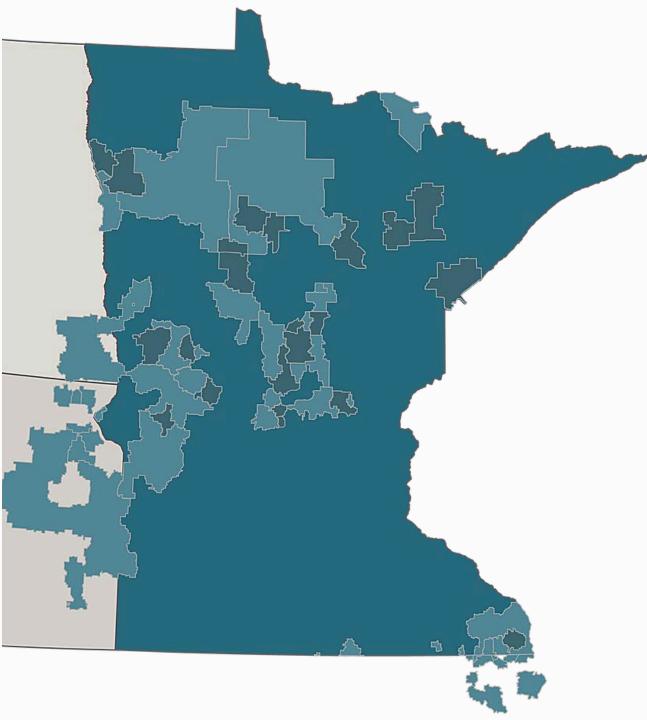
Visualizing Data for Broadband Deployment





Hello

Our member-owners







































We help ISPs bring "More Broadband to More Rural Places"



GIS Consulting



FTTH Engineering



Transport Network



HR Support



Video Product
Consulting

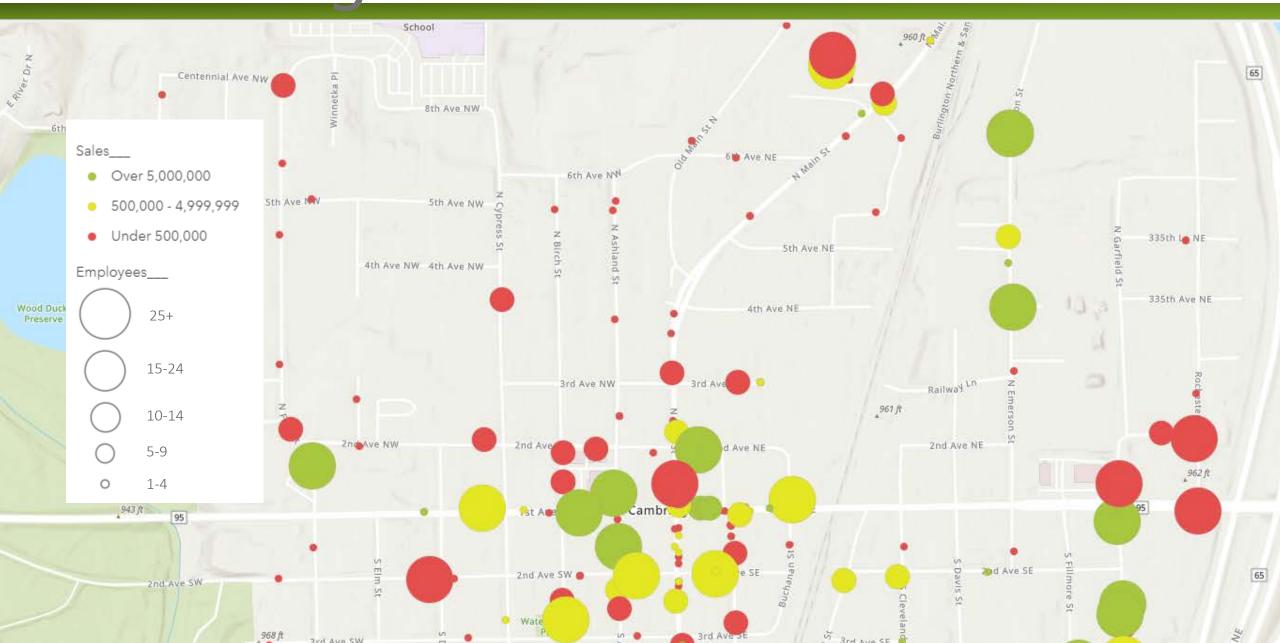
Mapping and GIS Improve Every Day

- GIS/Mapping Software has more functionality than ever
- Ability to read and transform large datasets is faster
- Datasets getting better, but there's more work to do

