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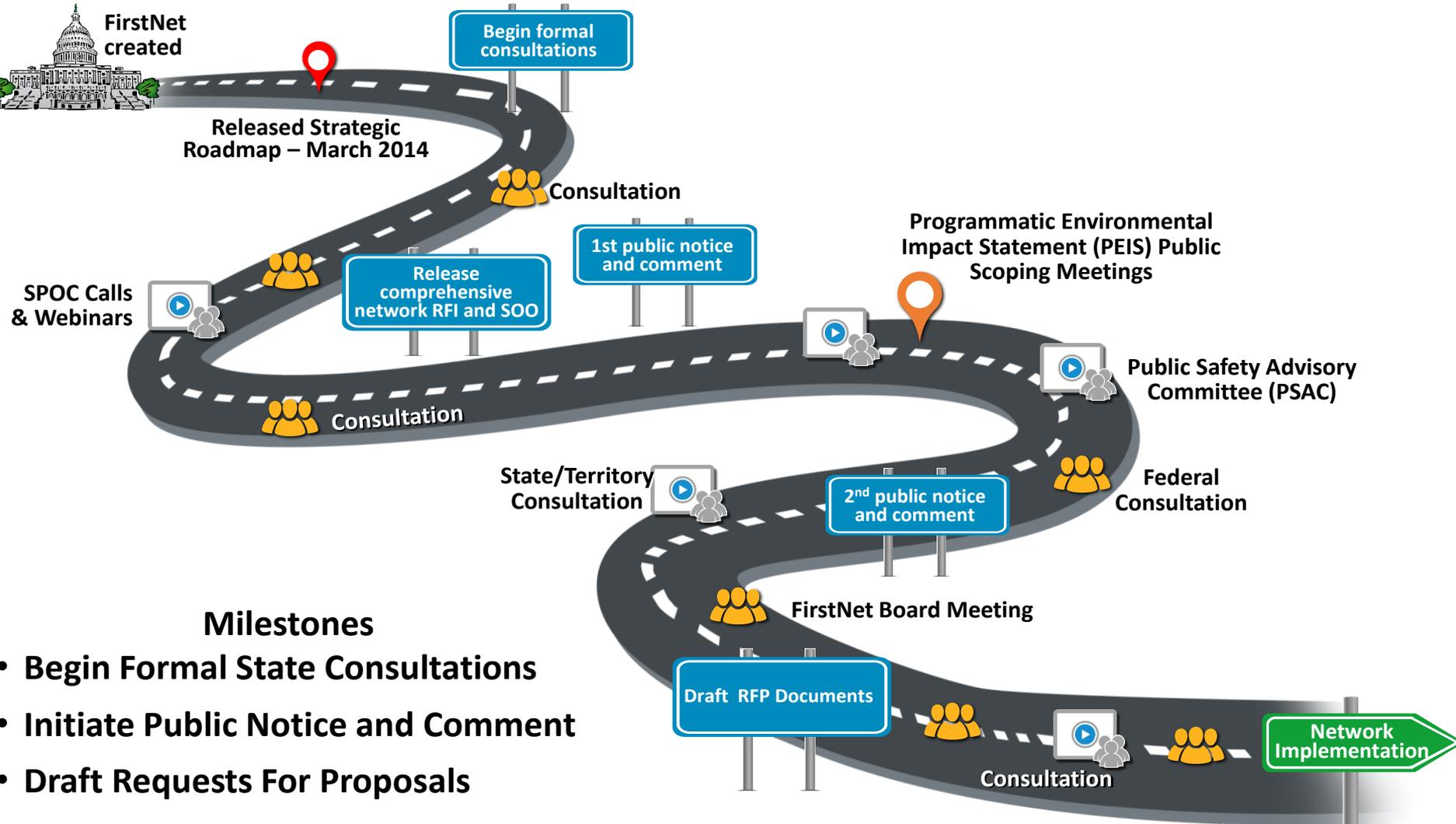
# FirstNet<sup>®</sup>



## Quarterly SPOC Webinar

July 9, 2015

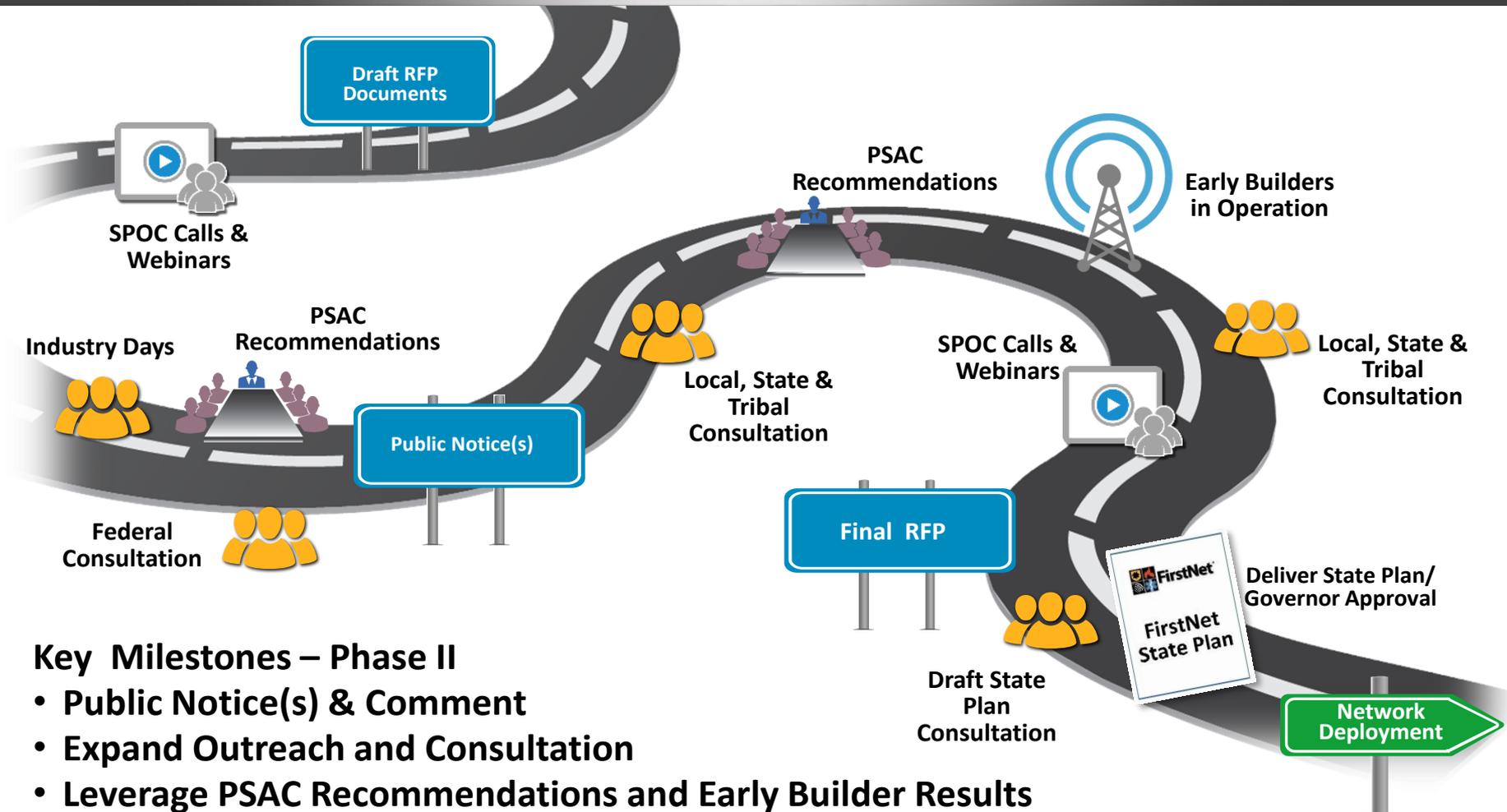
# Our Strategic Roadmap



## Milestones

- **Begin Formal State Consultations**
- **Initiate Public Notice and Comment**
- **Draft Requests For Proposals**

