

100

S

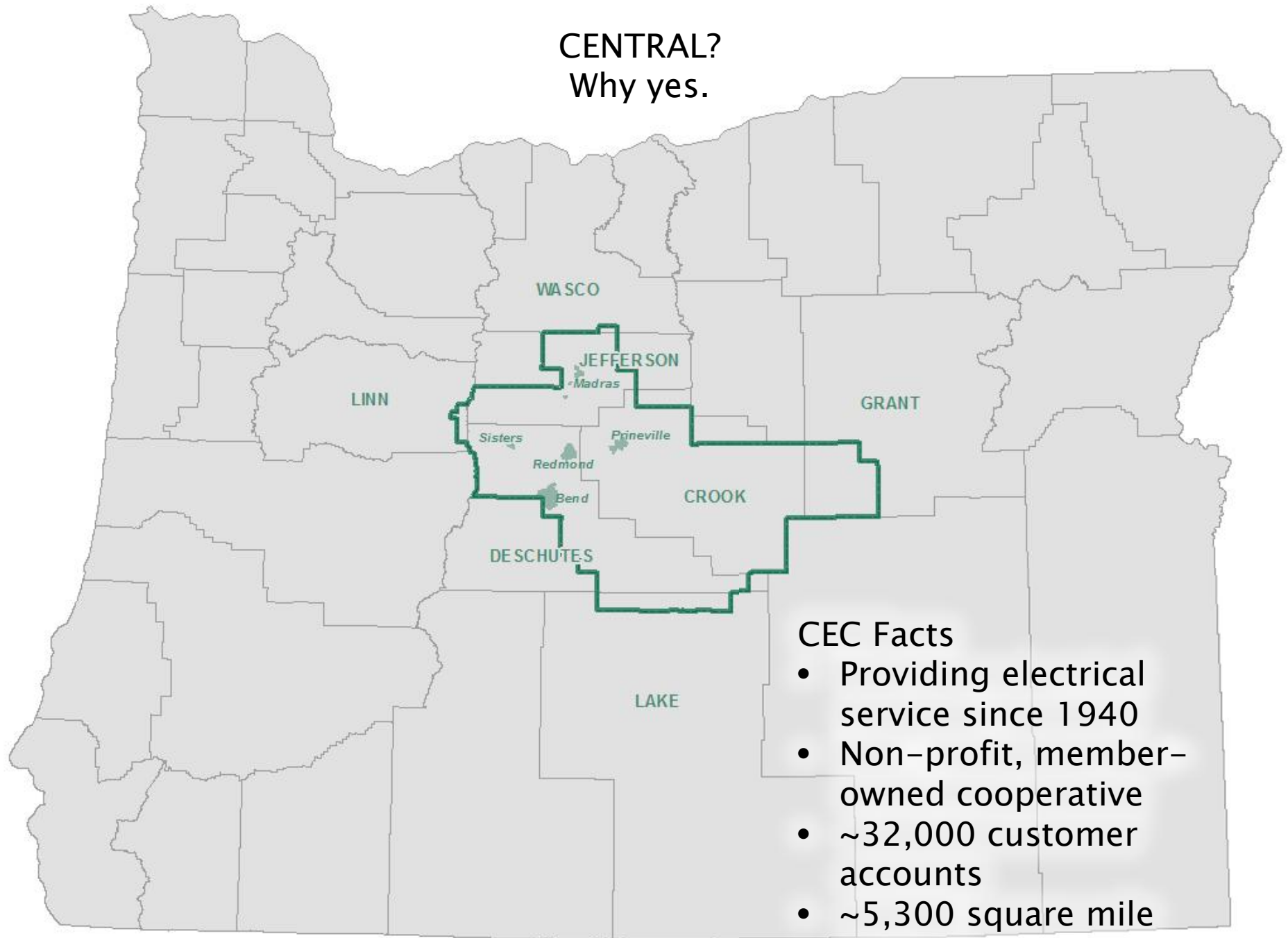


Your  town, electric utility



**CENTRAL ELECTRIC
COOPERATIVE, INC.**

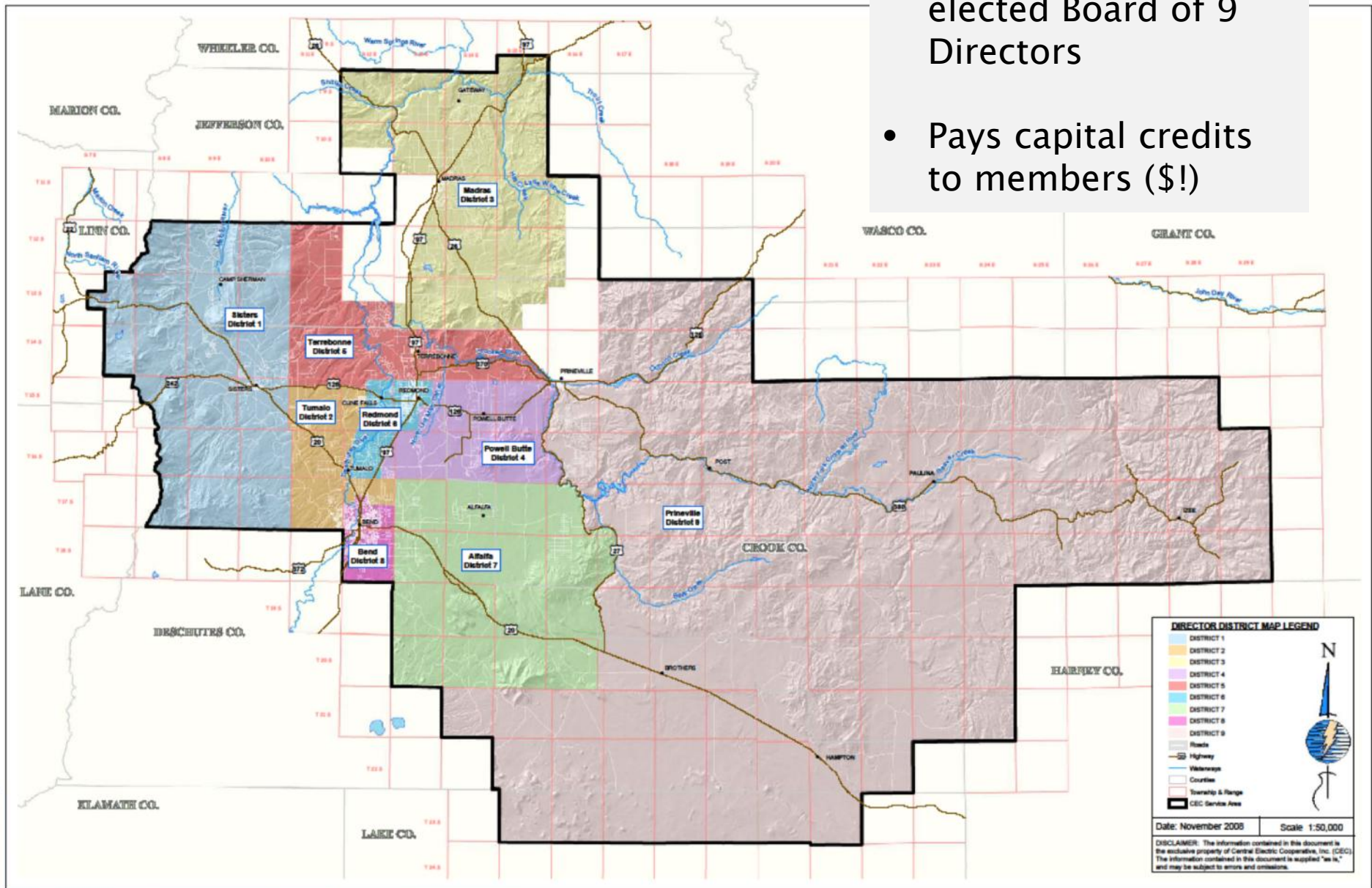
CENTRAL?
Why yes.



CEC Facts

- Providing electrical service since 1940
- Non-profit, member-owned cooperative
- ~32,000 customer accounts
- ~5,300 square mile territory

- Governed by an elected Board of 9 Directors
- Pays capital credits to members (\$!)

