

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,253 MW
Distillate	0 MW
Total TNB	5,055 MW
Total IPP	15,526 MW
Total Co-Gen	40 MW
Total System	21,193 MW

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,860 MW
TNB Generation	3,114 MW
IPP Generation	14,478 MW
Spinning Reserve	1,230 MW
Maximum Demand	17,655 MW
Net Energy	373,796 MWH
Load Factor	88.22 %

Gas Usage

Station	(mmscfd)
GLGR	49
PGPS	39
SRDG	5
TJGS	212
Total TNB	304
CBPS	55
KLPP	102
MPSS	45
NPRI	155
PGLA	110
PLPS	94
PTEK	9
SGRI	177
SKSP	48
YPKA	82
Total IPP	877

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	41,883	11.20 %
Hydro	13,745	3.68 %
Total TNB	55,628	14.88 %
ST-Coal	184,428	49.34 %
Gas	132,452	35.43 %
Total IPP	316,880	84.77 %
Co-Gen	906	0.24 %
Total Co-Gen	906	0.24 %
Total Generation	373,414	99.90 %
PLTG	317	0.08 %
HVDC	-699	-0.19 %
Interconnection	-382	-0.10 %
Net Energy	373,796	100.00 %

Fuel Cost

Total Cost:	67,686,198.04 RM
Cost per Unit	18.82 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	483
Hydro	404
Syncon	699
Thermal	52
Total	1,638

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	15056	14312	13911	13536	13144	12996	13121	13142	13643	15364	16461	17026	17028	16669	17274	17524	17626	17189	16046	16085	16902	16598	16306	15854

Daily MW Generation on Tuesday

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	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3																										
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																										
Total Hydro		187	186	186	189	186	186	184	205	204	183	185	184	183	204	204	181	179	181	185	270	466	653	752	850	733	520	530	848	1011	1066	1078	1140	1144	1120	815	482	477	362	362	865	1047	1064	1051	859	817	1142	1100	977		
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
PCUF	CUFG	23	22	22	23	23	22	24	25	23	24	23	24	24	24	24	25	23	23	22	23	21	22	22	23	23	22	21	22	22	21	21	23	22	23	22	23	22	23	22	23	22	23	22	24	22	22	22			
PCUF	CUFK	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Total Co-Gen		38	37	37	38	38	37	39	40	38	39	38	39	38	39	39	39	39	40	38	38	37	38	36	37	37	38	38	37	38	38	37	38	37	36	36	38	37	38	37	38	37	38	37	39	37	37	37	37		
Total Gen		15032	14731	14284	13998	13870	13670	13475	13249	13110	12994	12926	13024	13130	13329	13062	13071	13674	14732	15363	15885	16465	16844	17025	17238	17033	16774	16691	17037	17266	17630	17547	17616	17665	17559	17258	16613	16088	15801	16059	16946	16870	16990	16633	16620	16307	16118	15830	15418		
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		-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-29	-29	-29	-30	-30	-29	-29	-28	-28	-31	-31	-29	-28	-31	-28	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-28	-28	-28	-28			
TIE-PLTG		5	-37	1	-13	-12	-48	-31	26	-4	-23	-41	-25	37	-48	-51	-26	61	10	28	-27	32	51	30	40	34	18	53	29	22	6	51	27	68	21	98	27	72	-6	2	4	-3	34	65	66	30	-7	4	-12		
Interconnection		-24	-65	-28	-42	-41	-78	-61	-4	-34	-53	-70	-55	9	-77	-80	-55	31	-20	-1	-56	4	23	-1	10	5	-10	22	0	-8	-25	23	-2	39	-8	69	-2	42	-35	-26	-24	-32	6	35	35	1	-35	-24	-40		
System Total		15056	14796	14312	14040	13911	13748	13536	13253	13144	13047	12996	13079	13121	13406	13142	13126	13643	14752	15364	15941	16461	16821	17026	17228	17028	16784	16669	17037	17274	17655	17524	17618	17626	17567	17189	16615	16046	15836	16085	16970	16902	16984	16598	16585	16306	16153	15854	15458		
S.Rev ST-Coal		107	95	185	153	86	63	68	73	72	53	65	79	59	5	44	83	-34	-265	107	72	89	106	91	108	92	-24	60	67	68	84	76	82	78	74	79	69	77	63	88	69	76	96	-58	-25	90	80	96			
S.Rev 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	5	6	10	9	11	10	5	7	131	0	0	0	0	0	0	0	0	0	0	0	0	0		
S.Rev CCGT-Gas		1055	738	870	1052	1174	1306	1496	1624	1761	1876	1945	1835	1713	1740	2062	2290	1718	849	700	525	486	417	319	217	289	351	391	383	308	230	330	308	357	449	447	520	946	1062	817	409	685	576	900	668	908	877	757	1000		
S.Rev 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	
S.Rev Co-Gen		2	3	3	2	2	3	1	0	2	1	2	1	2	2	1	1	1	1	0	2	2	3	2	4	3	3	2	2	3	2	2	3	4	3	3	4	4	2	3	2	3	2	2	3	1	3	3	3		
Syncon		1200	1200	1200	1200	1200	1200	1049	1049	1200	1200	1200	1049	1049	1200	1200	1200	948	948	928	741	615	550	1115	1099	802	489	489	338	489	489	489	863	1020	869	1121	1206	554	741	590	590	777	1014	676	676	676	676				
Hydro		115	116	116	113	116	116	118	248	249	119	117	118	119	249	249	121	123	121	117	284	288	221	309	421	603	251	257	336	486	431	720	577	573	597	528	215	371	151	150	459	227	361	374	377	182	278	270	243		
S.Reserve Total		2479	2152	2374	2520	2578	2688	2883	2994	3133	3249	3317	3219	3113	3099	3366	3656	3125	2137	1752	1866	1796	1658	1477	1348	1553	1812	1725	1588	1359	1230	1483	1464	1515	1621	1922	1969	2259	2413	2239	1512	1725	1605	1962	1767	2080	1924	1786	2018		