

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,472 MW
Distillate	0 MW
Total TNB	2,472 MW
Total IPP	15,147 MW
Total Co-Gen	0 MW
Total System	20,450 MW

Generation Mix

Type	MWh	Percentage
Hydro	24,839	7.55 %
Gas	35,976	10.94 %
Total TNB	60,815	18.50 %
ST-Coal	198,756	60.45 %
LSS	3,668	1.12 %
Gas	65,734	19.99 %
Total IPP	268,158	81.56 %
Co-Gen	182	0.06 %
Total Co-Gen	182	0.06 %
Total Generation	329,155	100.11 %
PLTG	-365	-0.11 %
HVDC	723	0.22 %
Interconnection	358	0.11 %
Net Energy	328,797	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:	20:00:00 Hour
Total Set On Bus	16,612 MW
TNB Generation	3,479 MW
IPP Generation	11,990 MW
Spinning Reserve	1,134 MW
Maximum Demand	15,429 MW
Net Energy	328,797 MWH
Load Factor	88.79 %

Fuel Cost

Total Cost:	43,362,709.02 RM
Cost per Unit	13.16 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	601
Hydro	387
Syncon	573
Thermal	277
Total	1,838

Time Weather Temperature

Afternoon	Hot	32
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	32
TJGS	216
Total TNB	248
KLPP	82
NPRI	158
PGLA	109
PLPS	58
SKSP	4
Total IPP	411
Total Gas	659
Total Gas Required	659

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	14250	13632	13110	12735	12428	12216	12158	12150	11972	13018	13513	14022	13953	13740	14217	14445	14457	14250	13892	14004	15429	15286	14946	14592

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
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	125	125	125	0	0	0	0	63	63	63	62	62	124	125	125	124	125	64	0	0	0	0	0	0
HTRG	HY02	123	123	124	124	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	123	123	123
KNRG	HY01	24	24	24	24	24	24	24	24	24	24	0	0	0	0	0	0	0	0	0	0	24	23	36	36
KNRG	HY02	24	24	24	24	24	24	24	23	0	0	0	0	0	0	0	0	0	0	0	0	24	37	37	37
KNRG	HY03	24	24	24	24	24	24	24	24	25	25	25	24	25	24	25	25	26	25	25	25	37	37	37	37
KNYR	HY01	101	101	101	102	101	102	101	101	101	101	101	102	101	101	101	102	101	101	101	101	101	101	101	101
KNYR	HY02	106	106	105	107	106	106	106	106	106	106	106	105	105	105	107	106	106	106	106	106	106	106	105	105
KNYR	HY03	101	101	101	102	101	102	101	101	101	101	101	101	102	101	101	102	102	101	101	101	101	101	101	101
KNYR	HY04	102	102	102	103	102	102	101	102	101	101	102	102	101	101	101	102	102	101	102	102	102	102	101	101
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	20	18
LPIA	HY02	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	20	18
MNOR	HY01	7	7	7	7	5	5	5	5	5	5	5	5	5	5	5	5	5	5	3	3	3	3	3	5
PGAU	HY01	21	21	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	21
PGAU	HY02	20	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	21	21
PGAU	HY03	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY04	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	20	
SIHY	HY02	50	50	50	50	50	50	50	0	0	0	0	0	0	30	30	30	30	30	30	30	30	30	30	30
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	16	30	30	30	30	30	30	30	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	4	17	17	17	17	17	17	17	15	0	0	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	87	36	34	34	34	34	74	83
TMGR	HY02	91	81	90	91	64	46	50	84	45	46	46	45	50	46	75	45	63	44	91	91	45	90	91	
TMGR	HY03	85	33	32	32	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	87	85	
TMGR	HY04	86	35	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	86	86	88	86	86	34	34	86	
UJLI	HY01	96	-1	-1	99	96	-1	96	96	-1	-1	-1	-1	-1	-1	90	93	92	88	-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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		1381	1129	1079	1060	930	732	830	865	825	677	588	640	645	643	668	636	655	879	950	1114	1103	1130	1070	
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	1	3	6	11	17	19	22	24	25	26	27
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	14	17	19	22	29	29	30	29
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10	15	20	25	28	30	30	30	30	30
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	9	14	19	24	27	38	41	38	38	49	49
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	6	9	12	22	22	29	13	20	22	48	50	23
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	6	7	7	24	22	19	20	30	30	30
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	6	14	22	29	34	40	44	47	50	50	50
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	4	8	14	14	31	26	29	32	35	41	51	48
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	14	21	27	32	36	40	43	42	46	46
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	15	20	24	28	30	30	30	30	30
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	5	6	10	12	25	14	46	46	46	45	50	44
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	10	20	26	36	42	47	52	52	52	42	52
SSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	7	14	21	26	31	34	37	40	41	42	41
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	8	10	7	11	20	18	13	14	15	9

