

FirstNet™

FloridaNet Project Status Update

FloridaNet Executive Committee

December 4th, 2015

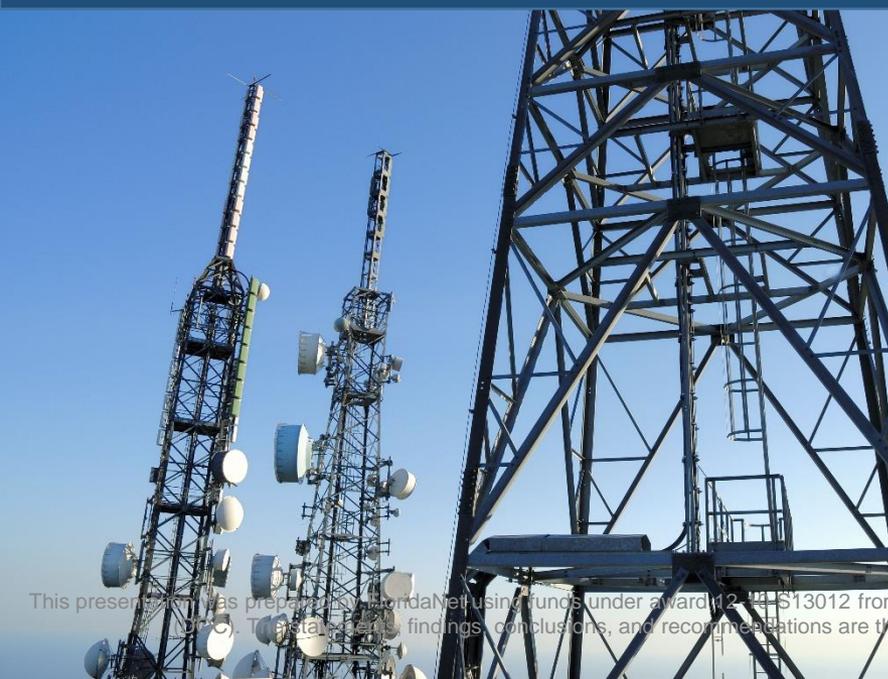


Topics

- Executive Committee Membership
- FirstNet Update
- FloridaNet Update
- Looking Ahead



Executive Committee Membership



Bill Rogers

Director

Department of Management Services
Division of Telecommunications



- 25+ Years of experience building, growing, and managing organizations through information technology and telecommunications
- New Hampshire's Chief Information Officer (2011)
- Earned a Master of Science in Business Administration from Central Michigan University
- Earned a Bachelor of Science in Information Systems Management from University of Maryland

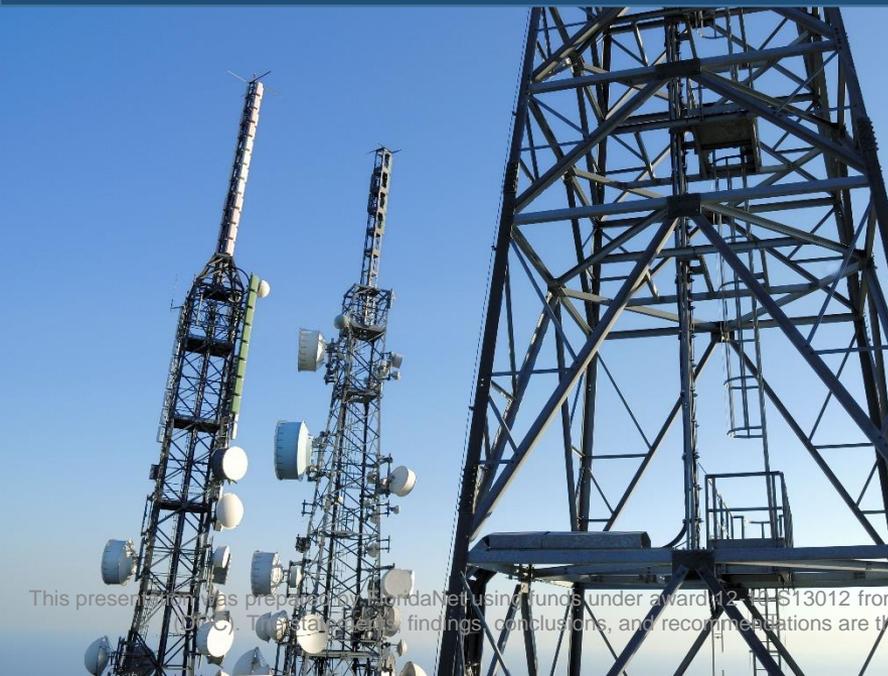
Executive Committee

Membership Vacancies

- Private Sector Partner (Verizon)
 - *Previously Colin Denney*
- Florida Fire Chiefs Association
 - *Previously Kevin Herndon*



