

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,297 MW
Distillate	0 MW
Total TNB	2,297 MW
Total IPP	16,633 MW
Total Co-Gen	0 MW
Total System	22,932 MW

Generation Mix

Type	MWh	Percentage
Hydro	17,664	4.91 %
Gas	52,001	14.45 %
Total TNB	69,665	19.36 %
ST-Coal	200,140	55.62 %
LSS	7,453	2.07 %
Gas	83,527	23.21 %
Total IPP	291,120	80.91 %
Co-Gen	-1,667	-0.46 %
Total Co-Gen	-1,667	-0.46 %
Total Generation	359,118	99.81 %
PLTG	4	0.00 %
HVDC	-705	-0.20 %
Interconnection	-701	-0.19 %
Net Energy	359,819	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:	19:30:00 Hour
Total Set On Bus	17,834 MW
TNB Generation	4,419 MW
IPP Generation	12,454 MW
Spinning Reserve	1,014 MW
Maximum Demand	16,856 MW
Net Energy	359,819 MWH
Load Factor	88.94 %

Fuel Cost

Total Cost:	83,623,399.44 RM
Cost per Unit	23.12 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	907
Hydro	355
Syncon	653
Thermal	189
Total	2,104

Time Weather Temperature

Afternoon	Hot	33
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	29
SRDG	3
TJGS	108
Total TNB	141
CBPS	44
EMPP	273
NPRI	132
PCGP	84
SKSP	3
SPGP	205
Total IPP	741
Total Gas	882
Total Gas Required	882

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	15600	14921	14354	13977	13468	13339	13278	13132	12777	13741	14570	15055	15142	15155	15538	15797	16096	15843	15534	16308	16781	16679	16329	16044

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, December 6, 2023 6:37:19 PM
 (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																											
KNRG	HY02	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	38	38	38	38	25	24	24	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37													
KNRG	HY03	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	38	38	38	38	20	20	20	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37													
KNYR	HY01	93	93	93	93	94	94	94	94	94	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93												
KNYR	HY02	97	97	98	97	44	-1	-1	-1	-1	-1	-1	-1	-1	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93											
KNYR	HY03	97	98	97	99	98	98	98	-2	-1	-2	-1	-1	-1	-2	93	95	95	97	97	96	97	97	97	96	97	97	97	97	97	96	97	97	96	97	97	97	97	97	97	97											
KNYR	HY04	95	95	95	95	95	95	96	96	96	96	96	96	94	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	94	91	94	93	94									
LPIA	HY01	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	5	10	16	16	16	16	19	19											
LPIA	HY02	21	21	21	21	21	20	21	21	21	21	21	21	20	21	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	16	15	5	8	16	16	16	19	19											
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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3											
PGAU	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	-1	22	22	22	22	22	22	22	112	111	111	21	21	21	21	22	21								
PGAU	HY02	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23	24	-1	-1	22	22	22	22	-1	-1	-1	-1	-1	113	113	83	83	-1	-1	-1	-1	-1	-1										
PGAU	HY03	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	19	-1	20	20	20	20	20	20	20	20	-1	-1										
PGAU	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	0	0	0	0	0	0	20	20	20	20	20	20	20	20	20	19	19										
SYPS	HY01	18	18	18	18	18	18	18	19	18	18	18	18	19	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19	18	18	18	18	18	18	19	19	18										
SYPS	HY03	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0	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	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17										
TMGR	HY01	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	79	79	79	79	79	79	79	7	0											
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	0	0	0	0	0	0	46	85	85	85	85	86	85	85	45	45											
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	0	0	0	0	0	0	40	80	80	80	81	80	81	81	81	42	42										
TMGR	HY04	42	44	43	46	41	41	41	42	42	41	44	49	42	42	40	42	55	47	41	42	46	43	41	41	43	42	73	51	43	81	79	83	41	42	41	81	41	42	45	41	42	40	43	41	55						
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	-1	-1	-1	-1	99	99	93	-1	-1	-1	139	182	134	135	96	99	93	95	-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	-1	-1	-1	-1	101	95	-1	-1	-1	102	139	99	98	98	100	95	-1	-1	-1	-1							
UPIA	HY01	4	4	4	4	4	4	4	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5								
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	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5								
Total Hydro		611	636	613	645	558	514	513	438	418	417	420	476	421	419	622	603	602	606	620	633	605	555	559	557	563	513	516	603	571	524	516	643	740	846	813	557	563	582	1223	1732	1626	1608	1489	1362	1347	1260	994	862			
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	0	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	9	13	16	18	21	22	24	25	24	25	24	24	12	23	22	19	14	2	3	2	1	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	2	5	12	18	18	24	27	27	23	17	8	7	12	15	33	4	4	7	2	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	2	6	11	15	19	24	27	28	31	31	34	21	35	34	24	31	8	30	24	9	11	9	4	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	1	5	8	19	24	29	32	35	36	39	39	37	40	18	31	29	25	27	27	7	3	3	1	1	1	1	1	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	4	10	16	23	27	33	36	39	40	43	43	40	35	37	23	8	12	13	15	18	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	9	13	16	19	22	24	26	12	19	30	28	26	25	23	20	18	15	11	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	16	22	29	24	39	42	42	47	39	17	49	15	48	30	29	11	12	25	16	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	4	16	19	23	26	29	27	27	32	25	23	30	28	15	8	5	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	15	21	27	32	35	39	42	41	44	45	33	37	28	41	16	27	14	2	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	26	40	32	64	71	76	82	86	89	90	70	27	73	71	42	68	47	44	27	22	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	11	22	29	31	37	38	41	43	44	42	37	45	44	42	38	33	29	20	18	9	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	8	14	18	24	27	29	30	32	26	24	9	32	17	13	31	27	22	21	13	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	12	33	54	73	82	92	95	100	100	100	100	100	56	33	100	84	14	23	17	13	5	2	0	0	0	0	0</										