# Phase II: Road To Implementation



## Key Milestones – Phase II

- Public Notice(s) & Comment
- Expand Outreach and Consultation
- Leverage PSAC Recommendations and Early Builder Results
- Release Final RFP

# FY 2015 Milestone Execution



Oct 2014    Nov 2014    Dec 2014    Jan 2015    Feb 2015    Mar 2015    Apr 2015    May 2015    June 2015    July 2015    Aug 2015    Sep 2015



RFI/Draft S00  
Comment/Response Review



Special Notice and Draft RFP Docs  
April 27, 2015



Public Notice and Comment #1

- Users
- Network elements
- Fees



Public Notice and Comment #2  
March 24, 2015

- Technical requirements for equipment
- Network policies
- State plan implementation process
- Customer, operational, and funding considerations



Public Notice and Comment #3  
April 27, 2015

- Refinement of Public Safety Entity definition

Complete Adjudication of Special Notice Inputs

Submit Acquisition Plan to Board

Management Meetings Begin -  
Acquisition Plan

Phase 1 Initial Consultation Complete -  
State Data Submissions Due  
Sept. 30, 2015



240+ Responses to RFI/Draft S00 and Public Notices



Outreach to 19K+ Public Safety & Private Sector Partners



300+ Stakeholder Engagements



Consultation with 1.8K+ Public Safety Representatives in 30 States/Territories

56 State and Territory Consultation Meetings

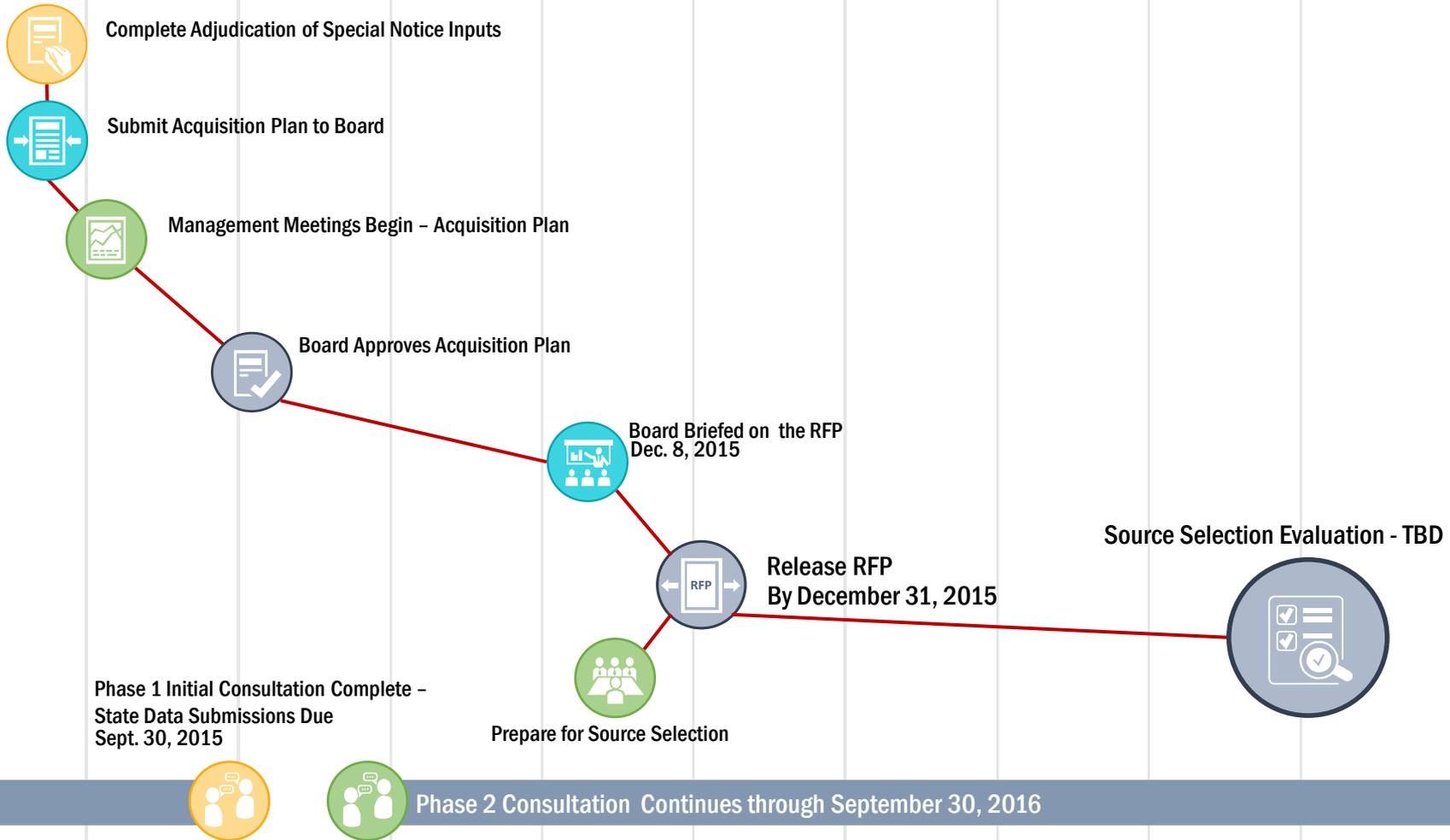


July 9, 2015

# FY 2016 Critical Path and Milestones



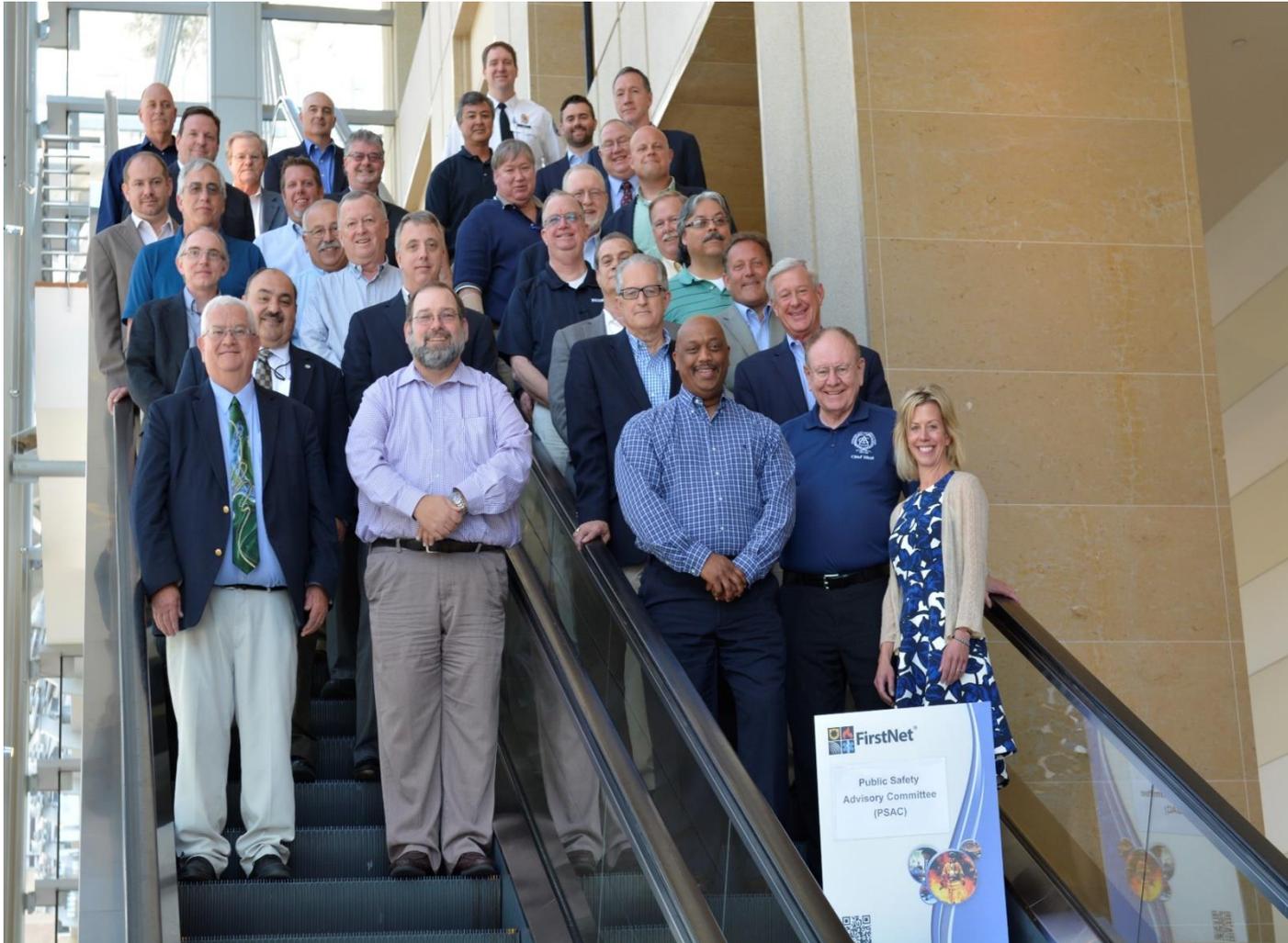
Aug 2015    Sept 2015    Oct 2015    Nov 2015    Dec 2015    Jan 2016    Feb 2016    Mar 2016    Apr 2016    May 2016    June 2016