FirstNet Updates



FirstNet Developments

- Organizational Changes
 - TJ Kennedy – President
 - Mike Poth – CEO
- Completed State Consultations (1st Round)
- Held 2nd Industry Day in August
- Held 2nd SPOC meeting in October
- Released Cybersecurity Notice *(EXH. E / F)*
- Released Final Interpretation of 1st & 2nd Notices *(EXH. G-J)*
- 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 – 1st 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 – 2nd 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



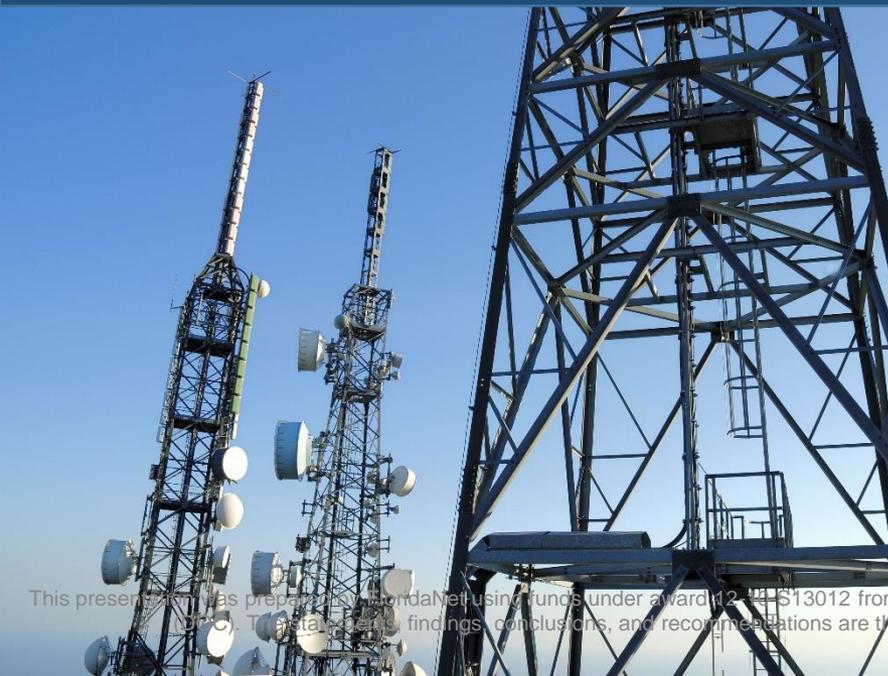
Consultation Questions

- 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. M / N)*
 - Cybersecurity Notice *(EXH. O / P)*
- Completed Contract Survey – Produced White Paper *(EXH. Q / R)*
- 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



Cybersecurity Notice

Florida's Response

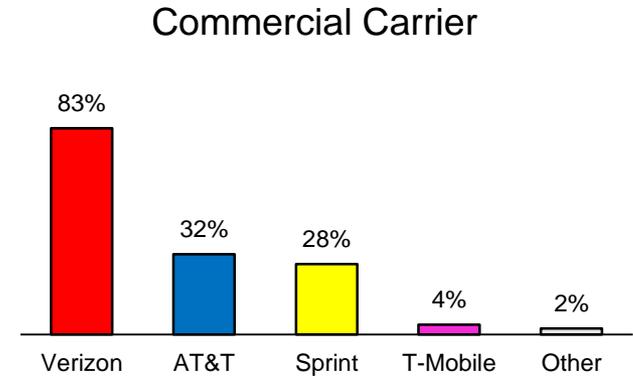
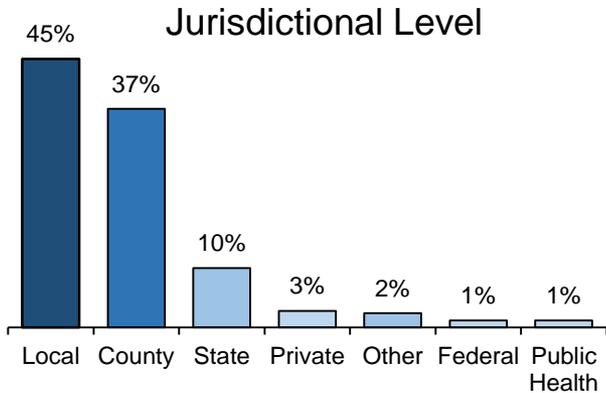
- Key Concepts:
 - Risk Management
 - Defining acceptable risk
 - Viability of mitigation
 - Environmental and Physical Security
 - Hardening
 - “Disparately Deployed”
 - Information Security and Data Sensitivity
 - Prevention and Protection
 - Retention Policies



