

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,747 MW
Distillate	0 MW
Total TNB	1,747 MW
Total IPP	17,970 MW
Total Co-Gen	0 MW
Total System	22,251 MW

Generation Mix

Type	MWh	Percentage
Hydro	6,739	2.57 %
Gas	31,017	11.85 %
Total TNB	37,756	14.43 %
ST-Coal	171,638	65.58 %
LSS	1,880	0.72 %
Gas	50,887	19.44 %
Total IPP	224,405	85.74 %
Co-Gen	250	0.10 %
Total Co-Gen	250	0.10 %
Total Generation	262,411	100.27 %
PLTG	896	0.34 %
HVDC	-202	-0.08 %
Interconnection	694	0.27 %
Net Energy	261,717	100.00 %

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	14,519 MW
TNB Generation	1,408 MW
IPP Generation	11,244 MW
Spinning Reserve	1,855 MW
Maximum Demand	12,356 MW
Net Energy	261,717 MWH
Load Factor	88.26 %

Fuel Cost

Total Cost:	39,648,118.80 RM
Cost per Unit	15.11 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	129
Hydro	149
Syncon	733
Thermal	851
Total	1,862

Time Weather Temperature

Afternoon	Hot	34
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	185
Total TNB	215
NPRI	154
PLPS	45
YPKA	43
Total IPP	243
Total Gas	458
Total Gas Required	458

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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	12356	11868	11367	10950	10512	10303	10142	9923	9409	9698	9988	10273	10482	10674	10959	11077	10956	10791	10628	11107	12170	12128	12030	11960

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
KNYR	HY04	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	16	-1	-1	-1	-1	-1
LPJA	HY01	18	19	18	18	17	17	17	16	16	16	16	18	18	18	18	18	18	18	18	20	20	20	20	20
MNOR	HY01	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	3	3
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	30	30
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30	0
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	16	16	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	2	0
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	16	14	0
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17
TMGR	HY01	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	62	62	62	62
TMGR	HY02	36	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	34	34	34	34	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	41	44	50	42	46	41	33	33	33	33	33	33	33	30	31	33	31	32	33	32	30	33	33	33
UJLI	HY01	27	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	97	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	7	7
Total Hydro		351	243	259	205	180	168	160	404	409	407	404	405	404	404	394	395	396	380	160	160	160	163	188	
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	11	15	19	21	24	27	29	17
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	18	26	32	37	39	35	30	20
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	13	19	24	26	11	10	10	5	8
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	0	0	5	19	15	19	5	4	2
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	16	30	26	23	35	41	43	50
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	13	21	28	29	36	36	43	44	43
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	11	13	20	34	27	27	30	32
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1	4	17	7	3	3	2	2
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	16	28	22	34	46	43	21	35	20
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	6	14	22	28	33	34	35	44	35
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	10	45	91	142	181	223	277	270	261	268	232	
PCUF	CUFG	6	6	6	6	5	4	6	5	4	5	5	6	6	5	6	5	6	5	6	7	6	5	6	6
PCUF	CUFK	6	6	6	6	4	5	4	4	4	4	3	4	5	5	4	5	5	4	5	5	4	4	4	6
Total Co-Gen		12	12	12	12	9	9	10	9	8	9	8	10	11	10	10	9	10	11	10	12	9	10	11	
Total Gen		12664	12387	12137	11622	11336	11148	10916	10664	10465	10431	10284	10173	10123	10077	9921	9397	9399	9567	9694	9832	10032	10218	10296	
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		302	302	304	-29	-29	-29	-29	-28	-28	-29	-29	-28	-28	-29	-29	-30	-30	-29	-29	-30	-30	-30	-29	-29
TIE-PLTG		6	10	-36	22	-2	26	-5	-22	-18	28	10	3	9	13	27	-9	19	34	26	94	72	85	53	
Interconnection		308	311	269	-7	-31	-3	-34	-51	-47	-1	-19	-26	-19	-15	-2	-38	-10	6	-4	64	44	57	23	
System Total		12356	12076	11868	11629	11367	11151	10950	10715	10512	10432	10303	10199	10142	10092	9923	9435	9409	9561	9698	9768	9988	10161	10273	
SRev ST-Coal		707	783	790	825	834	835	827	919	980	975	978	978	978	980	977	977	976	980	978	980	979	983	975	978
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
SRev CCGT-Gas		176	77	97	129	142	279	297	60	27	71	108	59	56	45	133	421	412	286	192	79	54	85	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
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
SRev Co-Gen		8	8	8	8	11	11	10	11	12	11	12	10	9	10	10	9	10	10	9	10	8	11	10	9
Syncon		515	789	789	789	877	776	776	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675	675
Hydro		449	196	180	186	123	136	144	101	96	98	101	100	101	101	100	111	110	109	125	144	144	144	141	116
S.Reserve Total		1855	1853	1864	1937	1987	2037	2054	1766	1790	1830	1874	1822	1819	1811	1897	2194	2185	2059	1979	1986	1959	1995	2030	