

Crow Wing Powers Transition from CAD to ESRI- Getting Buy in Marc Williams

GIS Systems Administrator
Crow Wing Power





Crow Wing Powers Transition from CAD to ESRI

- Marc Williams- GIS Systems Administrator
 - At Crow Wing Power for last 3 years
 - We currently have 3 part time mappers, that also serve as Systems Operators, and/or Stakers
 - 12 Years as GIS Specialist at Crow Wing County
 - 2 Years at Widseth Smith Nolting as GIS Administrator in Brainerd previous to Crow Wing County





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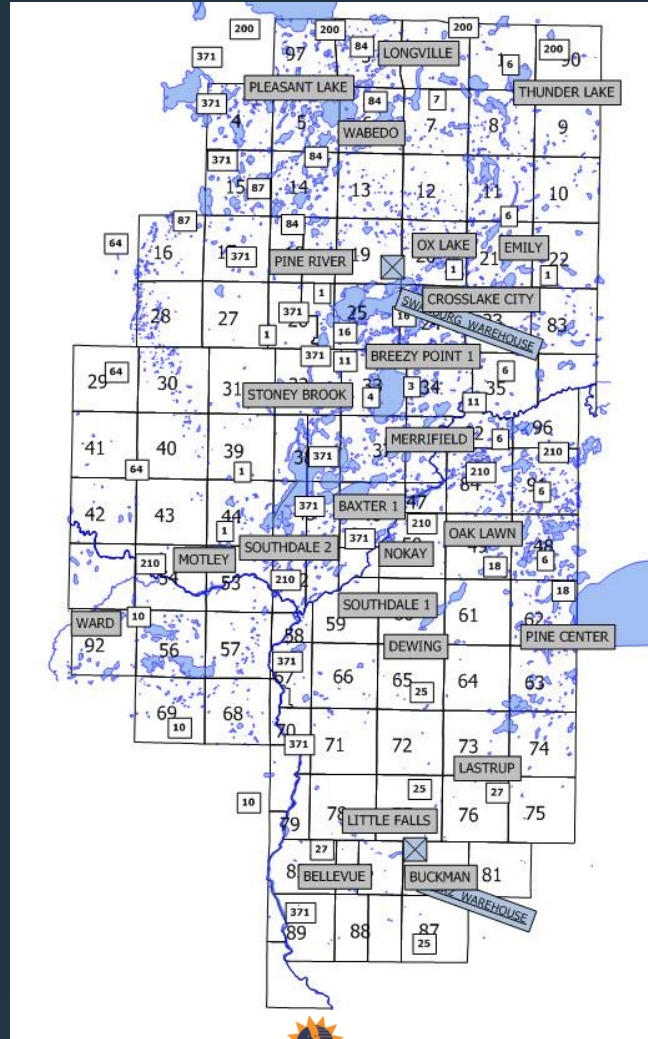
- Crow Wing Power is Located in Brainerd, Mn.
 - We serve about 43,000 customers and have a service territory extending from Hackensack on the North end, to south of Royalton on the south. West to Outing/Staples, and to just west of Garrison on the East side.
 - We have approximately 100 employees, most based out of our main office just north of Brainerd, and the rest based out of our 2 outposts in Pierz and Pine River.
 - We currently have 24 Substations serving our Members





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Crow Wing Power
Service Territory





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- We started our Conversion Process Discussion in the Fall of 2014
 - Started with CoO and Manager of Engineering, and included them on the very first round of demos.
 - I let the Companies doing the Demos help me do the selling of what an ESRI Conversion could help do for our employees and members
 - We narrowed the list down to the 5 that we would show to the group of employees that were asked to participate in the selection process.
 - Committee made of:
 - 1 System Operator
 - 3 Stakers
 - Staking Supervisor
 - 2 Linemen
 - 1 Customer Service Rep.
 - Billing Coordinator
 - 1 more from Billing who is in charge of entering data into NISC
 - Substation Engineering Technician

I picked a diverse group of employees, that I knew would not be negative just to be negative, would be heavy users, and would give honest opinions.





