

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,372 MW
Distillate	0 MW
Total TNB	2,372 MW
Total IPP	17,361 MW
Total Co-Gen	0 MW
Total System	22,004 MW

Generation Mix

Type	MWh	Percentage
Hydro	23,076	6.45 %
Gas	30,488	8.52 %
Total TNB	53,564	14.98 %
ST-Coal	194,577	54.40 %
LSS	3,997	1.12 %
Distillate	20,998	5.87 %
Gas	83,647	23.39 %
Total IPP	303,219	84.78 %
Co-Gen	544	0.15 %
Total Co-Gen	544	0.15 %
Total Generation	357,327	99.91 %
PLTG	1,363	0.38 %
EGAT	5	0.00 %
HVDC	-1,699	-0.48 %
Interconnection	-331	-0.09 %
Net Energy	357,658	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:	16:30:00 Hour
Total Set On Bus	17,884 MW
TNB Generation	3,147 MW
IPP Generation	13,512 MW
Spinning Reserve	1,204 MW
Maximum Demand	16,713 MW
Net Energy	357,658 MWH
Load Factor	89.17 %

Fuel Cost

Total Cost:	134,662,553.30 RM
Cost per Unit	37.68 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	781
Hydro	563
Syncon	255
Thermal	109
Total	1,708

Time	Weather	Temperature
Afternoon	Cloudy	30
Morning	Cloudy	30

Gas Usage

Station	(mmscfd)
GLGR	29
TJGS	171
Total TNB	200
CBPS	2
EMPP	180
KLPP	31
NPRI	72
PCGP	85
PGLA	64
PLPS	47
SGRI	71
SPGP	19
Total IPP	571
Total Gas	770
Total Gas Required	982

Alternate Fuel Usage

Station	(mmscfd)
PGLA	41
EMPP	93
PGLA	41
PLPS	33
SGRI	4
Total	211

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	14215	13679	13174	12810	12558	12400	12648	12876	13413	14925	15890	16433	16338	16069	16386	16560	16686	16354	15533	15967	16232	15906	15448	14868

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 5:14:50 PM
(Ir. Shanmugam Thoppalan)
Head
Grid System Operator

Daily MW Generation on Wednesday

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	
GELS	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	
GNLS	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	
JELS	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	
JSLs	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	
KDLS	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	
KKLS	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	
KMLS	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	
KNLS	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	
KRLS	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	
MCLS	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	
MNLS	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	
PKLS	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	
SPLS	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	
SSLS	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	
STLS	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	
TBLS	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	
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	15	16	18	17	18	9	4	10	19	15	17	16	16	17	6	17	12	3	4	12	18	22	23	20	19
KHTC	BLK1	3	0	3	1	2	2	2	4	5	3	2	3	5	5	2	3	0	0	0	0	0	0	0	0	0
PCUF	CUFG	3	3	4	4	5	5	4	2	4	3	4	2	4	4	3	4	5	3	2	4	2	4	3	5	4
PCUF	CUFG	2	3	3	4	4	4	4	4	4	3	4	3	4	3	5	4	4	3	4	4	4	3	5	4	4
Total Co-Gen		23	22	28	26	29	20	14	20	32	24	27	24	29	29	14	28	20	12	10	17	28	27	31	27	28
Total Gen		14237	13773	13619	13337	13167	12930	12820	12560	12550	12414	12378	12486	12657	12956	12880	12991	13366	14400	14872	15385	15855	16276	16421	16600	16325
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	0
TIE-HVDC		-31	-28	-28	-30	-30	-28	-28	-31	-28	-28	-30	-28	-30	-30	-98	-98	-98	-98	-97	-98	-98	-99	-97	-98	-98
TIE-PLTG		52	11	-32	-3	22	-12	38	62	19	-14	8	81	38	112	33	10	50	79	44	37	62	63	86	125	84
Interconnection		22	-17	-60	-33	-7	-40	10	32	-8	-42	-22	53	9	82	4	-20	-47	-18	-53	-60	-35	-34	-12	26	-13
System Total		14215	13790	13679	13370	13174	12970	12810	12528	12558	12456	12400	12433	12648	12874	12876	13011	13413	14418	14925	15445	15890	16310	16433	16574	16338
SRev ST-Coal		97	287	321	330	337	323	327	322	308	334	334	329	328	331	326	325	331	157	140	94	89	107	113	117	109
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	0	0
SRev CCGT-Gas		1413	1461	1617	1591	1504	1730	1831	2049	2052	2074	2103	2039	1937	1693	1740	1712	1402	985	898	723	540	577	578	492	673
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	0	0
SRev Distillate		84	162	65	34	27	41	59	63	101	212	190	141	83	41	32	119	24	22	74	64	68	65	81	80	103
SRev LSS		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
SRev Co-Gen		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
Syncon		827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Hydro		286	286	289	246	285	285	289	290	286	263	276	274	275	278	277	277	275	504	613	498	568	648	685	679	699
S.Reserve Total		2707	3023	3119	3028	2980	3206	3333	3551	3574	3710	3730	3610	3450	3170	3202	3260	2859	2193	2063	1904	1603	1397	1457	1368	1771