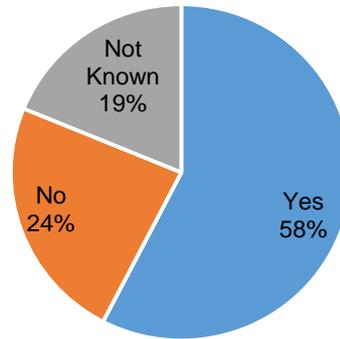
Contract Vehicle Survey

- 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

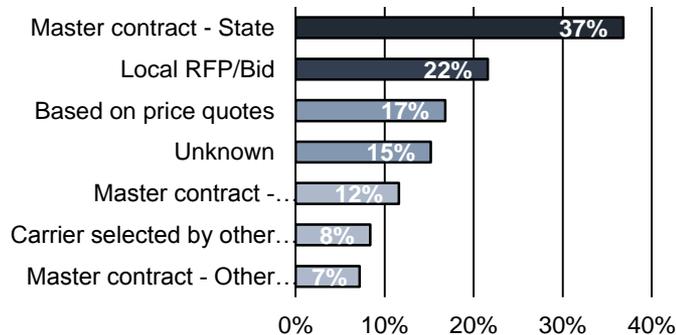
White Paper Results



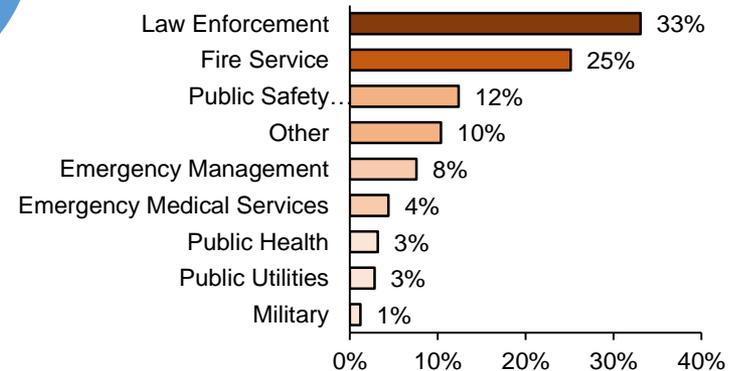
Data Usage Monitoring



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%)