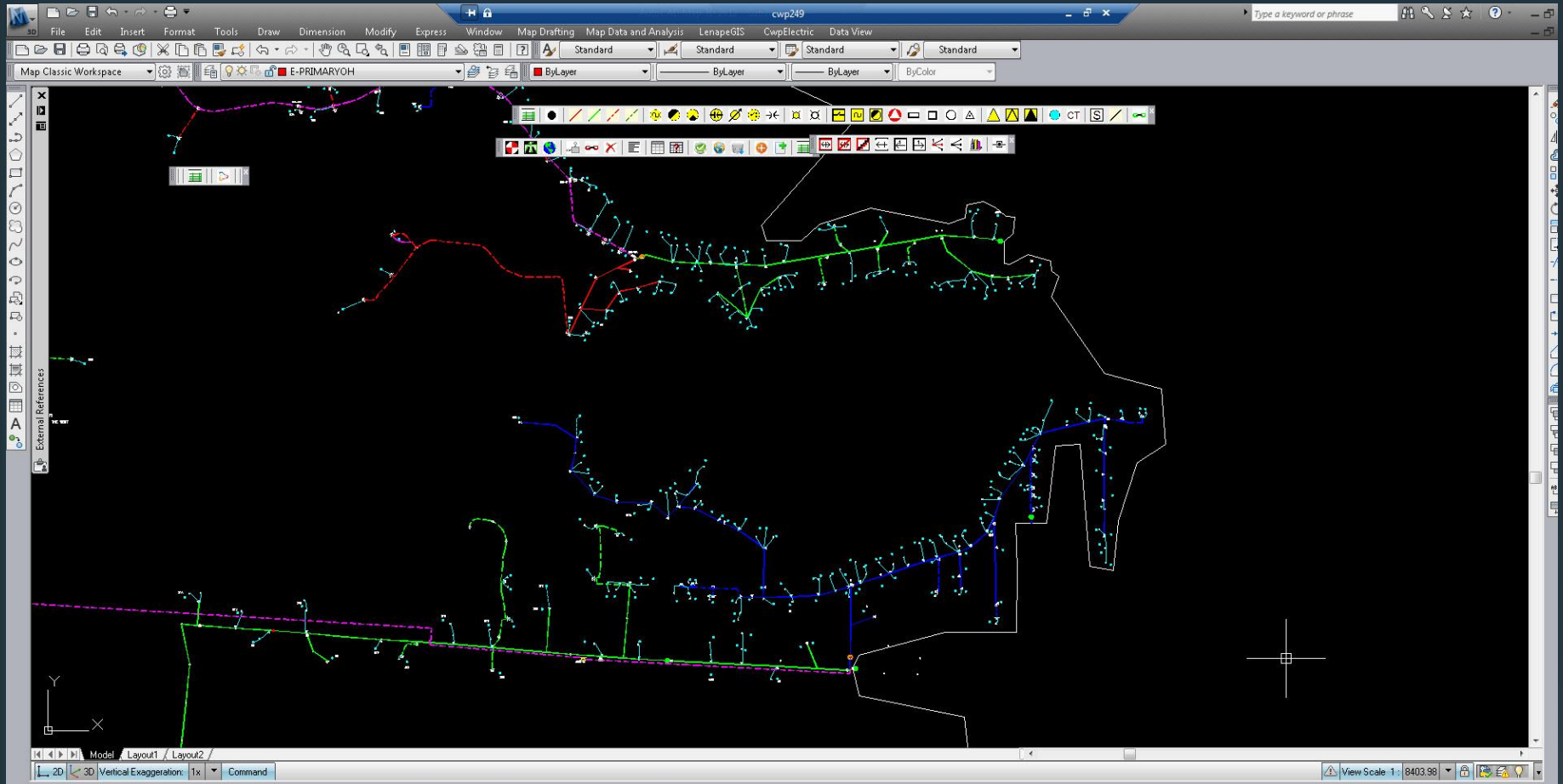
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- We had web demos with several of the prospective companies, and onsite visits from 3. Our group was extremely happy with the companies that put in the time and expense to actually volunteer to come and visit us.
- Because of limited ESRI experience amongst the group, and some false promises from previous vendors, the finalists were all companies that actually “showed” us what they could do and their products, and didn’t just tell us what “could” be done. That thought process may have limited us to some degree, but again, to get buy in from the group, I wanted to make the selection that the majority agreed on, not just myself making the selection.
- Currently have implemented 5 Staking laptops, 6 Surfaces for Meter Dept. running the Mobile application, the internal viewer has been rolled out, and the first couple iPads hit the road last week.





