

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,437 MW
Distillate	0 MW
Total TNB	2,437 MW
Total IPP	16,035 MW
Total Co-Gen	0 MW
Total System	22,179 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,256	3.76 %
Gas	59,478	15.68 %
Total TNB	73,734	19.43 %
ST-Coal	200,529	52.85 %
LSS	5,690	1.50 %
Gas	101,340	26.71 %
Total IPP	307,559	81.06 %
Co-Gen	-1,832	-0.48 %
Total Co-Gen	-1,832	-0.48 %
Total Generation	379,461	100.01 %
PLTG	-179	-0.05 %
EGAT	5	0.00 %
HVDC	195	0.05 %
Interconnection	21	0.01 %
Net Energy	379,440	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	18,940 MW
TNB Generation	4,035 MW
IPP Generation	13,820 MW
Spinning Reserve	1,171 MW
Maximum Demand	17,823 MW
Net Energy	379,440 MWH
Load Factor	88.71 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	760
Hydro	432
Syncon	564
Thermal	135
Total	1,891

Time	Weather	Temperature
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Gas Usage

Station	(mmscfd)
GLGR	41
TJGS	157
Total TNB	198
CBPS	46
EMPP	268
KLPP	2
NPRI	148
PCGP	82
PLPS	88
SKSP	37
SPGP	200
Total IPP	872
Total Gas	1,070
Total Gas Required	1,070

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	15686	14889	14426	13965	13632	13484	13381	13536	13860	15345	16077	16707	16710	16398	16891	17711	17782	17474	16606	17022	17388	17070	16597	16178

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, December 6, 2023 6:06:50 PM
 (Ir. Shanmugam Thoppalan)
 Head
 Grid System Operator

Daily MW Generation on Friday

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	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	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
KNRG	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
KNRG	HY03	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
KNYR	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
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	58	59	59	59	94	59	59	58	-1	-1	-1	-1
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
KNYR	HY04	58	58	59	58	58	58	56	59	57	57	60	60	60	58	57	60	59	59	59	59	100	100	100	100
LPIA	HY01	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
LPIA	HY02	20	21	21	21	21	21	21	21	21	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21
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	20	-1	-1	-1	-1	-1	-1	-1	-1	18	80	80	-1	-1	-1	-1	-1	-1	81	81
PGAU	HY02	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	83	83	83	83
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	-1	-1	111	111	112	112	111	
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	
SIHY	HY02	0	0	51	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
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	44	44	45	44	44	43	44	40	46	43	64	44	49	44	46	44	45	44	66	44	83	44	45	46
TMGR	HY03	0	32	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	95	-1	-1	-1	-1	-1	-1	92	96	98
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	95	184	186	185
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Total Hydro		236	270	293	290	290	311	326	323	324	288	304	309	308	294	287	286	291	290	366	526	525	370	516	524
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	3	5	12	14	18	19	21	13	22	11
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	5	8	12	28	22	17	15	27	22
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	8	24	12	24	20	19	23	16
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	9	10	12	13	19	30	23	38	10
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	13	21	27	28	15	22	25	8	21
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	8	13	17	19	20	26	11	10	11
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	10	32	30	29	23	37	35	37
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	6	14	16	20	20	24	31	17
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	6	18	32	43	18	61	42	37	57	44	56
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	9	12	12	14	25	40	36	33	21	25
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	9	14	12	24	15	18	16	16
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	21	51	70	79	86	48	69	93	97
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	7	11	14	19	27	15	20	26	26	30
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	8	4	10	6	8	8	6	5
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	19	11	29	27	44	46	51	33	31
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	7	16	58	37	86	87	73	94	94	95	66
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	13	22	37	36	22	10	10	20	20	20	62
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	10	26	33	39	23	23	29	34	41