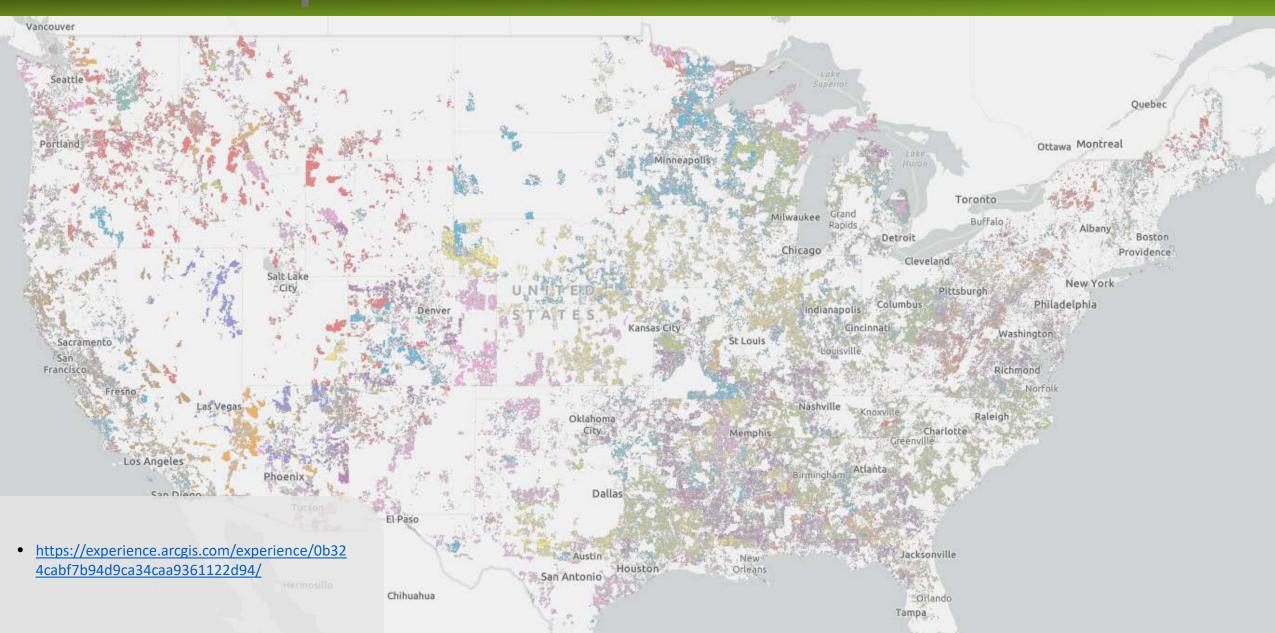
Our Approach

- Out of the box ESRI ArcGIS software
- Enable anyone to use the tools
- Combine ISP-specific data with National/State
- Create maps to plan for what's next
- Help ISPs communicate with their stakeholders clearly
 - What, where, why, how

