

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,335 MW
Distillate	0 MW
Total TNB	2,335 MW
Total IPP	16,141 MW
Total Co-Gen	0 MW
Total System	21,110 MW

Generation Mix

Type	MWh	Percentage
Hydro	16,272	4.69 %
Gas	45,589	13.13 %
Total TNB	61,861	17.81 %
ST-Coal	172,189	49.58 %
LSS	5,821	1.68 %
Gas	105,462	30.36 %
Total IPP	283,472	81.62 %
Co-Gen	1,245	0.36 %
Total Co-Gen	1,245	0.36 %
Total Generation	346,578	99.79 %
PLTG	34	0.01 %
HVDC	-771	-0.22 %
Interconnection	-737	-0.21 %
Net Energy	347,315	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:00:00 Hour
Total Set On Bus	17,194 MW
TNB Generation	3,711 MW
IPP Generation	12,410 MW
Spinning Reserve	1,021 MW
Maximum Demand	16,150 MW
Net Energy	347,315 MWH
Load Factor	89.61 %

Fuel Cost

Total Cost:	108,742,786.84 RM
Cost per Unit	31.37 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	418
Hydro	561
Syncon	737
Thermal	420
Total	2,136

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	15101	14449	14057	13677	13166	12938	12978	12810	12663	13626	14124	14506	14524	14368	14808	15180	15447	15290	14971	15142	16150	16000	15512	15142

Prepared By: -Select Name-

Checked By: -Select Name-

(Ir. Shanmugam Thoppalan)
Printed on: Thursday, March 2, 2023 10:03:53 AM 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
KNRG	HY02	36	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY03	37	24	24	24	24	24	24	24	24	24	24	24	21	21	21	21	21	21	21	21	21	21	21	21
KNYR	HY01	100	99	99	-1	-1	-1	-1	-1	-1	-1	-1	-1	101	100	100	100	100	99	99	100	100	60	61	100
KNYR	HY02	73	101	61	102	102	100	101	102	101	88	70	62	73	99	61	63	60	73	99	72	99	99	61	62
KNYR	HY03	97	97	97	55	55	54	55	55	55	54	54	54	54	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
KNYR	HY04	-1	-1	-1	62	61	61	61	62	61	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
LPIA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17
LPIA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17
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	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY02	20	20	20	20	20	20	20	20	20	20	20	20	20	21	22	21	21	21	21	21	21	21	21	21
PGAU	HY03	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	21	21	21	21	21	21
PGAU	HY04	23	23	23	23	23	23	23	23	23	23	23	23	23	22	22	21	21	21	21	21	21	21	21	21
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	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	85	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
TMGR	HY02	85	85	85	-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
TMGR	HY04	85	85	85	85	85	85	85	85	85	85	85	85	30	32	85	44	40	40	38	39	40	62	41	42
UJLI	HY01	-1	-1	-1	-1	-1	-1	94	92	88	86	86	88	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	90	-1	-1	-1	-1	-1	96	94	90	89	87	91	-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	7	7	7	7	7	7	7	7	7	7	7	7	7
Total Hydro		1026	786	680	484	483	480	482	676	670	647	626	616	633	478	428	400	397	512	505	469	550	548	425	364
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	1	4	7	10	21	10	19	24	25	26	26
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	12	15	18	22	20	30	29	24	29
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	7	15	19	23	24	29	31	32	32	32
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	15	23	29	34	38	41	43	45	46
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	8	15	14	21	30	49	18	29	32
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	6	4	14	6	23	17	13	13
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	15	22	28	34	39	43	45	41	50
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	8	5	21	25	28	30	31	30	18
JSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	15	23	29	35	37	44	46	47	35
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	25	39	52	63	73	75	87	90	91	91
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	5	22	28	33	38	42	44	46	47
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10	14	18	23	27	29	30	30	30
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	15	71	57	51	92	94	99	99	99
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	8	16	17	24	26	24	24	25
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	14	13	14	12	11	22	26	32	17	35
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	13	14	26	20	41	28	39	45	12
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	10	24	40	29	58	45	89	81	91	68	63
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	9	14	19	14	29	8	9	30	104	109	107
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	16	29	35	39	49	52	52	51	52