# Consultation, Outreach, & State Plans



# June 2015 PSAC Meeting Recap



July 9, 2015

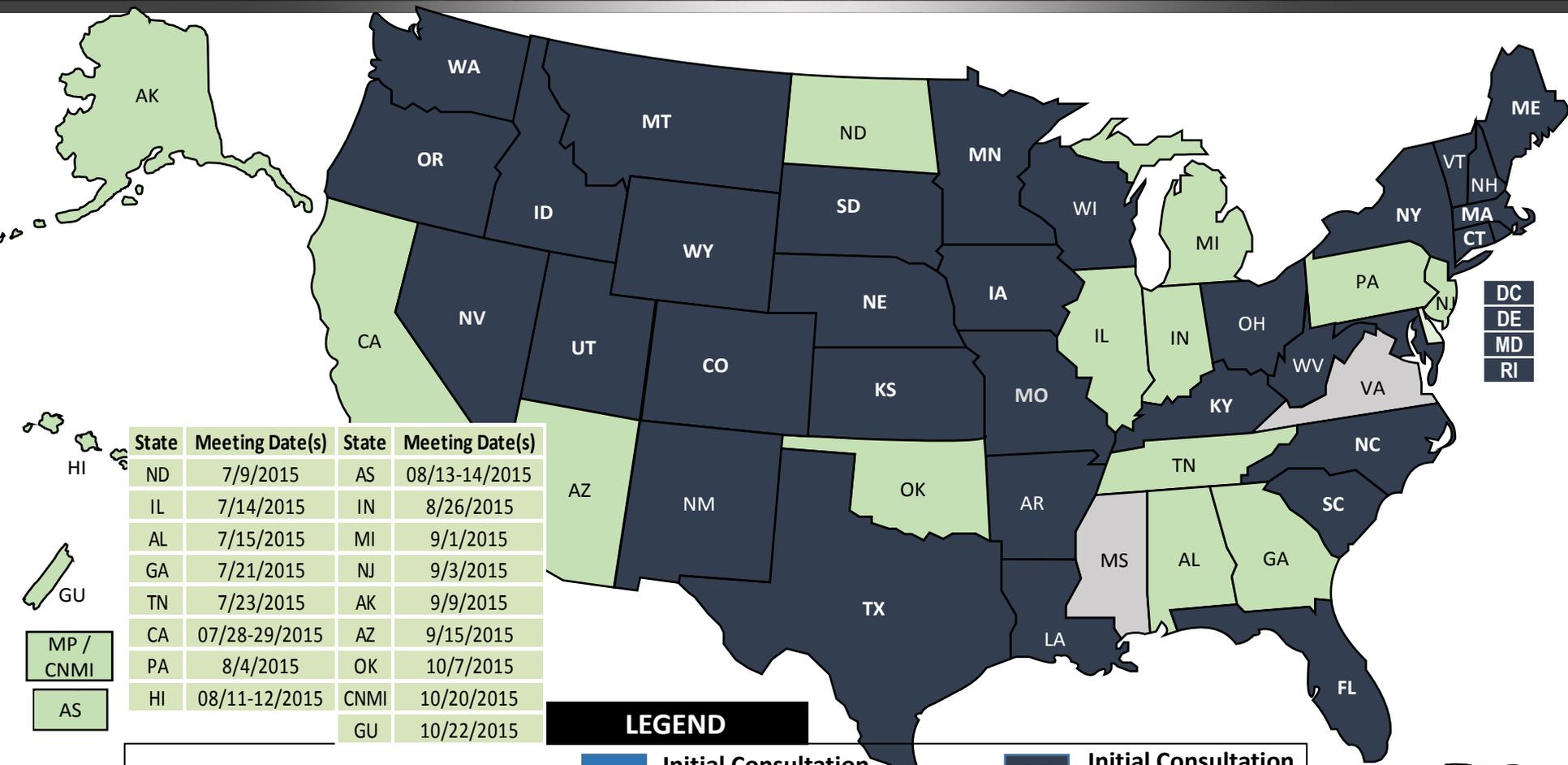
# June 2015 PSAC Meeting Recap



- FirstNet Strategic Roadmap Update
- PSAC Assignment Update and Discussion
  - Topics: Priority and preemption, public safety grade and user equipment
- Special Notice and Draft RFP Documents
- Data Collection and Users/Coverage Objectives
- Second and Third Public Notice

