Visualizing Data for Broadband Deployment
Hello

Our member-owners

[List of logos and names]
We help ISPs bring
“More Broadband to More Rural Places”
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

- https://experience.arcgis.com/experience/0b324cabf7b94d9ca34ca9361122d94/
Planning for what’s next

Areas unserved with 100Mb, 25/3Mb, 25/3 Wireline broadband
A look at areas that could be eligible for future funding based on eligibility threshold.

Layers
- Served less than 25/3 (0+HH) (June 2020 477)
- Served less than 25/3 (1+HH) (June 2020 477)
- Served Less than 25/3 Wireline Only (1+ HH) (June 2020 477)
- Served less than 25/3 Wireline Only (includes 0 HH) (June 2020 477)
- Served less than 100Mb (1+ HH) (June 2020 477)
- Served less than 100Mb (includes blocks with 0 HH) (June 2020 477)

Legend
- Less than 25/3Mb
- Less than 25/3 Mb Wireline
- Less than 100Mb

See the rest of the picture:
To see how these areas compare with actual reported speeds, ROADS, CAFI, USDOE, boundaries, and more:
- https://experience.arcgis.com/experience/0dfe06e58ec04e6db9c73c767ca8132b

Get the Broadband Operations Map
FCC Funding Mechanisms
Telephone Study Areas, Exchanges
Real-time 477 Data
Real-time 477 Data
477 Visualization Tool

477 Mapper

The simple way to visualize 477 census blocks

Please choose a method below

1. Method
   Map your 477 data (csv file upload)

2. Search

3. Choose ISP
   See and download 477 data and census blocks from the FCC’s database.

4. Generate

Next Step
Automated Routing and Estimation
Automated Routing and Estimation
### Automated Routing and Estimation

#### Project Area 1

<table>
<thead>
<tr>
<th>Corridor Type</th>
<th>Locations</th>
<th>Corridor Feet</th>
<th>Corridor Miles</th>
<th>Drop Feet</th>
<th>Drop Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake/River shore</td>
<td>410</td>
<td>78,612</td>
<td>14.89</td>
<td>133,036</td>
<td>25.2</td>
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<tr>
<td>Rural</td>
<td>279</td>
<td>161,651</td>
<td>30.62</td>
<td>104,452</td>
<td>19.78</td>
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<td>Suburban</td>
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<td>114,911</td>
<td>21.76</td>
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<td>12,804</td>
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<td>373,568</td>
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<td>502,978</td>
<td>95.26</td>
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#### Project Area 2

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<th>Corridor Feet</th>
<th>Corridor Miles</th>
<th>Drop Feet</th>
<th>Drop Miles</th>
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</thead>
<tbody>
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<td>Lake/River shore</td>
<td>76</td>
<td>36,508</td>
<td>6.91</td>
<td>28,230</td>
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<td>248,455</td>
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<td>277,088</td>
<td>52.48</td>
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<td>Urban</td>
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<td>44,550</td>
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<td>20.94</td>
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<td><strong>Total</strong></td>
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</table>

#### Project Area 3

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<th>Locations</th>
<th>Corridor Feet</th>
<th>Corridor Miles</th>
<th>Drop Feet</th>
<th>Drop Miles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lake/River shore</td>
<td>373</td>
<td>105,333</td>
<td>19.95</td>
<td>133,013</td>
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<td>Rural</td>
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<td>408,507</td>
<td>77.37</td>
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<td>Suburban</td>
<td>671</td>
<td>138,320</td>
<td>26.2</td>
<td>230,716</td>
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<td>Urban</td>
<td>330</td>
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HUBB / Location Identification
Discussion
Operations Map Demo