

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,521 MW
Distillate	0 MW
Total TNB	2,521 MW
Total IPP	16,726 MW
Total Co-Gen	0 MW
Total System	22,078 MW

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:	11:30:00 Hour
Total Set On Bus	17,050 MW
TNB Generation	3,322 MW
IPP Generation	12,351 MW
Spinning Reserve	1,371 MW
Maximum Demand	15,748 MW
Net Energy	340,073 MWH
Load Factor	89.98 %

Gas Usage

Station	(mmscfd)
GLGR	40
TJGS	172
Total TNB	212
CBPS	44
KLPP	3
NPRI	130
PGLA	97
PLPS	45
YPKA	18
Total IPP	336
Total Gas	548
Total Gas Required	548

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Hydro	41,737	12.27 %
Gas	29,279	8.61 %
Total TNB	71,016	20.88 %
ST-Coal	207,251	60.94 %
LSS	1,705	0.50 %
Gas	58,277	17.14 %
Total IPP	267,233	78.58 %
Co-Gen	160	0.05 %
Total Co-Gen	160	0.05 %
Total Generation	338,409	99.51 %
PLTG	-961	-0.28 %
HVDC	-703	-0.21 %
Interconnection	-1,664	-0.49 %
Net Energy	340,073	100.00 %

Fuel Cost

Total Cost:	50,958,909.04 RM
Cost per Unit	15.04 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	873
Hydro	307
Syncon	213
Thermal	162
Total	1,555

Time Weather Temperature

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	13571	13089	12699	12320	12123	11976	12131	12430	13088	14667	15288	15728	15475	15120	15429	15604	15630	15313	14568	14716	15528	15204	14549	14006

Daily MW Generation on Wednesday

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	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	HY03	8	8	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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	125	125	125	124	124	124	125	125	125	125	124	125	125	125	125	125	124	125	124	125	125
HTRG	HY02	124	123	123	123	123	124	124	124	124	123	123	124	125	124	125	124	125	124	124	124	125	125	124	125
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	35	35	35	35	35	35	35	35	35	35	35	35
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	36	36	36	36	36	36	36	36	37	37	37	37
KNRG	HY03	24	24	27	27	27	27	27	27	27	27	27	27	36	35	35	35	35	35	35	35	35	35	35	35
KNRY	HY01	98	97	96	92	97	96	89	96	95	94	90	89	99	100	97	100	101	101	99	99	101	101	101	101
KNRY	HY02	98	98	92	94	91	91	84	94	93	93	85	83	99	98	97	98	109	110	110	108	109	109	108	109
KNRY	HY03	99	98	98	99	101	101	100	99	99	99	99	99	100	103	100	102	109	110	110	108	110	109	109	109
KNRY	HY04	98	98	98	98	101	101	99	98	98	98	98	98	100	102	100	101	110	104	104	102	103	104	103	103
LPIA	HY01	16	16	16	16	16	16	19	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
LPIA	HY02	16	12	13	13	13	16	19	22	22	22	22	22	25	25	25	25	24	24	24	24	24	24	24	24
MNOR	HY01	5	5	5	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4
PGAU	HY01	20	21	81	148	149	149	149	149	149	149	149	149	149	149	149	121	121	121	121	121	121	121	120	121
PGAU	HY02	-1	-1	-1	82	148	149	149	148	149	150	150	150	150	150	150	146	122	122	122	122	122	122	122	123
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	22	-1	-1	-1	-1	-1	-1	-1	112	122	122	122	122	120	119	117	122
PGAU	HY04	111	110	111	110	111	111	110	111	111	21	21	21	21	21	21	21	21	21	22	22	22	22	22	22
SIHY	HY01	31	31	31	31	31	31	31	0	0	0	0	0	0	31	31	31	31	31	50	50	50	49	49	49
SIHY	HY02	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	50	50	50	50	50	50	50	50	50
SIHY	HY03	30	30	30	30	30	30	30	30	30	30	30	30	0	0	0	0	0	0	0	50	50	50	50	50
SYPS	HY01	25	25	25	25	25	25	25	25	25	25	25	0	0	0	0	17	17	17	17	17	17	17	17	17
SYPS	HY02	25	25	25	25	25	25	25	25	25	25	25	0	0	0	0	17	17	17	17	17	17	17	17	17
SYPS	HY03	25	25	25	25	25	25	0	0	0	0	0	0	0	0	16	17	17	17	17	17	17	17	17	17
SYPS	HY04	25	25	25	25	25	25	0	0	0	0	0	0	0	0	7	17	17	17	17	17	17	17	17	17
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	86	87	87	86	85	83	87	86	87
TMGR	HY02	43	44	57	44	44	43	44	44	44	44	44	82	75	67	70	43	45	43	43	44	61	86	53	40
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	85	85	83	82	82	81	85	83
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	86	86	84	83	83	82	86	84
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	95	97	93	91	91	98	93	90
UJLI	HY02	92	89	95	93	95	93	93	95	95	97	93	94	98	96	-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	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	4	5	5	5	5	5	5	5
Total Hydro		1206	1197	1275	1408	1484	1484	1474	1440	1414	1325	1308	1306	1379	1325	1152	1280	1356	1472	1506	1710	1937	1965	1984	1981
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	1	2	2	4	5	9	6	6	5	7
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	7	12	28	23	19	20	26	14	4
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	7	14	17	19	15	23	28	17
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	9	17	20	16	19	27	26	22	22
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	9	8	2	3	6	9	7	18
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	1	2	1	2	6	0	1	5
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	13	19	26	25	28	32	41	34	37
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	6	7	15	27	23	28	18	18
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	7	19	33	28	23	22	34	30
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	9	8	10	11	13	14	8	9
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	8	12	12	13	18	14	12	6

