

Availability at Daily Maximum Demand Hour

ST-Coal	3,080 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	4,323 MW
Hydro	1,752 MW
Distillate	0 MW
Total TNB	9,155 MW
Total IPP	10,108 MW
Total Co-Gen	0 MW
Total System	19,827 MW

Generation Mix

Type	MWh	Percentage
ST-Coal	63,270	18.42 %
Gas	74,252	21.62 %
Hydro	12,253	3.57 %
Total TNB	149,775	43.61 %
ST-Coal	82,985	24.16 %
Gas	108,293	31.53 %
Total IPP	191,278	55.69 %
Co-Gen	1,021	0.30 %
Total Co-Gen	1,021	0.30 %
Total Generation	342,074	99.60 %
PLTG	-572	-0.17 %
HVDC	-814	-0.24 %
Interconnection	-1,386	-0.40 %
Net Energy	343,460	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:	14:30:00 Hour
Total Set On Bus	17,493 MW
TNB Generation	7,200 MW
IPP Generation	9,089 MW
Spinning Reserve	1,165 MW
Maximum Demand	16,407 MW
Net Energy	343,460 MWH
Load Factor	87.22 %

Fuel Cost

Total Cost:	58,247,111.51 RM
Cost per Unit	17.69 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	372
Hydro	275
Syncon	523
Thermal	46
Total	1,216

Time Weather Temperature

Afternoon	Hot	34
Morning	Cloudy	28

Gas Usage

Station	(mmscfd)
CBPS	46
GLGR	55
PAKA	190
PGPS	42
SRDG	28
TJGS	215
Total TNB	575
KLPP	100
MPSS	52
PDPS	16
PGLA	110
PKLG	14
PLPS	97
PTEK	14
SGB3	60
SGRI	195
YPGS	64
YPKA	137
Total IPP	859
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	13721	12923	12547	12148	11921	11716	11756	11753	12511	14346	15391	16102	16014	15700	16086	16389	16332	15913	14737	14472	15418	15258	14702	14433

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																													
KNYR	HY01	59	56	57	92	58	58	57	55	53	52	52	52	58	59	57	65	68	64	67	97	99	99	99	91	99	100	99	59	99	94	61	60	99	60	61	73	56	58	99	77	99	61	61	59	100	101	64						
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	61	68	65	67	65	64	-1	66	58	64	65	58	59	63	59	60	69	95	57	101	101	101	100	100	69	-1	-1	-1						
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	101	100	100	100	100	100	101	100	99	100	100	99	99	100	99	100	0	95	97	100	100	100	100	0	0	0	0	0	0				
LPIA	HY01	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	14	7	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			
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	10	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18			
PNOR	HY01	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	7	7	5	5	5	5	5	5	7	7	7	7	7	7	7	7	7	7	6	6	5	5	7	7	7	7	4	4	4	4	4			
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	22	21	114	84	114	21	21	21	21	21	86	84	21	21	21	21	21	21	86	84	20	20	85	84	0	0	0	0	0	0	0	0	0	
PGAU	HY02	-1	-1	-1	-1	-1	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	-1	-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	0	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	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		
SIHY	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	0	0		
SIHY	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	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	
SYPS	HY01	25	25	25	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		
SYPS	HY02	25	25	25	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	
SYPS	HY04	25	25	25	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	
TMGR	HY01	30	31	29	32	30	30	29	28	26	26	25	25	31	32	31	36	35	36	37	36	82	65	61	60	40	39	41	54	64	62	59	58	-1	-1	-1	-1	27	28	38	62	66	35	35	36	45	42	38						
TMGR	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	-1	-1	-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	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	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	
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	-1	-1	-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	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	
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	4	4	4	4	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		270	269	267	230	193	214	194	192	187	184	181	181	182	216	196	193	207	208	389	403	648	1090	1020	1077	874	523	467	593	873	868	823	753	752	741	618	620	510	716	526	835	1002	1029	812	715	386	313	289	248					
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	0	0	0	0
PCUF	CUPG	37	36	36	35	35	37	37	37	37	36	36	37	37	36	37	35	34	34	33	32	32	31	32	32	31	31	32	32	31	32	31	32	31	32	32	33	33	33	33	33	33	33	33	33	33	33	33	32	33	34			
PCUF	CUFK	9	9	9	9	10	8	10	10	10	9	10	9	9	9	9	9	9	9	9	9	5	5	8	7	8	5	7	7	8	8	8	7	9	10	10	9	9	9	9	10	9	8	10	9	8	9							
Total Co-Gen		46	45	45	44	45	45	48	47	47	46	46	45	46	45	46	45	43	43	42	41	41	36	37	40	38	39	37	39	38	40	39	40	39	42	43	43	42	42	42	42	43	42	41	43	41	41	41	43					
Total Gen		13637	13234	12882	12763	12445	12321	12050	11975	11875	11765	11702	11686	11747	11802	11791	11815	12462	13528	14321	14791	15348	15762	16015	16220	15991	15676	15627	15791	16084	16328	16307	16317	16274	16148	15889	15350	14281	14403	14448	15140	15382	15432	15199	15065	14683	14623	14415	13989					
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	0	0	
TIE-HVDC		-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-30	-30	-30	-29	-255	-28	-28	-29	-29	-29	-29	-29	-29	-29	-30	-30	-29						
TIE-PLTG		-55	-43	-12	-43	-73	-83	-69	-59	-17	-6	15	1	20	-19	67	8	-20	-6	4	-15	-14	1	-58	-13	6	4	-44	-54	27	-49	-52	-48	-28	-13	6	-14	-200	-1	4	-81	-7	-24	-30	-15	10	0	12	-65					
Interconnection		-84	-73	-41	-72	-102	-112	-98	-88	-46	-35	-14	-28	-9	-48	38	-21	-49	-35	-25	-44	-43	-28	-87	-43	-25	-73	-83	-2	-79	-82	-78	-58	-43	-24	-43	-456	-30	-24	-109	-36	-53	-59	-43	-19	-30	-18	-93						
System Total		13721	13307	12923	12835	12547	12433	12148	12063	11921	11800	11716	11714	11756	11850	11753	11836	12511	13563	14346	14835	15391	15790	16102	16263	16014	15701	15700	15874	16086	16407	16389	16395	16332	16191	15913	15393	14737	14433	14472	15249	15418	15485	15258	15108	14702	14653	14433	14082					
SRev ST-Coal		99	150	166	129	136	130	142	132	154	140	176	189	153	146	139	139	79	51	-5	28	50	23	34	112	103	99	88	-3	66	44	32	48	57	35	50	57	-4	77	44	32	58	42	32	49	33	4	46	3					