

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,139 MW
Hydro	2,419 MW
Distillate	0 MW
Total TNB	5,558 MW
Total IPP	14,627 MW
Total Co-Gen	90 MW
Total System	20,839 MW

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	218

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	15,948 MW
TNB Generation	2,411 MW
IPP Generation	11,352 MW
Spinning Reserve	2,108 MW
Maximum Demand	13,911 MW
Net Energy	295,007 MWH
Load Factor	88.36 %

Total TNB

Total TNB	247
KLPP	70
NPRI	143
PGLA	111
PLPS	78
SGRI	164
SKSP	47

Total IPP

Total IPP	612
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Total Gas

Total Gas	859
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Total Gas Required

Total Gas Required	859
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Generation Mix

Type	MWh	Percentage
Gas	35,724	12.11 %
Hydro	17,440	5.91 %
Total TNB	53,164	18.02 %
ST-Coal	156,766	53.14 %
Gas	82,566	27.99 %
Total IPP	239,332	81.13 %
Co-Gen	1,826	0.62 %
Total Co-Gen	1,826	0.62 %
Total Generation	294,322	99.77 %
PLTG	-235	-0.08 %
HVDC	-450	-0.15 %
Interconnection	-685	-0.23 %
Net Energy	295,007	100.00 %

Fuel Cost

Total Cost:	47,000,036.60 RM
Cost per Unit	16.97 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	617
Hydro	452
Syncon	765
Thermal	426
Total	2,260

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	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	13133	12619	12131	11711	11543	11125	11318	11104	10665	11138	11905	12370	12446	12329	12619	12618	12544	12356	12124	12374	13814	13869	13645	13175

Daily MW Generation on Sunday

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	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	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
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	HY01	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
KNYR	HY01	106	106	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	106	104	105	106	106	106
KNYR	HY02	105	106	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	104	104	106	106	106	106
KNYR	HY03	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	105	105	106	106	106	106
KNYR	HY04	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	106	106	107	108	108	107
LPIA	HY01	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	10	10	10	10	10	10
LPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
MNOR	HY01	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6
PGAU	HY01	21	21	-1	-1	-1	-1	-1	-1	120	86	86	-1	-1	-1	21	20	20	19	21	19	21	21	21	21
PGAU	HY02	0	0	0	0	19	74	107	137	152	0	0	0	0	0	0	0	0	0	21	21	21	21	21	
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	113	22	-1	-1	-1	-1	22	22	21	22	20	21	22	22	22	22
PGAU	HY04	0	0	81	20	20	20	20	20	0	0	0	0	0	0	20	20	20	20	20	20	20	20	20	20
SIHY	HY01	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50	50	50	50	50
SIHY	HY02	50	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIHY	HY03	49	49	50	50	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	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25
SYPS	HY02	25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25
SYPS	HY03	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25
SYPS	HY04	25	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25	25	25	25	25
TMGR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	35	35	35	35	35	35	35	35	33	33	33	33
TMGR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	34	35	35	34	32	35	32	34	35	34	36	35
TMGR	HY04	35	36	35	35	33	33	34	35	34	34	35	36	36	35	34	34	35	33	32	34	33	34	33	36
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
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		819	821	728	666	564	583	639	673	702	716	870	656	636	548	547	544	545	546	661	681	682	674	659	665
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	45	46	46	48	48	47	46	46	48	48	47	46	46	47	45	45	44	43	43	44	42	41	42	42
PCUF	CUFK	32	31	31	32	32	31	33	32	30	34	31	32	33	32	33	30	31	31	31	30	32	32	33	31
Total Co-Gen		77	77	77	80	80	78	79	78	82	78	79	79	78	81	77	75	76	75	74	76	77	74	73	73
Total Gen		13085	12792	12588	12375	12076	11854	11609	11464	11493	11204	11108	11163	11244	11377	11090	10810	10611	10933	11163	11534	11894	12074	12371	12493
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	0	0	0	0	0	0	0	0	0	0	0
TIE-PLTG		-19	-53	-3	38	-26	-35	-73	-87	-22	-70	12	-10	-46	19	15	-8	-25	30	54	37	-11	-17	1	
Interconnection		-48	-82	-31	9	-55	-64	-102	-117	-50	-98	-17	-39	-74	-10	-14	-37	-54	1	25	37	-11	-17	1	
System Total		13133	12874	12619	12366	12131	11918	11711	11581	11543	11302	11125	11202	11318	11387	11104	10847	10665	10932	11138	11497	11905	12091	12370	12528
SRev ST-Coal		450	592	609	649	697	694	748	598	594	589	530	526	535	592	596	593	594	598	603	596	602	488	482	485
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		307	289	254	315	321	457	533	643	638	699	482	431	316	495	803	1154	1335	1086	1071	840	700	904	788	681
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
SRev Co-Gen		13	13	13	10	10	12	11	12	12	8	12	11	11	12	11	12	9	13	15	14	15	16	14	13
Syncon		950	950	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101

Daily MW Generation on Sunday

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																								
Hydro		178	176	118	180	182	313	257	223	194	180	215	242	111	48	49	52	51	50	410	540	541	542	557	551	585	551	549	550	544	547	577	552	553	580	579	595	617	339	252	286	409	194	182	183	157	164	162	162
S.Reserve Total		1898	2020	2095	2255	2311	2577	2650	2577	2539	2577	1851	2009	1923	2248	2560	2912	3090	2848	2725	2616	2484	2576	2467	2356	2419	2482	2501	2376	2233	2128	2301	2218	2306	2469	2541	2880	2997	3277	3025	2172	2120	2108	2092	2142	2182	2262	2371	2378