

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	15,818 MW
Total Co-Gen	0 MW
Total System	20,990 MW

Generation Mix

Type	MWh	Percentage
Hydro	13,933	3.64 %
Gas	41,745	10.91 %
Total TNB	55,678	14.55 %
ST-Coal	212,605	55.55 %
LSS	2,919	0.76 %
Gas	111,863	29.23 %
Total IPP	327,387	85.54 %
Co-Gen	444	0.12 %
Total Co-Gen	444	0.12 %
Total Generation	383,509	100.21 %
PLTG	224	0.06 %
HVDC	563	0.15 %
Interconnection	787	0.21 %
Net Energy	382,722	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:	16:00:00 Hour
Total Set On Bus	19,607 MW
TNB Generation	3,098 MW
IPP Generation	14,934 MW
Spinning Reserve	1,547 MW
Maximum Demand	18,019 MW
Net Energy	382,722 MWH
Load Factor	88.50 %

Fuel Cost

Total Cost:	64,441,525.97 RM
Cost per Unit	16.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	429
Hydro	621
Syncon	663
Thermal	142
Total	1,855

Time Weather Temperature

Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	36
SRDG	2
TJGS	212
Total TNB	300
CBPS	55
KLPP	98
NPRI	78
PGLA	111
PLPS	89
SGB3	59
SGRI	145
YPKA	88
Total IPP	724
Total Gas	1,023

Total Gas Required 1,023

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	15832	15089	14473	13993	13640	13411	13539	13609	13764	15530	16425	16993	16877	16748	17526	17969	18019	17738	16493	16207	17404	17417	17006	16799

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																														
UJLI	HY02	-1	-1	-1	-1	0	-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	4																													
UPIA	HY02	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1																													
Total Hydro		462	212	158	155	161	162	162	161	160	160	160	183	161	162	204	178	161	184	163	500	537	651	624	581	446	389	355	633	663	899	990	1042	1150	1191	1060	685	534	520	542	882	1308	1359	1334	1176	1096	991	1001	918						
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	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				
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	12	16	20	22	24	24	27	26	22	27	26	25	25	23	20	16	12	8	4	1	0	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	3	9	17	24	31	35	39	42	45	47	47	47	48	45	42	39	33	29	23	15	8	2	1	1	0	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	5	11	18	27	29	20	34	17	48	34	42	42	27	33	46	23	37	33	24	22	14	10	2	0	0	0	0	0	0	0	0	0	0	0	0					
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	12	15	23	15	26	29	26	30	29	26	24	18	19	23	15	11	9	4	2	1	0	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	6	16	23	29	35	42	45	49	50	50	37	48	50	25	49	8	15	27	27	17	3	4	0	0	0	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	3	9	11	11	11	11	11	11	11	34	49	49	49	47	50	29	46	23	19	22	15	14	9	3	1	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	3	4	13	20	26	33	36	41	44	46	47	47	47	43	38	28	9	7	32	10	8	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	2	9	18	27	28	9	37	50	50	47	49	50	47	47	45	40	30	16	18	9	9	1	0	0	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	0	12	21	30	38	44	48	52	55	56	50	37	56	19	27	31	21	14	13	11	9	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0				
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	10	15	22	28	33	37	40	43	39	46	45	44	36	29	36	23	30	24	18	12	6	1	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	26	79	142	208	251	263	321	348	421	421	436	405	419	376	329	344	256	216	214	165	110	68	20	2	1	0	0	0	0	0	0	0	0	0	0	0				
PCUF	CUF6	4	6	7	5	5	4	4	5	4	4	3	5	4	4	24	4	3	4	5	4	4	4	4	23	23	24	24	23	22	23	24	23	25	25	25	25	24	25	25	25	25	25	25	25	25	25	25	25	25	24	24	25	26	4
PCUF	CUF6	5	5	5	5	5	6	5	4	5	5	4	5	6	6	5	4	6	4	5	6	6	5	4	7	5	6	6	3	4	5	5	6	7	3	5	5	5	6	5	5	6	5	5	6	6	4	5	5	3	3	5	5	3	5
Total Co-Gen		9	11	12	10	10	11	9	8	10	9	8	8	11	8	11	11	9	8	30	8	8	10	11	9	8	11	28	29	30	27	27	28	30	30	28	30	30	29	31	30	30	31	30	28	30	31	7	7						
Total Gen		15905	15369	15095	14802	14488	14326	14076	13852	13661	13607	13457	13474	13575	13798	13665	13548	13781	14893	15527	15982	16415	16706	17018	17135	16919	16806	16780	17134	17548	17924	17982	18018	18060	18038	17787	17104	16521	16212	16193	16844	17439	17475	17402	17265	17028	16868	16800	16449						
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	0	0	0	0	0
TIE-HVDC		31	31	30	30	30	31	31	31	31	30	30	31	31	31	30	30	31	31	29	29	31	31	31	31	31	30	30	31	30	30	31	31	30	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	
TIE-PLTG		49	1	-17	34	-8	16	59	43	-2	31	23	43	12	31	33	43	-6	8	-27	-25	-32	-26	1	-16	18	6	9	-11	-2	-3	-10	16	20	23	27	69	39	26	-3	-34	46	1	-4	-33	33	-8	-19	-30						
Interconnection		80	32	13	64	22	47	90	74	28	61	53	73	43	61	63	74	24	38	4	6	-3	4	32	15	49	36	39	20	29	27	20	47	51	53	59	69	39	26	-3	-34	46	1	-4	-33	33	-8	12	0						
System Total		15832	15344	15089	14745	14473	14286	13993	13785	13640	13553	13411	13408	13539	13744	13609	13481	13764	14862	15530	15983	16425	16709	16993	17127	16877	16777	16748	17121	17526	17904	17969	17981	18019	17995	17738	17045	16493	16197	16207	16889	17404	17485	17417	17309	17006	16887	16799	16460						
SRev ST-Coal		97	138	142	129	366	387	371	395	421	420	425	426	422	427	414	415	426	338	137	143	150	140	153	140	144	148	138	142	135	137	137	145	145	136	148	142	145	144	151	123	145	153	136	139	148	129	152	127						
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	0		
SRev CCGT-Gas		625</																																																					