

**Town of Granite Falls**

**2004**

**Annual Report for Electric Department**



1. The Town of Granite Falls Electric Department once again had a very productive year in 2004. We now have 1970 residential, 383 commercial and 13 industrial customers. Construction continues Sunset Meadows phase's 1 and 2, all of the Greens and Brooks Glenn. Phase's 1 and 2 of Victorian Lane, Riverbend (with phase 3 having final installation of elbows, lightning arrestors, etc. being completed), and with phase 4 being cleared off now. Underground construction is completed in Granite Creek Estates with all hardware installed. Phase 1 has 4 new homes with 4 under construction. Phase 2 of Granite Creek Estates is being graded for construction now.
2. During 2004, we completed 296 workorders, 1491 cut ons/offers and we installed 18 temporary services.
3. The security lighting program added 9 new customers this year.
4. We continued our preventive maintenance program in the substation where we performed infrared scanning on all critical components. We also scanned various areas of our system for "hot spots". There were more problems on Duke Power's side of the substation than all of our system. They were notified and the problems were corrected.
5. Our meter testing and calibration program continues with 31 meters tested this year.
6. The Town of Granite Falls continues with its rebate program. This program encourages contractors and homeowners to install energy efficient appliances in homes and apartments. \$7350.00 in rebates was awarded in 2004. Since the programs inception there has been a total of \$173,000 awarded to contractors and homeowners.
7. Energy audits continue to be offered as needed to help our customers utilize power more efficiently. We performed 14 energy audits in 2004.

8. We continue to monitor all electrical equipment in the substation as well as all pump stations in order to alert us of any potential problems.
9. We continue to maintain an aggressive tree trimming program with good results this year.
10. In 2004, we had 1017 requests to locate underground utilities. This is a service that we offer to prevent digging into our underground power lines.
11. The upgrade to our Sunset circuit was completed this year.
12. We built a three phase power line from 321-a to the end of Moss Circle to energize the new Dewey Cook pump station. This pump station is monitored with our scada equipment.
13. We also extended our primary line on Victorian Lane to provide service for 30 new units.

	2002	2003	2004
Work orders completed	286	272	296
Cut ons/off	1458	1403	1491
Temporary services	28	27	18
Service calls	51	40	23
New services	326	315	140
Meters tested	180	25	31
30' poles	0	0	0
35' poles	5	24	26
40' poles	25	28	42
45' poles	12	6	24
60' poles	0	0	1
Underground transformers installed	18	16	15
Poletop transformers installed	49	20	14
Overhead wire installed/ft.	9000	18000	16000
Underground wire installed/ft.	33000	35000	12000
Safety and training/hrs.	140	135	135
Meter reading/hrs.	760	1144	1144
Workorder prep. & mapping/hrs.	255	260	280
Traffic light maint./hrs.	10	12	6
Substation service/hrs.	25	80	10
Christmas light installation/hrs.	180	180	180
<b>Kwh's Sold</b>	<b>46,714,073</b>	<b>44,395,300</b>	<b>45,006,476</b>
Electric customers billed	2323	2367	2379
Residential customers billed	1958	1970	1985
Commercial customers billed	353	383	383
Industrial customers billed	23	14	11
<b>Total miles of primary wire</b>	<b>78</b>	<b>82</b>	<b>88</b>