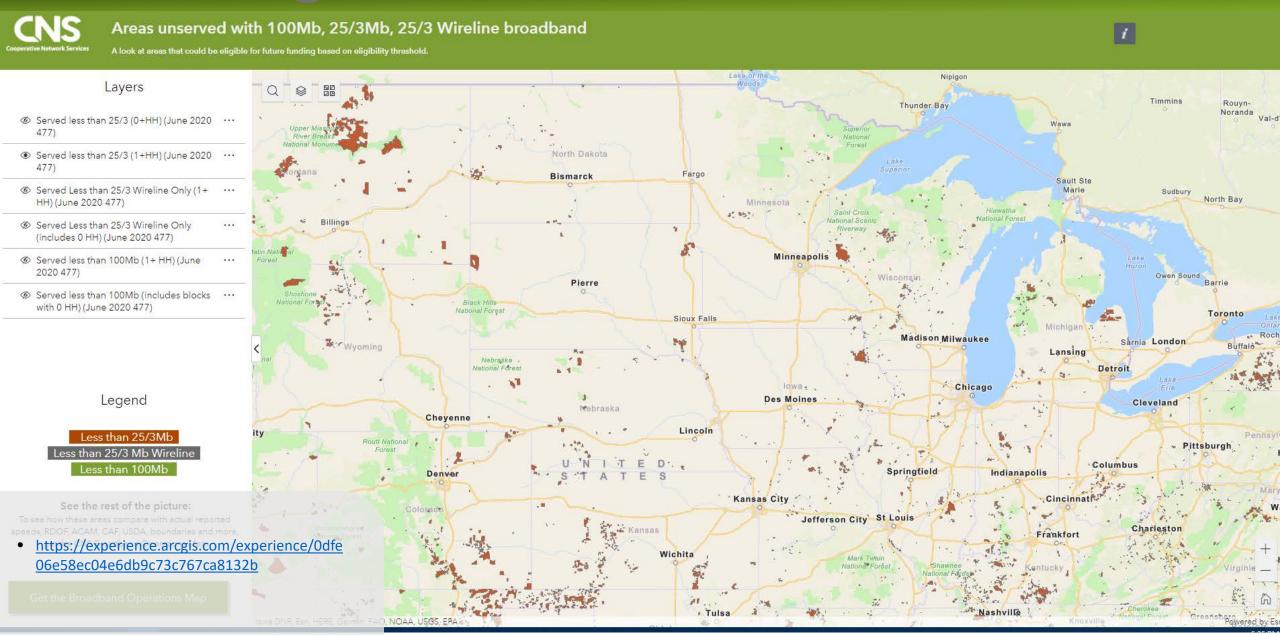
Visualizing Broadband Data



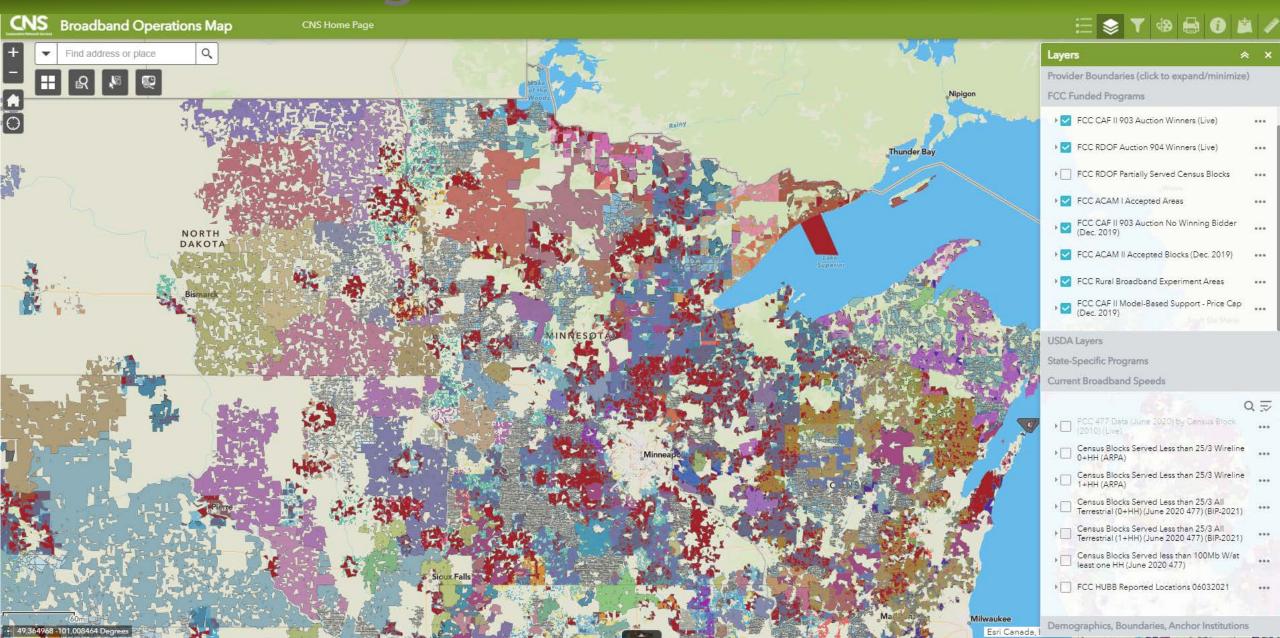
