

**Town of Granite Falls
2010
Annual Report of Electric Department**



Electrical Superintendent: Steve Stilwell

Town of Granite Falls
Electrical Department projects for 2010

1. 2010 was a productive year for the Town of Granite Falls Electric Department. This is a listing of the 2010 current electrical customers that we have.
 - 1,999 residential customers
 - 369 commercial customers
 - 10 industrial customers
 - 35 City services
 - Total electric customers for 2010 was 2,413

2. This is a listing of all new and finished construction for 2010.
 - The Greens has a total of 66 homes.
 - Brooks Glenn development Phase 2 is open with 2 homes completed.
 - Stone Lake Subdivision has 65 homes completed.
 - Broadwater phase 3 has been completed, and Phase 4 is approximately 98% complete. We have a total of 15 homes built and 1 under construction.
 - Riverbend phase 4 and 6 are complete. Phase 7 is complete with a total of 60 homes completed and 1 under construction.
 - Drew Estes has 8 homes built in the Summit Development located on Julia Way.
 - 5 homes have been completed on Ike Starnes Rd.

3. During the past year, we have completed 458 work orders and 1,682 cut on/cut off work orders.
4. We have also installed 11 temporary services.
5. The security lighting program gained 3 new customers this year.

6. The electric department continued our preventative maintenance program in the substation where we performed infrared scanning on all critical areas. We scanned areas throughout our system to find and eliminate future trouble spots with all “hot spots” being repaired shortly after scans. We also scanned the electric panel in the water and sewer plant and found several problems that were repaired.
7. Meter testing and calibration continued with 63 electrical meters tested and calibrated.
8. The Town of Granite Falls continues to offer a rebate program to encourage contractors and homeowners to install energy efficient heat pumps and water heaters. We are seeing more gas customers changing over to electric due to the instability of gas rates, plus the incentive of our rebates.
9. Our aggressive tree-trimming program continued this year, eliminating many potential power interruptions and outages.
10. This year we had 443 requests to locate underground power lines. This service eliminates accidental power outages due to damage.
11. Squirrels continue to be our #1 problem with station operation and automobile wrecks being #2.
12. We have upgraded a total of 110 light fixtures to 100 watt high pressure sodium for a total savings of \$2,167 a year in power costs.
13. We completed a total of 12 energy audits for customers in 2010.

	2008	2009	2010
Work orders completed	316	386	458
Cut ons/Cut offs	1,315	1,490	1,682
Temporary Services	12	8	11
Service Calls	38	36	48
Meters Tested	78	42	63
35" Poles Installed	26	8	12
40' Poles Installed	14	12	10
45' Poles Installed	16	10	3
60' Poles Installed	0	2	0
Underground Transformers Installed	28	14	5
Poletop Transformers Installed	4	8	10
Overhead Wire Installed/ft.	5,000	9,000	8,000
Underground Wire Installed/ft.	4,500	11,000	10,000
Safety and Training/hrs.	145	148	142
Meter Reading/hrs.	1,296	1,296	1,296
Work Order & Mapping/hrs.	316	300	350
Substation Service/hrs.	75	12	28
Christmas Light Installation/hrs.	160	160	210
Electric Customers Billed	2,435	2,442	2,413
Residential Customers Billed	2,020	2,051	1,999
Commercial Customers Billed	380	380	369
Industrial Customers Billed	11	11	10
Municipal Services	23	23	35
Total Miles of Primary Wire	103	103	103
Kwh's Sold	55,567,897	54,082,375	60,290,387