

Welcome!



People's Energy Cooperative

Your Touchstone Energy® Cooperative 

Wi-Fi

W3lcomeToPEC!



SE Minnesota GIS Users Group

Winter 2024 Meeting

People's Energy Cooperative
Oronoco MN

People's Energy Cooperative Quick Facts

- 25,000 Meters, 20,000 Member-Owners
- 32 Distribution Substations
- 2836 Miles of Line
- 1141 Square Miles of Service Territory (Olmsted, Dodge, Mower, Fillmore, Winona, Wabasha Counties)
- 65 Employees
- (including 2 GIS Techs 😊)



2022




**SOUTHEAST
MINNESOTA**

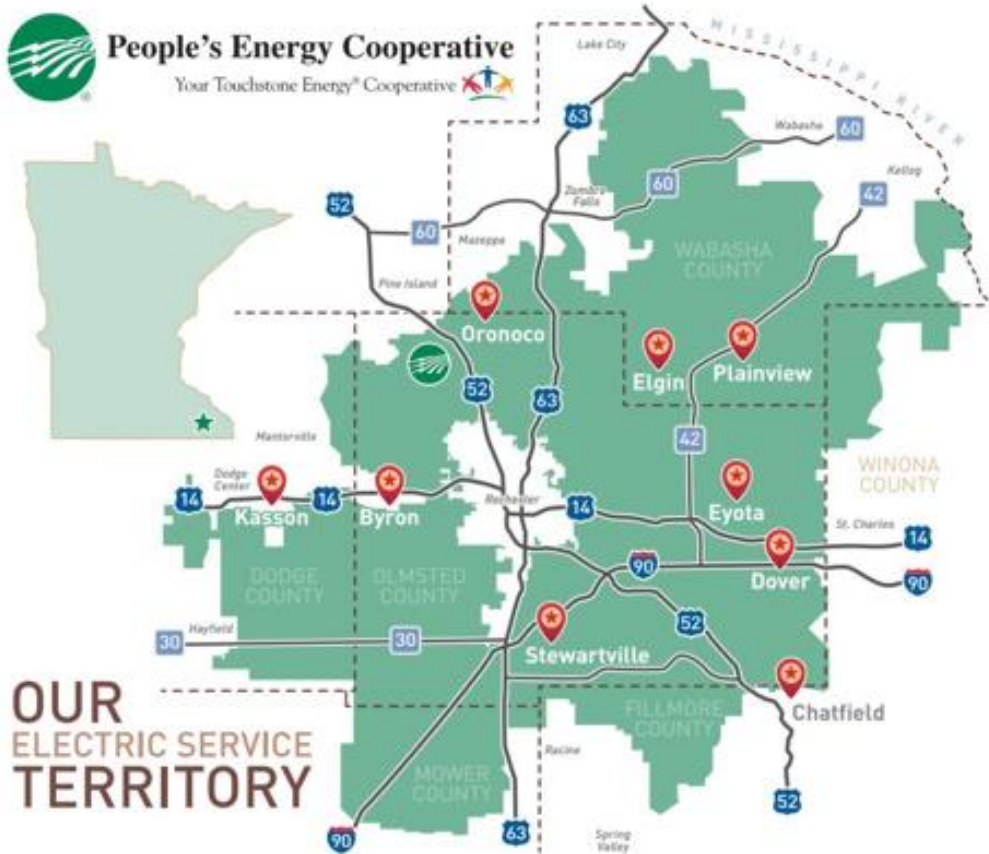
**Employer
of Choice**





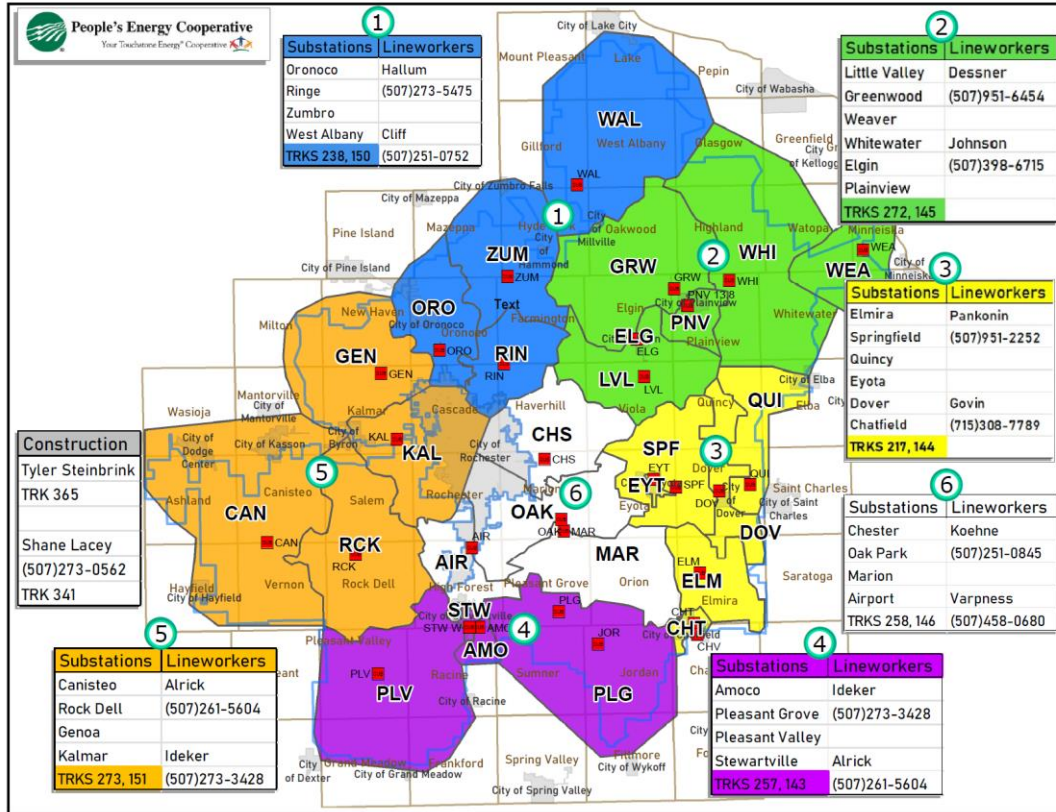
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Your Touchstone Energy® Cooperative 

