

**FirstNet™**

# FloridaNet Project Status Update

FloridaNet Technical Committee

December 4<sup>th</sup>, 2015

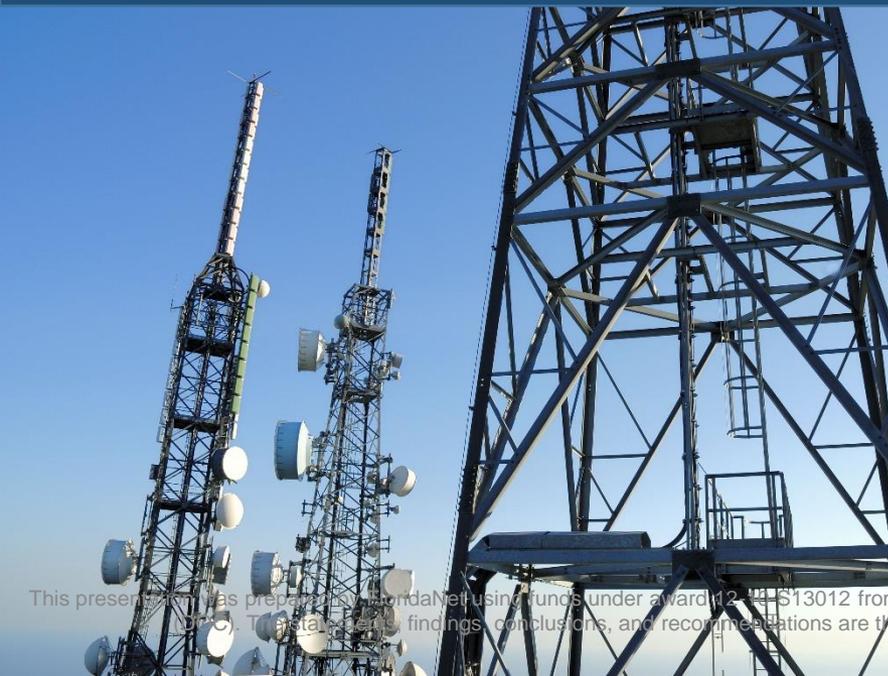


# Topics

- FirstNet Update
- FloridaNet Update
- Looking Ahead



# FirstNet Updates



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# FirstNet Developments

- Organizational Changes
  - TJ Kennedy – President
  - Mike Poth – CEO
- Completed State Consultations (1<sup>st</sup> Round)
- Held 2<sup>nd</sup> Industry Day in August
- Held 2<sup>nd</sup> SPOC meeting in October
- Released Cybersecurity Notice *(EXH. C / D)*
- Released Final Interpretation of 1<sup>st</sup> & 2<sup>nd</sup> Notices *(EXH. E - I)*
- Final RFP To Be Released



# Cybersecurity Notice

- Outlines key considerations for foundation
  - How it should be designed, established, sustained
- Opportunity to innovate and be creative
- Key Concepts
  - Architecture and Lifecycle
  - Risk Management
  - Monitoring and Mitigation Methodology
  - Environmental and Physical Security
  - Data Sensitivity



# Final Interpretation – 1<sup>st</sup> Notice

- Core Network and RAN defined
  - FirstNet will be the only one allowed to build the Core
- Secondary users defined
  - Any non-public safety user
  - Through Priority and Preemption, FirstNet believes 20MHz will provide sufficient capacity for shared use
- Rural defined
- Fees Assessed
  - Network user fee, Network capacity fee (CLA), Network equipment/infrastructure fee, State fee to access Core



# Final Interpretation – 2<sup>nd</sup> Notice

- Technical Requirements
  - Promoting competition for equipment ‘on’ the network
  - Equipment must maintain interoperability
  - Applies to either FirstNet-built or State-built RAN
- Network Policies
  - Applies to all elements of the network, whether FirstNet-deployed or State-deployed
- State/Territory Assuming Responsibility
  - Governor makes statewide decision
  - Opt-in States can add extra RAN
  - A State opts-in if it does not opt-out within 90 days