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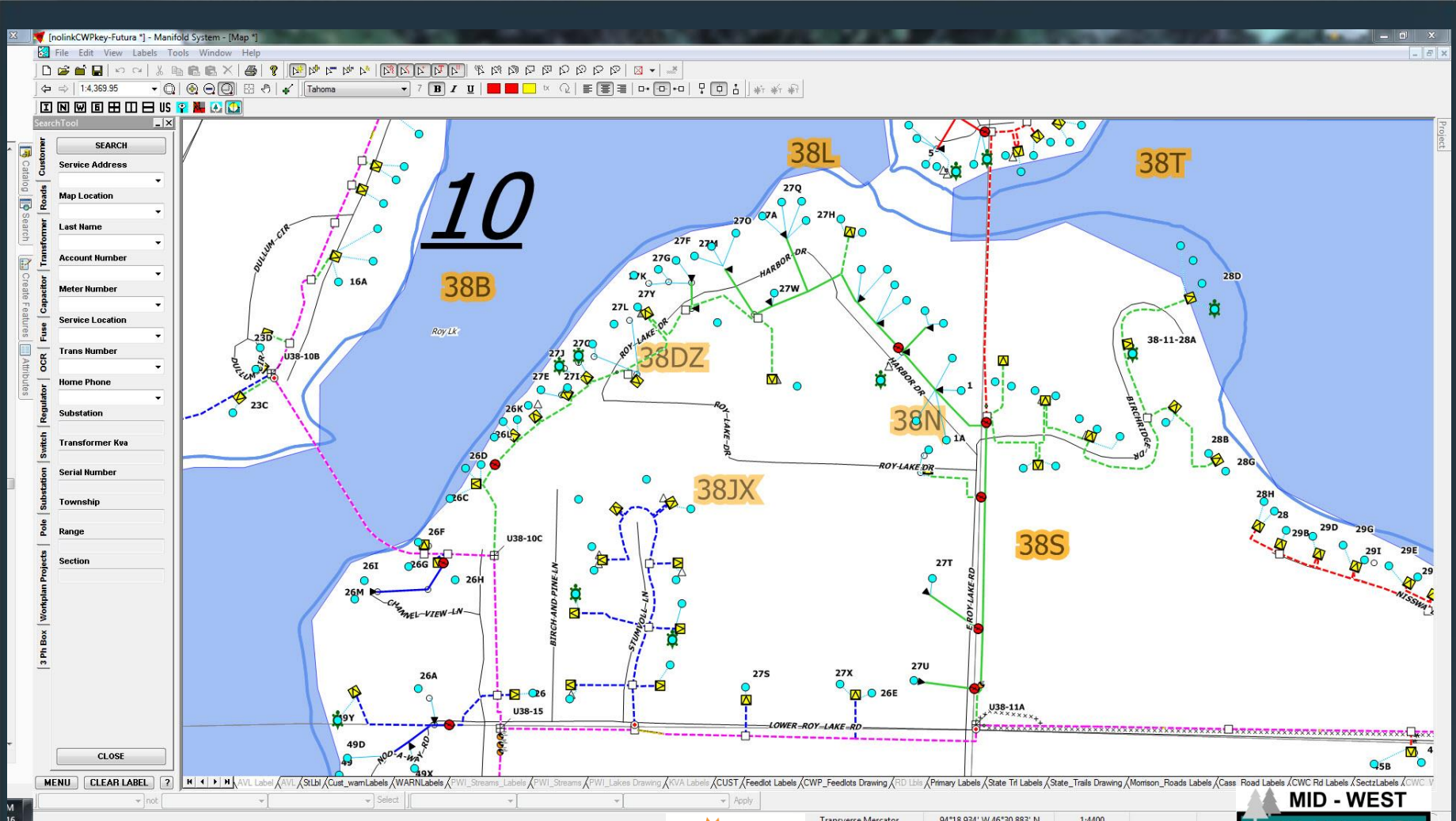