# Tracker – State Consultation Activities

As of July 9, 2015

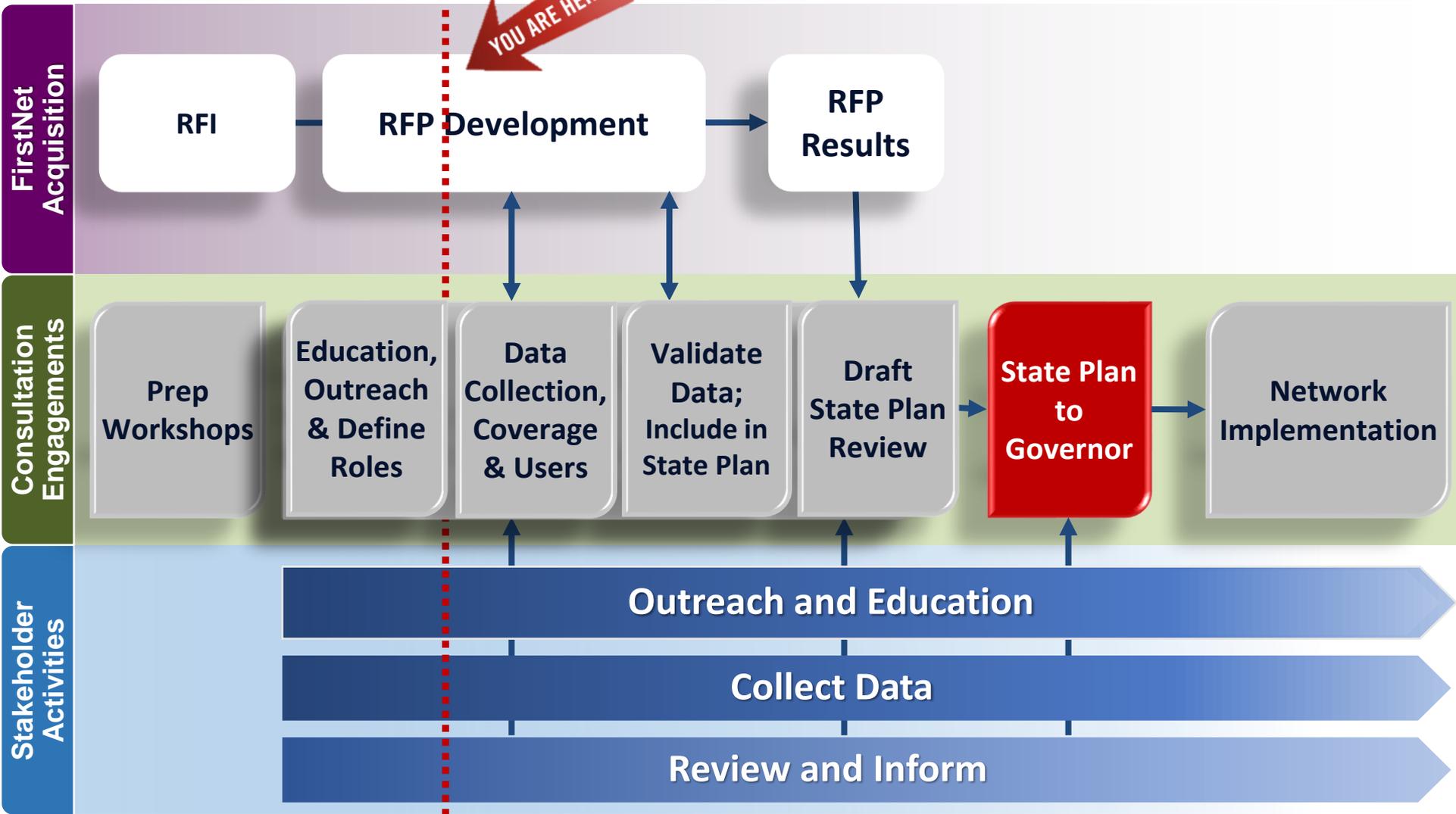


State	Meeting Date(s)	State	Meeting Date(s)
ND	7/9/2015	AS	08/13-14/2015
IL	7/14/2015	IN	8/26/2015
AL	7/15/2015	MI	9/1/2015
GA	7/21/2015	NJ	9/3/2015
TN	7/23/2015	AK	9/9/2015
CA	07/28-29/2015	AZ	9/15/2015
PA	8/4/2015	OK	10/7/2015
HI	08/11-12/2015	CNMI	10/20/2015
		GU	10/22/2015

### LEGEND

<b>All</b>	Received Initial Consultation Package From FirstNet	<b>55</b>	Initial Consultation Checklist Returned To FirstNet	<b>37</b>	Initial Consultation Meeting Held
		<b>53</b>	Pre-Consultation Conference Call Closed	<b>17</b>	Initial Consultation Meeting Scheduled

# Focus Moving Forward



# Acquisition Update



# FirstNet Acquisition Process



- On April 24, FirstNet Board Approved Proposed Acquisition Approach
  - Encourages competition
  - Promotes innovation
  - Allows for flexibility
  - Creates opportunities for feedback
- FirstNet Released Special Notice with Draft RFP Documents on April 27
  - Questions on documents were due May 27
  - Comments & capabilities due July 27



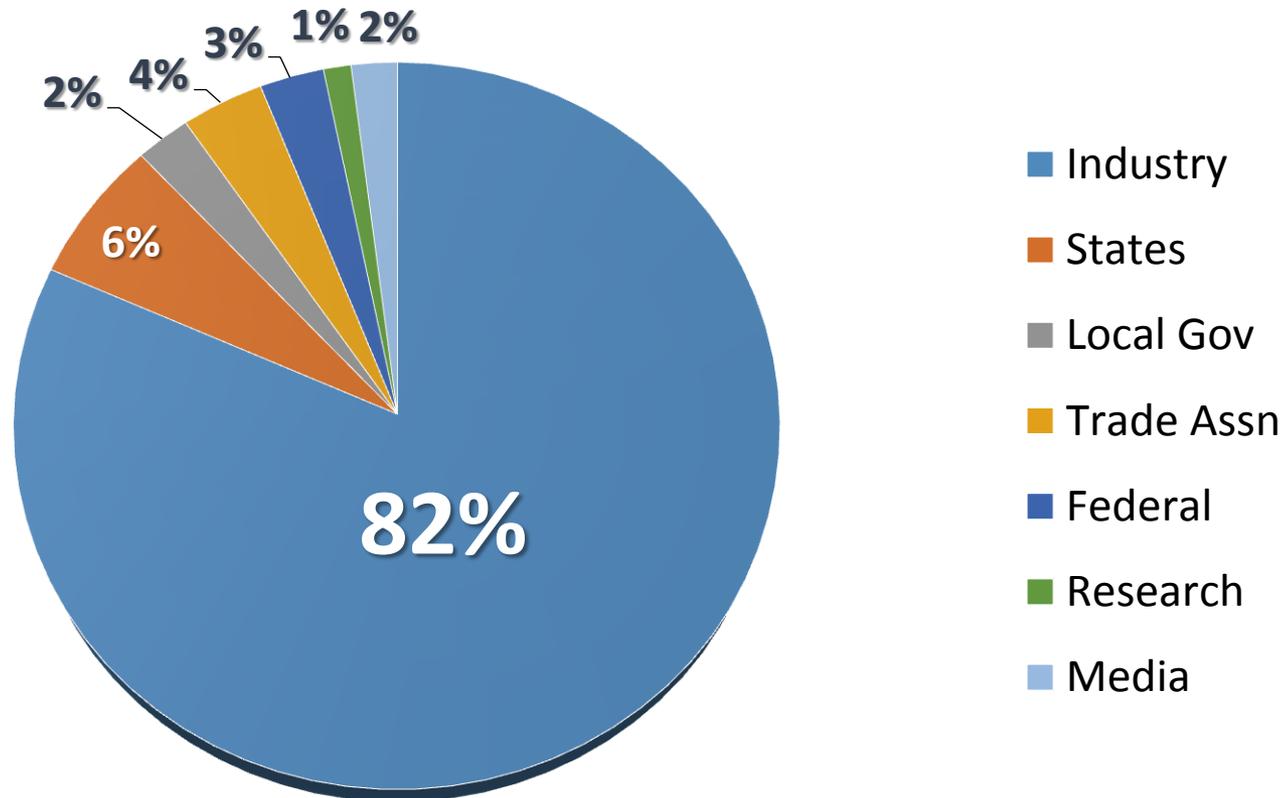
# Industry Day – May 14, 2015



# Industry Day – Big Success



More than 425 individuals from 250 entities participated in-person or via webcast



# Questions on the Special Notice



670 total submissions, including questions from the May 27 Industry Day

52 distinct entities

44 from Industry, 8 states/territories

Industry groups represented include carriers, service integrators, and IT

- Sources of questions:
  - 21% of questions from states and territories
  - 79% of questions from various segments of industry
  
- Most common subject areas:
  - Technical issues
  - Coverage
  - Contract structure
  - FirstNet financial model
  
- Q&As posted to [fbo.gov](http://fbo.gov)



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## Q & A

# Second Notice Response Summary and Third Notice Overview

Kevin Green



# Second Notice and Comment Process Overview



FirstNet initiated its second public notice and comment process seeking comments on certain legislative interpretations under the Act

- **Date of Release:** March 13, 2015
- **Who Could Comment:** Any individual or organization
- **Comment Deadline:** April 28, 2015
- **Comments Posted:** Publically available at [www.regulations.gov](http://www.regulations.gov)