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



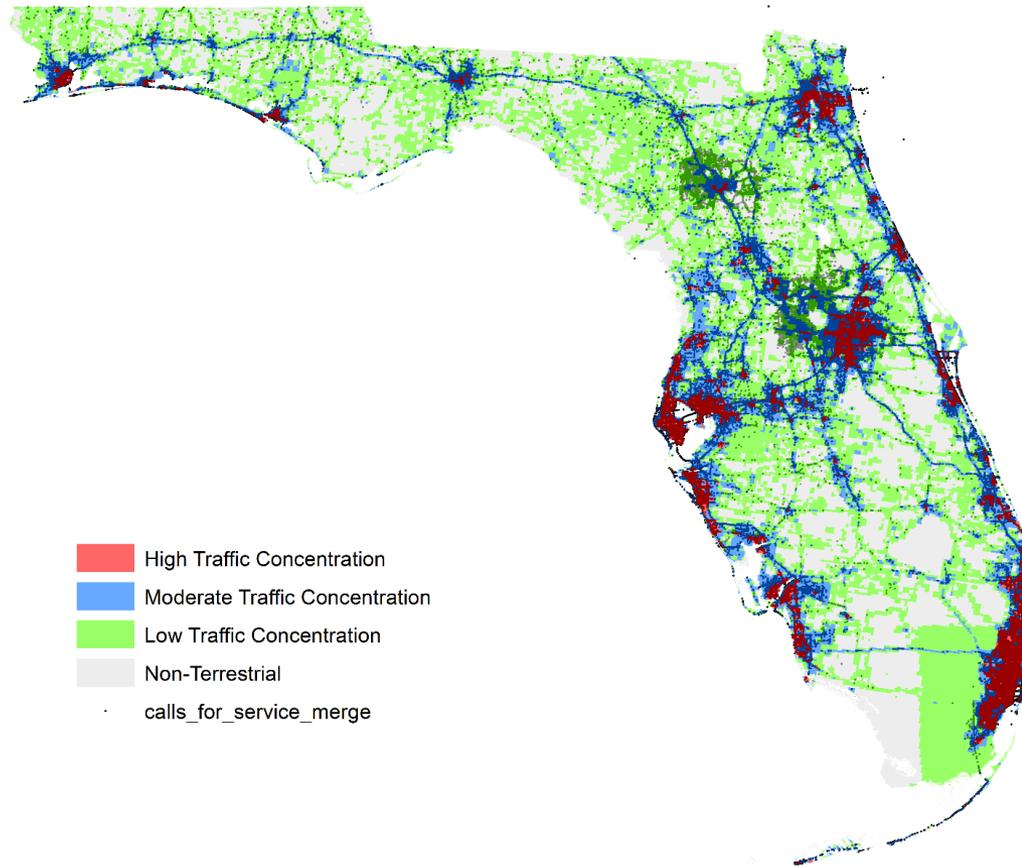
FirstNet Maps



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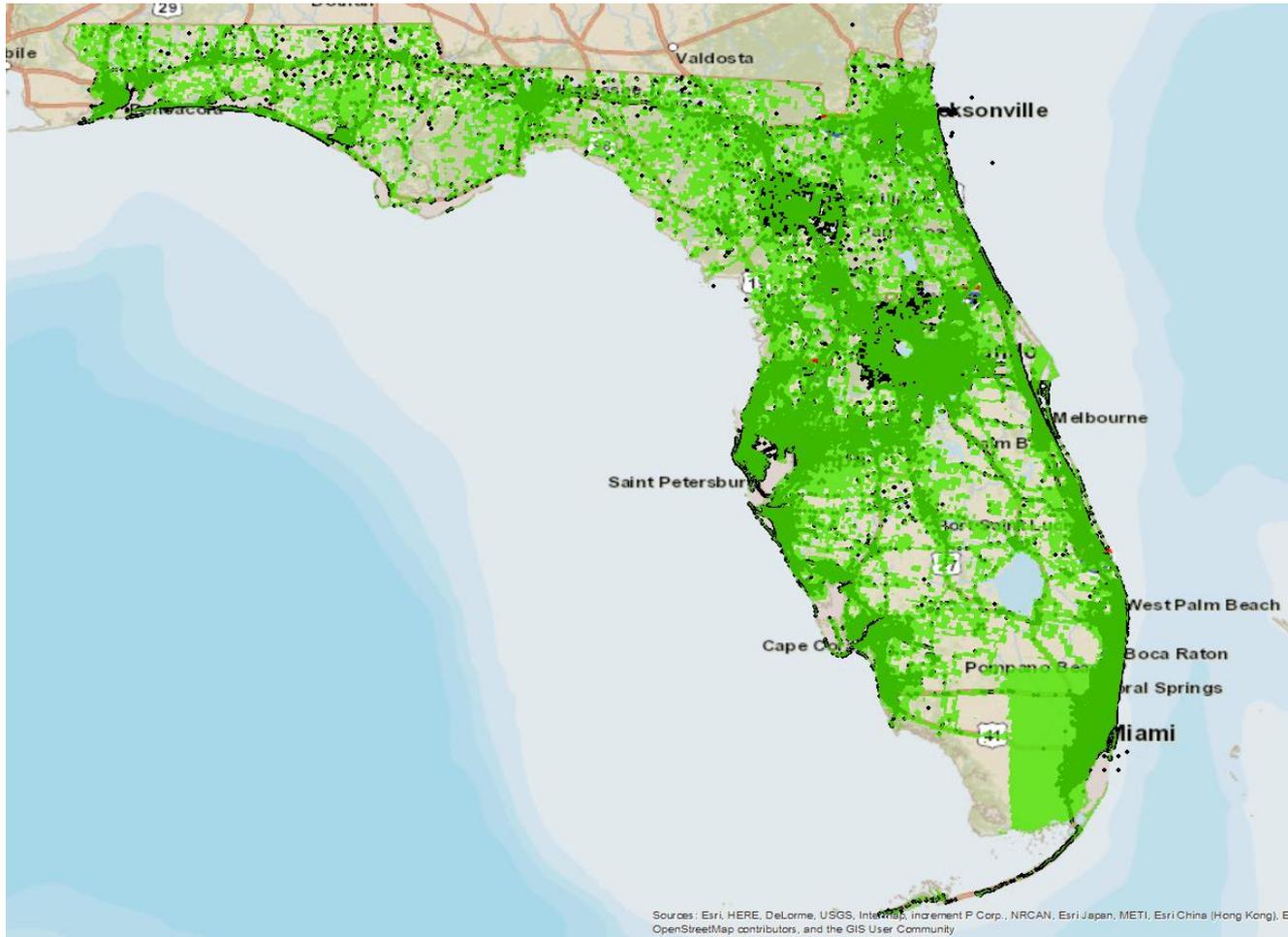
FirstNet Maps

