

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,161 MW
Distillate	0 MW
Total TNB	2,161 MW
Total IPP	15,331 MW
Total Co-Gen	0 MW
Total System	21,134 MW

Generation Mix

Type	MWh	Percentage
Hydro	26,647	7.32 %
Gas	50,505	13.88 %
Total TNB	77,152	21.20 %
ST-Coal	189,846	52.17 %
LSS	3,776	1.04 %
Distillate	22,412	6.16 %
Gas	67,008	18.41 %
Total IPP	283,042	77.78 %
Co-Gen	960	0.26 %
Total Co-Gen	960	0.26 %
Total Generation	361,154	99.25 %
PLTG	635	0.17 %
HVDC	-3,365	-0.92 %
Interconnection	-2,730	-0.75 %
Net Energy	363,884	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:	16:30:00 Hour
Total Set On Bus	18,168 MW
TNB Generation	4,097 MW
IPP Generation	12,928 MW
Spinning Reserve	1,122 MW
Maximum Demand	17,099 MW
Net Energy	363,884 MWH
Load Factor	88.67 %

Fuel Cost

Total Cost:	56,692,721.29 RM
Cost per Unit	15.38 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,103
Hydro	217
Syncon	355
Thermal	161
Total	1,836

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	58
TJGS	142
Total TNB	200
CBPS	47
KLPP	39
NPRI	133
PGLA	67
PLPS	35
SGB3	40
SKSP	2
YPKA	62
Total IPP	424
Total Gas	624
Total Gas Required	838

Alternate Fuel Usage

Station	(mmscfd)
PGLA	39
KLPP	64
PGLA	39
PLPS	31
SGB3	42
Total	214

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	15375	14572	14009	13480	13195	12808	12803	12957	13041	14506	15314	15822	15847	15710	16156	16847	17037	16937	15828	15444	16747	16761	16299	16025

