

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,099 MW
Hydro	2,110 MW
Distillate	0 MW
Total TNB	4,209 MW
Total IPP	16,092 MW
Total Co-Gen	45 MW
Total System	20,918 MW

Generation Mix

Type	MWh	Percentage
Gas	33,301	8.75 %
Hydro	13,303	3.50 %
Total TNB	46,604	12.25 %
ST-Coal	205,606	54.03 %
Gas	126,645	33.28 %
Total IPP	332,251	87.32 %
Co-Gen	970	0.25 %
Total Co-Gen	970	0.25 %
Total Generation	379,825	99.82 %
PLTG	11	0.00 %
HVDC	-698	-0.18 %
Interconnection	-687	-0.18 %
Net Energy	380,512	100.00 %

Maximum Demand Record

Date: 6/6/2018	18,010 MW
Date: 6/7/2018	382,778 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:00:00 Hour
Total Set On Bus	19,157 MW
TNB Generation	2,614 MW
IPP Generation	15,067 MW
Spinning Reserve	1,437 MW
Maximum Demand	17,750 MW
Net Energy	380,512 MWH
Load Factor	89.32 %

Fuel Cost

Total Cost:	67,991,984.62 RM
Cost per Unit	18.55 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	350
Hydro	578
Syncon	406
Thermal	166
Total	1,500

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
CBPS	44
GLGR	53
PGPS	39
SRDG	4
TJGS	109
Total TNB	248
CBPS	54
KLPP	110
MPSS	46
NPRI	156
PGLA	98
PLPS	97
PTEK	13
SGB3	55
SGRI	91
SKSP	56
YPKA	79
Total IPP	854
Total Gas	1,102
Total Gas Required	1,102

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	15719	14866	14384	13947	13587	13355	13556	13498	13774	15585	16494	17221	17171	16705	17262	17669	17750	17399	16266	15940	17258	17316	16801	16462

Daily MW Generation on Wednesday

[illegible]

Daily MW Generation on Wednesday

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	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	36	36	-1	33	33	33	33	-1	-1	34	34	34	34	34	34	61	61	33	33	33	33	33	32	33	33	33	33	34					
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	96	98	98	93	-1	-1	92	92	90	90	93	94	92	-1	-1	-1	-1	-1	-1	92	117	92	-1	-1	-1	-1	-1			
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
UPIA	HY02	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Total Hydro		265	197	186	187	200	223	189	440	417	415	416	416	441	422	429	428	430	476	453	430	575	673	676	799	801	569	428	665	663	1047	943	915	922	975	755	374	305	299	305	541	969	1016	1011	836	649	558	558	471
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		
PCUF	CUFG	25	26	26	26	25	26	27	27	26	28	28	28	27	26	27	27	26	26	27	25	25	25	24	23	24	23	24	23	23	23	24	24	24	24	25	24	26	26	26	26	26	26	26	26	26	26		
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		
Total Co-Gen		40	41	41	41	40	41	42	42	41	43	43	43	42	41	42	42	41	41	42	40	40	40	39	38	39	38	39	38	38	38	39	39	39	39	39	40	39	41	41	41	41	41	41	41	41	41	41	
Total Gen		15665	15160	14812	14604	14362	14090	13871	13711	13551	13421	13338	13388	13523	13786	13541	13486	13739	14850	15575	15979	16454	16907	17138	17272	17113	16851	16702	16977	17216	17591	17656	17613	17720	17670	17437	16923	16237	15900	15962	16644	17198	17324	17262	17142	16781	16652	16459	16177
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		
TIE-HVDC		-29	-30	-30	-29	-29	-29	-29	-29	-30	-30	-29	-29	-28	-28	-30	-30	-29	-29	-30	-30	-30	-30	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-28	-29	-29	-28	-28	-29	-29	-29		
TIE-PLTG		-25	-42	-25	0	7	-42	-47	-42	-7	-11	13	-39	-3	74	72	21	-5	33	18	-20	-11	-44	-52	-29	-29	-22	27	8	-16	37	17	26	-2	22	67	57	0	-4	51	41	-32	10	-25	15	8	-6	26	-45
Interconnection		-54	-71	-54	-29	-22	-72	-76	-71	-36	-41	-17	-69	-33	46	43	-9	-35	5	-10	-49	-40	-74	-83	-58	-58	-52	-3	-22	-46	7	-13	-3	-30	-7	38	28	-29	-33	22	13	-60	-18	-54	-13	-20	-35	-3	-74
System Total		15719	15231	14866	14633	14384	14162	13947	13782	13587	13462	13355	13457	13556	13740	13498	13495	13774	14845	15585	16028	16494	16981	17221	17330	17171	16903	16705	16999	17262	17584	17669	17616	17750	17677	17399	16895	16266	15933	15940	16631	17258	17342	17316	17155	16801	16687	16462	16251
SRev ST-Coal		168	159	161	161	198	303	363	186	142	128	131	124	150	134	125	124	131	-31	184	173	164	177	159	159	184	170	184	172	163	180	165	155	167	177	164	166	170	164	149	157	155	157	162	168	156	145	148	143
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	92	8	28	14	19	18	17	19	88	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		495	729	869	862	1079	717	702	1098	1289	1433	1514	1471	1334	1067	1329	1757	1474	769	752	533	723	355	144	132	269	312	307	297	258	356	326	360	249	329	403	340	713	1052	921	417	293	212	264	203	366	415	392	376
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	
SRev Co-Gen		5	4	4	4	5	4	3	3	4	2	2	2	3	4	3	3	4	4	3	5	5	5	6	7	6	7	6	7	7	7	6	6	6	6	6	5	6	4	4	4	4	4	4	4	4	4	4	
Syncon		775	1077	1077	1077	1163	1163	1163	911	1062	1062	1062	1062	911	1062	1062	1062	1062	827	978	487	403	403	252	252	523	674	252	252	252	252	252	252	403	590	691	993	993	993	993	403	252	252	439	525	525	525	610	
Hydro		368	110	121	120	106	83	117	218	90	92	91	91	217	85	78	79	77	31	205	77	423	509	506	634	716	577	567	752	754	620	724	752	745	541	474	504	271	277	271	235	627	731	656	644	645	586	586	488
S.Reserve Total		1811	2079	2232	2224	2551	2270	2348	2416	2587	2717	2800	2750	2615	2352	2597	3025	2748	1835	1971	1766	1802	1449	1218	1184	1427	1589	1738	1572	1442	1443	1487	1544	1437	1473	1656	1794	2153	2490	2338	1806	1482	1356	1338	1458	1696	1675	1655	1621