FLORIDA DEPARTMENT *of*

management
SERVICES
We serve those who serve Florida

Florida Broadband Initiative
Florida Broadband Map

Craig J. Nichols, Secretary

Division of Telecommunications

- **Within the Department of Management Services**

  o Provides quality and cost-effective telecommunications and radio services statewide to public entities.

  o One telecommunications service is the Internet access and data transport service known as the Florida Information Resource Network or FIRN.

    o Currently 49 school districts buy off of the FIRN contract.

  o Division of Telecommunications is also responsible for the Florida Broadband Initiative.

Florida Broadband Map

- **Broadband Mapping Tool**

  o The Florida Broadband Map was developed through a federal grant intended to identify unserved and underserved areas in Florida for stimulus funding to encourage broadband adoption.

  o Maps all broadband data submitted by service providers in the State of Florida.

  o Displays broadband technology available to schools, federal E-rate funding information by district and the bandwidth subscription in comparison to the state standard by district.

  # http://map.broadbandfla.com/

E-rate

- ## What is E-rate?

    - Subsidy allocated from the Universal Service Fund (USF) administrated by the Universal Service Administration Company (USAC)
    - Started in 1997, the USF fee is collected on telephone bills and remitted to USAC by the service provider

- ## What does it pay for?

    - Up to 90% of the cost for eligible technology services provided to qualifying schools and libraries

Functionality of the Florida Broadband Map
map.broadbandfla.com

Data Layers

- Broadband service coverage include cable, DSL, fiber, fixed wireless and mobile wireless
- Number of wireline and wireless providers by location
- Individual provider coverage areas
- Unserved areas by cable, DSL, fiber, fixed wireless, mobile wireless and unserved by both wireline and wireless
- Inadequate broadband service coverage location
- Mapped community anchor institutions (CAIs) which include government and non-government support, libraries, medical and healthcare facilities, public safety, schools and universities
- E-rate information includes requested and committed funding by school district and fiscal year
- Census demographics by county
- County, census block, region and House and Senate district boundaries
- Urban and rural identification

FLORIDA DEPARTMENT of
management
SERVICES
We serve those who serve Florida

dms

Functionality of the Florida Broadband Map
map.broadbandfla.com

Tools

– Zoom to location by address, push pin, municipality, county or region

– Speed test functionality to test the user's current connection speed

– Bookmarks, search functionality, printing and feedback capabilities

– Streetview widget allows for viewing locations from a street level
perspective

– DrawMeasure allows the user to determine distance between points
and the area of selected locations

management
SERVICES
FLORIDA DEPARTMENT of
We serve those who serve Florida
dms

Future Functionality of the Florida Broadband Map

- The map can be customized in various ways to show specific details such as:

    - District and school compliance with state bandwidth*
    - Changes in bandwidth subscription and infrastructure based on state funding*
    - Yearly compliance at the district and school level*
    - Compliance requirements
    - Number of students*
    - Connection speeds*
    - Connection type: fiber, DSL and cable*
    - Infrastructure and components of the connection*
    - Other details as determined*

    * Information and data which need to be available to DMS to provide map layers

FLORIDA DEPARTMENT of
management
SERVICES
We serve those who serve Florida

Services Provided by State Resources

- Per Title 47 U.S. Code 222

- Every telecommunications carrier has a duty to protect the confidentiality of customers including network information such as :

  - Quantity   - Configuration

  - Type   - Destination

  - Location   - Usage Amount

- If network capacity is provided through State of Florida contracts this information be accurately captured, tracked, and displayed on the map with certainty.

management
SERVICES
We serve those who serve Florida

Education Technology Infrastructure Costs

Internet

Florida Information Resource Network

FIRN

Educational data transport service

Content Filtering Firewall

Bandwidth

Standard: Each FTE student has access to 1 megabyte (1 Mbps) of bandwidth

School District Site

School District Site

School District Site

Technology Construction Costs for District Area Networks

Existing District Area Network

Data links connecting multiple locations to the Internet

Existing District Area Network

Existing District Area Network

Technology Construction Costs to Schools

Network Infrastructure Costs at Schools

School 1 School 2 School 3 School N School 1 School 2 School 3 School N School 1 School 2 School 3 School N