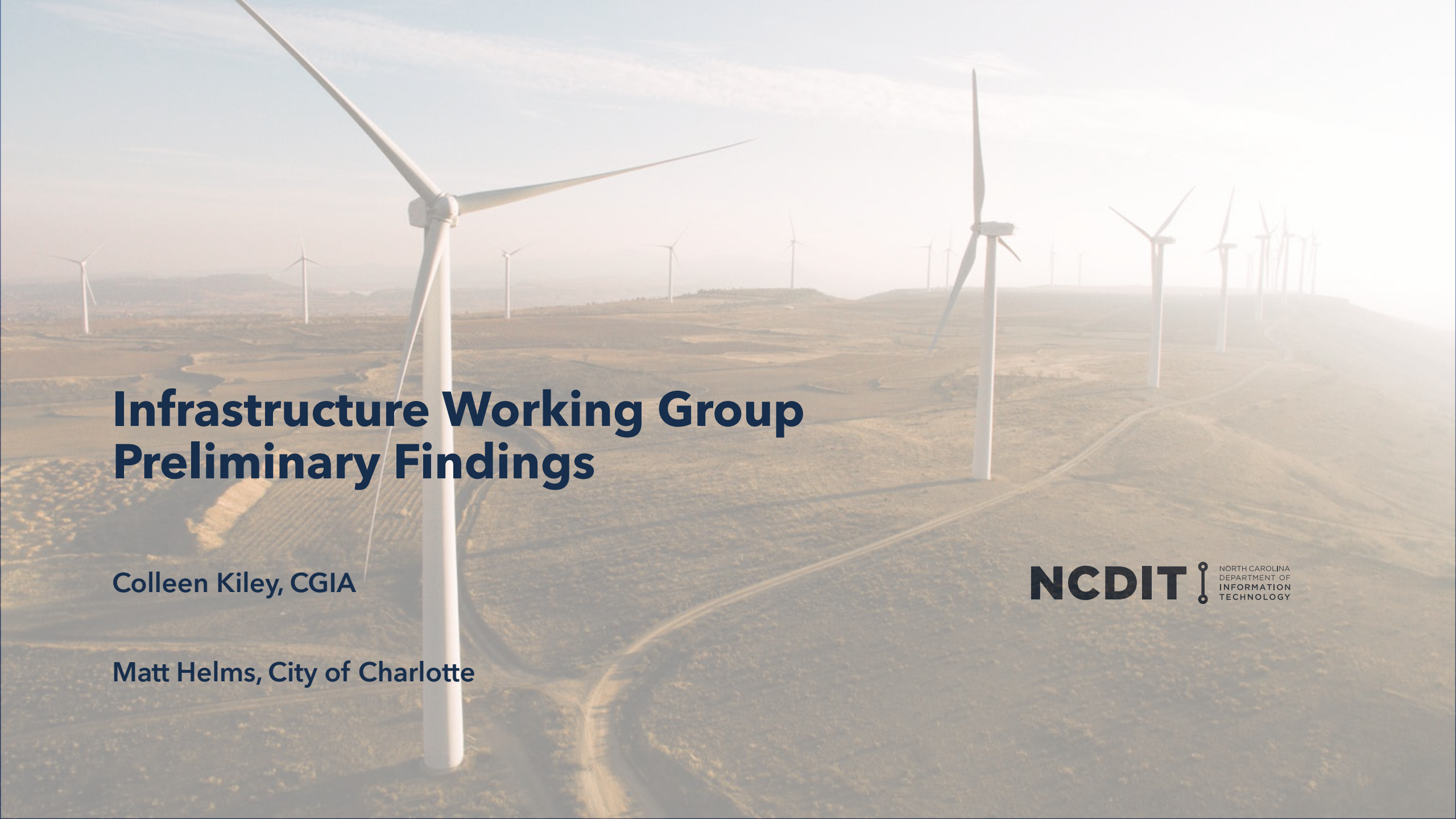

Infrastructure Working Group Preliminary Findings

Colleen Kiley, CGIA

Matt Helms, City of Charlotte

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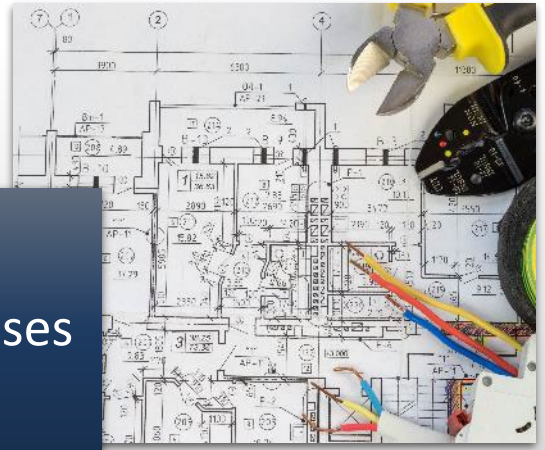
Infrastructure Working Group Tasks

- Document Common Layers
- Investigate Security Issues
- Document Use Cases
- Investigate industry standards and best practices
- Data sharing agreement examples
- Data sharing policy examples
- Disclaimer examples
- Data Sharing methods

Our Process

Use Cases



Interviews

