

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,495 MW
Distillate	0 MW
Total TNB	2,495 MW
Total IPP	17,502 MW
Total Co-Gen	0 MW
Total System	23,548 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	42
TJGS	188

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	17,933 MW
TNB Generation	3,252 MW
IPP Generation	13,079 MW
Spinning Reserve	1,521 MW
Maximum Demand	16,438 MW
Net Energy	351,622 MWH
Load Factor	89.13 %

Total TNB

Total TNB	230
CBPS	11
NPRI	140
PGLA	103
SKSP	24
YPKA	40

Total IPP

Total IPP	319
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Total Gas Required

Total Gas Required	549
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Generation Mix

Type	MWh	Percentage
Hydro	17,037	4.85 %
Gas	49,741	14.15 %
Total TNB	66,778	18.99 %
ST-Coal	222,892	63.39 %
LSS	3,705	1.05 %
Gas	57,628	16.39 %
Total IPP	284,225	80.83 %
Co-Gen	669	0.19 %
Total Co-Gen	669	0.19 %
Total Generation	351,672	100.01 %
PLTG	745	0.21 %
HVDC	-695	-0.20 %
Interconnection	50	0.01 %
Net Energy	351,622	100.00 %

Fuel Cost

Total Cost:	43,186,830.25 RM
Cost per Unit	12.27 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	542
Hydro	192
Syncon	931
Thermal	307
Total	1,972

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	28

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	14495	13779	13244	12870	12547	12347	12441	12607	12856	14305	14879	15325	15431	15279	15780	16280	16438	16180	15252	15082	16348	16251	15759	15601

Daily MW Generation on Friday

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	CUFK	29	4	3	5	3	2	2	3	6	2	4	4	3	1	3	2	5	3	5	3	3	4	3	5	4	2	2	5	21	37	37	37	35	36	36	7	4	4	5	5	21	36	36	37	36	3	4	2		
Total Co-Gen		70	23	10	12	7	8	7	10	13	7	10	8	8	6	8	6	9	7	10	6	6	5	5	8	10	8	5	10	65	83	83	83	81	82	80	12	9	8	10	9	68	83	83	83	82	11	13	9		
Total Gen		14512	14063	13755	13451	13300	13025	12890	12760	12502	12445	12354	12383	12456	12525	12614	12614	12784	13685	14237	14594	14840	15176	15353	15475	15407	15349	15285	15427	15788	16109	16339	16372	16412	16399	16240	15733	15293	14997	15067	15813	16364	16277	16259	15944	15726	15663	15628	15395		
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		-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		57	-18	16	-29	96	36	60	2	-4	86	47	50	55	51	46	42	-32	-54	-29	-10	0	-7	68	-15	15	18	46	11	48	21	98	41	13	23	100	82	80	64	25	-22	57	38	49	32	9	0	66	68		
Interconnection		28	-46	-12	-58	68	7	31	-28	-34	57	18	20	26	23	18	13	-61	-83	-58	-39	-29	-36	39	-44	-13	-11	17	-18	19	-8	70	12	-15	-6	71	54	52	35	-4	-52	27	8	20	2	-21	-29	37	39		
System Total		14495	14121	13779	13521	13244	13029	12870	12799	12547	12399	12347	12374	12441	12513	12607	12612	12856	13778	14305	14643	14879	15223	15325	15530	15431	15371	15279	15456	15780	16128	16280	16371	16438	16416	16180	15690	15252	14973	15082	15876	16348	16281	16251	15954	15759	15702	15601	15366		
SRev ST-Coal		488	447	549	667	672	676	686	683	672	677	670	655	677	677	671	693	673	678	678	638	626	415	379	342	325	298	296	302	335	191	189	203	203	179	182	190	147	143	133	134	190	187	187	198	190	190	183	195		
SRev CCGT-Gas		1059	1164	1013	898	995	1195	1275	1308	1498	1536	1640	1621	1534	1462	1415	1690	1774	955	559	554	620	791	693	740	1005	1150	1244	1073	813	525	351	310	319	333	423	590	917	1272	1174	467	330	441	396	497	606	606	356	553		
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	
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		548	548	850	850	850	850	850	976	976	976	976	976	976	976	976	976	976	976	976	976	976	1127	1127	1127	1127	1127	1127	1127	1127	940	940	853	853	766	766	766	889	1040	889	889	1040	702	702	889	1040	1040	1040	738	738	
Hydro		226	257	121	110	119	184	146	124	84	86	87	85	83	84	78	95	88	56	218	222	217	84	75	74	116	109	115	109	197	190	221	217	238	231	247	293	126	258	259	143	322	315	214	102	110	104	350	370		
S.Reserve Total		2321	2416	2533	2525	2636	2905	2957	3091	3230	3275	3373	3337	3270	3199	3140	3454	3511	2665	2431	2390	2439	2444	2301	2283	2573	2684	2782	2611	2285	1846	1614	1583	1526	1509	1618	1962	2230	2562	2455	1784	1544	1645	1686	1837	1946	1940	1627	1856		