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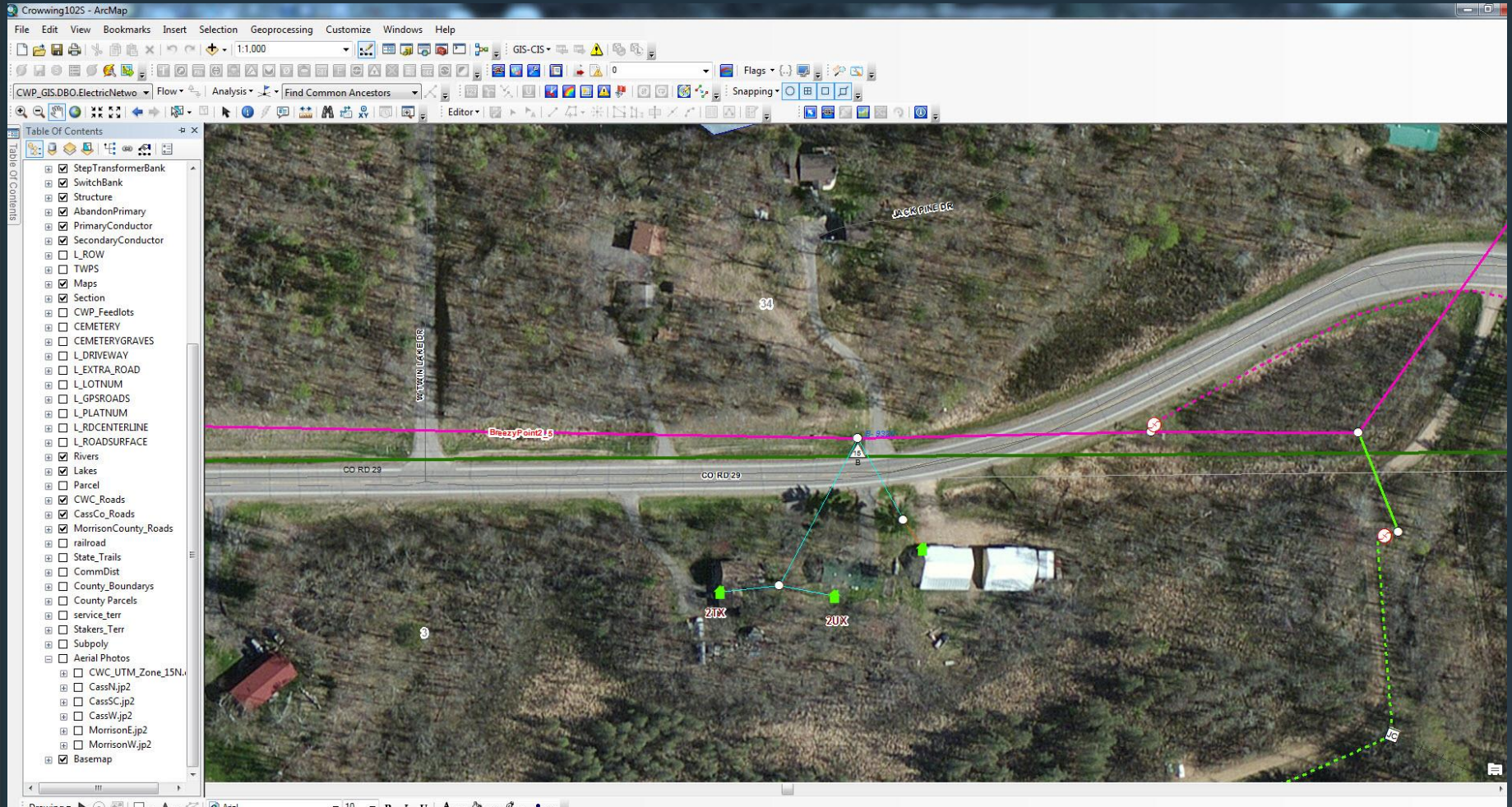


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The screenshot displays the ESRI ArcGIS software interface. The main window shows a utility network map with various assets represented by colored symbols and lines. A search panel on the left is active, showing a search for 'Consumer' assets. The search results list several asset types: Consumer, Transformer, Redoser, Structure-Pole or Pad, Substation, Switch, Fuse, Capacitor, Regulator, Light, and Sectionalizer. The map shows a complex network of lines and nodes, with a central area labeled 'MERRIFIELD 9907C'. The status bar at the bottom indicates the current tool is 'Pan' and provides coordinates: [X]:2649182.68463, [Y]:864571.697033 F.