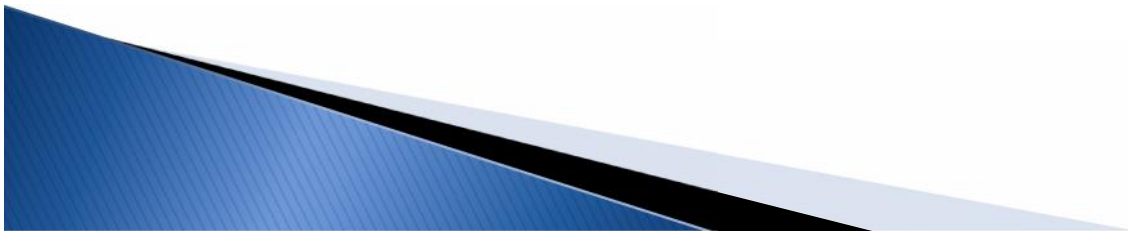


Who we are

What we do

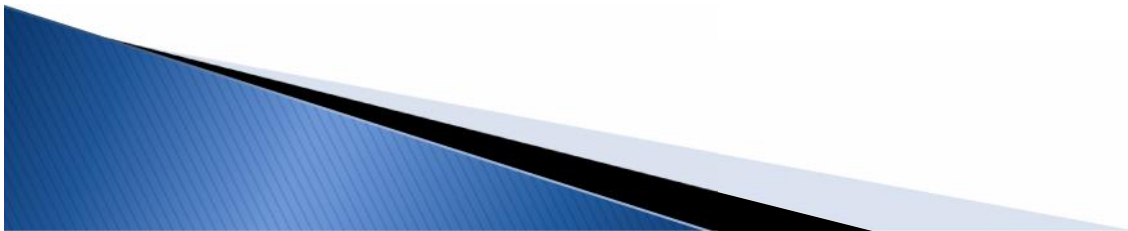
Part of the Operations Department

- Line crew
- Meter shop
- Engineering
- **GIS dept:**
 - Myself, Tiffany Turo– 7 yrs, GIS stuff, special requests
 - Jim Blaylock– 35 yrs, Staking stuff, AutoCAD
 - Both of us– Op maps, landbase projects, etc.



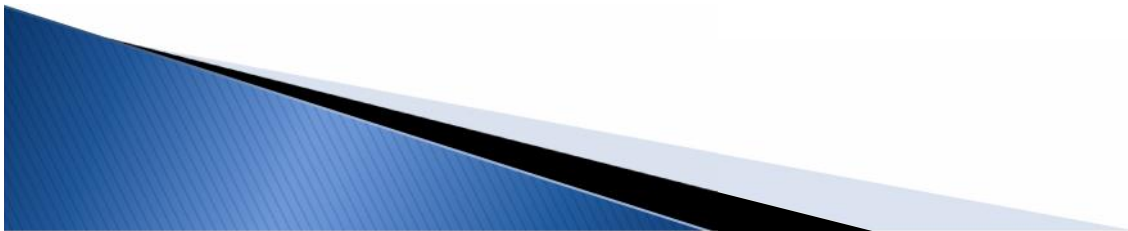
History of CEC GIS

- Op maps since 1979 (still hanging on today!)
- Digitized from taxlot maps in 1986, not GPS
- AM/FM (automated mapping facilities mgmt)–
(not interactive w/ data)
- In-house interactive mapping system in 1999
- OMS/Staking/GIS with Futura 2012
- ArcGIS Online 2013