# Second Public Notice



- The Second Public Notice sought comments on certain interpretations under the Act relating to key topics including:
  - Technical Requirements for Equipment Use on the Network
  - Network Policies
  - State Plan Implementation and Decision Process
  - Customer, Operational, and Funding Considerations Regarding State Assumption of Responsibility to Build and Operate a RAN
- Comments received inform the RFP process, interpretations of the Act, and network policies
- We have made no final interpretations
- Numbers and positions of commenters are approximations



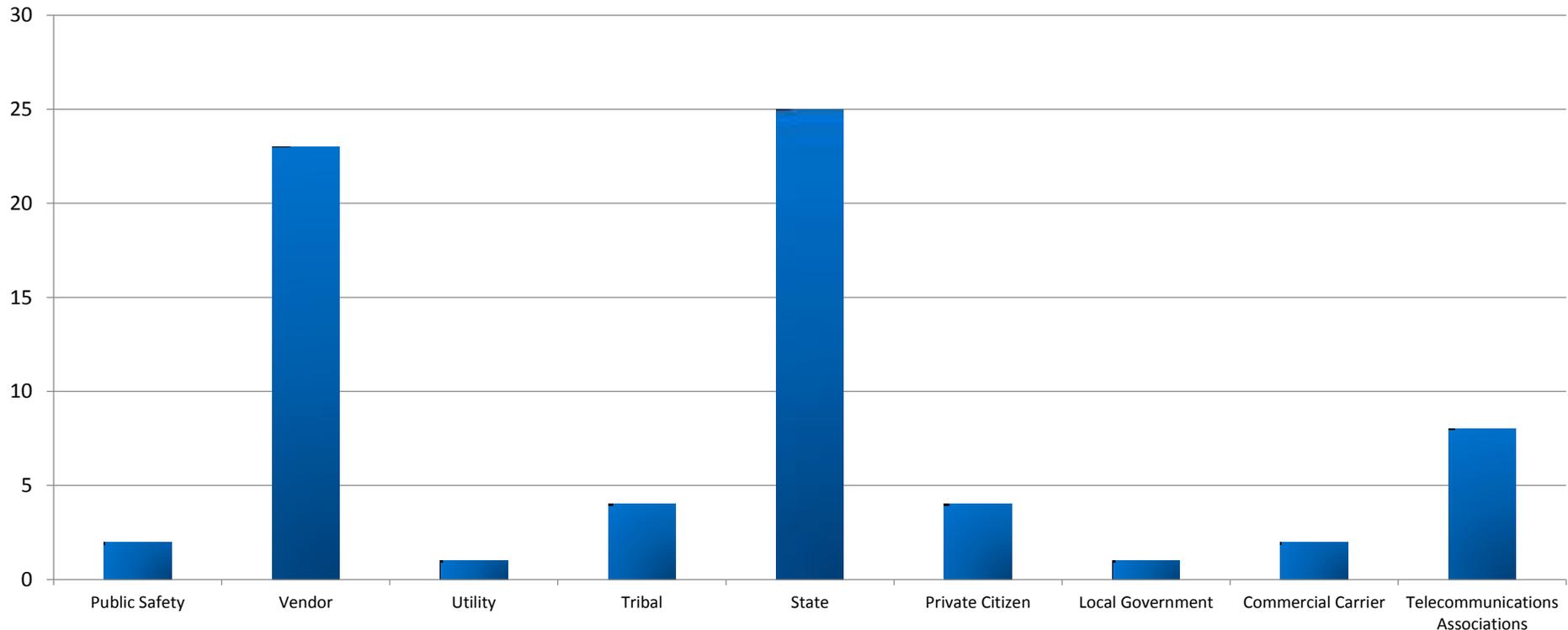
## Second Public Notice

March 2015

# Overview: Second Notice Responses



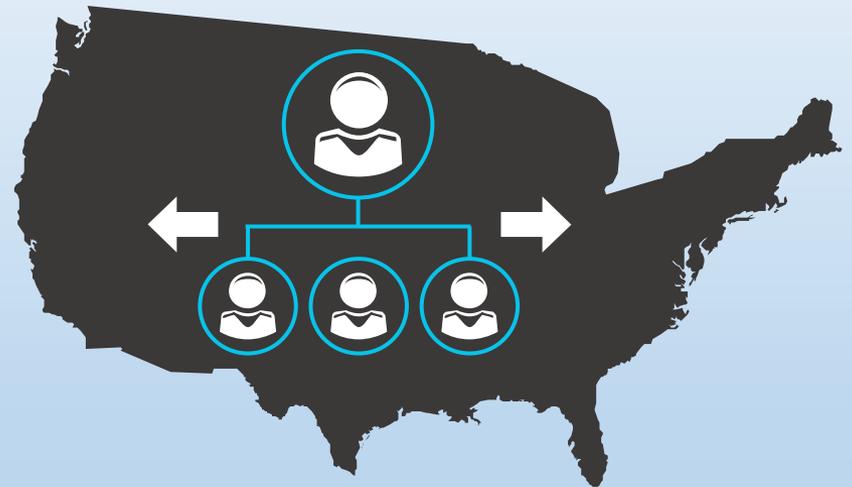
## Summary of Responses Totals by Organization Type



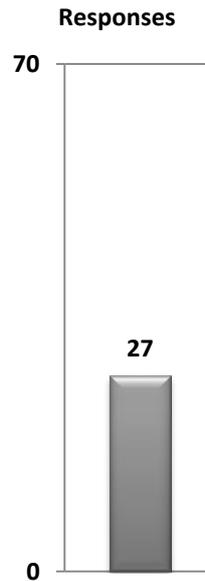
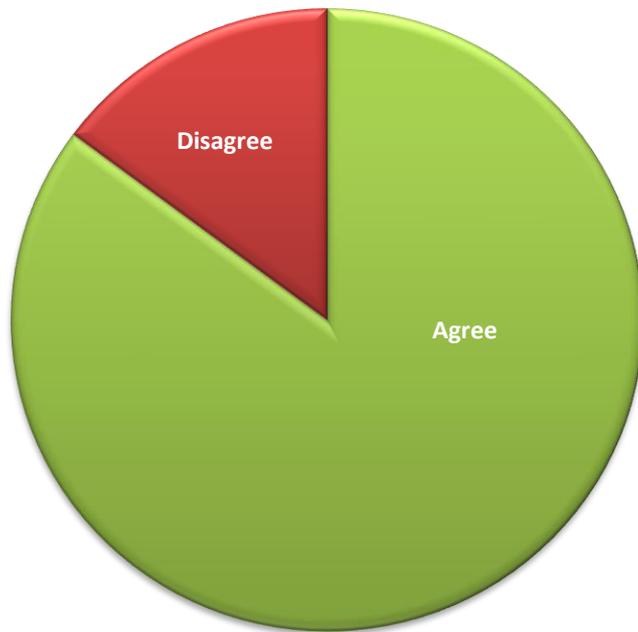
A total of **70** responses were received from various groups, including State, local and Tribal governments, commercial carriers and vendors, and associations.

