

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	2,668 MW
Hydro	1,833 MW
Distillate	0 MW
Total TNB	4,501 MW
Total IPP	16,053 MW
Total Co-Gen	0 MW
Total System	20,976 MW

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:	21:00:00 Hour
Total Set On Bus	15,866 MW
TNB Generation	2,921 MW
IPP Generation	11,666 MW
Spinning Reserve	1,241 MW
Maximum Demand	14,665 MW
Net Energy	309,183 MWH
Load Factor	87.85 %

Gas Usage

Station	(mmscfd)
GLGR	55
SRDG	4
TJGS	211
Total TNB	270
CBPS	55
NPRI	147
PGLA	89
PKLG	1
PLPS	53
PTEK	15
Total IPP	360
Total Gas	630
Total Gas Required	630

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	37,798	12.23 %
Hydro	17,897	5.79 %
Total TNB	55,695	18.01 %
ST-Coal	200,399	64.82 %
Gas	51,042	16.51 %
Total IPP	251,441	81.32 %
Co-Gen	778	0.25 %
Total Co-Gen	778	0.25 %
Total Generation	307,914	99.59 %
PLTG	-572	-0.19 %
HVDC	-697	-0.23 %
Interconnection	-1,269	-0.41 %
Net Energy	309,183	100.00 %

Fuel Cost

Total Cost:	47,396,987.75 RM
Cost per Unit	16.34 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	231
Hydro	79
Syncon	670
Thermal	313
Total	1,293

Time Weather Temperature

Afternoon	Hot	32
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	13380	12788	12366	11973	11663	11481	11462	11214	11045	11671	12422	13059	13213	13179	13455	13546	13655	13255	12933	13327	14534	14665	14512	14205

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	HY04	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	HY01	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNRG	HY02	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
KNYR	HY01	98	97	92	92	98	95	98	96	97	96	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY02	94	90	89	101	99	77	100	99	87	101	102	79	100	100	101	71	101	103	100	100	103	101	97	90
KNYR	HY03	99	99	98	99	99	96	99	98	99	99	99	99	99	99	99	99	96	96	96	96	96	96	96	96
KNYR	HY04	100	99	99	100	100	97	100	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
LPIA	HY01	21	21	20	21	21	20	20	21	21	20	21	14	14	14	14	14	14	14	14	14	14	14	14	14
LPIA	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
MNOR	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
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
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
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
SYPS	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
SYPS	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
SYPS	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	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
TMGR	HY02	64	35	33	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY03	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
TMGR	HY04	61	-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	-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	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6
UPIA	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
Total Hydro		754	621	611	573	578	545	577	573	564	576	580	547	572	571	572	514	574	580	571	572	685	1044	957	952
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	CUFK	31	32	34	31	34	34	32	32	34	37	33	35	35	36	37	35	37	35	34	33	32	31	26	28
Total Co-Gen		31	32	34	31	34	34	32	32	34	37	33	35	35	36	37	35	37	35	34	33	32	31	26	28
Total Gen		13270	13022	12716	12472	12300	11996	11952	11812	11612	11508	11432	11307	11390	11469	11206	10761	11040	11301	11649	11929	12346	12826	13038	13038
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	-30	-30	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
TIE-PLTG		-82	-33	-42	-32	-37	-71	9	-21	-23	-31	-21	11	-43	-43	20	-8	24	-64	8	-16	-47	-18	7	
Interconnection		-110	-63	-72	-61	-66	-101	-21	-50	-51	-60	-49	-18	-72	-72	-8	-37	-5	-94	-22	-45	-76	-46	-21	
System Total		13380	13085	12788	12533	12366	12097	11973	11862	11663	11568	11481	11325	11462	11541	11214	10798	11045	11395	11671	11974	12422	12872	13069	
SRev ST-Coal		304	301	303	449	463	464	455	466	453	463	445	439	460	459	453	453	451	422	462	448	456	456	353	
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	
SRev CCGT-Gas		553	394	690	497	439	616	302	324	536	646	738	842	761	681	950	1341	1124	897	499	458	235	347	400	
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	
SRev Co-Gen		-1	-2	-4	-1	-4	-4	-2	-2	-4	-7	-3	-5	-5	-6	-7	-5	-7	-5	-4	-3	-2	-1	4	
Syncon		626	710	710	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798	798
Hydro		103	152	162	64	59	92	60	64	73	61	57	90	65	66	65	123	63	57	66	65	127	14	22	
S.Reserve Total		1585	1555	1861	1807	1755	1966	1613	1650	1856	1961	2035	2164	2079	1998	2259	2710	2429	2169	1821	1766	1614	1442	1489	