

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,733 MW
Distillate	0 MW
Total TNB	1,733 MW
Total IPP	17,970 MW
Total Co-Gen	0 MW
Total System	22,237 MW

Maximum Demand Record

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

Gas Usage

Station	(mmscfd)
GLGR	30
TJGS	216
Total TNB	246
NPRI	154
PLPS	37
YPKA	34
Total IPP	225
Total Gas	470
Total Gas Required	470

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	14,376 MW
TNB Generation	2,227 MW
IPP Generation	10,740 MW
Spinning Reserve	1,398 MW
Maximum Demand	12,947 MW
Net Energy	273,317 MWH
Load Factor	87.96 %

Generation Mix

Type	MWh	Percentage
Hydro	8,813	3.22 %
Gas	35,808	13.10 %
Total TNB	44,621	16.33 %
ST-Coal	179,280	65.59 %
LSS	2,670	0.98 %
Gas	47,778	17.48 %
Total IPP	229,728	84.05 %
Co-Gen	250	0.09 %
Total Co-Gen	250	0.09 %
Total Generation	274,599	100.47 %
PLTG	645	0.24 %
HVDC	637	0.23 %
Interconnection	1,282	0.47 %
Net Energy	273,317	100.00 %

Fuel Cost

Total Cost:	42,343,546.02 RM
Cost per Unit	15.43 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	111
Hydro	195
Syncon	765
Thermal	693
Total	1,764

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	25

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	11559	11072	10586	10307	10006	9825	9785	9832	9802	10563	11029	11371	11598	11713	12111	12367	12381	12036	11575	11704	12947	12923	12901	12817

Daily MW Generation on Monday

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
MNOR	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
PGAU	HY01	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	17	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PGAU	HY03	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
SIHY	HY01	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYPS	HY01	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0
SYPS	HY04	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY04	38	39	38	38	40	40	38	38	38	40	39	40	39	40	38	83	84	84	84	40	81	44	39	38
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6
UPIA	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro		287	271	266	267	268	269	266	264	501	521	499	451	450	451	451	398	453	456	469	490	456	274	234	227
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
BDSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	6	10	9	13	18	23	20	19	27
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	14	25	29	37	39	36	45	22	23	31
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	6	7	13	21	46	44	32	46	34
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	4	6	13	26	11	15	29	26	28
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	13	25	32	35	37	40	45	45	49	49
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	7	18	21	13	27	34	17	23	28	28	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	12	15	37	33	39	41	44	43	38	46
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	5	11	11	9	24	33	50	21	50
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	8	21	24	31	43	38	47	48	57	51	53
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	11	15	25	20	30	40	38	43	40	24
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	9	38	89	123	164	225	260	313	336	390	338	365
PCUF	CUFG	6	5	5	6	5	5	6	6	6	5	5	4	5	5	6	5	7	7	5	5	6	6	5	5
PCUF	CUFK	5	5	5	5	6	4	6	5	5	5	5	5	5	6	5	6	5	4	6	6	5	5	6	5
Total Co-Gen		11	10	10	11	11	9	12	11	11	10	10	9	10	10	13	13	10	9	12	12	10	11	10	11
Total Gen		11534	11322	11037	10907	10645	10506	10375	10222	10072	9935	9874	9822	9807	9841	9855	9627	9824	10261	10627	10867	11099	11292	11463	11685
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		-30	-30	-29	31	30	30	31	31	31	31	30	30	30	31	31	31	30	30	30	30	30	30	30	30
TIE-PLTG		5	34	-6	33	29	28	37	33	35	5	19	11	-7	-6	-7	17	-9	-35	34	15	39	48	62	
Interconnection		-25	4	-35	64	59	58	68	64	66	36	49	41	22	23	23	47	22	-4	64	46	70	78	92	
System Total		11559	11318	11072	10843	10586	10448	10307	10158	10006	9899	9825	9781	9785	9818	9832	9580	9802	10265	10563	10821	11029	11214	11371	
SRev ST-Coal		780	768	794	860	922	926	928	926	973	978	980	975	977	977	977	978	978	978	976	953	925	927	925	
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		217	201	228	224	176	129	233	228	340	391	379	384	397	362	348	536	422	27	30	15	383	61	68	
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		9	10	10	9	9	11	8	9	9	10	10	11	10	10	8	10	7	7	10	11	8	8	10	10
Syncon		877	877	877	877	898	898	898	919	818	818	818	818	818	818	818	818	818	818	818	818	818	818	818	818
Hydro		136	132	137	136	134	133	136	137	101	101	103	101	102	101	101	101	104	49	46	34	63	147	121	

Daily MW Generation on Monday

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																								
S.Reserve Total		2019	1988	2046	2106	2139	2097	2203	2219	2241	2298	2310	2334	2349	2268	2252	2446	2274	1876	1847	1839	2260	2022	2069	2014	2010	1854	2086	1914	1915	1674	1742	1729	1646	1726	1779	1879	1937	1860	1932	1419	1398	1401	1528	1523	1592	1542	1944	2080