

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,412 MW
Distillate	0 MW
Total TNB	2,412 MW
Total IPP	18,150 MW
Total Co-Gen	0 MW
Total System	24,270 MW

Generation Mix

Type	MWh	Percentage
Hydro	14,298	3.77 %
Gas	47,199	12.44 %
Total TNB	61,497	16.21 %
ST-Coal	235,737	62.12 %
LSS	6,839	1.80 %
Gas	74,118	19.53 %
Total IPP	316,694	83.46 %
Co-Gen	798	0.21 %
Total Co-Gen	798	0.21 %
Total Generation	378,989	99.88 %
PLTG	234	0.06 %
EGAT	5	0.00 %
HVDC	-710	-0.19 %
Interconnection	-471	-0.12 %
Net Energy	379,460	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 4/13/2023	407,278 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	18,451 MW
TNB Generation	3,789 MW
IPP Generation	13,536 MW
Spinning Reserve	1,084 MW
Maximum Demand	17,382 MW
Net Energy	379,460 MWH
Load Factor	90.96 %

Fuel Cost

Average Spinning Reserve During Peak Hour

Type	MW
GT	286
Hydro	392
Syncon	616
Thermal	294
Total	1,588

Time	Weather	Temperature
Afternoon	Hot	0
Morning	Sunny	0

Gas Usage

Station	(mmscfd)
GLGR	35
TJGS	65
Total TNB	100
CBPS	48
EMPP	202
NPRI	157
PCGP	66
SKSP	1
SPGP	208
Total IPP	681
Total Gas	781
Total Gas Required	781

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	16893	16248	15592	15193	14672	14520	14340	13891	13370	14416	15301	15795	15783	15794	16349	16674	16766	16651	16263	16250	17087	17363	17217	16905

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	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	-1	-1	60	-1	-1	-1	-1	-1	-1	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
KNYR	HY02	61	59	69	64	61	58	52	75	78	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
KNYR	HY03	0	0	0	0	0	0	0	0	0	97	99	99	99	100	100	99	98	96	96	97	96	95	95	97
LPIA	HY01	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	12	12	12
LPIA	HY02	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	15	14	14	14	14
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	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	21	-1	-1	-1	81	21	24	21
PGAU	HY02	21	-1	-1	-1	-1	-1	-1	-1	19	-1	-1	-1	-1	-1	24	-1	-1	-1	19	-1	83	83	85	-1
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	51
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	50
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	17	17	17	17	17	17	17	17	17	17	17	25
TMGR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0	41	42	42	42	41	42	84	85	84
TMGR	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	82	46	45	45	45	45	0	0	89	88	89
TMGR	HY04	45	40	52	50	44	39	33	57	64	86	86	42	40	40	85	86	84	0	0	0	0	0	0	31
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	87	-1	-1	-1	-1	-1	-1	-1	96	95	91
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	97	91	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5	5	5	5	5	5	4	4
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	5	5	5	5	5	4	4	4
Total Hydro		381	283	296	228	220	212	199	247	257	299	365	376	624	543	520	449	496	497	528	575	545	528	530	621
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	1	3	6	8	12	15	18	20	21	23	25	25
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	2	5	8	11	14	18	18	22	15	28	30	28
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	6	10	14	18	22	21	22	19	24	33	33
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	3	8	14	20	26	29	34	36	36	34	41	39
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	2	4	7	14	13	22	19	36	24	22	33	28	33
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	3	7	11	13	12	19	25	15	12	8	24	27	24
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	3	8	12	19	24	32	20	37	41	20	42	45	38
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	3	7	11	16	21	25	23	26	23	25	21	28	31
JLSL	LSS1	0	0	0	0	0	0	0	0	0	0	0	1	5	9	15	21	27	30	28	41	32	23	20	18
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	7	16	28	40	51	59	67	79	48	88	36	92	90
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	3	8	13	19	24	17	19	23	41	37	40	42	42
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	2	5	8	12	17	21	22	28	27	22	26	18	29	31
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	2	10	23	39	53	64	76	86	93	100	100	94	100	100
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	3	7	11	16	19	20	20	20	20	20	19	20	20	20
MALS	LSS1	0	0	0	0	0	0	0	0	0	0	4	11	17	21	24	26	18	27	29	29	30	29	30	29
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	1	5	11	16	17	20	33	36	41	32	45	47	46	42
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	4	18	39	54	61	49	67	75	72	80	93	93	93	91
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	12	18	28	59	33	40	67	104	109	109	114	114	114	109
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	1	6	11	17	25	27	38	32	45	28	52	42	39	52
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	1	4	9	15	21	26	31	34	38	40	42	42	41	40
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	1	3	5	8	11	14	16	17	19	18	13	23	22	17
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	1	3	11	12	23	27	30	30	30	30	30	30	30	30
Total LSS		0	0	0	0	0	0	0	0	0	0	15	109	237	369	517	574	686	748	863	825	899	900	965	965