Research

Surveys

Group Discussion

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Data Sharing Options
Risk vs Reward

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Why share openly?

We are able to prevent service disruptions

We have very few requests that can't be handled by simply directing them to our Esri Hub site.

Helps developers understand what is available to them when considering property development.

we are able spend time developing robust datasets.

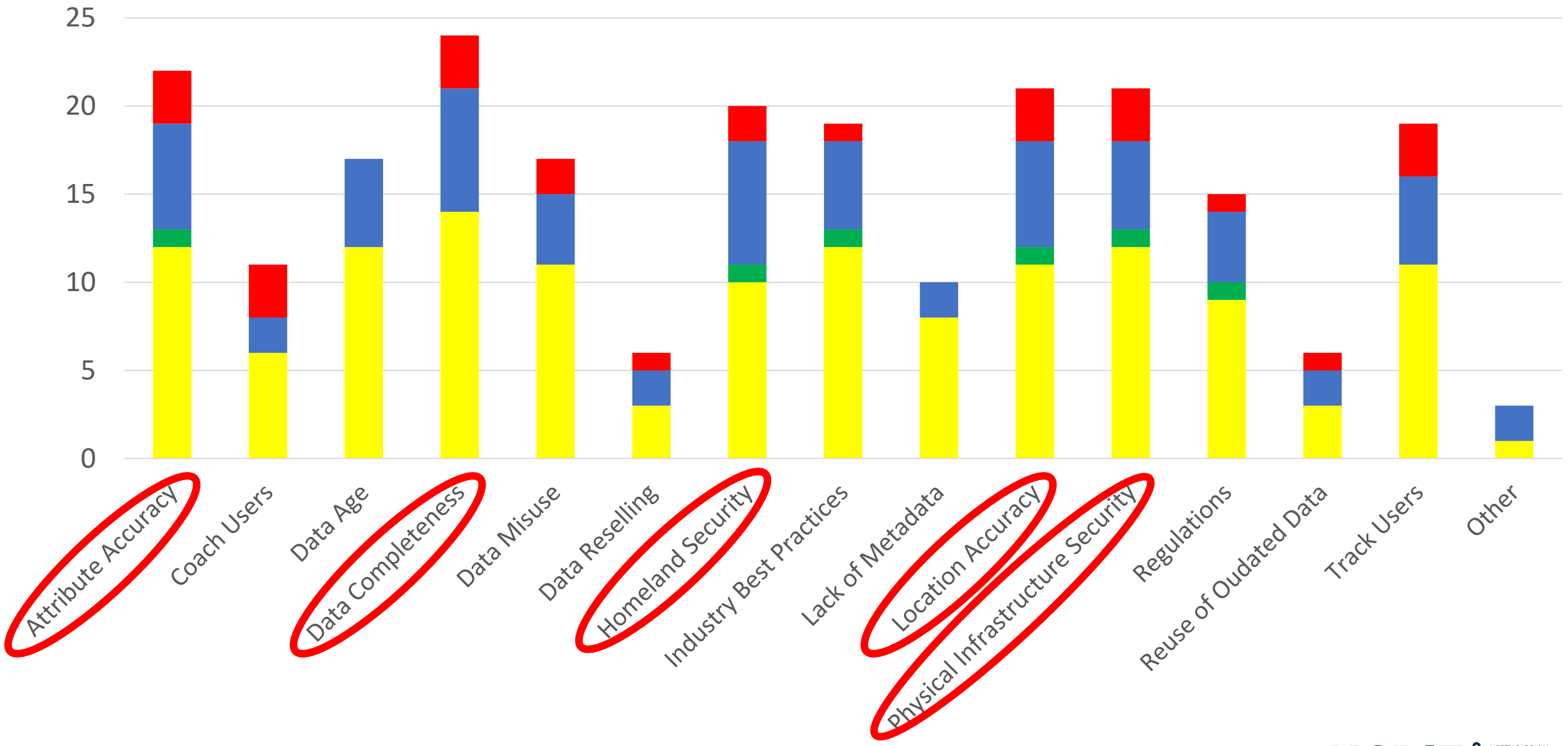
Why not share?

