

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,668 MW
Hydro	2,375 MW
Distillate	0 MW
Total TNB	5,043 MW
Total IPP	13,873 MW
Total Co-Gen	70 MW
Total System	19,550 MW

Generation Mix

Type	MWh	Percentage
Gas	47,494	13.62 %
Hydro	28,716	8.24 %
Total TNB	76,210	21.86 %
ST-Coal	176,402	50.60 %
Gas	94,140	27.01 %
Total IPP	270,542	77.61 %
Co-Gen	1,400	0.40 %
Total Co-Gen	1,400	0.40 %
Total Generation	348,152	99.87 %
PLTG	157	0.05 %
HVDC	-607	-0.17 %
Interconnection	-450	-0.13 %
Net Energy	348,602	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:	16:00:00 Hour
Total Set On Bus	18,255 MW
TNB Generation	4,172 MW
IPP Generation	12,860 MW
Spinning Reserve	1,161 MW
Maximum Demand	17,108 MW
Net Energy	348,602 MWH
Load Factor	84.90 %

Fuel Cost

Total Cost:	58,944,925.88 RM
Cost per Unit	18.45 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	465
Hydro	556
Syncon	168
Thermal	124
Total	1,313

Time Weather Temperature

Afternoon	Sunny	35
Morning	Cloudy	28

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	13003	12288	11918	11581	11305	11152	11536	11764	12572	14601	15485	16187	16173	15902	16514	16885	17108	16611	15489	15751	16414	16266	15718	15242

Gas Usage

Station	(mmscfd)
CBPS	27
GLGR	55
PAKA	2
PGPS	32
SRDG	15
TJGS	214
Total TNB	344
KLPP	110
MPSS	40
NPRI	77
PDPS	11
PGLA	9
PKLG	9
PLPS	86
PTEK	45
SGB3	81
SGRI	80
SKSP	53
YPKA	72
Total IPP	672
Total Gas	1,016
Total Gas Required	1,016

Alternate Fuel Usage

Station	(mmscfd)
Total	0



Daily MW Generation on Monday

Monday, November 13, 2017

Table with columns for Station, Unit, and MW generation from 0000 to 2300. Includes sub-totals for Total ST-Coal, Total ST-Oil, and Total ST-Gas.



Daily MW Generation on Monday

Monday, November 13, 2017

Table with columns for Station, Unit, and hourly generation (0000-2300) for various power plants including SKSP, TJGS, YPKA, and others.