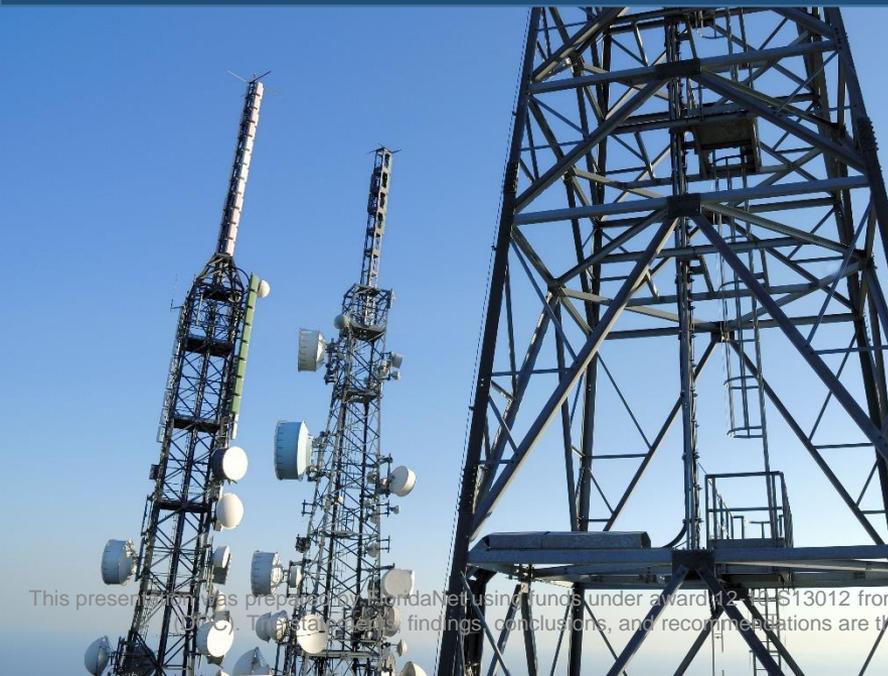
# Consultation Questions

- Project/Consultation Related
- Technical, Design and Roll-out
- Security
- Financial





# FloridaNet Updates



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# FloridaNet Developments

- Organizational Changes
  - Rhonda MacKinnon – Project Coordinator
- Submitted Responses
  - Draft RFP *(EXH. K)*
  - Cybersecurity Notice *(EXH. M / N)*
- Completed Contract Survey – Produced White Paper *(EXH. L)*
- Provided Collected Data To FirstNet
- Submitted Revised Budget
- Attended/participated in various meetings, expos, etc.

# RFP Response

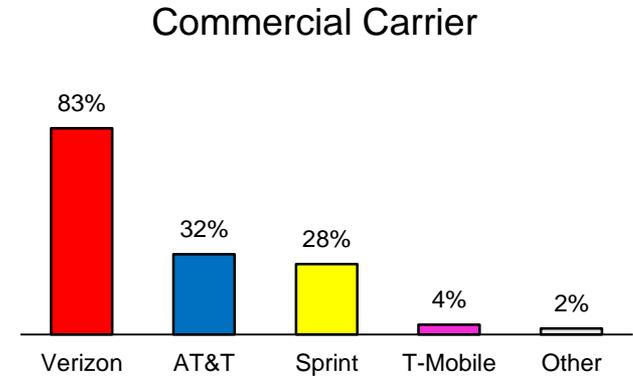
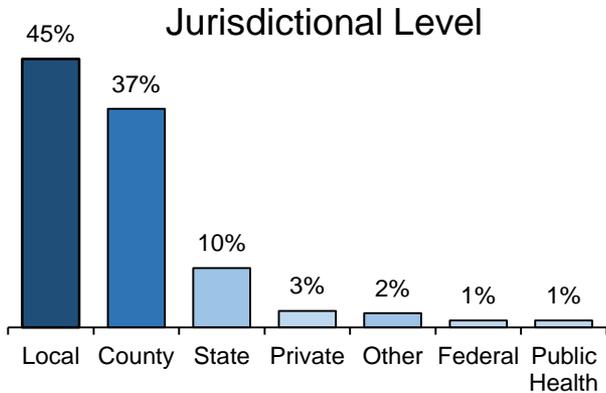
- Responded on July 27, 2015
- Commented on 51 of the 647 areas in the Operational Architecture
- Florida suggested the Network Policies should be:
  - Developed by the State
  - Implemented by the Vendor
  - Measured & Enforced by FirstNet



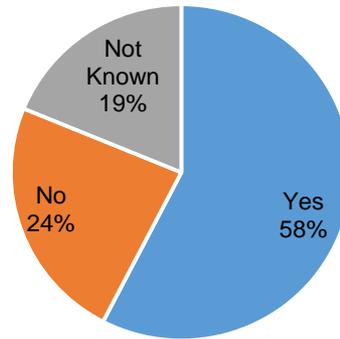
# Contract Vehicle Survey

- Conducted Survey from January to September
- Aggregated Survey info and sent to FirstNet
- Produced White Paper
- Fulfilled important first step in larger data collection process for 2016