Homeland Security classifies utility data as sensitive and not to be shared outside of the organization.

Our water data used to be available to the public. We were asked to keep it internally as it was a direct target for domestic terrorism.

We cannot verify the completeness or accuracy of the data.

Factors Influencing Water Data Sharing Practices



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Vision: Secure Data Sharing

- Hybrid Open/By Request system
- One stop shop
- Credentials required
- Owner maintained

- Not impossible: HIFLD

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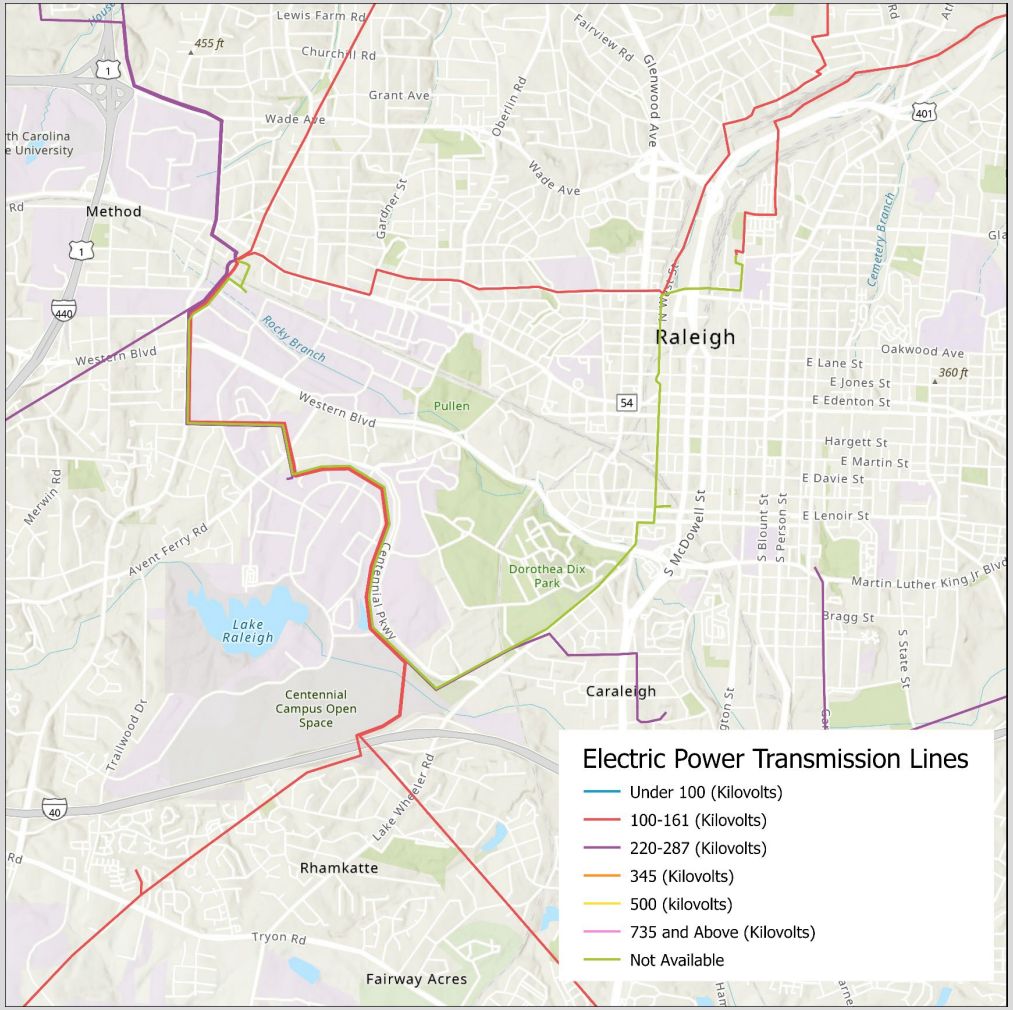
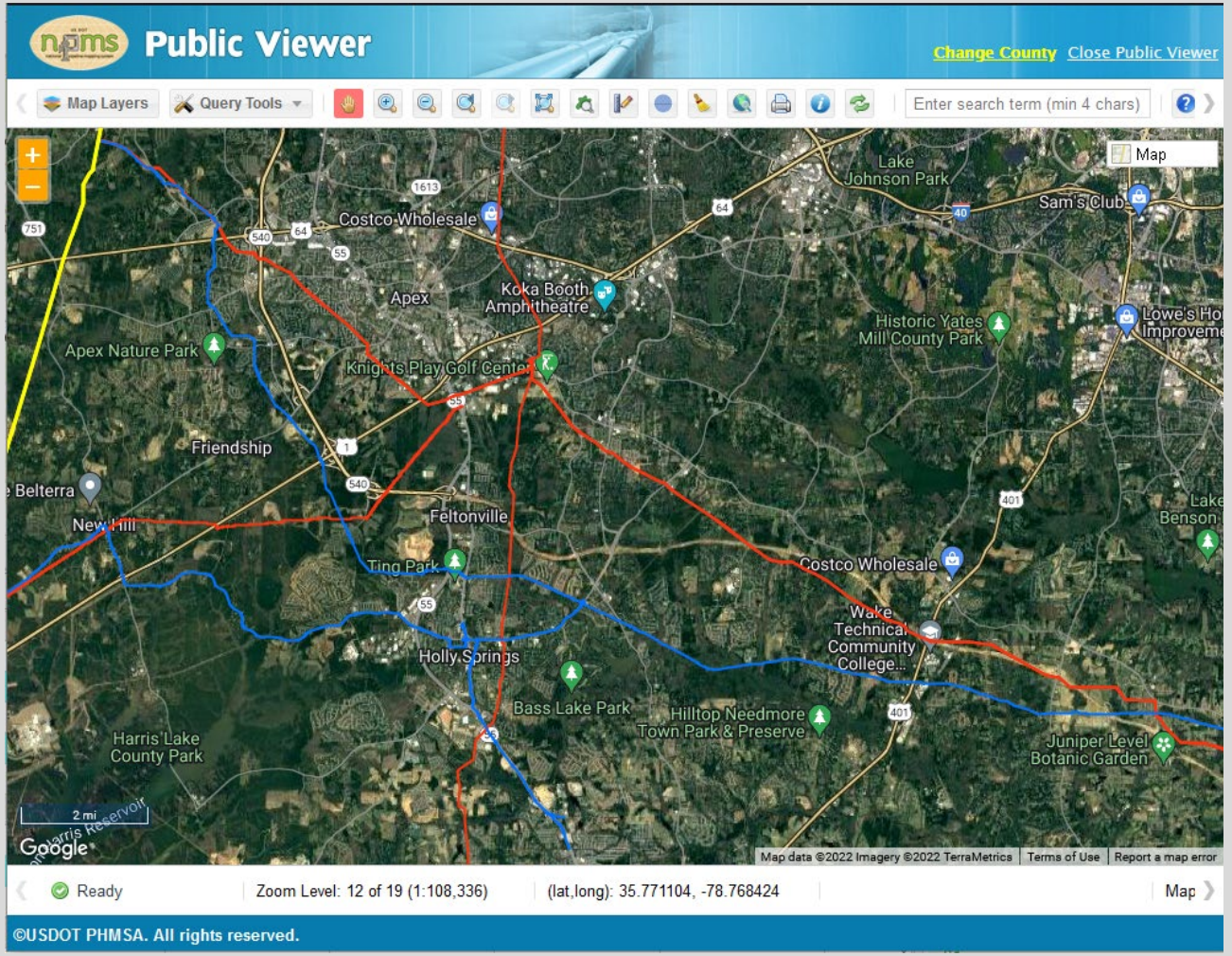
The Gray Areas

Where are the Best Practices?

