

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,325 MW
Distillate	0 MW
Total TNB	2,325 MW
Total IPP	17,599 MW
Total Co-Gen	0 MW
Total System	23,080 MW

Generation Mix

Type	MWh	Percentage
Hydro	9,622	2.48 %
Gas	47,095	12.13 %
Total TNB	56,717	14.61 %
ST-Coal	237,292	61.14 %
LSS	6,233	1.61 %
Gas	88,888	22.90 %
Total IPP	332,413	85.65 %
Co-Gen	-823	-0.21 %
Total Co-Gen	-823	-0.21 %
Total Generation	388,307	100.05 %
PLTG	-48	-0.01 %
HVDC	230	0.06 %
Interconnection	182	0.05 %
Net Energy	388,125	100.00 %

Maximum Demand Record

Date: 5/11/2023	19,716 MW
Date: 5/11/2023	416,902 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,788 MW
TNB Generation	3,293 MW
IPP Generation	15,204 MW
Spinning Reserve	1,324 MW
Maximum Demand	18,453 MW
Net Energy	388,125 MWH
Load Factor	87.64 %

Fuel Cost

Total Cost:	100,890,449.62 RM
Cost per Unit	25.91 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	432
Hydro	425
Syncon	731
Thermal	179
Total	1,767

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	24

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	169
Total TNB	218
CBPS	50
EMPP	197
NPRI	161
PCGP	89
PLPS	55
SKSP	27
SPGP	105
Total IPP	683
Total Gas	901
Total Gas Required	901

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	15712	14938	14366	13856	13290	13095	13304	13355	14055	15799	16662	17144	17064	16921	17607	18070	18390	18172	17038	16948	18146	18250	17769	17420

Daily MW Generation on Monday

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
HTRG	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY03	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
KNYR	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	99	99	-1	-1	-1	-1	100	98
KNYR	HY02	58	57	77	60	62	86	59	61	63	60	60	61	60	60	60	61	60	60	61	100	92	100	62	59
KNYR	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
LPIA	HY01	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	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	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	18	15	19	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1
PGAU	HY04	-1	-1	-1	19	-1	-1	-1	-1	19	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	21	20	20	-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
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	10	17	17	17	17	17	17	17	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17
SYPS	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
TMGR	HY01	-1	-1	-1	-1	-1	-1	12	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	84	84	
TMGR	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
TMGR	HY04	32	30	32	32	33	32	32	36	36	35	34	35	41	42	40	41	39	45	41	41	41	41	35	41
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	93	93	
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	185	186	
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Total Hydro		201	195	223	204	187	214	203	187	214	212	178	178	176	204	182	203	183	182	208	227	239	419	412	
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	0	1	3	6	10	14	16	19	22	22	24
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	8	8	9	14	19	23	22	19
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	11	14	12	12	23	25	31	21
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	15	25	17	30	30	36	27	43
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	6	11	10	15	27	30	40
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	6	6	7	11	18	15	17
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	13	24	24	29	33	36	18
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	12	9	14	25	23	21	19
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	11	17	24	26	34	39	37	47
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	21	35	47	39	39	73	66	43	90
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	16	16	17	26	21	36	38
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	7	12	14	20	23	22	23
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	14	39	50	50	53	88	77
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4	11	14	15	19	30	28
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	21	13	24	26	29	29	29	29
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	5	8	25	14	17	23	47	35
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	49	20	45	83	87	42	86	72	52
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	28	49	60	32	87	61	83	98	82
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	15	17	21	24	41	36	24	48
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	7	10	12	23	21	30	31
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	7	8	8	10	11	21	12	17

