

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,523 MW
Hydro	1,701 MW
Distillate	0 MW
Total TNB	8,304 MW
Total IPP	10,331 MW
Total Co-Gen	0 MW
Total System	18,635 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	67,505	19.96 %
Gas	56,814	16.80 %
Hydro	11,143	3.29 %
Total TNB	135,462	40.05 %
ST-Coal	79,278	23.44 %
ST-Gas	5,582	1.65 %
Gas	115,366	34.11 %
Total IPP	200,226	59.20 %
Co-Gen	1,785	0.53 %
Total Co-Gen	1,785	0.53 %
Total Generation	337,473	99.78 %
PLTG	-48	-0.01 %
HVDC	-700	-0.21 %
Interconnection	-748	-0.22 %
Net Energy	338,221	100.00 %

Maximum Demand Record

Date: 6/11/2014	16,901 MW
Date: 6/24/2014	355,911 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	17,573 MW
TNB Generation	6,628 MW
IPP Generation	9,705 MW
Spinning Reserve	1,168 MW
Maximum Demand	16,406 MW
Net Energy	338,221 MWH
Load Factor	85.90 %

Fuel Cost

Total Cost:	57,999,555.46 RM
Cost per Unit	17.77 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	378
Hydro	504
Syncon	303
Thermal	99
Total	1,284

Time	Weather	Temperature
Afternoon	Hot	33
Morning	Cloudy	27

Gas Usage

Station	(mmscfd)
CBPS	2
CBPS	28
GLGR	13
PAKA	185
PGPS	43
SRDG	51
TJGS	132
Total TNB	454
KLPP	101
MPSS	59
PDPS	37
PGLA	112
PKLG	24
PLPS	98
PTEK	31
SGB3	70
SGRI	205
SKSP	54
YPGS	68
YPKA	68
PKLG	54
Total IPP	981
Total Gas	1,434
Total Gas Required	1,434

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	13258	12535	12154	11811	11488	11385	11818	11595	12206	13968	14979	15709	15698	15387	16019	16406	16369	15900	14778	14561	15360	15309	14653	14184

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	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
CEND	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	
KNRG	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23	23	23	23	23	23	23	23
KNRG	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	25	25	25
KNRG	HY03	24	24	24	25	24	25	25	25	25	24	25	26	25	25	24	25	24	21	22	22	22	21	22	22	22
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	52	59	67	60	67	68	59	85	63	58
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	100	101	101	101	98	101	101	99	101	
KNYR	HY04	59	57	55	69	57	60	61	62	61	65	61	62	101	102	60	71	61	64	53	63	73	62	63	73	
LPIA	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	
LPIA	HY02	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
MNOR	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	
PGAU	HY01	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	20	21	21	21	21	21	21	21	
PGAU	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	
PGAU	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	
PGAU	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	
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	30	30	50	
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	30	30	50	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	50	50	50	50	30	30	50	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25	
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25	
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	24	24	24	24	24	24	24	24	
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	25	25	25	25	25	25	25	25	
TMGR	HY01	30	29	27	34	28	34	33	35	32	33	33	35	38	40	33	35	32	32	26	51	56	55	57	55	
TMGR	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	
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	
UPIA	HY01	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
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		192	169	165	187	168	178	181	220	183	177	181	224	227	177	190	176	202	329	571	662	773	806	857	823	
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	
PCUF	CUFG	44	44	44	46	45	46	45	47	46	46	46	46	46	46	45	45	44	44	44	43	44	44	43	43	
PCUF	CUFK	30	30	30	30	29	26	30	31	28	31	29	32	30	31	33	30	29	30	29	31	30	31	30	29	
Total Co-Gen		74	74	74	76	74	72	76	76	75	77	75	78	76	77	79	77	75	74	76	74	75	73	73	74	
Total Gen		13177	12886	12518	12305	12114	11932	11775	11595	11475	11408	11354	11514	11768	11883	11850	11561	12225	13227	13976	14590	14936	15328	15669	15852	
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		-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	
TIE-PLTG		-52	-39	12	-47	-11	15	-7	-72	16	-46	-2	-11	-21	-19	-16	-6	48	-21	38	24	-14	-5	-10		
Interconnection		-81	-68	-17	-77	-40	-14	-36	-101	-13	-75	-31	-40	-50	-48	-45	-35	19	-50	8	-5	-43	-35	-40		
System Total		13258	12954	12535	12382	12154	11946	11811	11696	11488	11483	11385	11554	11818	11931	11595	11596	12206	13277	13968	14595	14979	15363	15709		
SRev ST-Coal		100	92	117	82	98	96	81	78	77	83	74	67	75	52	80	72	87	91	31	53	94	90	92		
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	
SRev CCGT-Gas		436	443	714	974	1128	1320	1496	1682	1841	1867	1922	1776	1615	1527	1794	1802	1496	754	464	421	297	303	197		
SRev ST-Gas		1	42	38	37	37	37	37	37	37	37	37	37	37	37	41	13	2	6	-2	4	-2	2	-1		
SRev Co-Gen		-30	-30	-30	-32	-30	-28	-32	-32	-31	-33	-31	-34	-32	-33	-35	-33	-31	-31	-30	-32	-30	-31	-29		
Syncon		726	726	726	726	726	726	726	424	575	726	726	726	726	726	575	474	302	302	302	151	302	302	302		
Hydro		254	127	131	109	128	118	115	378	114	119	115	72	69	119	106	120	245	319	523	532	571	689	493		
S.Reserve Total		1487	1400	1696	1896	2087	2269	2426	2606	2726	2793	2847	2687	2493	2378	2721	2710	2435	1675	1271	1332	1232	1421	1185		