

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,306 MW
Distillate	0 MW
Total TNB	2,306 MW
Total IPP	15,287 MW
Total Co-Gen	0 MW
Total System	19,752 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,207	4.86 %
Gas	28,276	7.99 %
Total TNB	45,483	12.85 %
ST-Coal	192,796	54.46 %
LSS	2,406	0.68 %
Gas	111,731	31.56 %
Total IPP	306,933	86.70 %
Co-Gen	1,675	0.47 %
Total Co-Gen	1,675	0.47 %
Total Generation	354,091	100.02 %
PLTG	-661	-0.19 %
HVDC	728	0.21 %
Interconnection	67	0.02 %
Net Energy	354,024	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:30:00 Hour
Total Set On Bus	18,496 MW
TNB Generation	2,463 MW
IPP Generation	14,514 MW
Spinning Reserve	1,453 MW
Maximum Demand	17,054 MW
Net Energy	354,024 MWH
Load Factor	86.50 %

Fuel Cost

Total Cost:	0.00 RM
Cost per Unit	0.00 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	644
Hydro	325
Syncon	885
Thermal	195
Total	2,049

Time	Weather	Temperature
Afternoon	Hot	32
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	30
PAKA	27
TJGS	153
Total TNB	209

CBPS	50
KLPP	85
MPSS	38
NPRI	146
PGLA	108
PLPS	87
SGB3	76
SGRI	52
SKSP	49
YPKA	51
Total IPP	743
Total Gas	953

Total Gas Required	953
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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	13718	13118	12710	12453	12121	12029	12235	12632	13135	14832	15642	16284	16274	16045	16591	16952	16938	16585	15692	15673	16136	15831	15239	14868

Daily MW Generation on Thursday

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																									
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13	12	24	24	35	38	46	46	36	43	43	30	25	25	25	17	17	11	11	4	4	4	4	0	0	0	0	0	0	0	0			
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	10	14	17	40	42	45	46	49	50	26	22	29	27	20	25	0	2	2	2	1	0	0	0	0	0	0	0	0	0	0			
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	11	22	26	26	37	40	47	21	48	48	45	50	21	23	35	31	30	24	15	9	1	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	1	5	8	17	17	18	38	38	40	41	42	41	23	14	6	4	13	6	5	3	1	2	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	15	21	29	35	17	44	48	50	50	50	50	46	28	29	39	44	33	22	16	3	1	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	1	3	4	6	17	31	26	50	54	58	49	49	38	45	44	12	50	50	39	34	31	5	0	1	0	0	0	0	0	0	0	0	0			
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	15	23	24	31	18	27	38	42	42	43	43	40	32	24	20	24	1	2	2	2	1	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	3	22	78	119	158	212	239	337	365	370	396	391	358	332	272	210	235	256	160	131	101	46	12	5	4	4	0	0	0	0	0	0	0	0		
PCUF	CUFG	29	37	38	37	38	38	38	39	38	39	41	41	39	42	39	38	39	38	40	38	38	36	32	32	33	33	33	34	33	33	33	33	33	35	34	35	34	35	33	33	34	34	34	34	35	36			
PCUF	CUFK	34	34	34	34	36	34	34	35	34	35	35	35	34	35	35	34	35	33	34	36	33	35	36	34	33	34	33	33	33	33	33	33	34	32	33	33	33	34	34	34	34	33	32	33	33	34	33		
Total Co-Gen		63	71	72	71	74	72	72	74	72	74	76	76	73	77	73	72	74	73	74	73	71	72	74	69	67	68	67	66	67	66	67	66	66	67	65	68	67	68	68	69	67	67	67	65	67	67	69	69	
Total Gen		13727	13346	13090	12828	12677	12481	12417	12225	12118	12120	11981	12116	12210	12437	12627	12707	13124	14173	14817	15138	15597	15966	16247	16424	16266	16066	16041	16336	16562	16973	16946	17043	16927	16958	16599	16133	15687	15412	15688	16210	16153	16020	15813	15661	15213	15159	14854	14543	
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		30	31	31	30	30	31	31	30	30	31	31	31	30	30	30	31	31	30	30	30	31	31	30	30	31	31	31	31	31	31	31	31	31	30	30	30	30	30	30	29	29	30	30	31	31	31	31		
TIE-PLTG		-8	-13	-47	-20	-52	-24	-54	-11	-21	-28	-67	-32	-43	-13	-23	33	-29	8	-33	-74	-63	-16	-55	-21	-26	-59	-22	-30	-48	-26	-24	-29	-30	20	-5	-19	-23	-53	-3	-20	-1	-48	-35	-20	-45	-42	-33	7	
Interconnection		21	17	-16	10	-21	6	-24	19	9	3	-36	-2	-13	17	7	62	1	39	-3	-44	-33	15	-25	10	4	-28	8	0	-17	4	6	1	1	51	26	11	7	-23	27	11	29	-19	-6	10	-14	-11	-2	38	
System Total		13718	13341	13118	12830	12710	12487	12453	12218	12121	12129	12029	12130	12235	12432	12632	12657	13135	14146	14832	15194	15642	15963	16284	16426	16274	16106	16045	16348	16591	16981	16952	17054	16938	16919	16585	16134	15692	15447	15673	16211	16136	16051	15831	15663	15239	15182	14868	14517	
SRev ST-Coal		358	383	395	365	360	365	380	398	429	436	465	463	468	426	381	367	363	329	186	138	171	178	154	187	172	170	186	158	181	176	174	195	297	214	193	217	189	234	171	316	219	305	212	184	187	178	270	312	
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
SRev CCGT-Gas		1421	1483	1565	1667	1819	2008	2068	2250	2195	2066	2158	1937	2004	1967	1885	1818	1402	802	547	601	702	722	576	458	622	659	697	510	388	328	328	310	297	342	575	793	1077	1297	1203	575	840	849	955	1183	1623	1689	1854	1920	
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
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
SRev Co-Gen		12	4	3	4	1	3	3	1	3	1	-1	-1	2	-2	3	1	2	1	2	4	3	1	6	8	7	8	9	8	9	8	9	8	9	9	8	10	7	8	7	7	6	8	8	8	10	8	8	6	6
Syncon		814	814	1066	1066	1066	1066	1066	1066	1253	1253	1253	1253	1253	1102	1102	1102	1253	1253	1253	627	627	789	1102	1102	1253	1253	1066	1066	476	325	476	476	476	663	1127	1253	1253	1253	1253	1253	1253	1102	1253	1253	1253	1253	1253		
Hydro		151	281	160	135	147	145	131	125	144	118	161	115	124	254	251	253	119	116	125	125	423	398	480	163	170	131	121	269	273	456	594	467	515	527	456	269	152	124	126	183	195	196	288	167	174	171	175	128	
S.Reserve Total		2756	2965	3189	3237	3393	3587	3648	3840	4024	3874	4036	3767	3851	3747	3621	3543	3138	2502	2112	2119	1927	1928	2000	1916	2074	2220	2265	2012	1916	1445	1429	1457	1594	1567	1897	2413	2679	2915	2760	2333	2515	2611	2565	2797	3245	3299	3558	3619	