RDOF Updates



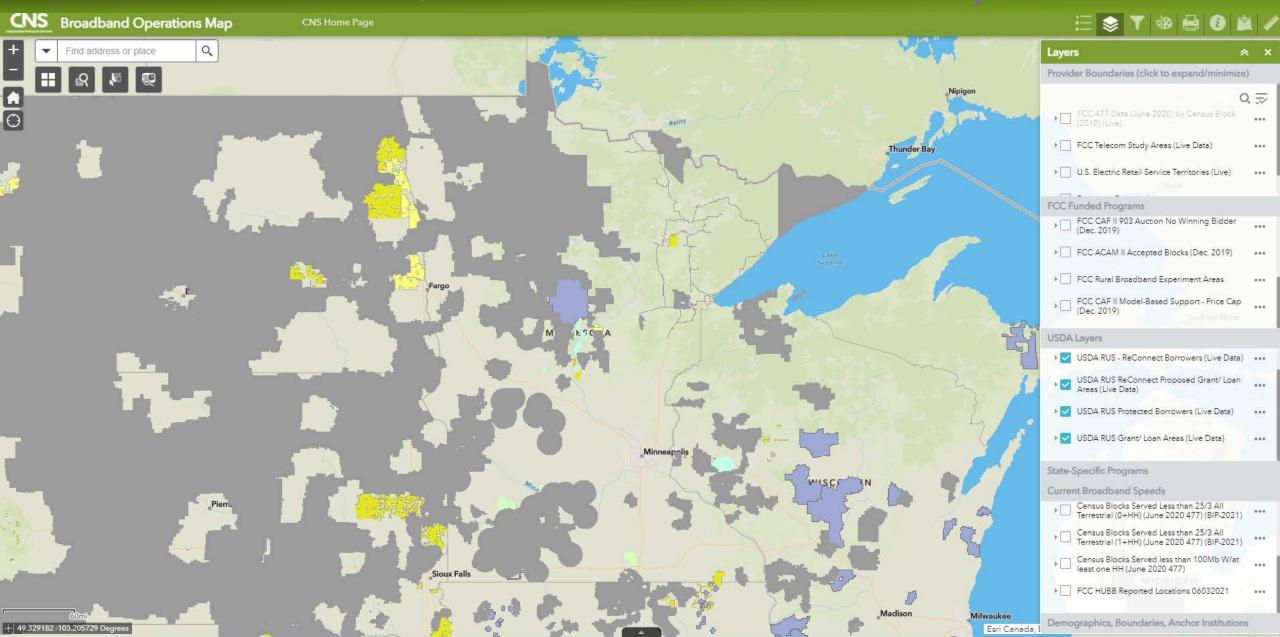
Planning for what's next



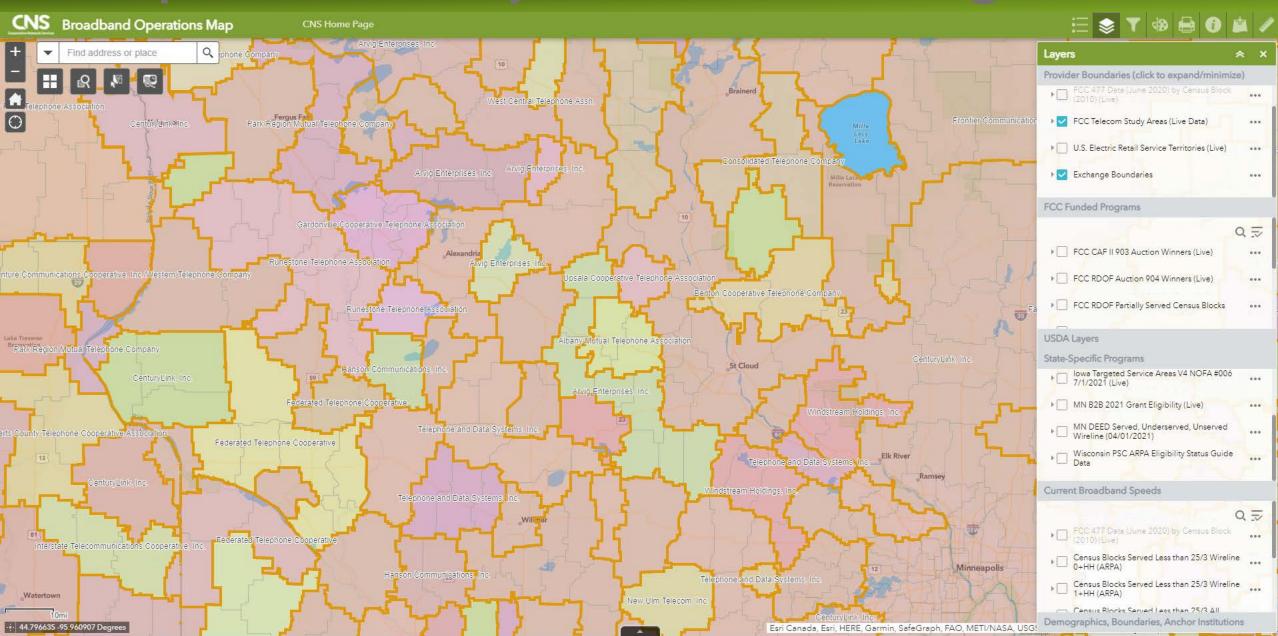