Objectives on Top of Response Data



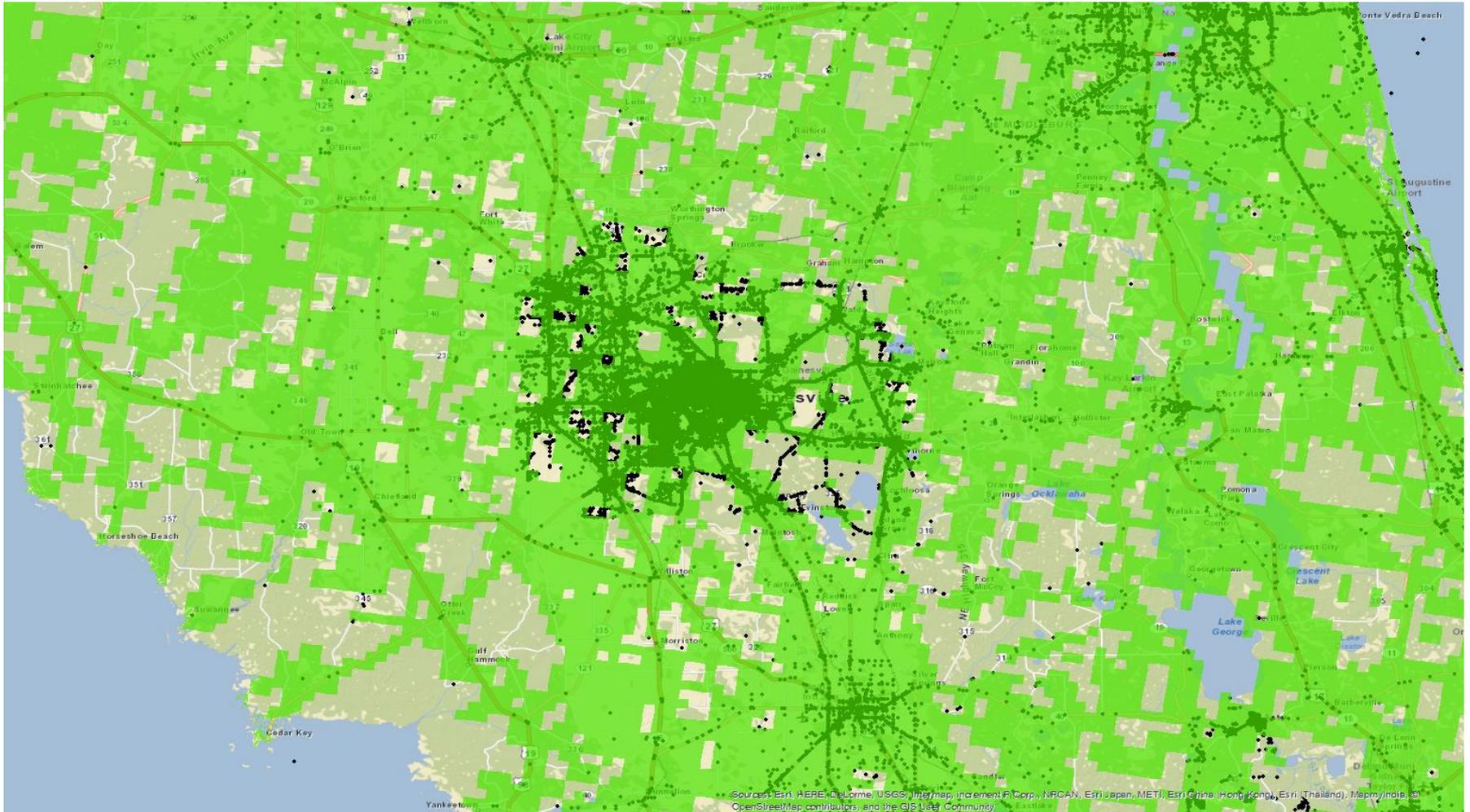
FirstNet Maps

Statewide



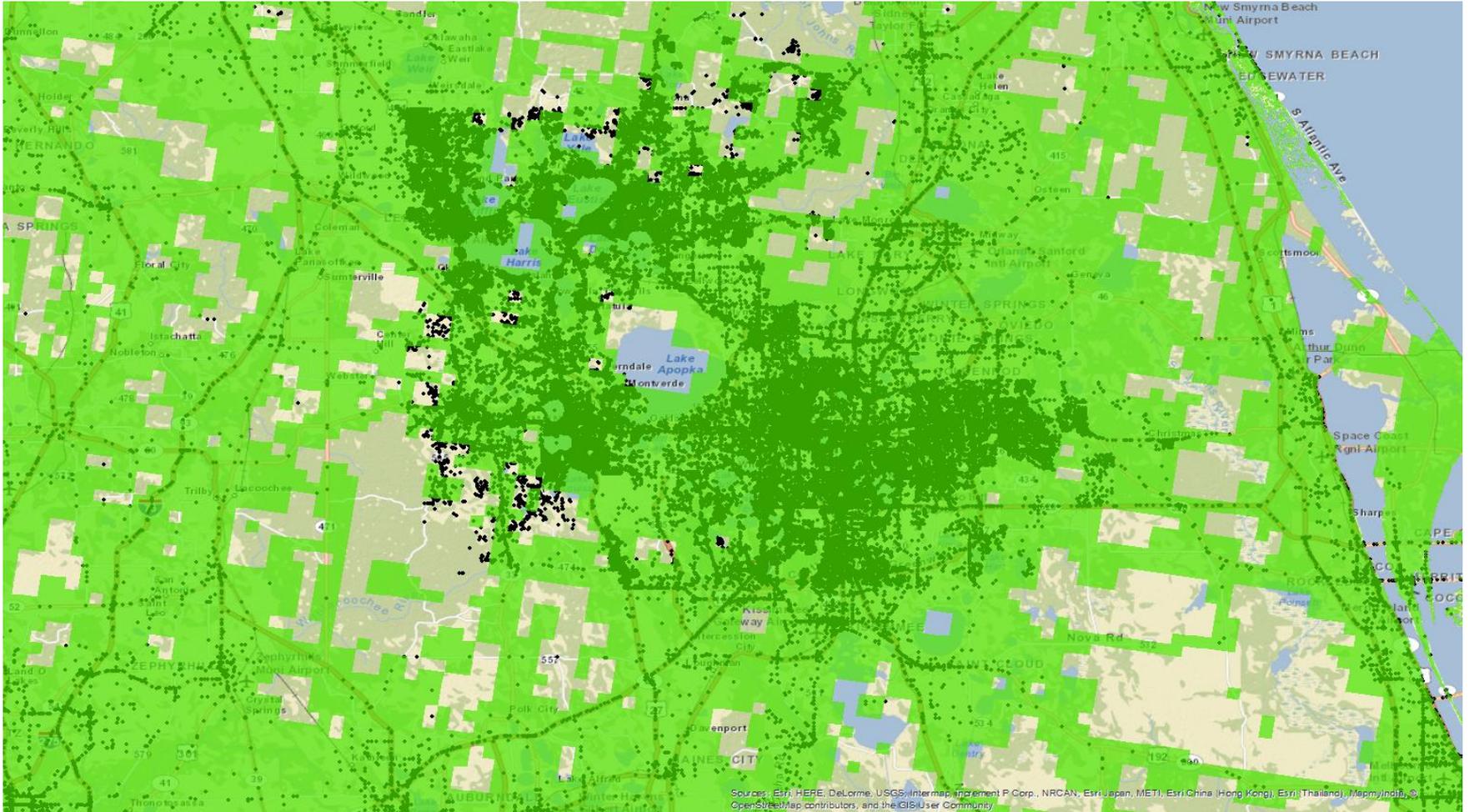
FirstNet Maps

Gainesville



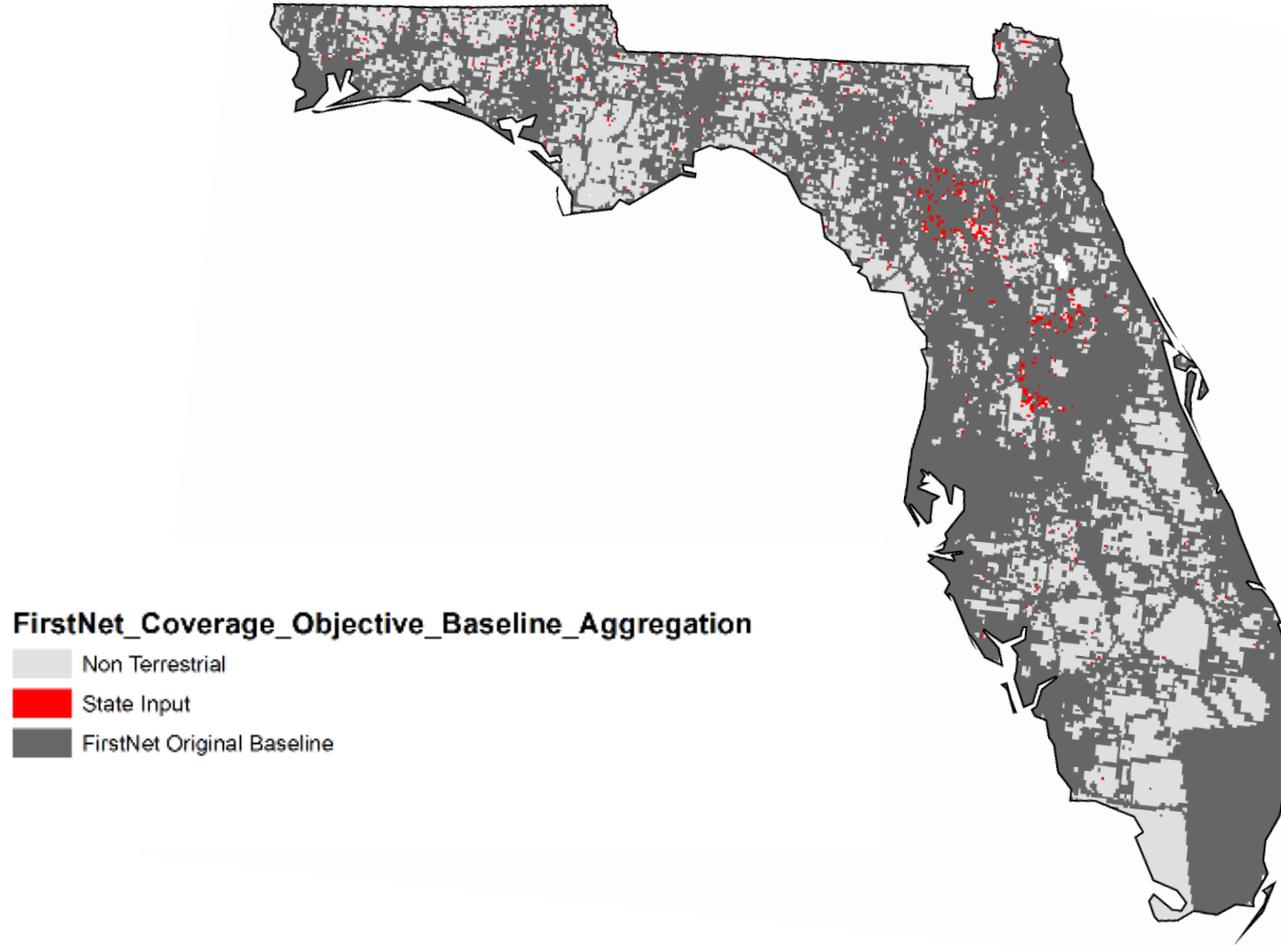
FirstNet Maps

Orlando



FirstNet Maps

Updated Baseline Coverage Objective Map





Budget



Budget Updates

