

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,802 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	5,174 MW
Total IPP	15,956 MW
Total Co-Gen	0 MW
Total System	21,702 MW

Generation Mix

Type	MWh	Percentage
Gas	43,124	11.89 %
Hydro	15,144	4.18 %
Total TNB	58,268	16.06 %
ST-Coal	209,441	57.74 %
Gas	93,360	25.74 %
Total IPP	302,801	83.48 %
Co-Gen	799	0.22 %
Total Co-Gen	799	0.22 %
Total Generation	361,868	99.77 %
PLTG	-172	-0.05 %
HVDC	-666	-0.18 %
Interconnection	-838	-0.23 %
Net Energy	362,706	100.00 %

Maximum Demand Record

Date: 4/12/2018	17,997 MW
Date: 4/12/2018	380,797 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	14:30:00 Hour
Total Set On Bus	18,445 MW
TNB Generation	3,237 MW
IPP Generation	13,858 MW
Spinning Reserve	1,312 MW
Maximum Demand	17,165 MW
Net Energy	362,706 MWH
Load Factor	88.04 %

Fuel Cost

Total Cost:	61,710,929.63 RM
Cost per Unit	17.80 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	462
Hydro	530
Syncon	479
Thermal	149
Total	1,620

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Thunder St	32
Morning	Cloudy	26

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	14496	13752	13361	12998	12914	12822	13015	12645	13568	15212	16069	16638	16611	16384	16967	17143	16905	16356	15546	15617	15943	16123	15849	15364

Gas Usage

Station	(mmscfd)
GLGR	55
PGPS	39
TJGS	216
Total TNB	309
CBPS	55
KLPP	73
MPSS	35
PGLA	87
PLPS	92
PTEK	11
SGRI	162
SKSP	51
YPKA	82
Total IPP	648
Total Gas	957

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Total Gas Required 957

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																											
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	69	95	172	93	92	92	91	91	89	93	114	116	114	174	-1	-1	-1	-1	-1	61	-1	-1	93	-1	-1	-1	-1	-1	-1							
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	100	-1	-1	-1	-1	94	92	-1	-1	95	116	119	117	87	94	94	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
UPIA	HY01	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	7	7	7	7	7				
Total Hydro		282	288	290	293	289	526	522	527	525	526	546	522	524	524	473	467	441	540	667	724	923	804	897	1096	1086	777	719	989	1243	1305	1190	1221	1060	1016	738	503	289	290	448	306	465	700	610	554	385	308	305	317			
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		
PCUF	CUFG	1	2	3	2	3	3	2	3	4	3	3	3	4	4	2	2	1	1	2	2	2	2	2	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
PCUF	CUFK	40	28	29	27	27	28	28	27	29	29	30	28	29	29	29	28	28	28	27	31	27	28	28	29	30	29	28	30	29	29	28	28	29	28	28	29	28	30	29	30	29	29	30	29	29	30	29	26	-1	5	28
Total Co-Gen		41	30	32	29	30	31	30	30	33	32	33	31	33	33	31	30	29	29	29	33	29	30	30	31	39	38	37	39	38	38	36	37	38	37	37	38	37	37	39	38	39	38	38	38	37	35	8	14	35		
Total Gen		14420	14014	13666	13428	13357	13054	12922	12855	12816	12968	12751	12834	12953	12922	12642	12791	13635	14523	15157	15621	16037	16524	16606	16754	16579	16375	16352	16666	16934	17133	17111	17021	16876	16857	16326	15933	15517	15499	15650	15633	15914	16137	16094	15991	15820	15607	15335	14908			
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	
TIE-HVDC		-29	-29	-29	-28	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-30	-29	-29	-29	33	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
TIE-PLTG		-47	-33	-57	-57	24	-72	-48	20	-69	4	-42	9	-33	-54	27	21	96	27	-26	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Interconnection		-76	-62	-86	-86	-4	-100	-76	-10	-98	-25	-71	-20	-62	-83	-3	-9	67	-2	-55	-32	-32	-32	-32	-32	-32	-32	-32	-33	-33	-32	-32	-29	-29	-29	-30	-29	-29	-29	33	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29		
System Total		14496	14076	13752	13514	13361	13154	12998	12865	12914	12993	12822	12854	13015	13005	12645	12800	13568	14525	15212	15653	16069	16556	16638	16786	16611	16407	16384	16699	16967	17165	17143	17050	16905	16886	16356	15962	15546	15528	15617	15662	15943	16166	16123	16020	15849	15636	15364	14937			
SRev ST-Coal		82	83	94	83	102	153	133	124	108	130	28	103	126	109	111	319	286	164	213	171	306	284	287	279	189	86	202	199	96	180	85	72	80	93	84	89	84	95	76	87	81	84	86	82	83	88	65	48			
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
SRev CCGT-Gas		836	930	734	890	939	1326	1210	1250	1309	1137	1347	1255	1116	1167	1390	1360	968	577	476	483	519	297	283	389	520	459	347	270	370	346	356	489	477	477	586	567	732	742	767	632	515	524	475	525	524	628	720	991			
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	0	0
SRev Co-Gen		-12	-1	-3	0	-1	-2	-1	-1	-4	-3	-4	-2	-4	-4	-2	-1	0	0	0	-4	0	-1	-1	-2	-10	-9	-8	-10	-9	-9	-7	-8	-9	-8	-8	-9	-8	-10	-9	-10	-9	-9	-9	-8	-6	21	15	-6			
Syncon		1225	1225	1225	1225	1225	1124	1124	1124	1124	1124	973	1124	1124	1124	1124	973	1124	937	448	550	701	701	550	277	277	565	565	277	277	277	277	277	464	464	752	838	939	939	601	788	687	399	586	586	561	561	561	562			
Hydro		124	118	116	113	117	81	85	80	82	81	212	85	83	83	134	215	90	178	540	431	255	374	432	506	516	537	595	713	571	509	624	593	567	611	601	564	427	426	606	561	503	656	559	615	609	561	564	551			
S.Reserve Total		2255	2355	2166	2311	2382	2682	2551	2577	2619	2469	2556	2565	2445	2479	2757	2866	2468	1856	1677	1631	1781	1655	1551	1449	1492	1638	1701	1449	1411	1312	1343	1433	1588	1647	2019	2117	2174	2192	2041	2058	1777	1654	1697	1800	1771	1859	1925	2146			