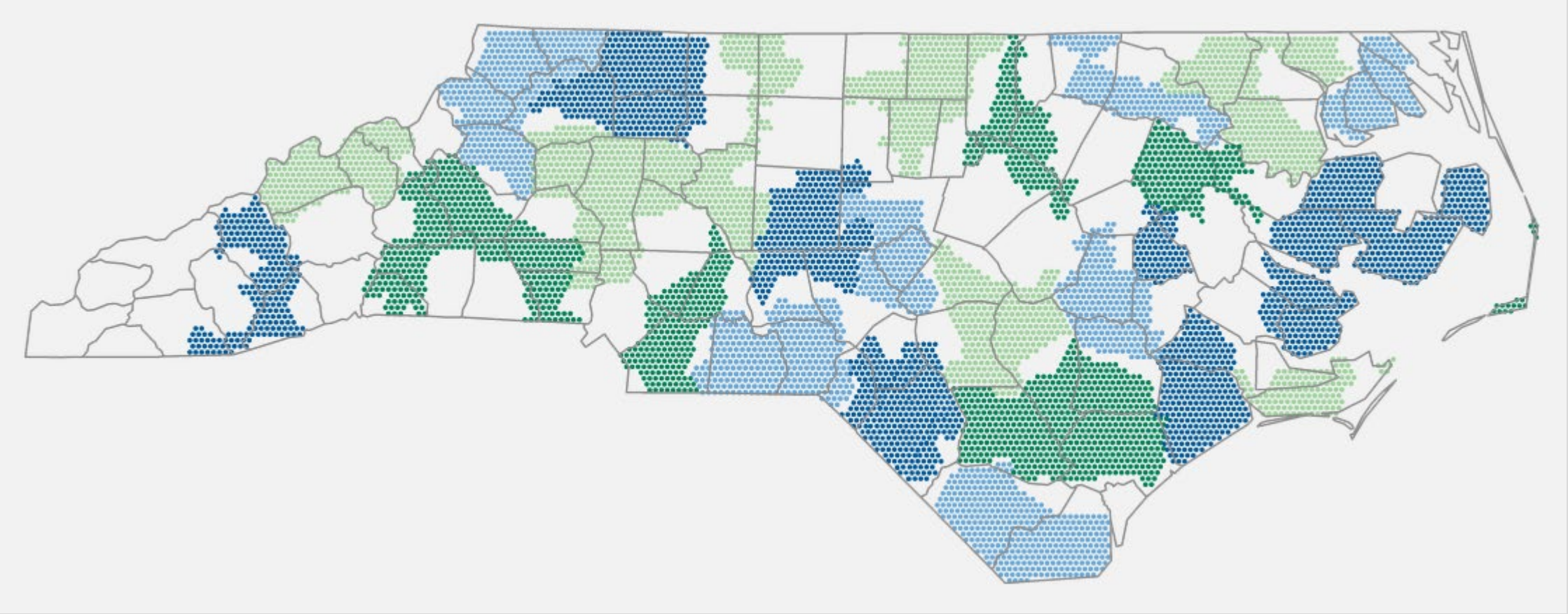
What is the best level of detail?





Sometimes it isn't easy: Service Areas

- What is a service area?



www.ncelectriccooperatives.com/our-members/

Recommendations for Local Data Providers

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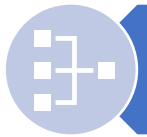
Data Provider Recommendations

Write a data sharing agreement.

Write internal data maintenance and sharing procedures.

Write data disclaimers for webservices and metadata.



Evaluate and update geometric accuracy and completeness.

Evaluate and update attribute accuracy and completeness.

Complete metadata.

Develop secure regional data sharing partnerships.

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Recommendations: GICC and State

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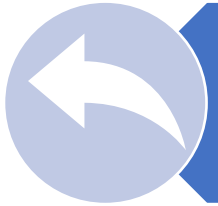
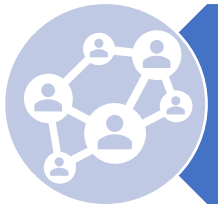
Data Provider Recommendations



Revisit this topic periodically.

