TIE-PLTG		154	35	86	104	128	33	99	78	42	93	110	46	82	39	62	22	62	48	38	-5	89	21	61	132	80	-9	41	53	71	-26	60	-37	37	16	98	48	45	14	89	21	50	4	26	9	-20	-10	-12	-20		
Interconnection		125	6	57	74	99	4	70	49	13	65	80	17	53	11	32	-7	33	19	8	-34	60	-7	32	103	52	-38	12	23	40	-55	32	-66	8	-14	68	19	16	-16	60	-8	21	-25	-3	-19	-49	-39	-41	-49		
System Total		15661	15245	14958	14750	14475	14353	14102	13918	13775	13632	13387	13218	13073	13124	12673	12333	12102	12544	12872	12927	13137	13782	13811	14085	13963	14033	14012	13960	14083	14271	14100	14082	14207	14100	13802	13648	13744	13931	14403	15258	15178	15121	14962	15038	14851	14746	14624	14456		
SRev	ST-Coal	376	492	517	587	803	808	809	808	808	807	898	898	893	897	903	896	1008	1008	1011	1006	847	850	811	810	813	809	811	813	776	676	757	750	750	795	793	801	796	724	292	241	359	359	354	455	497	497	651			
SRev	CCGT-Gas	450	454	297	356	403	498	395	196	181	260	287	224	261	250	735	776	709	459	242	297	310	213	189	165	268	246	240	316	303	208	484	441	400	335	351	386	292	225	307	337	384	357	349	276	357	306	395	398		
SRev	LSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	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		651	651	651	651	651	374	651	738	738	738	738	738	738	587	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	
Hydro		483	457	444	362	347	283	233	151	162	178	193	87	169	169	203	213	183	161	133	123	129	130	323	292	219	218	219	223	236	426	512	547	407	400	402	398	408	405	480	573	778	771	549	569	601	468	515	340		
S.Reserve Total		1960	2054	1909	1956	2204	1963	2088	1893	1889	1983	2116	1947	2061	2054	2428	2623	2638	2366	2124	2164	2183	1801	1823	1693	2035	2015	2006	2088	2090	2022	2284	2332	2295	2223	2286	2315	2239	2164	2062	1666	1867	1800	1908	1724	1938	1796	1932	2001		