## Network Policies Ensure the Interoperability of the Network

FirstNet must establish network policies in carrying out its duties and responsibilities to deploy the network

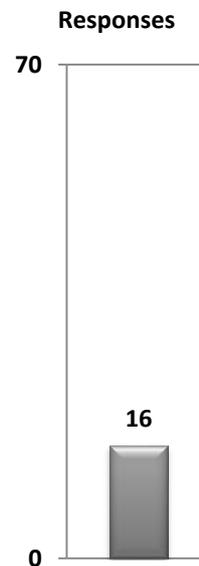


**Notice Interpretation:** Policies developed under Section 6206(c) apply either directly or indirectly to States that seek to conduct their own RAN deployment



- **Agree:** network policies are relevant to and must apply across all of the network to ensure network interoperability and security
- **Disagree:** the policies specifically apply to FirstNet and are not applicable to states conducting RAN deployment
- **Neutral:** no responses

**Notice Interpretation:** FirstNet could require compliance with network policies essential to the deployment and interoperable operation of the network for public safety in all States as a condition of entering into a spectrum capacity lease



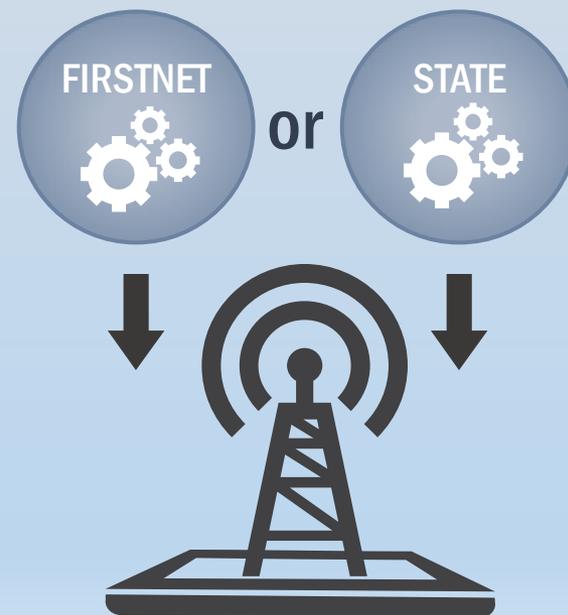
- **Agree:** interoperability of the network must be as simple as possible for the users, and multiple sets of rules and technical requirements would cause inconsistencies with the operation of the network
- **Disagree:** the Act does not permit FirstNet to leverage its control of the spectrum to deny States the benefits of exercising the statutory right to build its own network
- **Neutral:** there is a certain ambiguity as to the definition of “essential” policy, that could impinge upon the State decision in the absence of additional clarity

# A State's Opportunity to Assume Responsibility for Radio Access Network Deployment and Operation

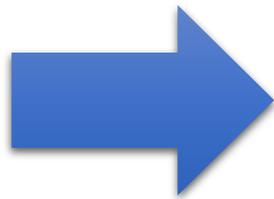
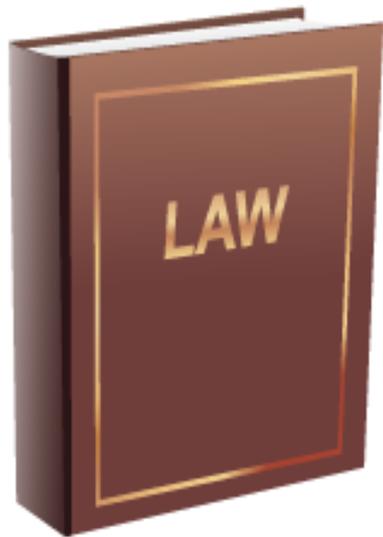


**Provide Certainty of Process for Nationwide and State RAN Deployment— so as Not to Unreasonably Delay Service to Public Safety**

The Act describes the **process** for determining whether FirstNet or the State will conduct the deployment of the radio access network



## Middle Class Tax Relief and Job Creation Act of 2012



“Upon the completion of the request for proposal process...the First Responder Network Authority shall provide to the Governor of each State, or his designee—

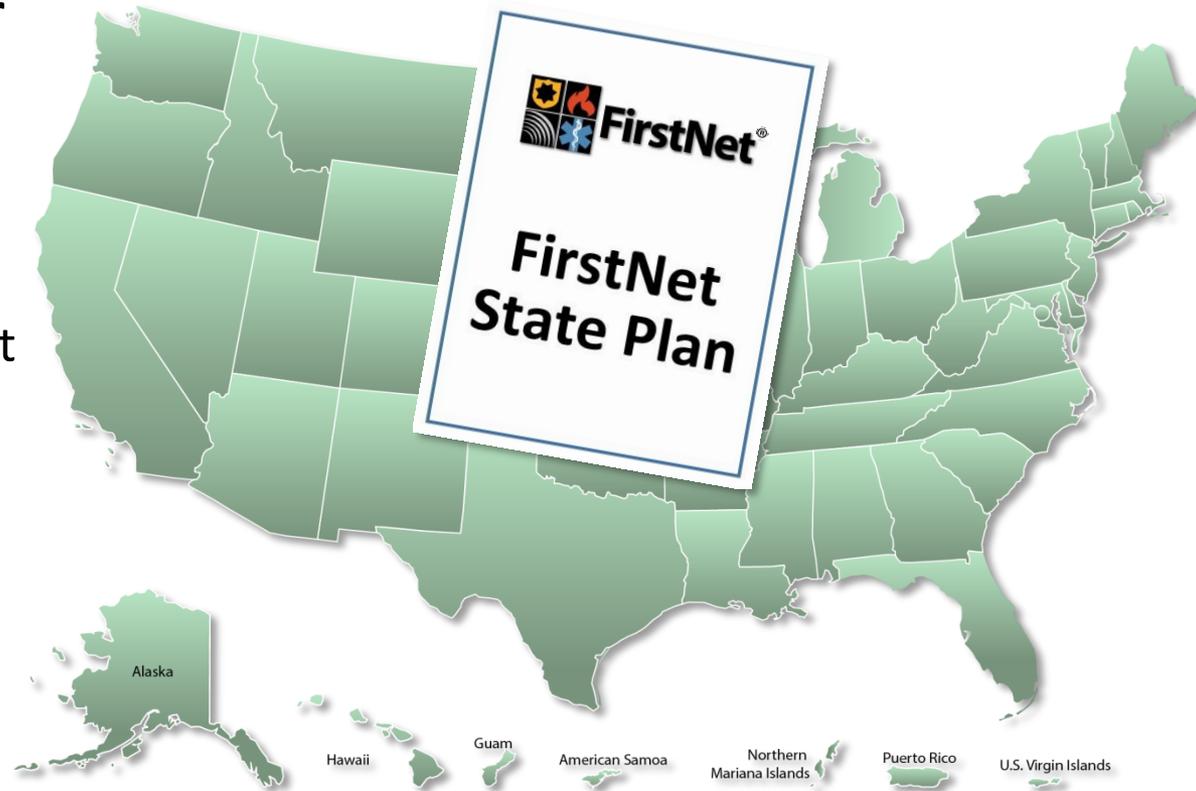
- (A) notice of the completion of the request for proposal process;
- (B) details of the proposed plan for buildout of the nationwide, interoperable broadband network in such State (“State Plan”); and
- (C) the funding level for the State as determined by the NTIA.”

# State Plan Process



**Under the Act, the Governor has 90 days to choose whether to**

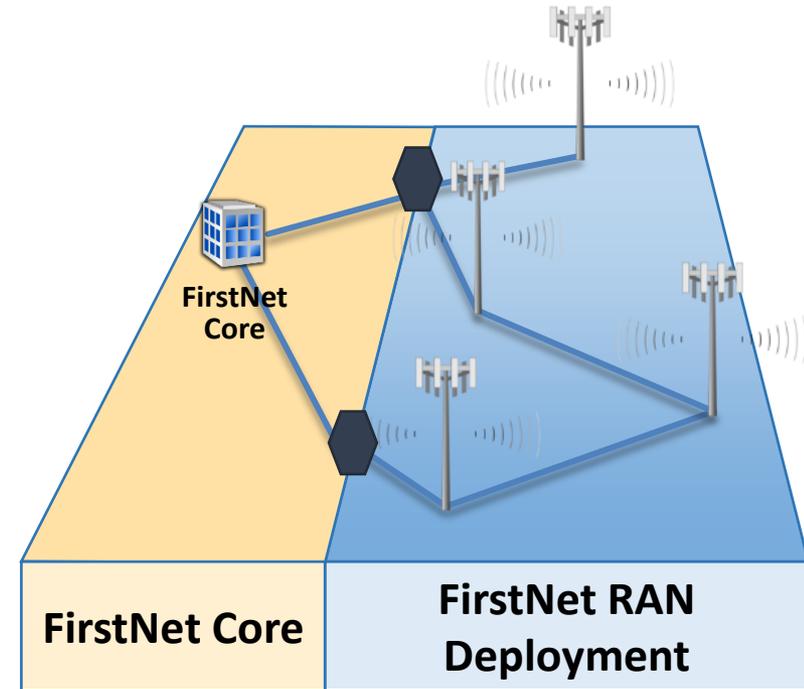
1. Participate in the FirstNet proposed radio access network (RAN) deployment or
2. Assume responsibility to conduct its own state RAN deployment