Daily MW Generation on Friday

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																											
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	11	24	30	31	25	12	9	34	52	54	21	50	55	38	17	35	5	0	1	1	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	1	3	6	10	21	24	17	22	35	39	33	18	34	19	21	16	20	24	21	18	9	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0		
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	2	5	9	14	15	10	12	24	10	29	6	11	10	6	12	9	17	17	14	10	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	16	9	21	13	27	7	6	7	19	17	30	30	24	30	28	12	9	6	5	1	1	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	42	130	286	374	560	540	628	589	618	689	693	762	827	758	805	704	538	470	499	427	276	140	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ESTL	ESTL	0	2	1	3	2	0	-3	0	0	0	0	0	0	6	7	5	10	0	0	7	0	6	0	0	0	0	0	3	6	2	0	0	0	2	0	-1	0	0	0	0	0	-13	-11	-12	0	0	-2				
KHTC	BLK1	-100	-101	-101	-99	-99	-97	-95	-95	-94	-96	-95	-95	-96	-98	-96	-99	-99	-102	-103	-109	-108	-113	-114	-114	-118	-116	-117	-119	-114	-119	-111	-109	-112	-113	-111	-109	-105	-104	-102	-104	-100	-99	-99	-99	-99	-101	-99	-100			
PCUF	CUFG	19	19	19	19	17	18	18	18	19	20	19	18	19	19	18	18	18	17	16	15	17	15	15	17	16	17	17	17	17	16	16	17	17	18	18	19	18	18	16	17	18	18	17	18	18	18	18				
PCUF	CUFK	2	4	3	3	2	3	4	3	4	3	3	3	2	4	1	4	4	4	3	3	0	3	2	0	3	2	2	4	3	3	2	4	4	1	1	4	3	3	2	3	3	2	1	2	4	3	4				
PFTZ	PFTZ	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	14	14	14	15	15		
Total Co-Gen		-73	-70	-72	-68	-72	-70	-68	-65	-67	-67	-69	-67	-66	-60	-66	-61	-74	-77	-77	-87	-81	-91	-93	-92	-92	-92	-85	-87	-84	-83	-86	-89	-85	-81	-79	-76	-76	-77	-75	-87	-77	-77	-66	-63	-65						
Total Gen		15689	15262	14886	14657	14434	14230	13972	13688	13650	13535	13489	13008	13386	13720	13538	13443	13860	14820	15351	15803	16075	16584	16708	16864	16683	16639	16411	16667	16881	17356	17716	17737	17734	17769	17469	17102	16629	16462	17020	17513	17414	17339	17094	16938	16608	16549	16210	16105			
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	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		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	29	29	29	32	32	31	31	29	29	29	31	31	30				
TIE-PLTG		3	-6	-3	12	8	12	7	12	18	5	5	-34	5	-17	2	-30	0	4	5	8	-2	-3	0	-58	-27	-8	12	31	-10	0	5	-32	-48	-54	-5	-17	-6	-17	-34	-32	-5	-4	-5	-28	-18	-6	1	-2			
Interconnection		3	-6	-3	12	8	12	7	12	18	5	5	-33	5	-17	2	-30	0	4	6	8	-2	-2	1	-58	-27	-8	13	31	-10	0	5	-32	-48	-54	-5	12	23	12	-2	0	26	27	24	1	11	24	32	29			
System Total		15686	15268	14889	14645	14426	14218	13965	13676	13632	13530	13484	13041	13381	13737	13536	13473	13860	14816	15345	15795	16077	16586	16707	16922	16710	16647	16398	16636	16891	17356	17711	17769	17782	17823	17474	17090	16606	16450	17022	17513	17388	17312	17070	16937	16597	16525	16178	16076			
SRev ST-Coal		170	218	290	174	383	445	458	527	571	568	599	431	459	394	406	396	401	412	183	142	137	150	136	124	145	149	122	129	119	139	108	142	141	133	137	134	103	113	110	109	102	139	92	142	159	152	145	179			
SRev CCGT-Gas		1361	1777	2102	2278	2287	2453	2713	2927	2923	3005	3035	2866	2448	1917	2050	2382	2471	1696	1636	1432	1449	916	849	732	826	830	1083	927	799	515	489	456	451	422	594	754	847	924	587	451	535	512	592	547	694	766	1070	1051			
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	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 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	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
SRev Co-Gen		0	0	0	-1	1	0	-2	2	-1	-1	-1	-1	-1	2	0	1	-1	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	-2	1	0	0	0	1	0	2			
Syncon		1142	1142	1142	1142	1142	991	1142	1142	1142	1142	1142	1142	1142	890	703	703	1041	854	854	890	1041	1142	991	1142	768	466	365	214	214	214	214	401	401	214	0	0	187	613	613	613	613	764	890								
Hydro		108	161	101	104	104	234	108	111	70	106	241	85	237	100	107	108	103	104	280	307	308	125	166	158	237	107	77	206	36	233	279	244	337	315	364	426	488	483	422	560	581	694	697	522	688	683	427	391			
S.Reserve Total		2868	3385	3722	3784	4004	4210	4506	4796	4792	4907	4952	4610	4221	3640	3794	4115	4205	3440	3076	2671	2684	2319	2092	1954	2184	2214	2511	2340	2183	1742	1429	1293	1230	1171	1396	1615	1926	2008	1420	1205	1306	1432	1655	1911	2241	2302	2493	2600			