- Florida Prepared:
 - Revised Budget
 - Budget Justification
 - Baseline/Expenditure Plan
 - Narrative Outlining Data Collection Activities
- Budget Currently Being Reviewed By NTIA

Budget

Significant Changes

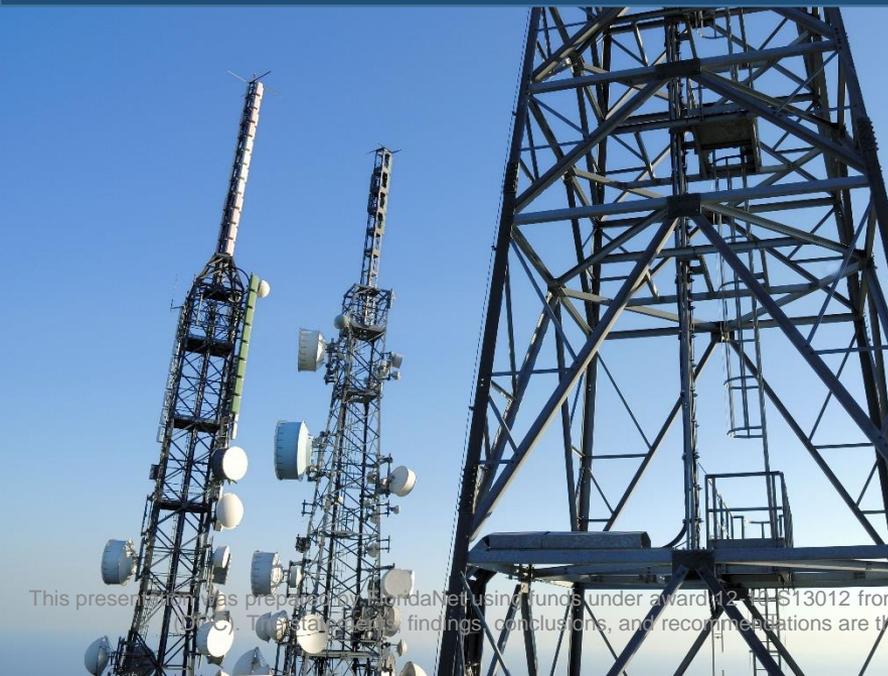
- Staffing
 - Full-Time Planning Coordinator
 - Four Part-time Regional Outreach Coordinators
- Data collection contract
 - \$1.9 Million – Data Collection, Analysis, Aggregation and Preparation
 - Also Prepare For Consultation and State Plan Decision
- Legal Services For Potential MOU Development
 - \$250,000
 - Goal – Speed network build out and improve cost effectiveness of the network