# State Participation in FirstNet Proposed RAN



- **Governor chooses to accept the deployment of the RAN as proposed by FirstNet**
- **FirstNet is responsible for RAN deployment, including the building, operation, and maintenance of the State RAN**
- **The State's public safety entities will be responsible for paying user fees for the FirstNet service, if they adopt the service**



# State Conducted RAN Deployment



The state must notify FirstNet, NTIA, and FCC of its decision to deploy a RAN and then:

## Complete RFPs within 180 days

- For statewide RAN construction, maintenance, and operation

## Submit alternative State plan for RAN deployment to FCC

- Must meet minimal interoperability requirements

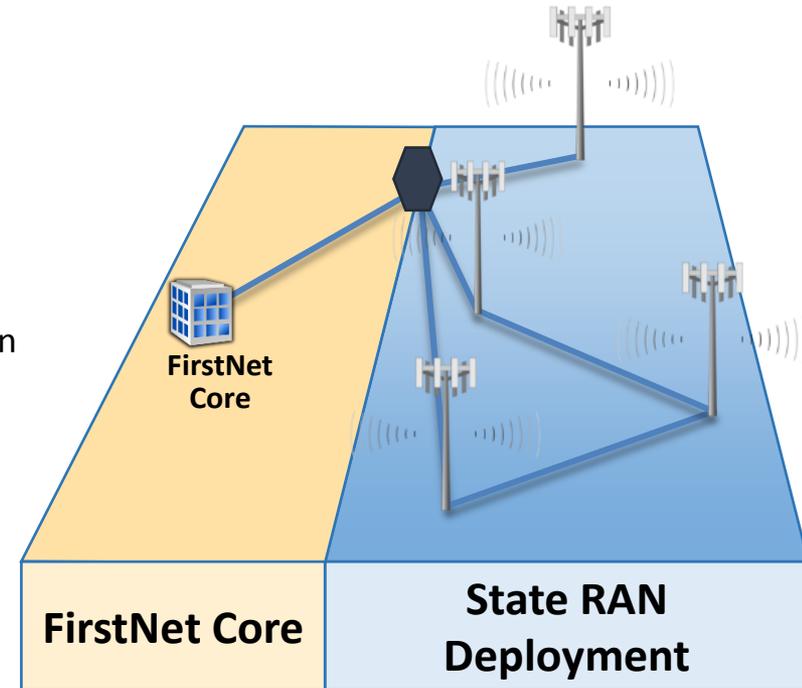
## FCC reviews alternative State plan

- Disapproved – Network deployment follows FirstNet proposed plan
- Approved– State *may* apply to NTIA for a grant for RAN construction, but *must* apply to lease spectrum capacity

## If approved by FCC, apply to NTIA to lease spectrum capacity from FirstNet

- Must demonstrate “cost-effectiveness” of state plan
- Must show comparable completion timelines, security, coverage, and quality of service to that of the nationwide
- Negotiate spectrum lease with FirstNet public safety broadband network (NPSBN)
- Enter into lease with FirstNet

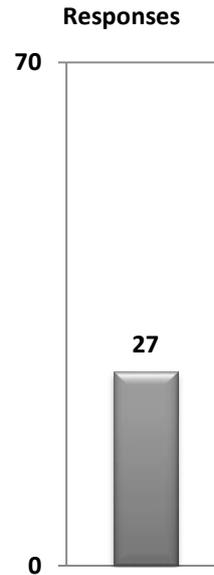
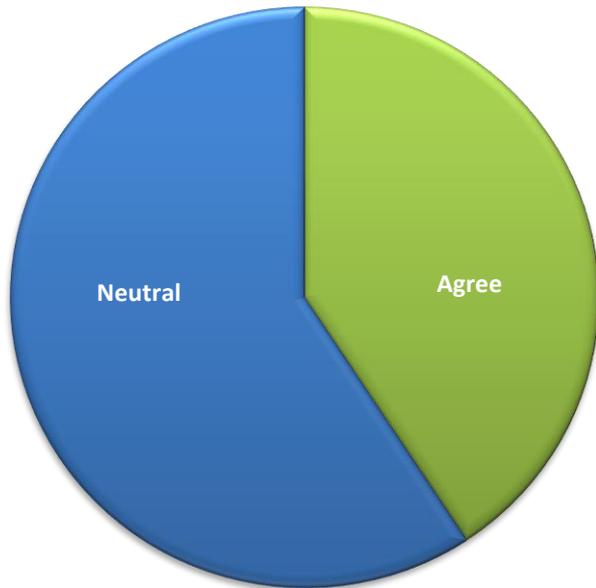
## Pay fees to use FirstNet core



# Content of the State Plan



**Notice Interpretation:** The FirstNet plan (in combination with FirstNet network policies) must provide the State with sufficient information to enable NTIA to make comparisons of cost-effectiveness, security, coverage, and quality of service

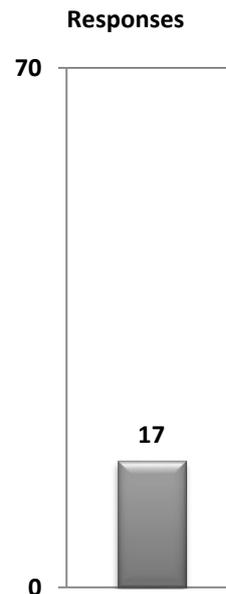
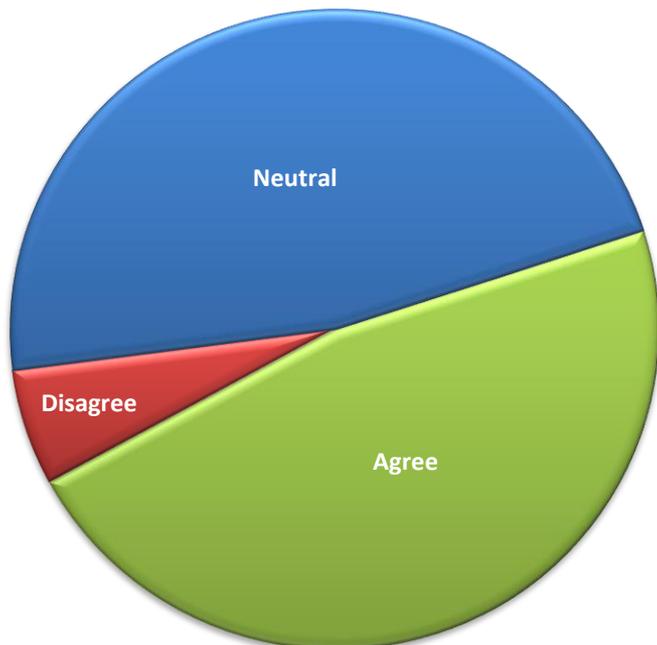


- **Agree:** the criteria discussed in the Act are sufficient to inform a State's decision relating to a network
- **Disagree:** no responses
- **Neutral:** more specific information about the details of the comparison criteria needs to be provided to assist State evaluation of the plan

# Governor's Role in the State Plan Process



**Notice Interpretation:** The decision of the Governor relating to the RAN is binding on all jurisdictions within such State