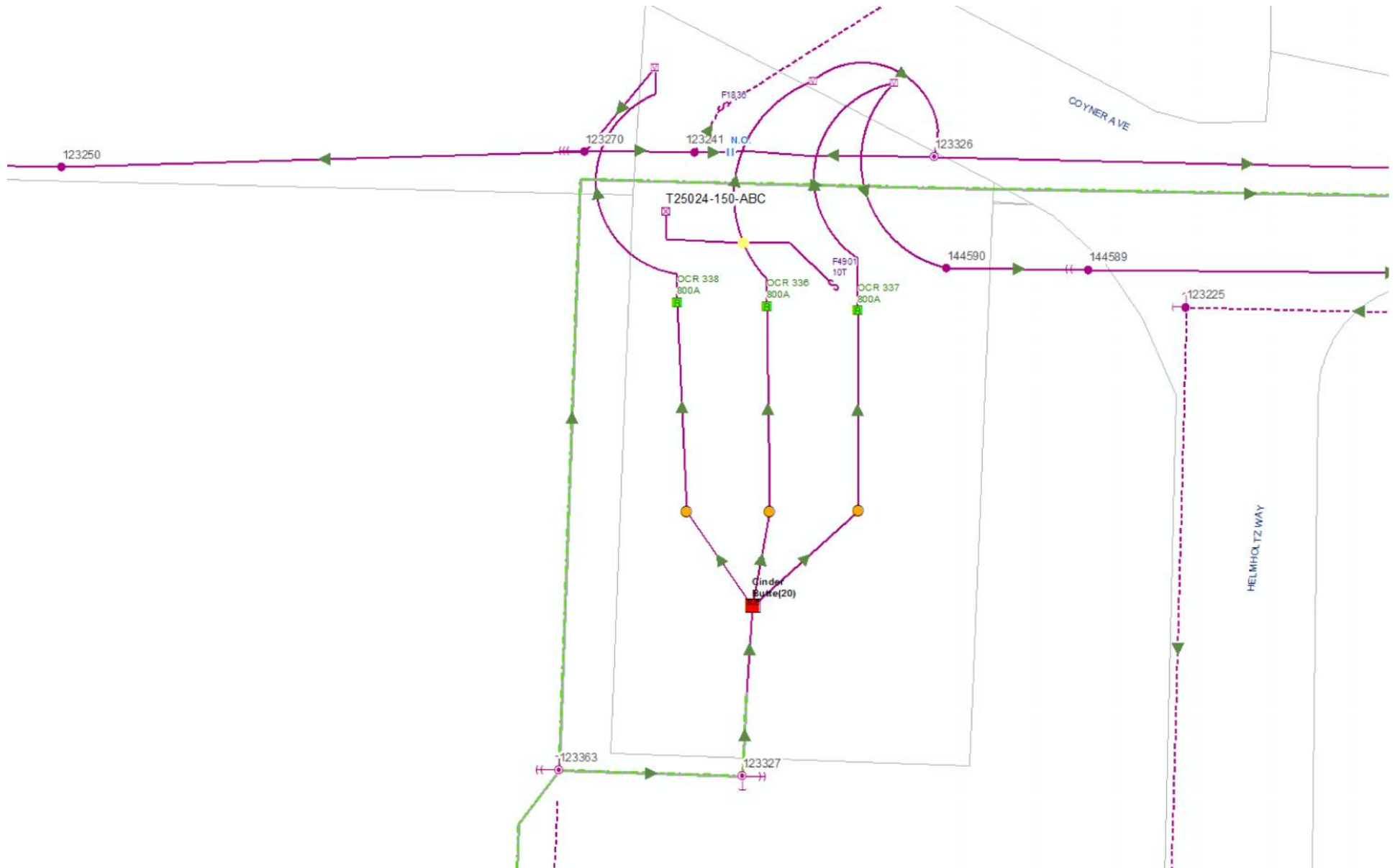
Where does the time go

- Posting new construction
- Map edits, data maintenance
- New easements, ROW permits
- Manage ArcReader, AGOL, laptop products
- Updating Operational Maps (& folding them!)
- Integration with other software (NISC, ABS, Windmil, OMS, TNS)
- Printing / Plotting for other departments
- Ad hoc maps
- Planned outage maps, meter lists
- Updating landbase sources
- Reviewing software/ devices
- SQL training
- Tree trimming Maps
- Updating Outage Management System
- SCADA
- Training staff on maps, software, etc
- Other random things
- Staking engineered jobs
- Substation one-lines
- Transmission one-line
- Data validation
- Software product “enhancements”

