

### Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,387 MW
Distillate	0 MW
<b>Total TNB</b>	<b>2,387 MW</b>
<b>Total IPP</b>	<b>17,961 MW</b>
Total Co-Gen	0 MW
<b>Total System</b>	<b>24,195 MW</b>

### Generation Mix

Type	MWh	Percentage
Hydro	9,178	2.39 %
Gas	59,396	15.47 %
<b>Total TNB</b>	<b>68,574</b>	<b>17.86 %</b>
ST-Coal	222,962	58.08 %
LSS	5,269	1.37 %
Gas	88,963	23.18 %
<b>Total IPP</b>	<b>317,194</b>	<b>82.63 %</b>
Co-Gen	-1,838	-0.48 %
<b>Total Co-Gen</b>	<b>-1,838</b>	<b>-0.48 %</b>
<b>Total Generation</b>	<b>383,930</b>	<b>100.02 %</b>
PLTG	68	0.02 %
<b>Interconnection</b>	<b>68</b>	<b>0.02 %</b>
<b>Net Energy</b>	<b>383,862</b>	<b>100.00 %</b>

### 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:	15:30:00 Hour
Total Set On Bus	19,502 MW
TNB Generation	3,659 MW
IPP Generation	14,698 MW
Spinning Reserve	1,239 MW
Maximum Demand	18,272 MW
Net Energy	383,862 MWH
Load Factor	87.53 %

### Fuel Cost

### Average Spinning Reserve During Peak Hour

Type	MW
GT	643
Hydro	208
Syncon	958
Thermal	177
<b>Total</b>	<b>1,986</b>

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	24

### 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	15427	14671	14142	13765	13396	13339	13734	13633	14076	15679	16524	17035	16957	16748	17530	18196	18227	17833	16873	17202	17598	17335	16830	16412

### Gas Usage

Station	(mmscfd)	Station	(mmscfd)
GLGR	29	<b>Total</b>	<b>0</b>
TJGS	173		
<b>Total TNB</b>	<b>203</b>		
CBPS	45		
EMPP	270		
NPRI	121		
PCGP	82		
PLPS	67		
SPGP	193		
<b>Total IPP</b>	<b>776</b>		
<b>Total Gas</b>	<b>979</b>		
<b>Total Gas Required</b>	<b>979</b>		

### Alternate Fuel Usage

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, December 6, 2023 6:08:54 PM

(Ir. Shanmugam Thoppalan)  
Head  
Grid System Operator



## Daily MW Generation on Thursday

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	HY01	35	35	35	22	21	21	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNRG	HY02	36	36	37	21	21	21	21	21	21	21	21	21	21	22	20	21	21	22	22	22	22	21	21	21
KNRG	HY03	37	37	37	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	39	39	39
KNYR	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
KNYR	HY04	60	60	60	59	57	59	58	59	58	59	59	60	59	57	58	59	61	62	59	68	100	101	59	58
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	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	21	20	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	20	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	80	80	80	-1
PGAU	HY02	0	0	0	0	129	7	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
PGAU	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	18	-1	-1	-1	-1	-1	-1	20	20	20	-1
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	18	25	27	27
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	21	25	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25
TMGR	HY01	45	47	44	44	44	44	44	43	45	45	44	44	46	45	43	44	44	48	48	44	53	82	83	43
TMGR	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
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	-1	-1	-1	-1	-1	-1	101	101	184	183	183
UJLI	HY02	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	103	102	101	149	149	
UPIA	HY01	5	4	4	4	4	4	4	4	4	4	4	4	5	4	5	4	5	5	5	5	5	5	5	5
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	6	6	6	6
<b>Total Hydro</b>		<b>325</b>	<b>347</b>	<b>324</b>	<b>279</b>	<b>404</b>	<b>285</b>	<b>277</b>	<b>243</b>	<b>243</b>	<b>243</b>	<b>244</b>	<b>247</b>	<b>264</b>	<b>259</b>	<b>243</b>	<b>244</b>	<b>250</b>	<b>270</b>	<b>243</b>	<b>263</b>	<b>323</b>	<b>327</b>	<b>614</b>	<b>250</b>
<b>Total Distillate</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	7	9	11	17	21	22	25
BKLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	7	8	7	8	10	5	5	7
BSLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	8	18	15	23	33	21	37
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	15	24	23	26	22	35	39	27
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	9	6	20	29	25	22	20
GELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	12	16	15	16	23	24
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	12	16	23	37	23	27	26	26
JELS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	7	16	16	15	18	6	5
KDLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	7	23	46	62	55	59	57	88	55
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	10	19	24	28	33	40	37	34
KMLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	9	17	20	18	19	18	31
KNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	19	47	55	66	76	79	73	100	100
KRLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	14	16	19	22	21	23	28	27
MALS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	4	9	13	14	5	2	0
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	13	11	44	47	50	50	27	51
MNLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	16	12	16	31	84	56	88	83	83
PKLS	LSS3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	19	24	24	34	50	53	65	87	77
SNLS	LSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	6	22	26	25	41	50	50	50
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	11	20	29	24	35	32	19	23	36
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	7	14	9	22	28	29	42	43	34
STLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	12	15	14	24	11	7	9	13
TBLS	LSS2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	13	8	14	5	4	10	30	27
<b>Total LSS</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>106</b>	<b>222</b>	<b>317</b>	<b>433</b>	<b>561</b>	<b>668</b>	<b>675</b>	<b>745</b>	<b>798</b>