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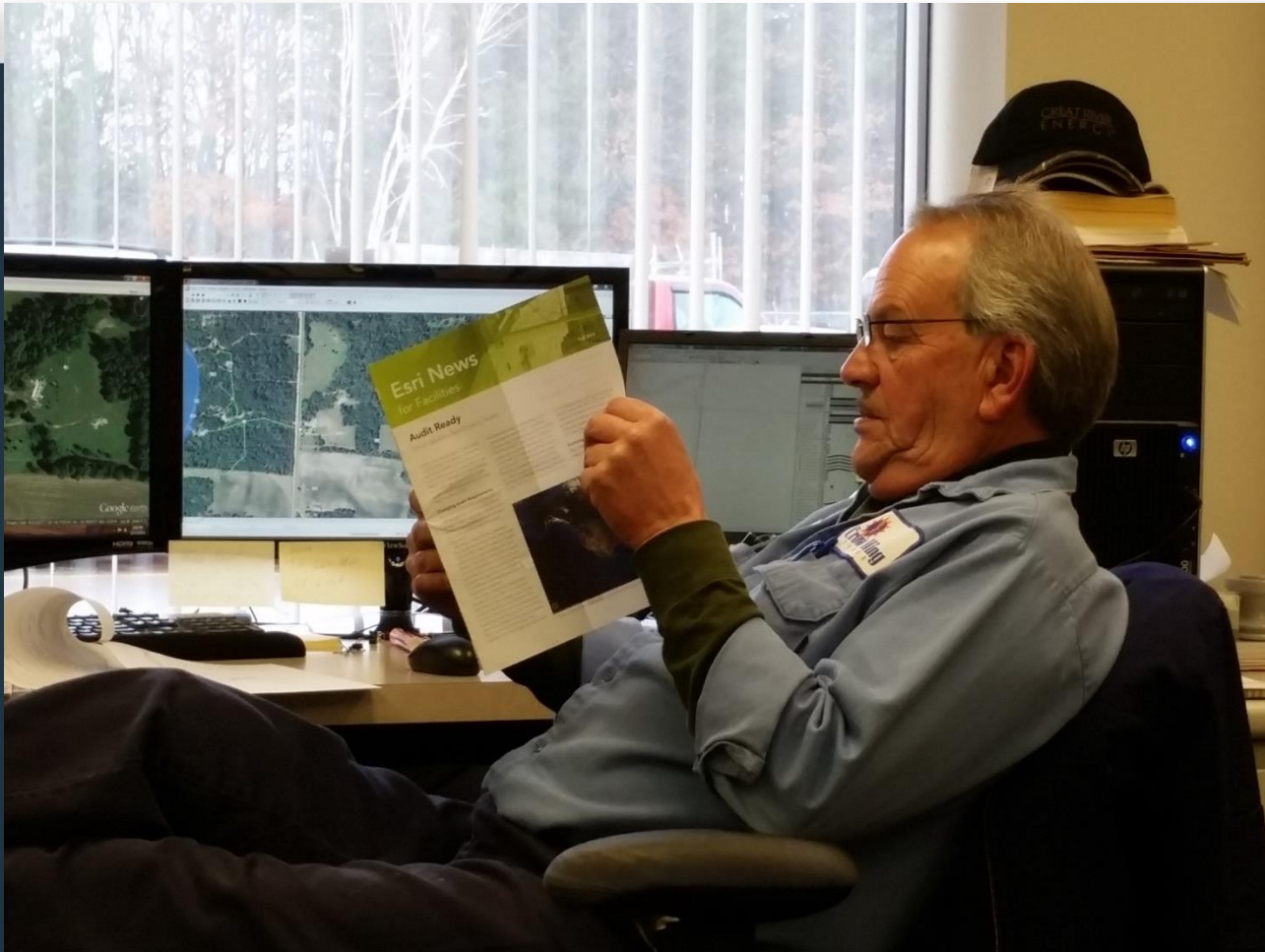
The screenshot shows the ArcMap interface with the following components:

- Staking Item Form:**
 - Item Name: 2 ACSR
 - Status: Existing
 - Length: 272
 - Quantity: 544
 - Wires: 2
 - Wire Type: Primary
 - Span Type: Conductor
 - Neutral: 2 ACSR
- Staking Job Form:**

Name	Status	Comment
1	Existing	
2	New	
3	New	
- Table of Contents:**

Unit	Qty	Status	Comment
35-5	1	Existing	
G1.3	1	Existing	
2 ACSR	544	Existing	
4/0 ACSR	544	New	
- Map Labels:** 30 COOPER RD, 31, BAKER, CROSSOVER, STATE HWY 501, LAKE FOREST RD, ADDLEWAY.





If we can convince this guy, we should be able to convince anyone!