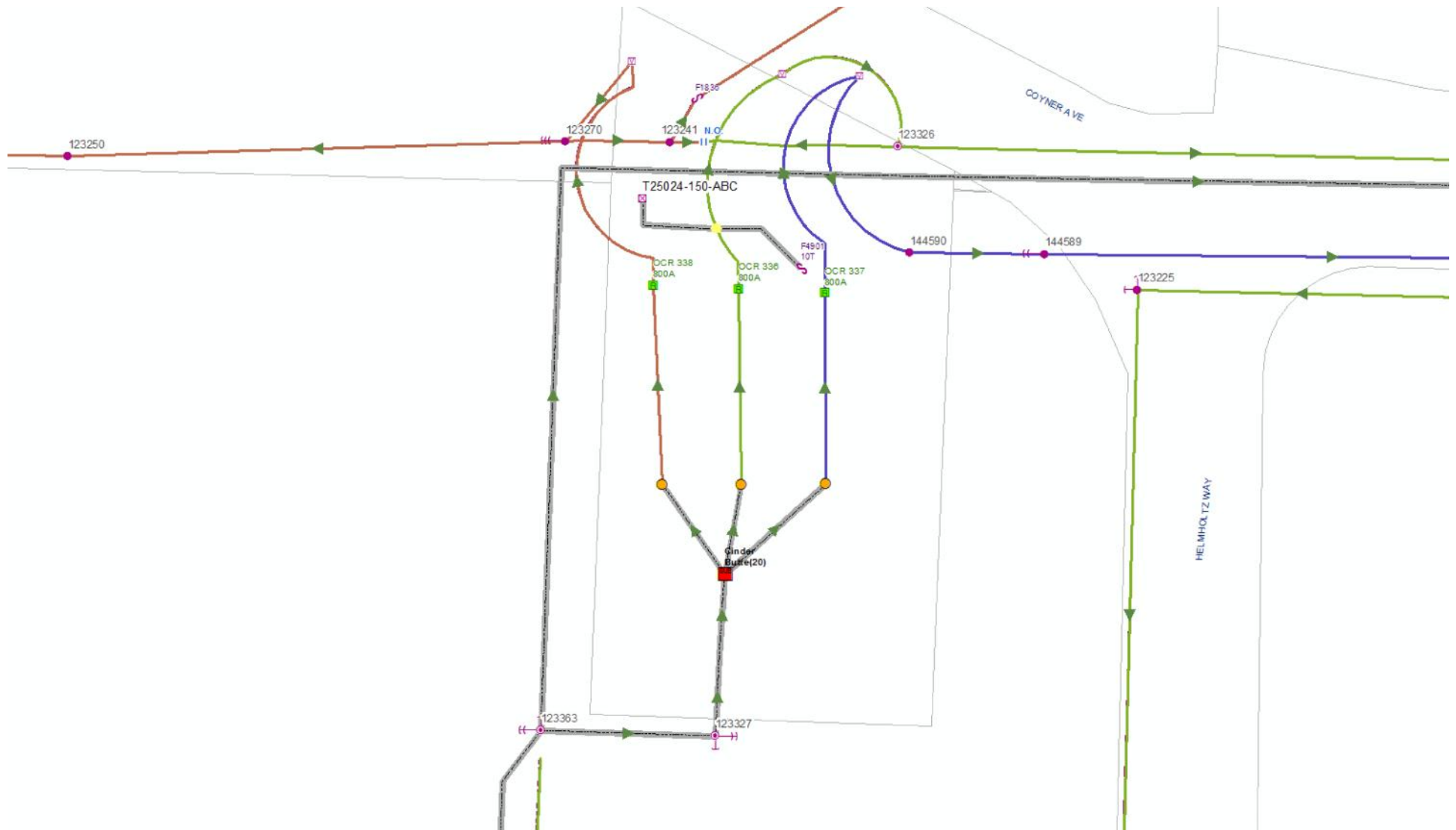


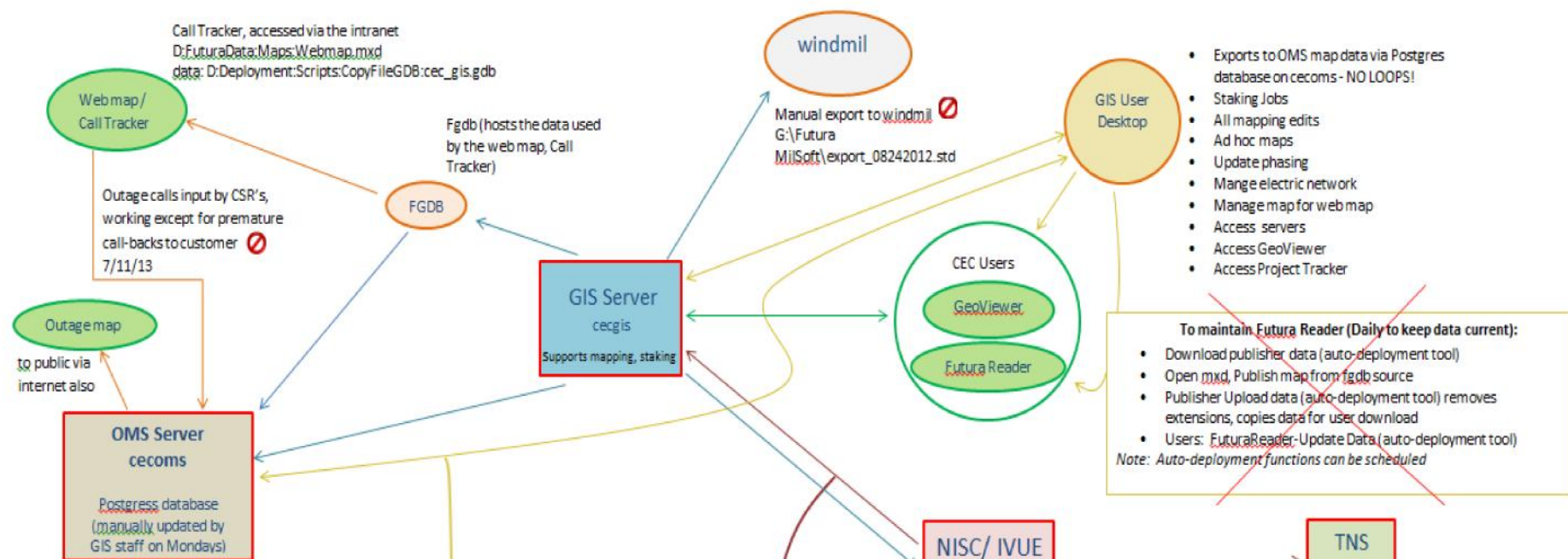


Cinder Butte Substation



Cinder Butte substation– feeder by color





Monday update OMS data Process:

- Export tool in mxd. goes to a postgress database on OMS server, populates the "new_" tables. Will only export active meters to OMS, must not have loops. Provides data for CIS tab in OMS
- (if not doing first thing in morning) Run copy FGDB - this task is run automatically each night on cecgis Server
Cecgis(D:)\Deployment\Scripts:
CopyFileGdb, runs nightly @ 2:00AM, creates: cec_gis.gdb, cec_gis_backup.gdb (previous)



GetNewExp...

Copies the pgdb from the cecgis server to cecoms server, supports the map in OMS
From cecgis\FuturaData\FGDB:cec_gis.zip to
C:\map_files:cec_gis.mdb (on OMS Server?)



OMS Model 64
bit New Data

This tool copies the "new_" data tables into the tables of same name (no "new-") in postgress database, on the OMS server.

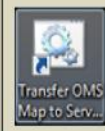


UpdateMap...
- Shortcut

This is on user desktop, copies data from OMS server to desktop for OMS tables
\\cecoms\Deployment\Update
Bat\UpdateMap_Files.bat

This tool on user desktop updates the OMS map layout:

\\cecoms\Deployment\Update
e Bat\Transfer OMS Map to
Server.bat



Transfer OMS
Map to Serv...