FCC Funding Mechanisms



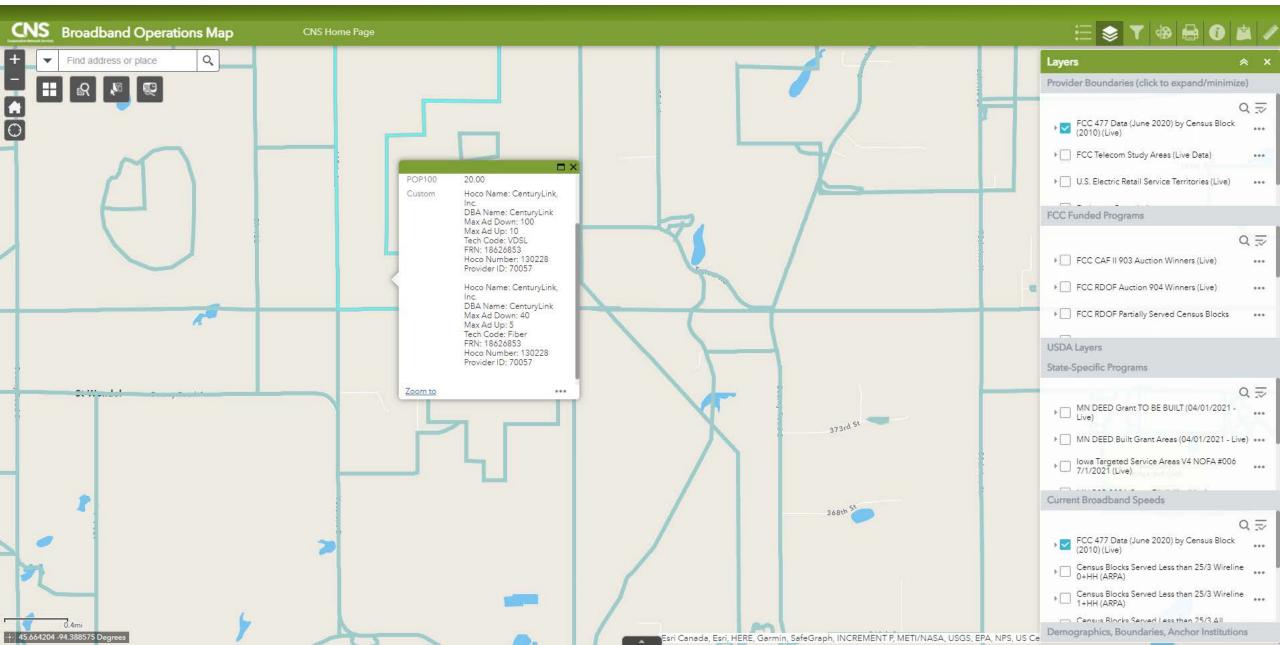
USDA Borrowers, ReConnect, Community Connect



