

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,537 MW
Distillate	0 MW
Total TNB	2,537 MW
Total IPP	13,345 MW
Total Co-Gen	0 MW
Total System	19,884 MW

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:	19:30:00 Hour
Total Set On Bus	16,768 MW
TNB Generation	4,506 MW
IPP Generation	11,088 MW
Spinning Reserve	1,155 MW
Maximum Demand	15,624 MW
Net Energy	338,843 MWH
Load Factor	90.36 %

Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	32	Total	0
TJGS	158		
Total TNB	190		
CBPS	40		
EMPP	133		
KLPP	52		
PCGP	75		
PLPS	78		
SGRI	54		
SKSP	4		
SPGP	177		
Total IPP	613		
Total Gas	803		
Total Gas Required	803		

Alternate Fuel Usage

Generation Mix

Type	MWh	Percentage
Hydro	36,976	10.91 %
Gas	54,321	16.03 %
Total TNB	91,297	26.94 %
ST-Coal	180,855	53.37 %
LSS	4,722	1.39 %
Gas	61,091	18.03 %
Total IPP	246,668	72.80 %
Co-Gen	230	0.07 %
Total Co-Gen	230	0.07 %
Total Generation	338,195	99.81 %
PLTG	52	0.02 %
HVDC	-700	-0.21 %
Interconnection	-648	-0.19 %
Net Energy	338,843	100.00 %

Fuel Cost

Total Cost:	76,140,978.54 RM
Cost per Unit	22.47 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	1,428
Hydro	175
Syncon	471
Thermal	221
Total	2,295

Time Weather Temperature

Time	Weather	Temperature
Afternoon	Rainy	28
Morning	Rainy	26

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	14798	14224	13894	13418	13086	12849	12813	12802	12335	13244	13989	14529	14281	13984	14292	14650	14746	14642	14482	14908	15570	15405	14945	14766

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, January 3, 2024 11:59:20 AM

(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Saturday

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
BSIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
BSIA	HY03	21	22	21	22	21	22	22	22	22	22	22	22	22	22	22	22	21	21	22	22	22	22	21	21
CEND	HY01	9	9	9	9	9	9	9	9	9	0	0	0	0	9	9	9	9	9	9	9	9	9	9	9
CEND	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
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
CEND	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
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
HTRG	HY03	8	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
HTRG	HY04	3	3	3	4	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3
KNRG	HY01	36	36	36	36	36	36	36	36	36	36	36	36	36	37	37	37	36	37	37	36	37	37	37	37
KNRG	HY02	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	37	37	36	37	37	37	37
KNRG	HY03	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
KNYR	HY01	104	104	105	105	105	105	105	104	105	105	105	105	105	105	105	105	105	105	106	105	105	105	104	105
KNYR	HY02	101	100	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	102	101	102	101	102	101	102
KNYR	HY03	104	104	105	105	105	105	105	104	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
KNYR	HY04	105	105	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
LPIA	HY01	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
LPIA	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
PGAU	HY02	147	147	147	147	147	147	147	147	147	147	148	148	148	147	147	147	147	147	147	147	147	147	147	148
PGAU	HY03	149	149	149	149	149	150	149	149	149	150	150	150	150	150	150	150	149	150	150	150	150	150	150	150
PGAU	HY04	152	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	151	152
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
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	78	80	81	81	80	81	81	81	81	82	82	82	82	80	80	85	85	85	85	85	85	85	85	85
TMGR	HY02	85	87	88	87	87	89	88	89	89	89	89	89	89	89	89	89	90	90	90	90	88	90	90	90
TMGR	HY03	80	81	81	81	82	82	82	84	84	83	84	82	83	82	84	82	83	84	82	84	80	80	80	80
TMGR	HY04	80	82	81	82	81	82	82	83	83	83	83	83	81	82	84	84	84	84	84	84	83	85	84	84
UJLI	HY01	86	90	89	90	89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	100	101	97	94
UJLI	HY02	88	93	93	94	91	94	94	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	96	90	93	-1
UPIA	HY01	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
UPIA	HY02	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Hydro		1783	1797	1800	1803	1797	1715	1713	1716	1615	1621	1622	1622	1614	1610	1610	1390	1292	1406	1407	1411	1418	1484	1482	1484
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	0	0	0	0	0	0	0	0	0	0
BELS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