### Daily MW Generation on Thursday

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	1	8	6	3	0	0	0	0	0	2	0	2	0	2	0	2	0	2	0	0	0	0	0	5	2	2	4	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0						
KHTC	BLK1	-93	-94	-92	-91	-94	-92	-92	-92	-88	-88	-88	-89	-88	-90	-91	-90	-94	-97	-99	-100	-100	-104	-112	-111	-113	-114	-118	-121	-121	-119	-119	-121	-116	-116	-116	-117	-112	-111	-109	-107	-108	-108	-105	-107	-106	-104	-101	-101		
PCUF	CUFG	4	4	19	19	19	20	20	19	19	20	18	19	19	19	18	19	18	18	17	17	17	16	16	16	16	15	15	15	16	16	15	16	16	15	16	14	15	16	16	17	18	19	17	18	18	20	19			
PCUF	CUFK	2	3	2	3	3	2	3	3	3	3	2	3	2	4	3	2	3	0	2	1	4	1	3	3	2	8	6	7	5	6	7	5	2	3	1	2	1	4	2	5	2	3	1	4	5	3	3	2		
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	6	6	6			
Total Co-Gen		-80	-73	-59	-60	-66	-64	-63	-64	-60	-59	-61	-59	-61	-63	-62	-66	-71	-73	-76	-73	-80	-87	-81	-87	-83	-87	-93	-95	-91	-91	-94	-92	-90	-93	-95	-90	-85	-85	-79	-82	-80	-81	-80	-77	-77	-72	-74			
Total Gen		15398	15028	14676	14482	14159	14019	13781	13599	13401	13409	13355	13455	13741	13887	13649	13609	14086	15127	15678	16102	16523	16889	17015	17207	16968	16706	16752	17138	17528	18047	18216	18263	18199	18120	17825	17352	16898	16657	17184	17695	17597	17580	17332	17238	16806	16702	16430	16020		
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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-PLTG		-29	-12	5	16	17	36	16	11	5	2	16	19	7	16	16	13	10	29	-1	-16	-1	3	-20	20	11	-6	4	4	-2	22	20	-9	-28	-29	-8	31	25	-9	-18	-12	-1	-12	-3	-10	-24	-10	18	2		
Interconnection		-29	-12	5	16	17	36	16	11	5	2	16	19	7	16	16	13	10	29	-1	-16	-1	3	-20	20	11	-6	4	4	-2	22	20	-9	-28	-29	-8	31	25	-9	-18	-12	-1	-12	-3	-10	-24	-10	18	2		
System Total		15427	15040	14671	14466	14142	13983	13765	13588	13396	13407	13339	13436	13734	13871	13633	13596	14076	15098	15679	16118	16524	16886	17035	17187	16957	16712	16748	17134	17530	18025	18196	18272	18227	18149	17833	17321	16873	16666	17202	17707	17598	17592	17335	17248	16830	16712	16412	16018		
SRev ST-Coal		167	156	173	257	362	387	369	379	417	415	438	431	423	424	415	414	406	234	174	218	176	177	173	193	181	162	182	168	157	157	187	163	184	168	176	144	151	166	262	196	183	172	180	183	168	183	165	178		
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
SRev CCGT-Gas		1511	1621	1947	2011	2348	2343	2595	2732	2818	2786	2820	2724	2450	2316	2557	2803	2455	2071	1729	1343	1119	912	819	970	1121	1391	1323	958	515	424	229	208	294	294	300	408	567	749	469	282	286	292	429	338	595	642	637	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 Co-Gen		0	-1	-1	0	1	1	0	1	0	0	-2	1	0	0	0	3	0	2	0	0	1	0	1	0	0	0	0	0	-1	0	0	1	0	-2	0	1	1	1	0	1	0	0	0	0	0	0	0	1	0	0
Syncon		892	741	892	892	892	892	1043	1043	1230	1230	1230	1230	1230	1079	1079	1230	1230	1230	1079	1230	1230	1230	1230	640	1079	1230	1230	1230	1230	856	856	706	705	554	554	705	1230	1230	1043	705	856	856	856	1230	1230	1079	1230	1079		
Hydro		119	248	120	165	190	309	166	160	159	159	158	155	289	294	159	158	152	283	159	139	79	75	359	284	156	117	72	72	255	255	161	199	312	434	528	155	152	157	217	169	193	295	104	133	273	106	238			
S.Reserve Total		2689	2765	3131	3325	3793	3932	4173	4315	4624	4590	4645	4544	4258	4108	4345	4609	4249	3689	3265	2950	2665	2398	2298	2163	2665	2939	2852	2428	1973	1692	1527	1239	1382	1326	1464	1786	2104	2298	1931	1401	1494	1513	1760	1855	2126	2178	2138	2546		