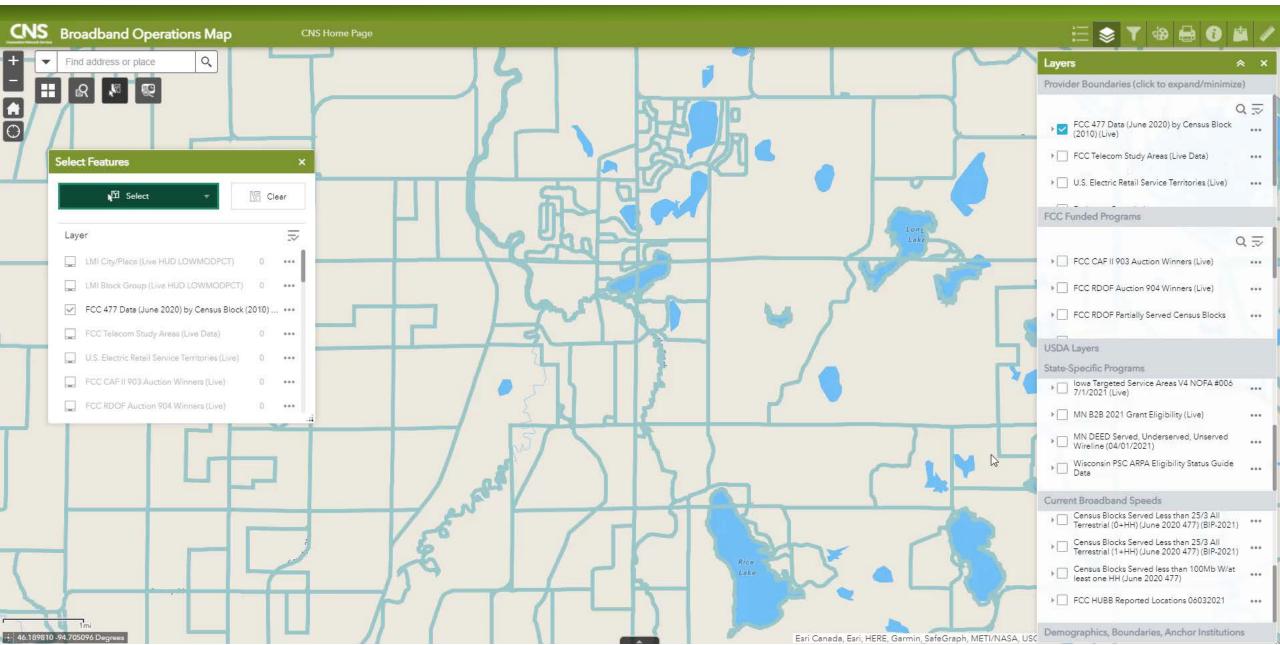
Telephone Study Areas, Exchanges



Real-time 477 Data



Real-time 477 Data



477 Visualization Tool





477 Mapper

Method

Search

Choose I

Generate

The simple way to visualize 477 census blocks

Please choose a method below

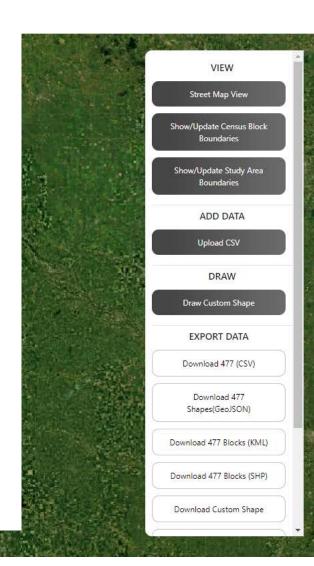


Map your 477 data (csv file upload)