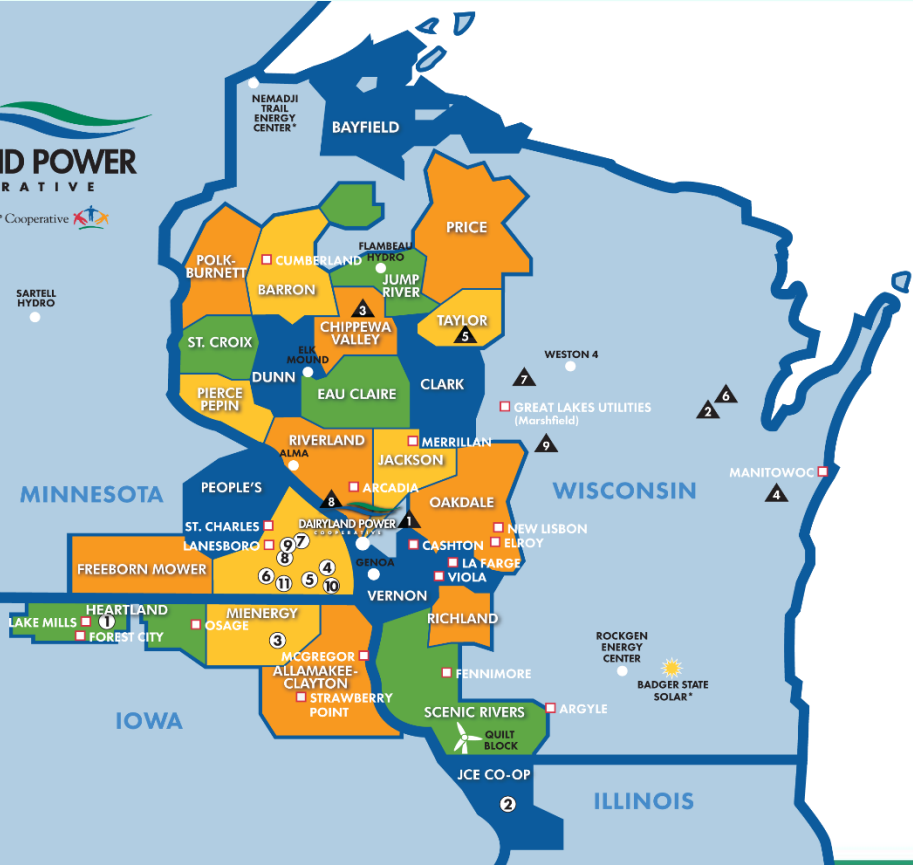


**OUR
ELECTRIC SERVICE
TERRITORY**

6 Service Area Crews, 2 Construction Crews



Transmission – Dairyland Power Cooperative



- A8 MEMBERS**
- HEARTLAND**
 - ① GRAFTON, IA
 - JCE CO-OP**
 - ② HANOVER, IL
 - MIENERGY**
 - ③ LAWLER, IA
 - ④ CALEDONIA, MN
 - ⑤ SPRING GROVE, MN
 - ⑥ HARMONY, MN
 - ⑦ RUSHFORD, MN
 - ⑧ WHALAN, MN
 - ⑨ PETERSON, MN
 - ⑩ EITZEN, MN
 - ⑪ MABEL, MN

