

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,516 MW
Distillate	0 MW
Total TNB	2,516 MW
Total IPP	16,815 MW
Total Co-Gen	55 MW
Total System	22,465 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,672	2.66 %
Gas	33,451	11.61 %
Total TNB	41,123	14.27 %
ST-Coal	173,432	60.19 %
LSS	1,299	0.45 %
Gas	70,285	24.39 %
Total IPP	245,016	85.03 %
Co-Gen	1,018	0.35 %
Total Co-Gen	1,018	0.35 %
Total Generation	287,157	99.66 %
PLTG	-300	-0.10 %
HVDC	-694	-0.24 %
Interconnection	-994	-0.34 %
Net Energy	288,151	100.00 %

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:	20:30:00 Hour
Total Set On Bus	15,417 MW
TNB Generation	2,263 MW
IPP Generation	11,546 MW
Spinning Reserve	1,566 MW
Maximum Demand	13,879 MW
Net Energy	288,151 MWH
Load Factor	86.51 %

Fuel Cost

Total Cost:	57,127,530.47 RM
Cost per Unit	20.44 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	371
Hydro	359
Syncon	1,005
Thermal	379
Total	2,114

Time	Weather	Temperature
Afternoon	Sunny	33
Morning	Sunny	27

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	3
TJGS	204
Total TNB	236
KLPP	54
NPRI	155
PGLA	72
PLPS	37
SGRI	49
YPKA	34
Total IPP	402
Total Gas	638
Total Gas Required	638

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	13093	12635	12182	11687	11353	11125	11122	11079	10236	10585	11092	11412	11433	11497	11746	11868	12113	12273	12106	12427	13821	13850	13619	13579

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	
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
HTRG	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	
HTRG	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	
KNRG	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
KNRG	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNYR	HY02	59	76	60	64	96	59	60	59	60	60	56	58	74	58	60	57	60	59	58	59	73	69	59	69	58
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
KNYR	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
LPIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
MNOR	HY01	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	7	7	7	4	
PGAU	HY01	-1	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	20	20	
PGAU	HY02	-1	-1	-1	-1	-1	-1	22	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	
PGAU	HY04	21	22	22	21	21	22	22	21	22	21	22	21	22	22	22	22	22	22	22	21	21	21	22	22	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	49	49	49	0	
SIHY	HY02	50	50	50	50	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	0	
SIHY	HY03	51	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	51	51	51	31	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	25	25	25	25	0	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	24	24	24	25	0	
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	17	0	
SYPS	HY04	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	17	0	
TMGR	HY02	34	34	34	34	34	34	32	34	34	34	34	34	34	35	35	35	34	34	35	35	33	35	35	35	
TMGR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TMGR	HY04	-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	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	88	92	-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	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	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
Total Hydro		350	368	302	305	285	198	220	196	223	221	195	198	213	198	200	194	200	198	197	199	214	208	199	209	
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	
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	14	17	20	23	25	26	27	28	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	5	6	7	8	11	12	13	13	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	14	21	27	33	37	40	42	45	40	
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	19	28	37	45	47	50	50	50	42	
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	17	23	29	34	38	42	44	46	46	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	8	32	62	90	115	138	152	165	173	180	177	
PCUF	CUFG	3	4	3	2	2	4	3	3	3	4	5	3	4	4	3	2	4	5	4	3	2	3	4	5	
PCUF	CUFK	39	40	40	40	39	40	40	40	41	41	41	40	38	41	41	41	40	39	39	40	40	39	38	38	
Total Co-Gen		42	44	43	42	41	44	43	43	44	45	46	43	42	46	44	45	44	42	41	44	45	43	41	40	
Total Gen		13010	12845	12584	12364	12139	11921	11633	11454	11298	11141	11060	11008	11090	10959	11032	10544	10206	10424	10530	10777	11044	11338	11363	11474	
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	
TIE-HVDC		-28	-28	-29	-29	-29	-28	-28	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-50	-44	-18	-33	-10	-27	-21	13	-22	-59	-33	-8	0	-49	-14	-4	2	34	-22	-12	-15	4	-15	40	
Interconnection		-79	-72	-47	-62	-39	-56	-50	-15	-52	-89	-62	-37	-29	-78	-43	-33	-26	5	-51	-40	-44	-24	-45	10	
System Total		13093	12921	12635	12430	12182	11981	11687	11473	11353	11233	11125	11048	11122	11041	11079	10581	10236	10423	10585	10821	11092	11366	11412	11468	
SRev ST-Coal		366	369	370	363	384	382	382	381	502	491	499	508	498	595	621	667	774	768	771	773	664	495	498	496	

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																										
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	1	1	0	0	0	0																							
SRev CCGT-Gas		382	173	336	339	521	350	661	584	601	760	815	854	794	818	667	883	843	679	598	398	342	487	461	398	539	586	561	576	510	379	347	294	323	251	228	558	685	1059	824	582	334	249	264	247	327	378	294	321		
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		
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	0	1	1	1	1	-1	5	-1	-2	-24	-11	-1	-3	-11	4	8	-4	2	-1	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		13	11	12	13	14	11	12	12	11	10	9	12	13	9	11	10	11	13	14	11	10	12	14	15	14	14	14	14	15	14	16	15	15	15	14	15	15	13	13	12	13	13	13	14	12	9	11	7		
Syncon		1115	1115	1115	1115	1115	1115	964	1115	964	964	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	1115	964	1115	928	777	1115	1115	1115	1115	1029	691	777	777	964	964	964	964	964	964				
Hydro		300	282	298	295	265	302	431	304	429	431	306	303	288	302	300	306	300	302	303	301	286	292	301	291	303	308	304	297	300	302	302	469	304	398	523	297	335	305	302	250	506	456	457	364	364	363	362	366		
S.Reserve Total		2176	1950	2131	2125	2299	2160	2450	2396	2507	2656	2744	2792	2708	2839	2714	2981	3045	2878	2803	2598	2417	2402	2390	2316	2468	2509	2510	2411	2314	2170	2146	2118	2117	1940	1901	2353	2504	2830	2599	1945	1684	1570	1594	1683	1768	1805	1722	1764		