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																											
Total Distillate		915	919	912	757	686	297	161	51	0	0	0	0	0	0	146	596	784	781	779	866	892	895	895	900	900	899	901	900	899	900	900	900	899	903	752	776	776	775	778	777	779	778	779	778	779	782					
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	14	18	21	23	25	27	28	29	29	28	27	26	25	22	19	15	11	8	4	2	0	0	0	0	0	0	0	0	0	0	0	0		
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	14	18	22	26	30	24	29	30	30	30	29	30	27	24	20	16	11	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0		
BLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	17	21	25	28	30	30	29	29	26	14	29	30	26	29	26	23	21	12	6	2	0	0	0	0	0	0	0	0	0	0	0	0		
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	17	23	30	35	39	43	45	46	47	48	46	45	44	40	36	31	24	21	12	7	2	1	0	0	0	0	0	0	0	0	0	0	0		
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	17	24	29	32	27	34	26	40	43	48	36	46	30	41	22	14	22	16	8	4	1	0	0	0	0	0	0	0	0	0	0	0	0		
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	8	15	23	30	36	42	31	50	50	50	50	27	26	48	46	42	36	31	24	17	9	3	0	0	0	0	0	0	0	0	0	0	0	0		
JSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	18	24	31	36	41	45	47	50	50	50	50	47	46	42	38	30	28	21	13	6	2	0	0	0	0	0	0	0	0	0	0	0	0	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	15	21	27	32	35	28	19	18	47	50	45	46	42	41	37	33	28	23	16	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	16	21	25	28	30	30	30	30	24	30	17	18	30	29	25	20	15	10	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	18	25	29	18	34	44	45	47	50	50	50	48	49	44	40	35	24	17	7	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	22	30	39	46	52	52	52	52	42	52	52	52	52	50	42	35	28	19	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	15	21	27	32	36	38	41	42	43	43	29	41	39	35	32	25	11	14	4	5	2	0	0	0	0	0	0	0	0	0	0	0	0		
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	13	17	20	25	26	23	29	11	26	17	13	10	10	10	9	9	6	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	37	104	187	265	337	380	436	456	459	490	501	526	454	467	463	462	414	349	290	233	140	80	25	3	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	47	48	46	49	49	48	48	48	49	47	48	49	49	48	13	4	6	5	5	7	4	5	5	7	7	4	5	7	7	8	7	6	4	4	4	5	5	4	4	5	6	5	0	0	0	0	0	0			
PCUF	CUFK	13	11	22	37	36	35	38	37	37	37	35	35	34	35	36	20	23	17	13	13	15	11	14	11	12	10	11	14	10	13	12	13	13	13	12	12	11	15	13	13	11	11	11	11	12	11	10	12			
Total Co-Gen		60	59	68	86	85	83	86	85	85	86	82	83	85	83	69	72	65	26	17	21	16	19	18	16	15	16	21	17	17	17	20	20	21	19	18	15	19	18	18	15	15	16	17	17	11	10	12				
Total Gen		15317	14765	14439	14083	13850	13595	13319	13168	13000	12825	12633	12649	12661	12673	12749	12660	12808	13729	14246	14734	15086	15402	15646	15724	15663	15562	15530	15731	15988	16514	16803	16976	16975	17046	16922	16438	15798	15412	15378	16261	16791	16801	16795	16560	16308	16233	16011	15949			
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		-28	-195	-197	-195	-194	-195	-197	-194	-197	-195	-195	-194	-196	-196	-195	-195	-194	-194	-195	-195	-196	-196	-195	-195	-194	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-28	-29	-28	-30	-30	-28	-28	-28	-28	-28	-28				
TIE-PLTG		-30	-32	64	-33	35	44	34	35	-1	-3	21	95	53	-3	-14	-27	-37	25	-65	19	-33	-2	18	-52	12	72	15	12	26	34	54	27	37	45	84	89	68	23	33	78	72	81	64	77	39	10	14	93			
Interconnection		-58	-226	-133	-227	-159	-151	-161	-162	-195	-200	-175	-101	-142	-198	-208	-221	-233	-171	-260	-176	-228	-196	-176	-247	-184	-124	-180	-183	-168	-64	-44	-70	-62	-53	-15	-9	-30	-75	-66	50	44	53	34	47	9	-18	-14	65			
System Total		15375	14991	14572	14310	14009	13746	13480	13330	13195	13025	12808	12750	12803	12871	12957	12881	13041	13900	14506	14910	15314	15598	15822	15971	15847	15686	15710	15914	16156	16578	16847	17046	17037	17099	16937	16447	15828	15487	15444	16211	16747	16748	16761	16513	16299	16251	16025	15884			
SRev ST-Coal		84	122	101	95	258	260	259	266	255	256	263	268	311	328	298	329	328	319	302	145	138	139	153	125	163	156	183	161	151	161	153	163	173	159	171	156	161	160	123	139	134	160	151	169	155	159	154	151			
SRev CCGT-Gas		2053	2523	2823	2500	2412	2554	2449	2365	2464	2471	2576	2556	2481	2467	2468	2519	2867	2424	2362	2224	2061	1780	1486	1527	1523	1671	1746	1598	1374	979	695	546	570	463	483	734	1265	1606	1444	601	233	212	225	435	653	710	954	272			
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	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	0
SRev Distillate		51	47	54	66	137	9	145	102	0	0	0	0	0	0	0	0	0	150	74	39	42	44	100	74	71	71	66	66	67	65	66	67	66	66	66	66	67	63	71	47	47	48	45	46	44	45	44	41			
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	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	0
Syncon		302	489	489	489	489	489	489	489	425	663	663	663	663	814	663	663	663	489	489	489	489	489	489	489	489	338	489	489	302	302	302	302	302	302	302	489	489	489	489	302	302	302	151	302	302	302	151	302			
Hydro		197	57	106	117	128	159	153	202	445	373	449	446	523	291	313	337	333	124	49	104	65	66	105	59	87	233	100	99	186	391	259	226	146	132	163	166	173	167	122	255	392	365	522	378	428	335	469	400			
S.Reserve Total																																																				