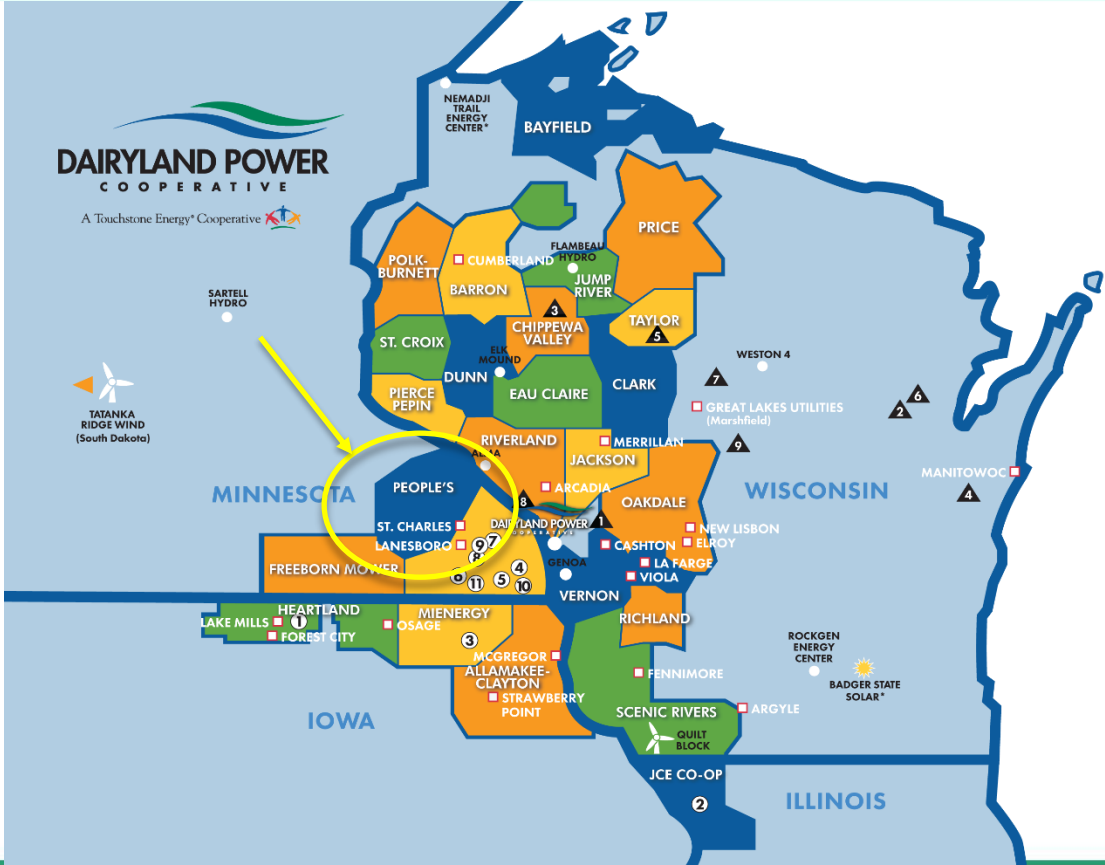
■ CLASS D MUNICIPALS

- GREAT LAKES UTILITIES POWER SUPPLY MUNICIPALS**
- ▲ 1 BANGOR, WI
 - ▲ 2 CLINTONVILLE, WI
 - ▲ 3 CORNELL, WI
 - ▲ 4 KIEL, WI
 - ▲ 5 MEDFORD, WI
 - ▲ 6 SHAWANO, WI
 - ▲ 7 STRATFORD, WI
 - ▲ 8 TREMPLEAU, WI
 - ▲ 9 WISCONSIN RAPIDS, WI