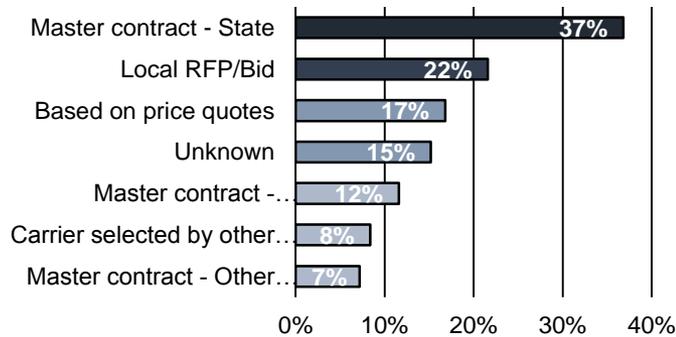
# White Paper Results



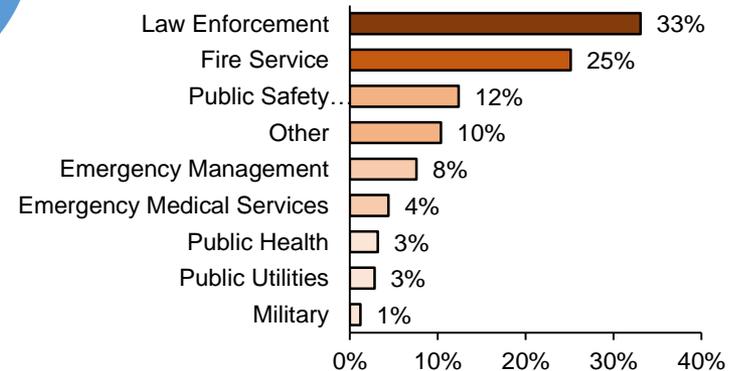
### Data Usage Monitoring



### Procurement Method



### Discipline



Region	Surveys Sent (#)	Response Rate (%)	Counties Represented (#)	Highest Population	Lowest Population	Average Population Density	Most Common Carrier	Most Common Procurement Method	Devices per Employee	Organizations Monitoring Data (%)	Organizations Requiring Multiple Carriers (%)	Price per Device per Month	Most Common Data Plan	Most Common Mission Critical Application
1	45	44%	5 of 10	305,817 (Escambia)	14,625 (Calhoun)	157	Verizon (85%)	Master Contract – State (35%)	2 (55%)	45%	15%	\$50 or Less (73%)	Unlimited (80%)	Internet Browsing (79%)
2	76	22%	8 of 13	275,487 (Leon)	8,365 (Liberty)	67	Verizon (100%)	Master Contract – State (41%)	2 (44%)	41%	24%	\$50 or Less (81%)	Unlimited (89%)	One-way Messaging (63%)
3	70	46%	11 of 13	885,855 (Duval)	15,535 (Union)	228	Verizon (81%)	Master Contract – State (35%)	2 (31%)	59%	21%	\$50 or Less (74%)	Unlimited (82%)	One-way Messaging (74%)
4	110	23%	7 of 8	1,291,578 (Hillsborough)	27,731 (Hardee)	838	Verizon (92%)	Master Contract – State (28%)	2 (52%)	52%	28%	\$50 or Less (91%)	Unlimited (83%)	Internet Browsing (84%)
5	192	58%	9 of 9	1,253,001 (Orange)	141,994 (Indian River)	573	Verizon (75%)	Master Contract – State (28%)	2 (35%)	57%	51%	\$50 or Less (76%)	Unlimited (79%)	One-way Messaging (79%)
6	79	36%	9 of 10	661,115 (Lee)	12,884 (Glades)	253	Verizon (85%)	Master Contract – State (39%)	2 (36%)	55%	15%	\$50 or Less (87%)	Unlimited (90%)	Internet Browsing & One-way Messaging (78% each)
7	94	34%	4 of 4	2,662,874 (Miami-Dade)	73,090 (Monroe)	892	Verizon (84%)	Master Contract – State (41%)	2 (36%)	81%	31%	\$50 or Less (80%)	Unlimited (75%)	CAD Interface (84%)
Total	566	38%	53 of 67	2,662,874 (Miami-Dade)	8,365 (Liberty)	430	Verizon (86%)	Master Contract – State (35%)	2 (41%)	56%	26%	\$50 or Less (80%)	Unlimited (83%)	One-way Messaging (73%) Internet Browsing (69%)