CIS to GIS:

- GET ALL nightly @ 8PM
- Compress of database nightly @ 10 PM

(to CIS Account Fields) Last Name, First Name, Middle Name, DBA name, home phone, day phone, bill add1, bill add2, bill city, bill state, bill zip
(to CIS Locations Fields) LOC number, custID, Account number, billing cycle, connect date, custID, disconnect date, grid location, revenue class, serv add1, serv status, special needs
(to CIS Meter Fields) MeterID, serialNumber

GIS to CIS:

Boarddist, Feeder, linkedtransbankID, phasercd, township, range, section, servcity, substationcode

- Supports CSR's, all customer information
- Supports Staking Picking and Estimate lists (ABS)

- Sends changes made in IVUE only - will not send changes to meter substation made in GIS-
- TNS is the definitive source for phase
- Supports AMI phasing
- Supports OMS pings
- Must know which substation bus meters are on

Recent Projects

- Light Inventory, City of Redmond
- Underground Cable Replacement
- Landbase Update– get our lines onto your taxlots

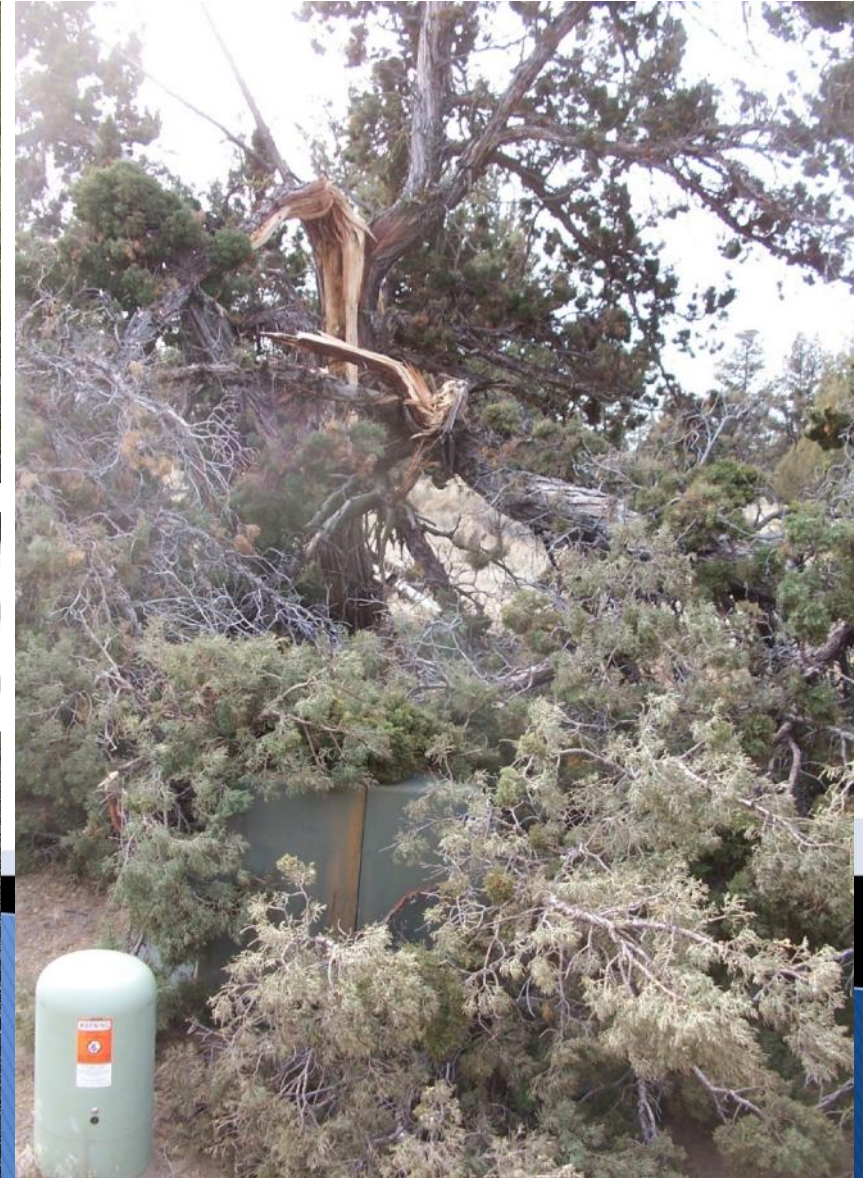


Useful– ArcGIS app for I-phone

- Built using data from ArcGIS Server, accessed via ArcGIS Online app, with added security level to see equipment/outage data.
- Accessible anywhere, anytime an outage call comes in.
- Managers love this.



Top Five NON-APPROVED ways to disguise a CEC transformer in your yard:





The end