*Planned Facilities



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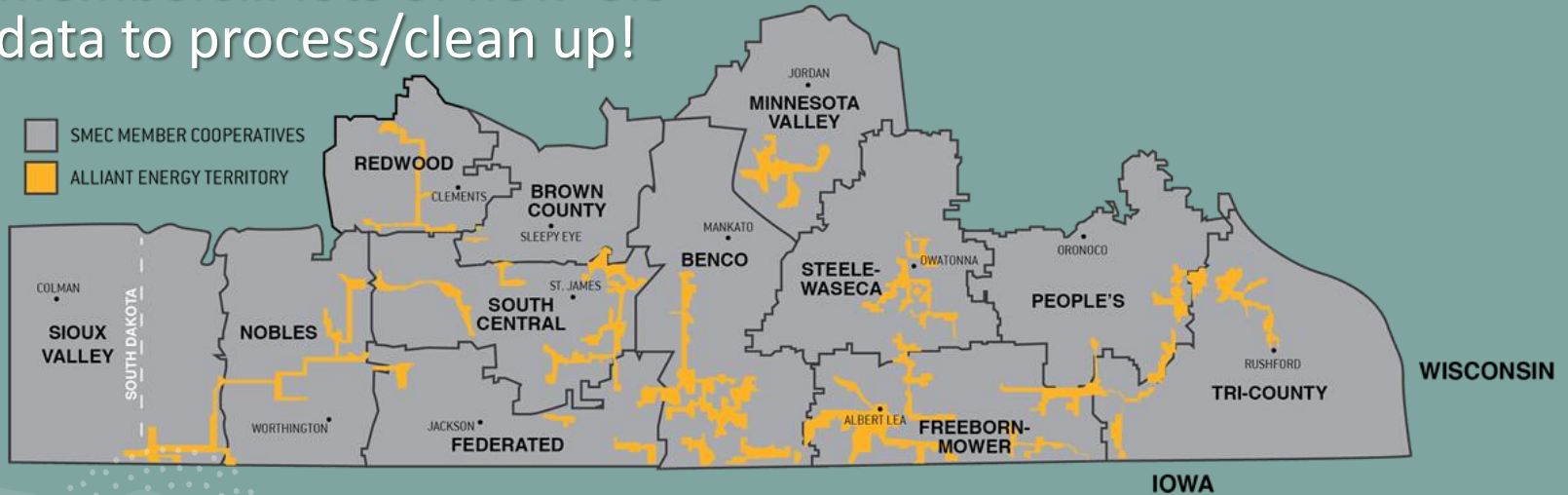
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July 31, 2015: SMEC Acquisition

~ 7000 Alliant Energy customers became PEC members... lots of new GIS data to process/clean up!