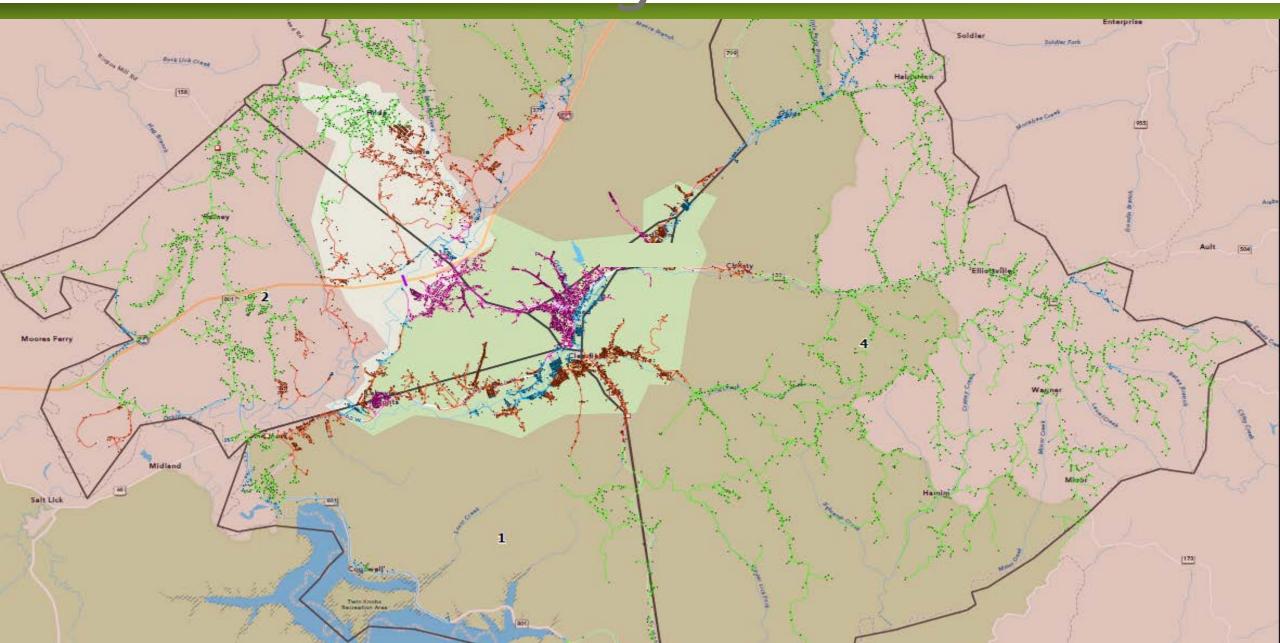


See and download 477 data and census blocks from the FCC's database.