# Cybersecurity Notice

## Florida's Response

- Key Concepts:
  - Risk Management
    - Defining acceptable risk
    - Viability of mitigation
  - Environmental and Physical Security
    - Hardening
    - “Disparately Deployed”
  - Information Security and Data Sensitivity
    - Prevention and Protection
    - Retention Policies



# Data Collection

- Determined agencies with data monitoring software
  - Reached out to those agencies to provide data
- Determined minimum data to collect
  - e.g. location, responder type, time, applications
- Submitted initial data to FirstNet by 9/30/15
  - 90 files (616MB) were sent
- Continue to send data to FirstNet
  - Netmotion
  - Agencies that submit to FloridaNet
- Develop vendor specifications for data collection
  - Deliverable timelines, data formats, etc.
- Begin vendor data collection effort in 2016

# FirstNet Data Review

- Sensitive Information
  - Bidders' Library/Reading Room – States' data possibly available for others to view
- Coverage Objectives and Phasing
  - FL provided some of the most detailed response info
  - No phased deployment provided yet
- User Surveys
  - FL provided detailed survey data for about 400 agencies
  - Use of ranges in survey present challenges in aggregating data
  - Need assistance with user amounts and definition
- Total User Estimates
  - Not provided



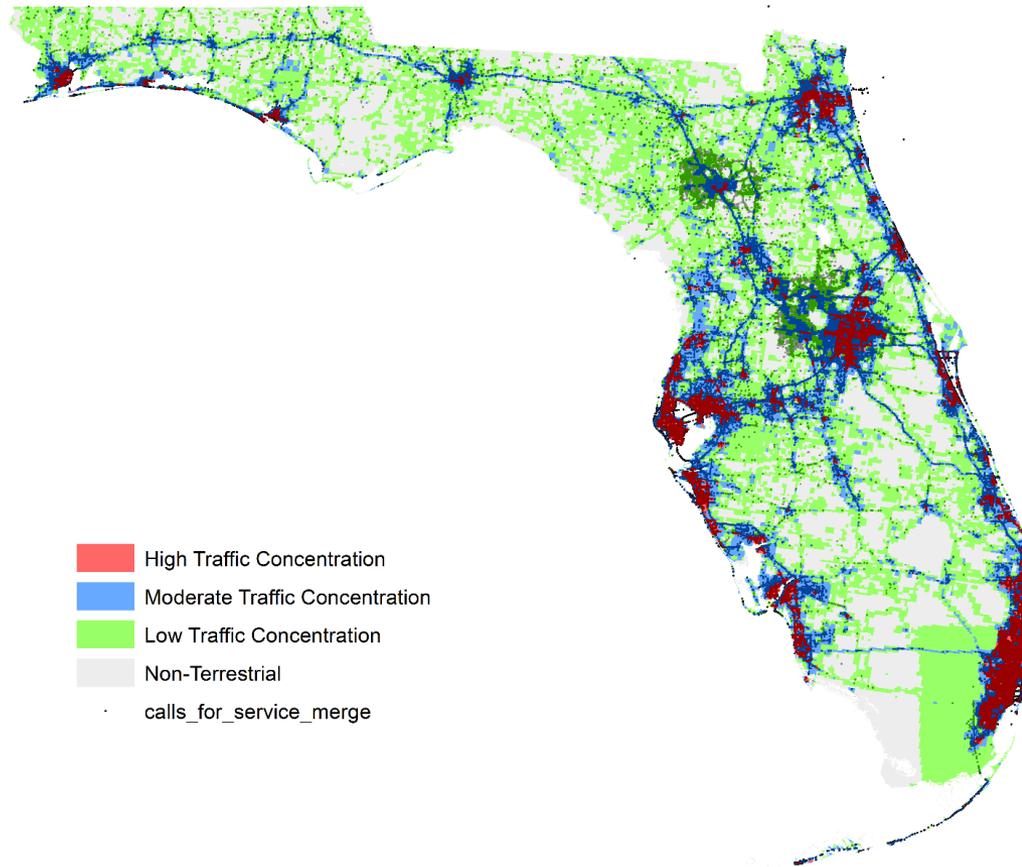
# FirstNet Maps



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# FirstNet Maps

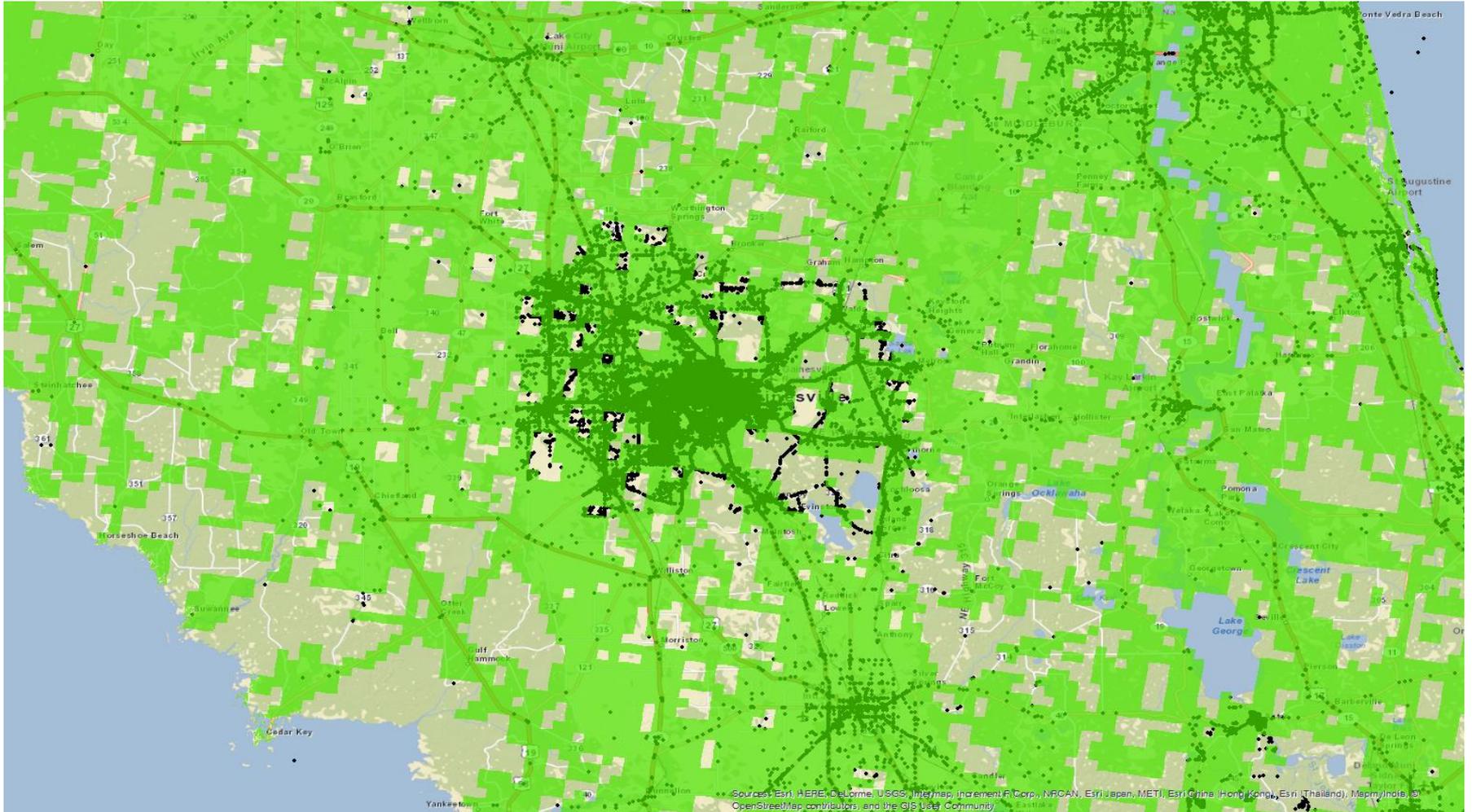