PEC GIS: ESRI + NISC



esri



niscTM



PEC GIS: ESRI + NISC



esri



niscTM



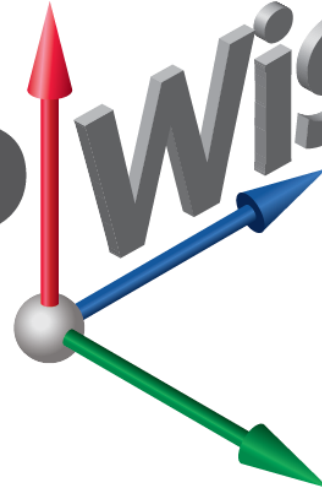
National Information Solutions Cooperative

NISC MapWise (AKA iVue Mapping & Staking)



NISC MapWise (AKA iVue Mapping & Staking)

NISC MAPwise™



Built on



ArcGIS



MapWise/iVue Mapping & Staking

The screenshot displays the MapWise/iVue software interface. The central map shows a utility network with various components like lines, stations, and transformers. The left-hand panel lists layers for Staking and Mapping. The right-hand panel shows the 'Map Identify' dialog box with a 'Selection Set' of 'gs_service_point' and a detailed data entry form for a specific service point.

MapWise/iVue Mapping & Staking

2509abs 25099 - Peoples Cooperative Services iVue Mapping and Staking | C:\iVue_mapping_staking\gs25099.mxd

File View My Favorites Mapping Help

Navigation TOC ?

Layers

- Staking
 - st_anchor_guy
 - st_capacitor_bank
 - st_electric_station
 - st_misc_symbols
 - st_overnurrent_device
 - st_service_point
 - st_street_light
 - st_support_structure
 - st_surface_structure
 - st_stationAanno
 - st_station
 - st_switch
 - st_trees
 - st_transformer
 - st_voltage_regulator
 - st_misc_lines
 - st_roads
 - st_span
 - st_span_guy
 - st_print_area_ref
 - st_workorder_ref
 - st_misc_text
 - st_workorder_only_text
- Mapping
 - gs_electric_station
 - gs_overnurrent_device
 - gs_distributed_generation
 - gs_ev_charger
 - Neutral Isolator
 - gs_service_point
 - gs_station
 - gs_splice
 - gs_wire
 - gs_fault_indicator
 - gs_street_light
 - gs_transformer
 - gs_capacitor_bank
 - gs_support_structure
 - gs_switch
 - gs_surface_structure
 - gs_voltage_regulator
 - single_line-gs_span
 - gs_span
 - gs_span_guy
 - gs_anchor_guy
 - Proposed UG Spans

Map Identify

Identify From: <Selectable layers> Limit: 1000

Selection Set: Location: -92.535383 44.146043 Decimal Degrees

Feature Assemblies Relationship(s) Fields History Row History

gs_service_point

OBJECTID: 23770

gs_service_map_location: ORO-20-28UM

gs_service_number: 22030

gs_account_number: 2203000

gs_name: PEOPLE'S COOPERATIVE SERVICE

gs_first_name: iVUE SERVICE

gs_last_name: PEOPLE'S COOPERAT

gs_service_address: 1775 LAKE SHADY AVE SOUTH

gs_service_address_2:

gs_city: ORO3000

gs_state: MN

gs_zipcode: 55560

gs_phone_number: 3677000

gs_substation: ORO

gs_feeder_number: 1

gs_transformer_id: 1109190161

gs_rate_class: PE02L

gs_service_current_rating: 200 Amps

gs_billing_cycle: 1

gs_idle:

gs_install_site:

gs_installation_date:

gs_meter_number: F52169

gs_meter_position: 1

gs_meter_rating: 95

gs_meter_type: Instrument Transformer

gs_meter_seal:

gs_description:

gs_phase: ABC

gs_date_created: 11/02/2011 14:21:53

gs_date_modified: 11/02/2011 14:25:28

gs_subtype_cd: Service Point

gs_service_status: 9

gs_comments:

gs_has_generator: N

gs_connection_type:

Upstream
gs_span
ORO
single line
Downstream

Editor Target: gs_station

Current Station Staking Sheet Place Features Queries Easement Right-Of-Way GPS Tools

This selects which layer(s) display in the dialog box.

ArcMap is being sunsetted in 2026...

- NISC's iVue Mapping ("MapWise 2.0") will be built on ArcGIS Pro. For the Field Engineers, PEC has recently transitioned to iVue Connect Staking, also based on ArcGIS Pro.
- GIS Techs continue to use desktop iVue Mapping & Staking ("MapWise")



PEC is a “Full NISC Shop”

- NISC Customer Information System (“iVue Service”)
- NISC Outage Management System
- NISC Accounting & Billing Solutions (“iVue Financials”)
- Other NISC apps (Meter Data Mgmt for Tantalus AMI metering, etc.)



Going Forward

- We are looking to learn more about Pro!
- ...and to learn more about and utilize other ESRI apps (Dashboards, Web AppBuilder, Experience Builder, etc).
- Currently NISC apps using GIS data handle some of this load (TuNet too).



CALLING ALL MID-WEST UTILITY GIS USERS

Please share
with others that
would benefit,
users/sponsors.



This year:
April 3rd - 5th, 2024
St. Cloud, Minnesota

Our annual conference is a place to learn, network,
troubleshoot & create pathways for the future in
utility GIS.

Registration is open!

See registration and hotel links
below.

Venue: Best Western Kelly Inn
100 4th St S
Downtown St. Cloud



THE 2024 CONFERENCE REGISTRATION IS OPEN

MID - WEST



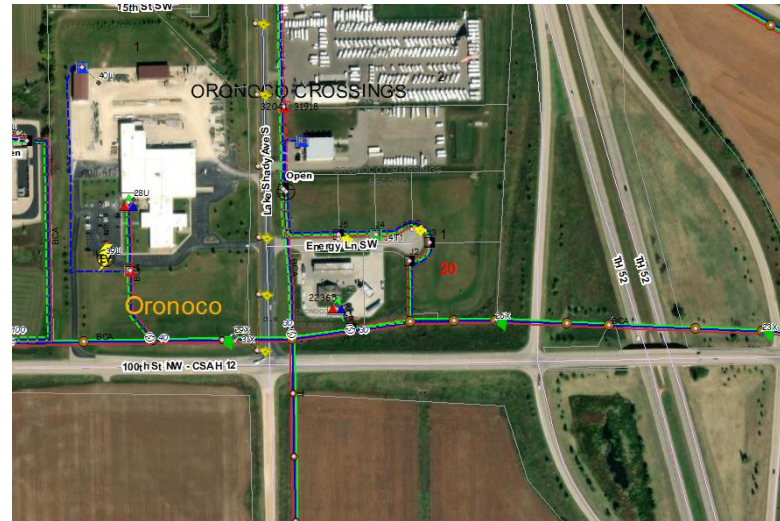
WWW.MWEUUG.COM



Attn: Utility GIS Users/Vendors!
Conference Plug Alert... 😊

Questions?

Thank you!



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ndvorak@peoplesenergy.coop