

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,316 MW
Hydro	2,509 MW
Distillate	0 MW
Total TNB	4,825 MW
Total IPP	14,292 MW
Total Co-Gen	57 MW
Total System	19,738 MW

Generation Mix

Type	MWh	Percentage
Gas	28,615	8.23 %
Hydro	31,502	9.06 %
Total TNB	60,117	17.28 %
ST-Coal	171,385	49.27 %
Gas	114,245	32.84 %
Total IPP	285,630	82.11 %
Co-Gen	1,007	0.29 %
Total Co-Gen	1,007	0.29 %
Total Generation	346,754	99.68 %
PLTG	-415	-0.12 %
HVDC	-700	-0.20 %
Interconnection	-1,115	-0.32 %
Net Energy	347,869	100.00 %

Maximum Demand Record

Date: 10/23/2017	17,790 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	17,431 MW
TNB Generation	3,314 MW
IPP Generation	13,028 MW
Spinning Reserve	1,046 MW
Maximum Demand	16,461 MW
Net Energy	347,869 MWH
Load Factor	88.05 %

Fuel Cost

Total Cost:	56,606,162.85 RM
Cost per Unit	17.95 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	687
Hydro	286
Syncon	305
Thermal	58
Total	1,336

Time Weather Temperature

Afternoon	Hot	35
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	13941	13206	12856	12477	12183	12011	11993	12307	12684	14424	15301	16041	16050	15804	16341	16388	16280	15976	14947	14870	15769	15589	15088	14661

Gas Usage

Station	(mmscfd)
GLGR	30
PGPS	4
SRDG	12
TJGS	162
Total TNB	208
CBPS	54
KLPP	101
MPSS	5
NPRI	159
PGLA	107
PLPS	64
PTEK	11
SGRI	152
SKSP	32
YPKA	94
Total IPP	780
Total Gas	988
Total Gas Required	988

Alternate Fuel Usage

Station	(mmscfd)
Total	0

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																									
TMGR	HY02	84	84	84	84	84	84	84	84	84	84	84	84	84	85	84	86	86	87	86	86	86	86	86	86	86	85	57	60	60	60	60	60	60	60	79	81	80	35	36	34	36								
TMGR	HY03	79	79	80	79	80	80	79	30	31	31	31	31	31	31	31	81	81	81	81	81	81	81	81	81	81	81	80	56	60	59	60	60	60	77	78	77	32	33	-1	-1									
TMGR	HY04	81	81	81	81	81	81	81	32	32	32	32	32	32	32	32	83	83	83	83	83	83	83	83	83	83	83	82	83	83	83	83	82	58	0	0	61	61	0	0	0	0	0	0						
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	183	182	130	-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	180	186	119	179	92	94	187	94	93	91	91	95	95	95	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7							
Total Hydro		1112	1307	1496	1488	1300	1157	1031	876	828	829	829	850	851	828	827	829	829	1148	1404	1645	1791	2244	2128	2052	2047	1867	1781	1875	1934	1933	1931	1873	1781	1784	1782	1613	1277	909	847	1390	1447	1346	1092	1008	598	427	333	291	
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		
PCUF	CUFG	32	33	31	32	32	33	33	32	32	32	33	33	31	33	33	33	34	33	32	32	32	32	32	32	32	32	31	31	32	32	32	32	33	32	32	31	32	32	33	32	32	33	32	33	32	32			
PCUF	CUFK	9	9	8	10	10	9	10	7	10	11	9	10	10	9	10	10	9	9	10	11	12	10	8	9	11	9	8	11	10	9	10	10	10	10	9	9	9	9	9	9	9	9	9	11	11	11			
Total Co-Gen		41	42	39	42	42	42	43	39	42	42	43	42	43	43	43	42	42	43	44	43	40	42	43	41	40	43	42	40	41	41	44	43	42	43	42	42	40	41	41	42	41	42	41	44	43	43			
Total Gen		13937	13525	13188	12999	12790	12667	12477	12270	12132	12001	11973	11964	11939	12263	12217	12395	12652	13635	14321	14001	15207	15705	15977	16130	16019	15823	15775	16114	16286	16385	16294	16275	16196	16263	15902	15469	14919	14758	14827	15735	15711	15637	15530	15362	15027	14800	14644	14276	
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	
TIE-HVDC		-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29		
TIE-PLTC		25	19	12	-5	-37	15	29	21	-22	-86	-9	-16	-25	-33	-60	8	-3	-66	-74	-16	25	-8	-36	-34	-2	-21	1	14	-25	-47	-65	-13	-54	-48	-44	-21	1	-23	-14	-52	-29	9	-29	-24	-32	28	12	27	
Interconnection		-4	-11	-18	-34	-66	-14	0	-8	-51	-115	-38	-45	-54	-62	-90	-21	-32	-95	-103	-45	-4	-37	-64	-63	-31	-51	-29	-15	-55	-76	-94	-42	-84	-77	-74	-50	-28	-52	-43	-81	-58	-21	-59	-53	-61	0	-17	-2	
System Total		13941	13536	13206	13033	12856	12681	12477	12278	12183	12116	12011	12009	11993	12325	12307	12416	12684	13730	14424	14946	15301	15742	16041	16193	16050	15874	15804	16129	16341	16461	16388	16317	16280	16340	15976	15519	14947	14810	14870	15816	15769	15658	15589	15415	15088	14800	14661	14278	
SRev ST-Coal		117	85	58	182	172	166	183	180	581	227	190	167	179	173	171	166	185	155	177	121	133	100	139	101	141	99	137	-75	-76	-61	-74	-38	-49	-76	-14	-150	122	50	54	106	115	66	106	140	154	157	124	124	
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	-2	56	115	112	190	178	135	141	174	226	226	221	141	163	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		1204	787	989	1084	1118	809	858	907	1061	981	851	943	1131	922	1121	1133	936	455	711	662	476	560	452	510	614	737	666	443	511	478	696	567	681	689	669	918	978	834	798	566	571	634	597	788	758	737	691	798	
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 Co-Gen		16	15	18	15	15	15	14	18	15	15	14	15	14	16	14	15	14	14	14	15	14	13	14	17	15	14	16	17	14	15	17	16	16	13	14	15	14	15	15	17	16	16	15	16	13	14	14		
Syncon		802	676	374	374	676	827	953	1079	1079	1079	1079	928	928	1079	1079	1079	928	500	313	313	0	187	187	187	187	187	187	187	187	187	187	187	187	187	187	374	525	802	802	374	374	374	525	651	887	988	1074	1074	
Hydro		193	124	237	245	131	123	123	152	200	199	199	329	328	200	201	199	199	181	353	299	253	263	192	268	273	353	289	195	286	287	289	347	289	286	288	270	455	313	250	318	311	329	282	240	314	384	292	271	
S.Reserve Total		2332	1687	1676	1900	2112	1940	2131	2336	2936	2501	2333	2382	2580	2390	2586	2592	2413	1733	1755	1410	1190	937	981	1136	1347	1503	1483	944	1060	1046	1287	1306	1350	1323	1284	1589	2095	2013	1919	1379	1388	1419	1526	1834	2129	2270	2195	2281	