## Objectives on Top of Response Data





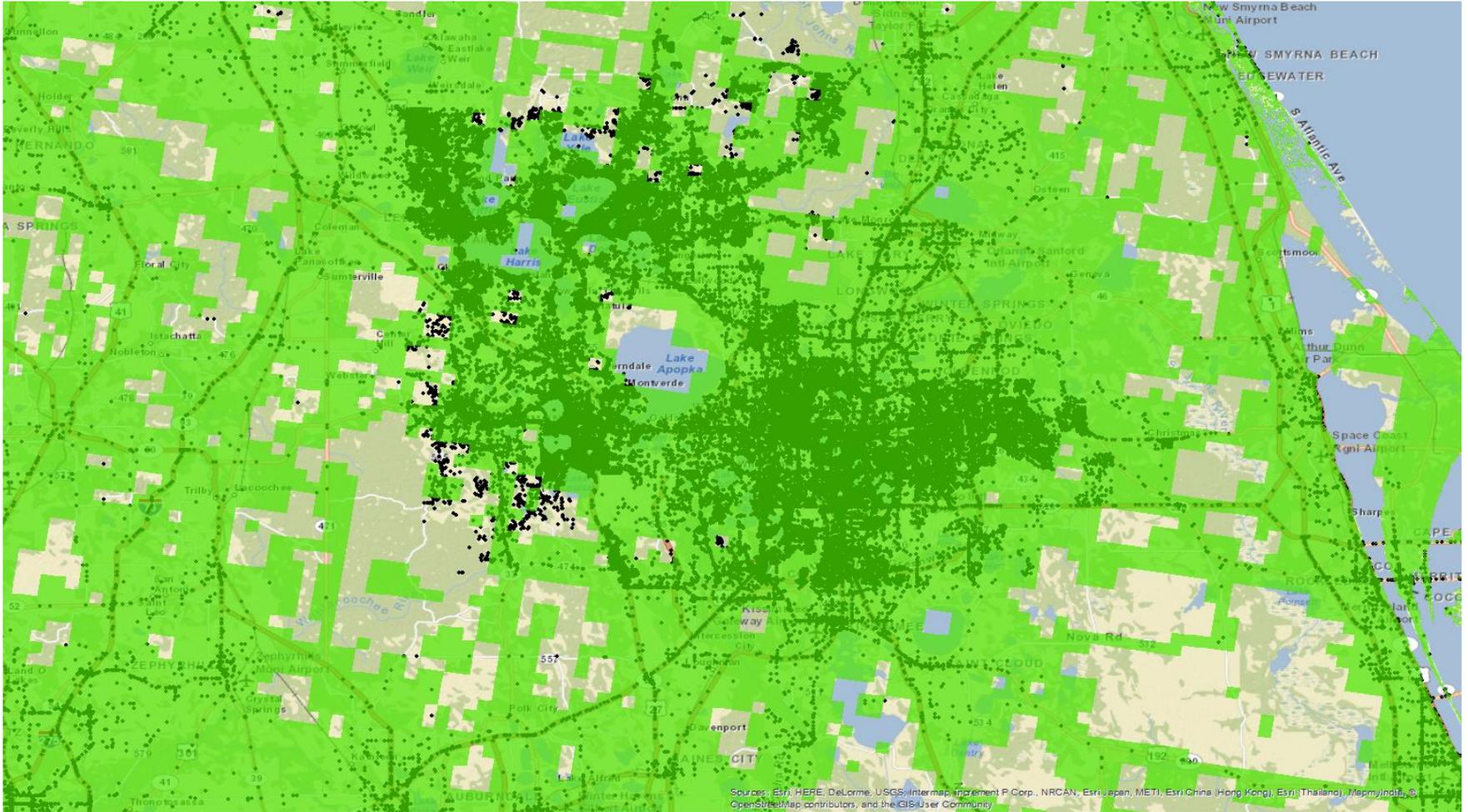
# FirstNet Maps

## Gainesville



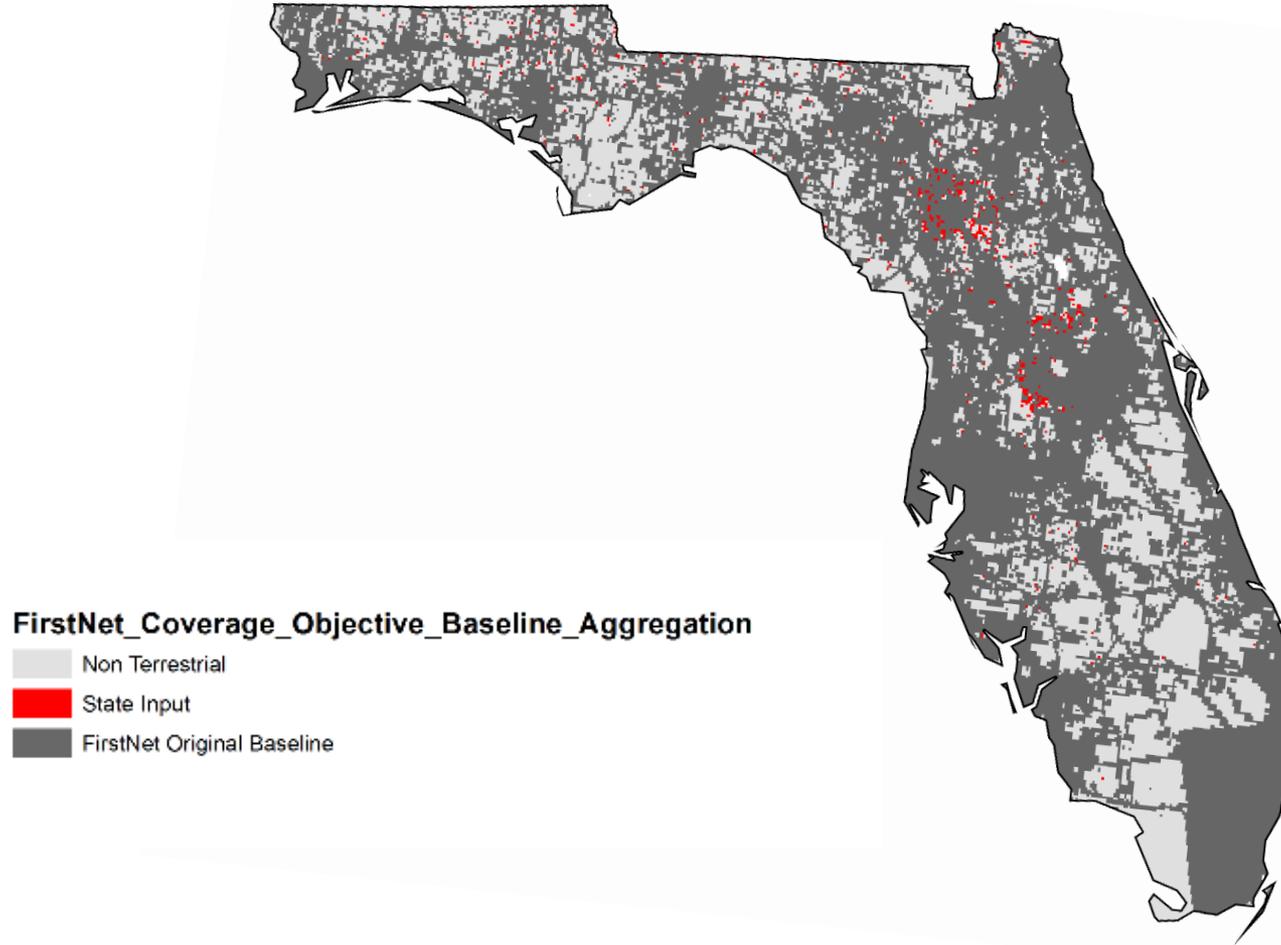
# FirstNet Maps

## Orlando



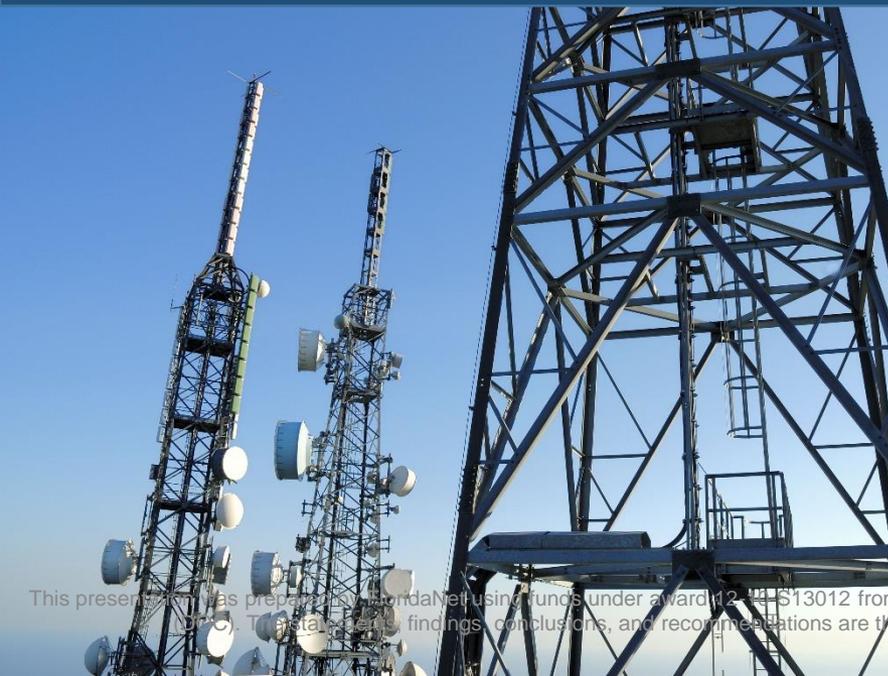
# FirstNet Maps

## Updated Baseline Coverage Objective Map



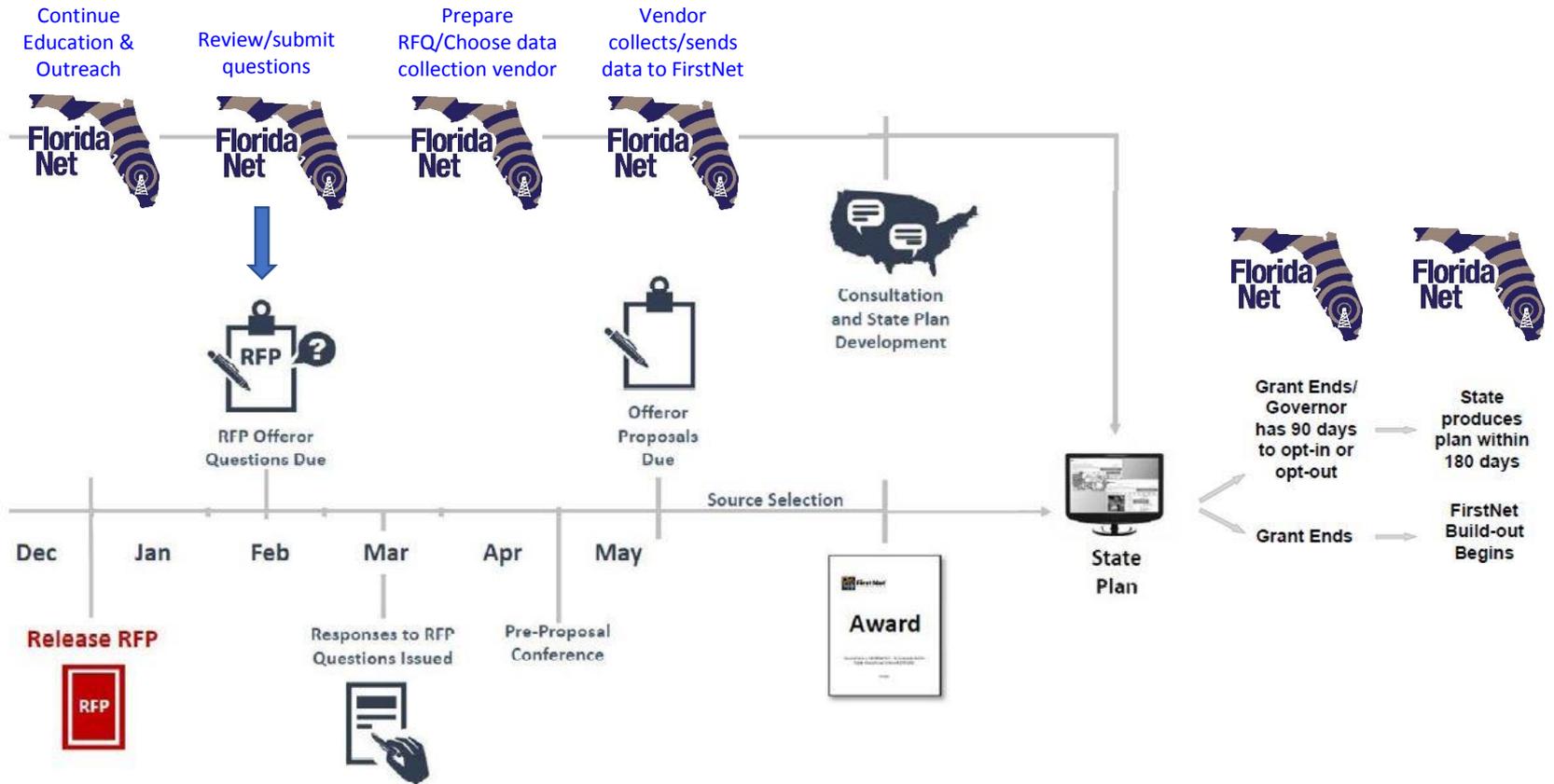


# Looking Ahead



# Project Plan

## FirstNet and FloridaNet



# Upcoming Events

December 31, 2015	FirstNet RFP Released (tentative)
January 9-12, 2016	Florida Police Chiefs Association Conference (Ponte Vedra Beach, FL)
January 11-15, 2016	Southeast Public Safety Broadband Summit (Alabama)
April 8, 2016 ( <i>tentative</i> )	Executive Committee Meeting (online)
April 8, 2016 ( <i>tentative</i> )	Technical Committee Meeting (online)

*If there are any events in your area that you would like us to attend or present, please let us know!*

# Next Steps

- Continue to collect data
- Prepare Data Collection RFQ
- Continue Education & Outreach
- Prepare for Consultation with FirstNet on State Plan

# Comments / Questions?