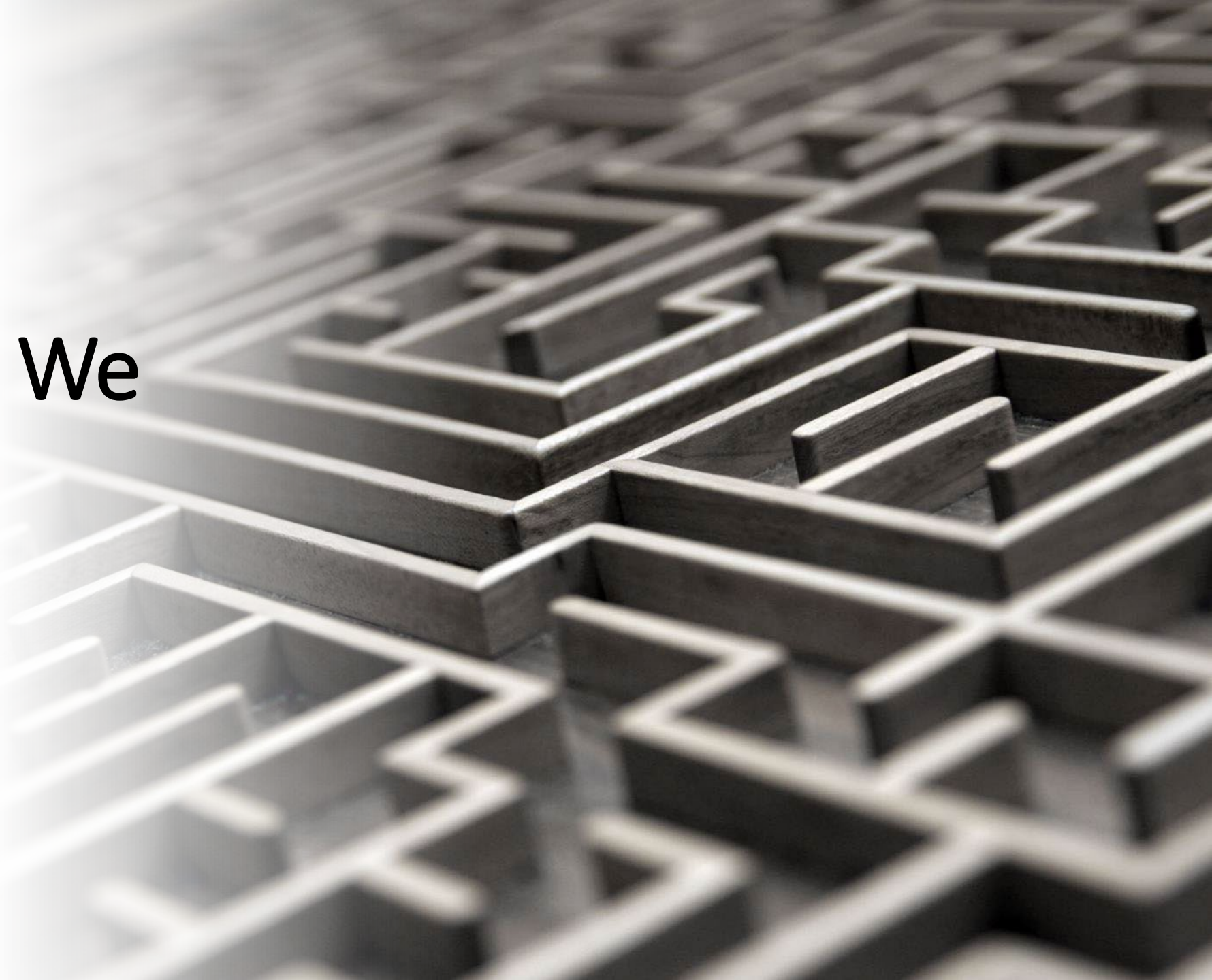


Engage industry professional and organizations.

Task the metadata committee with creating an infrastructure template.

Monitor funding opportunities that could be used to improve infrastructure mapping.

Where Do We Go From Here?



Discussion

Talk Amongst Yourselves

Are these the right recommendations?

Is there a recommendation we should have added?

Do you think that the data sharing agreements, policies, and disclaimer examples included in the report are sufficient to serve as templates for various data sharing methods?

Or

Does the working group need to develop a more generic template?

How do we engage industry and professional associations?

What can they help us achieve?

Where do we go from here?

What actions should the Council take?

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