Daily MW Generation on Monday

Monday, November 13, 2017

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																									
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	49	49	49	49	30	30	30	30	0	0	34	49	48	48	48																								
	HY02	0	0	0	0	0	0	0	0	0	0	50	50	50	50	30	30	30	30	30	0	0	51	51	51	51																								
	HY03	0	0	0	0	0	0	0	0	0	0	50	50	50	50	30	30	30	30	30	0	0	51	50	50	50																								
	SYP5	0	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	0	0	25	25	25																								
SYP5	HY02	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	0	0	17	25	25	25																								
	HY03	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	0	0	7	25	25	25																								
	HY04	0	0	0	0	0	0	0	0	0	0	16	16	16	16	16	16	16	16	16	0	0	5	25	25	25																								
	TMGR	52	51	51	52	52	52	52	52	52	52	81	80	80	80	78	80	80	80	80	80	80	80	80	80	81																								
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	85	85	85	85	81	86	85	84	84	80	80	80	80	80	80																								
	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	60	79	79	79	79	79	79	79	79	79	79	79	79	79	79																								
	HY04	0	0	0	0	0	0	0	0	0	0	61	81	80	80	78	80	80	80	80	80	80	80	80	80	80																								
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	101	93	89	184	168	-1	-1	92	98	90	91	93	90	91	-1																								
	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	91	96	94	80	88	80	80	80	80	80	80	80	80	80																								
UJPI	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																								
Total Hydro		466	436	519	590	588	563	528	568	530	578	570	570	570	570	570	570	570	570	570	570	570	570	570	570	570																								
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																								
PCUF	CUF6	6	9	10	11	11	12	15	23	28	29	29	29	29	29	30	30	30	30	30	30	30	30	30	30	30																								
	CUFK	11	30	29	28	28	29	28	32	31	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30																								
Total Co-Cen		17	39	39	39	40	40	47	54	58	59	58	59	59	62	62	62	62	62	62	62	62	62	62	62	62																								
Total Gen		13003	12589	12947	12045	11901	11636	11087	11394	11231	11143	11140	11377	11489	11905	11750	11931	12561	13671	14550	15198	15470	15940	16167	16422	16501	16911	15917	16182	16477	16801	16899	16995	17094	16983	16629	16012	15591	15161	15745	16571	16388	16461	16279	16214	15697	15529	15209	14857	
TIE-EGAT	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																							
	HY02	30	30	30	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29																							
TIE-HVDC	HY01	-30	-21	29	6	12	-7	-64	-19	-45	19	17	38	-18	25	14	69	18	-55	-12	-43	15	-77	8	9	57	38	45	31	-7	-54	42	86	16	82	47	21	41	-60	23	10	3	36	42	-30	7	-9	-4	-34	
	HY02	0	9	59	-23	-17	-38	-94	-48	-74	-9	-12	9	-47	-4	-14	40	-11	-84	-41	-73	-15	-106	-20	28	9	15	2	-37	-83	14	56	-14	53	18	-8	12	-88	-5	-19	-26	7	13	-59	-21	-38	-33	-63		
Interconnection		0	9	59	-23	-17	-38	-94	-48	-74	-9	-12	9	-47	-4	-14	40	-11	-84	-41	-73	-15	-106	-20	28	9	15	2	-37	-83	14	56	-14	53	18	-8	12	-88	-5	-19	-26	7	13	-59	-21	-38	-33	-63		
System Total		13003	12590	12288	12068	11918	11674	11581	11442	11305	11150	11152	11368	11536	11907	11764	11691	12572	13755	14601	15271	15485	16046	16187	16442	16173	16902	15902	16190	16514	16884	16885	16839	17108	16940	16611	16020	15489	15249	15751	16590	16414	16454	16266	16273	15718	15567	15242	14920	
SRev ST-Coal	HY01	251	278	269	275	294	250	53	63	126	141	140	145	141	189	65	262	245	245	223	168	188	118	108	124	115	138	124	119	101	121	115	114	125	108	131	82	100	105	114	103	103	100	99	96	86	98	103		
	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 OCGT-Gas	HY01	431	363	377	603	741	819	1126	1260	1325	1435	1455	1203	803	985	817	719	534	435	452	594	439	317	365	604	528	239	322	228	425	426	562	592	535	344	94	321	363	205	103	87	345	57	257	376					
	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 ST-Gas	HY01	43	21	21	21	21	20	13	6	2	1	2	1	2	1	-2	1	0	2	3	4	5	4	6	8	8	11	9	11	8	11	14	8	9	9	8	9	4	5	5	6	6	6	4	4	3	5	4		
	HY02	1127	1127	1127	976	976	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	825	1127	825	464	338	151	151	151	151	338	338	338	151	0	0	0	0	0	0	187	500	187	374	187	0	187	374	374	374	500	500	374	
Syncon	HY01	73	103	120	200	192	227	111	71	109	75	63	69	105	61	379	63	137	391	265	445	490	600	512	518	566	516	554	563	654	594	610	608	615	526	396	567	520	535	231	545	550	634	632	608	572	271	408		
	HY02	1925	1892	1914	2075	2224	2292	2437	2534	2683	2780	2786	2546	2499	2181	2532	2270	1936	1636	1264	1428	1628	1337	1218	1180	1501	1691	1785	1560	1375	1051	965	1161	1262	1626	1888	1276	1496	1062	930	1408	1335	1517	1352	1869	1246	1345	1265		
S.Reserve Total		1925	1892	1914	2075	2224	2292	2437	2534	2683	2780	2786	2546	2499	2181	2532	2270	1936	1636	1264	1428	1628	1337	1218	1180	1501	1691	1785	1560	1375	1051	965	1161	1262	1626	1888	1276	1496	1062	930	1408	1335	1517	1352	1869	1246	1345	1265		