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																										
ESTL	ESTL	8	9	5	8	7	10	10	13	16	14	15	16	8	0	0	12	8	10	8	10	10	10	7	10	2	7	9	6	6	6	13	6	3	10	8	8	5	8	6	8	5	7	3	9	13	14	13	9		
PCUF	CUFG	3	3	4	2	4	4	4	5	5	4	3	3	3	4	3	3	4	4	4	4	3	4	3	4	4	4	2	4	4	3	4	10	13	15	16	15	15	14	13	21	20	15	4							
PCUF	CUFK	7	7	7	7	7	6	7	8	8	8	7	8	9	10	10	10	10	9	8	16	14	13	13	14	14	13	13	12	10	12	14	14	13	14	14	13	14	13	13	13	13	11	13	14						
PFTZ	PFTZ	7	7	7	7	7	7	7	7	6	7	7	6	7	7	6	6	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	6	7	7	7	7				
Total Co-Gen		25	26	23	24	25	27	28	33	36	32	32	34	26	21	20	31	28	30	27	37	34	35	31	35	28	33	34	29	31	30	33	31	29	36	32	34	37	43	42	46	40	42	36	42	54	52	48	34		
Total Gen		16909	16579	16229	15900	15571	15382	15199	14802	14648	14594	14486	14288	14291	14091	13873	13341	13336	13930	14387	14831	15286	15583	15812	15987	15761	15719	15782	16012	16318	16579	16631	16733	16723	16805	16635	16424	16246	16138	16235	16633	17075	17367	17357	17324	17180	17151	16919	16717		
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		
TIE-HVDC		-30	-28	-29	-30	-29	-31	-31	-31	-29	-30	-29	-28	-28	-30	-31	-31	-30	-31	-30	-31	-30	-28	-30	-29	-29	-29	-31	-31	-29	-29	-28	-28	-30	-30	-30	-30	-30	-29	-29	-29	-30	-30	-31	-28	-29					
TIE-PLTG		45	71	9	29	7	14	36	-20	5	-5	-6	-1	-20	3	13	26	-4	-5	1	24	15	8	47	72	8	25	16	-6	-1	-36	-14	-23	-15	14	14	5	12	13	15	28	16	14	23	-14	-7	-8	42	-20		
Interconnection		16	44	-19	-1	-21	-16	6	-50	-24	-36	-34	-29	-49	-27	-18	-5	-34	-36	-29	-6	-15	-22	17	44	-22	-3	-12	-35	-31	-67	-43	-52	-43	-14	-16	-25	-17	-17	-15	-1	-12	-15	-6	-43	-37	-39	14	-48		
System Total		16893	16535	16248	15901	15592	15398	15193	14852	14672	14630	14520	14317	14340	14118	13891	13346	13370	13966	14416	14837	15301	15605	15795	15943	15783	15722	15794	16047	16349	16646	16674	16785	16766	16819	16651	16449	16263	16155	16250	16634	17087	17382	17363	17367	17217	17190	16905	16765		
SRev ST-Coal		192	278	315	448	547	583	237	321	331	685	686	689	785	794	759	803	848	830	731	553	381	320	300	305	309	308	306	307	320	234	224	167	181	175	200	164	179	193	181	185	175	207	178	184	208	202	199	196		
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	
SRev CCGT-Gas		564	468	222	280	509	658	797	1054	818	420	585	795	820	747	846	1287	1242	726	370	406	456	345	217	354	406	521	439	391	193	178	188	209	267	258	251	337	340	342	184	266	172	135	129	135	215	161	367	328		
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 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	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	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		626	903	928	1029	1029	1029	1029	1029	1029	903	626	676	651	802	928	928	928	928	741	777	928	928	741	802	802	651	802	802	651	615	428	126	126	379	530	691	1029	489	0	0	187	374	374	374	500	727				
Hydro		366	187	149	116	124	132	145	97	87	45	105	371	173	279	151	96	49	48	67	207	201	117	115	211	117	117	239	66	139	136	283	268	276	460	475	372	348	425	251	571	826	655	549	459	511	598	600	558		
S.Reserve Total		1922	2010	1788	2047	2383	2576	2382	2675	2439	2353	2453	2655	2628	2645	2732	3288	3241	2706	2270	2081	1902	1797	1647	1698	1846	1835	1809	1740	1628	1437	1433	1346	1239	1106	1139	1339	1484	1825	1819	1685	1260	1084	1130	1239	1395	1422	1840	1983		