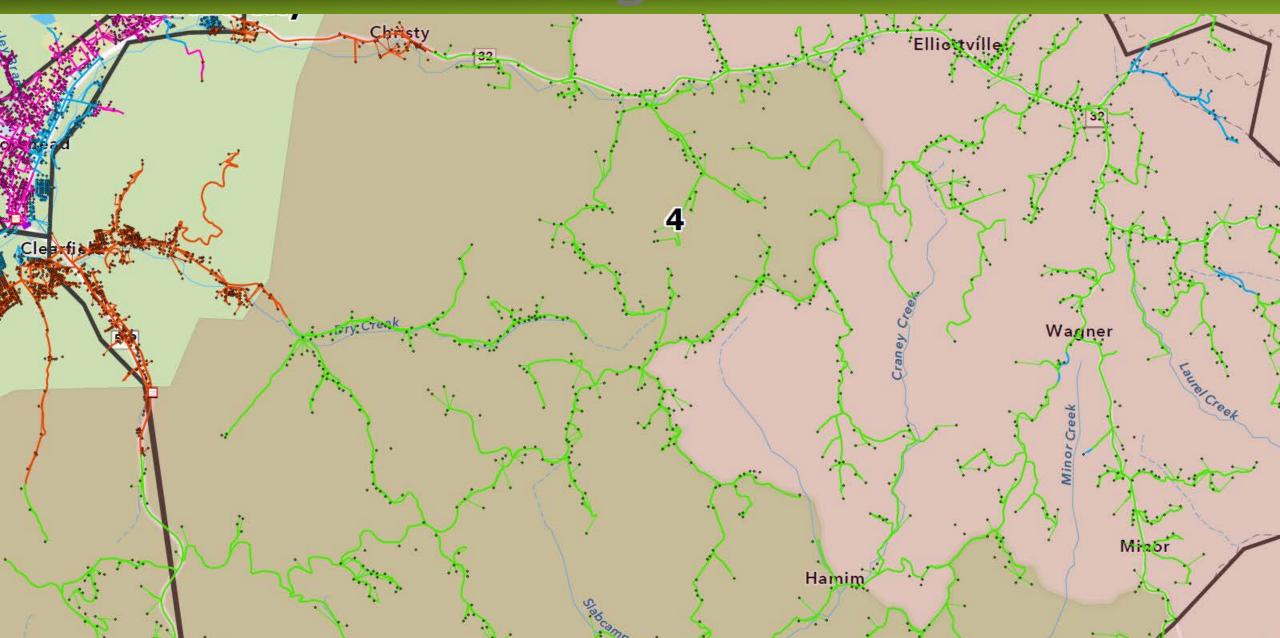
Next Step



Automated Routing and Estimation



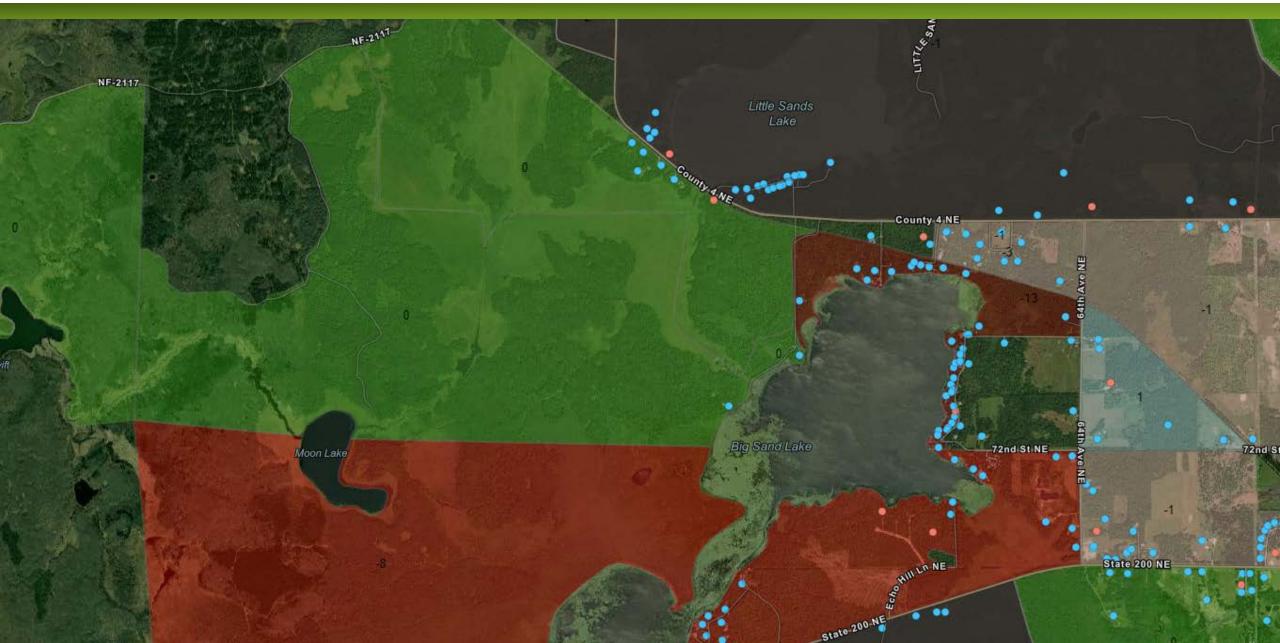
Automated Routing and Estimation



Automated Routing and Estimation

Project Area 1					
CorridorType	Locations	Corridor Feet	Corridor Miles	Drop Feet	Drop Miles
Lake/River shore	410	78,612	14.89	133,036	25.2
Rural	279	161,651	30.62	104,452	19.78
Suburban	853	114,911	21.76	252,687	47.86
Urban	63	18,394	3.48	12,804	2.42
Total	1605	373,568	70.75	502,978	95.26
Project Area 2					
CorridorType	Locations	Corridor Feet	Corridor Miles	Drop Feet	Drop Miles
Lake/River shore	76	36,508	6.91	28,230	5.35
Rural	728	248,455	47.06	277,088	52.48
Suburban	432	77,692	14.71	168,934	32
Urban	386	44,550	8.44	110,567	20.94
Total	1,622	407204.82	77.12	584,819.47	110.77
Project Area 3					
CorridorType	Locations	Corridor Feet	Corridor Miles	Drop Feet	Drop Miles
Lake/River shore	373	105,333	19.95	133,013	25.19
Rural	1180	408,507	77.37	451,239	85.46
Suburban	671	138,320	26.2	230,716	43.7
Urban	330	55,843	10.58	101,037	19.14
Total	2,554	708,003.68	134.1	916,005	173.49

HUBB / Location Identification



Discussion



Operations Map Demo