Budget Breakdown

CATEGORY	FEDERAL	STATE MATCH	TOTAL GRANT FUNDS
A. PERSONNEL DEM position	\$52,779		\$52,779
B. FRINGE BENEFITS DEM fringe benefits	\$31,293		\$31,293
C. TRAVEL Travel for DEM staff	\$9,500		\$9,500
D. EQUIPMENT	\$0		\$0
E. SUPPLIES DEM general supplies	\$23,930		\$23,930
F. CONTRACTUAL Agreement with DHSMV 8 federally funded positions with benefits 2 positions used as partial match travel for executive committee members and technical committee members laptops/software general supplies, printing Phase 2 Data Collection vendor MOU Development Meeting attendance time (match)	\$4,768,658	\$1,229,010	\$5,997,668
G. OTHER DEM collocated costs	\$19,110		\$19,110
H. TOTAL DIRECT COSTS	\$4,905,270		\$6,134,280
I. INDIRECT COSTS	\$10,770		\$10,770
J. TOTAL	\$4,916,040	\$1,229,010	\$6,145,050

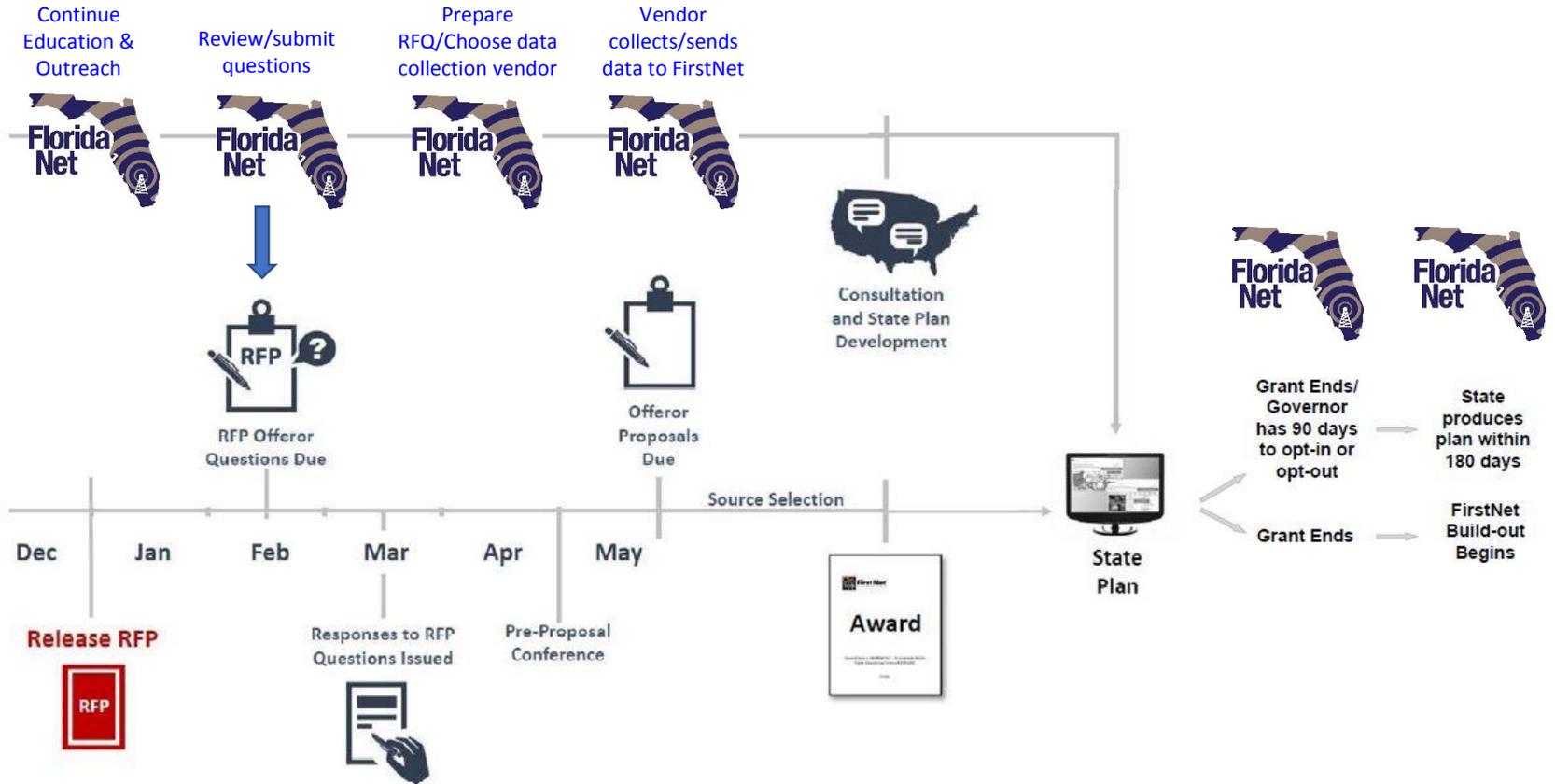


Looking Ahead



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?