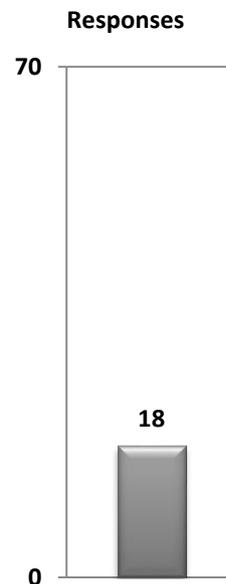
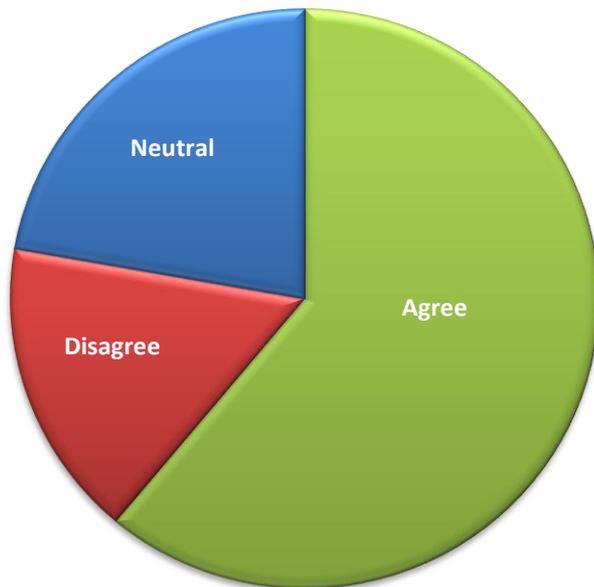


- **Agree:** decision should be binding on local jurisdictions within a state
- **Disagree:** a sub-state level locality is within its rights to make its own decision to operate its own RAN
- **Neutral:** requesting more clarification on the scope of this interpretation

# Timing of State Decision



**Notice Interpretation:** Section 6302(e)(2) requires that the Governor make a decision “not later than 90 days after the date on which the Governor of a State receives notice under [Section 6302(e)(1)].” We preliminarily conclude that the Governor must await such notice and presentation of the FirstNet plan prior to making the decision under Section 6302(e)(2)

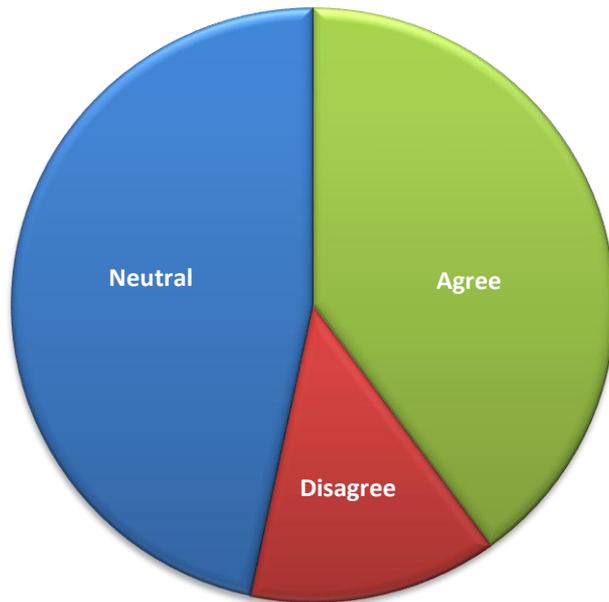


- **Agree:** Governor should wait until all material data, costs, design, service and demand considerations have been presented in order to have sufficient information to make reasonable decision
- **Disagree:** FirstNet should work with States when early opportunities for network deployment exist
- **Neutral:** the statutory time is insufficient for a Governor to make a decision absent robust sharing of information prior to plan presentation

# Notification of State Decision



**Notice Interpretation:** The State decision to participate in the FirstNet proposed deployment of the network in such State may be manifested by a State providing either (1) actual notice in writing to FirstNet within the 90-day decision period or (2) no notice within the 90-day period established under Section 6302(e)(2)



Responses

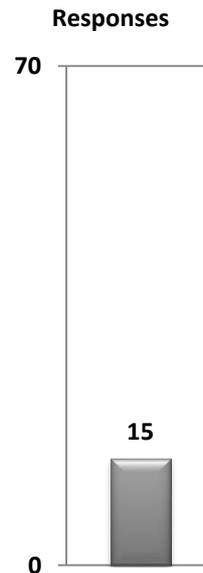
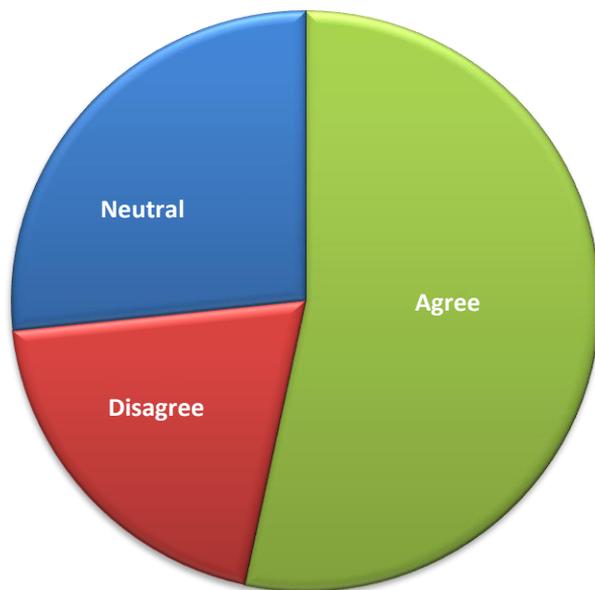


- **Agree:** speed to network deployment is vital and there must be definable timelines and milestones that make up this schedule of events
- **Disagree:** the 90 day timeframe is insufficient to make a decision and there should be no sanctions for States' failure to inform FirstNet of its decision within that time period
- **Neutral:** broad range of options, ranging from full acceptance of FirstNet's plan to the full opt-out decision by the State should be allowed

# State Development of an Alternative Plan



**Notice Interpretation:** A State that fails to “complete” its request for proposal process in the 180-day period under the Act would forfeit its ability to submit an alternative plan and would result in the construction, maintenance, operations, and improvements of the network within the State proceeding in accordance with the FirstNet plan

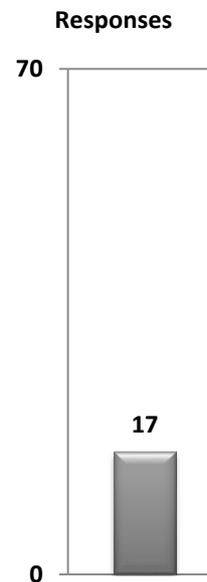
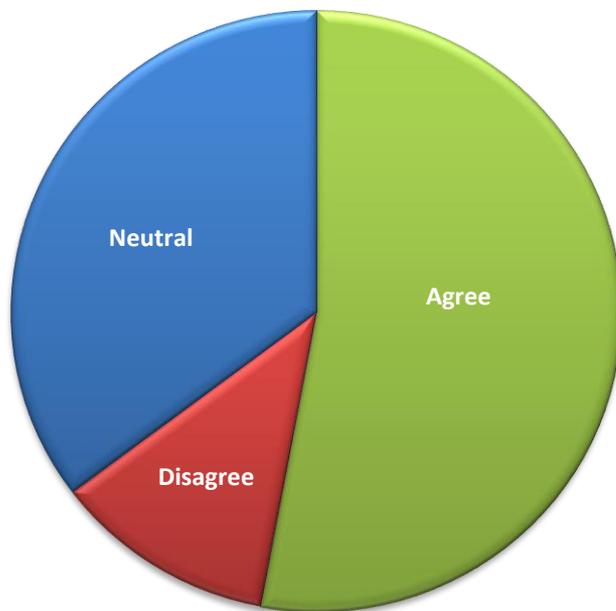


- **Agree:** the Act set aggressive timelines to ensure deployment is not delayed
- **Disagree:** the 180-day frame is insufficient to provide a feasible alternative plan
- **Neutral:** FirstNet should consider how far along in the RFP process a State is at the 180 days, rather than automatically foreclosing the State’s opportunity to submit an alternative plan

# States Responsibilities After Alternative Plan Approval



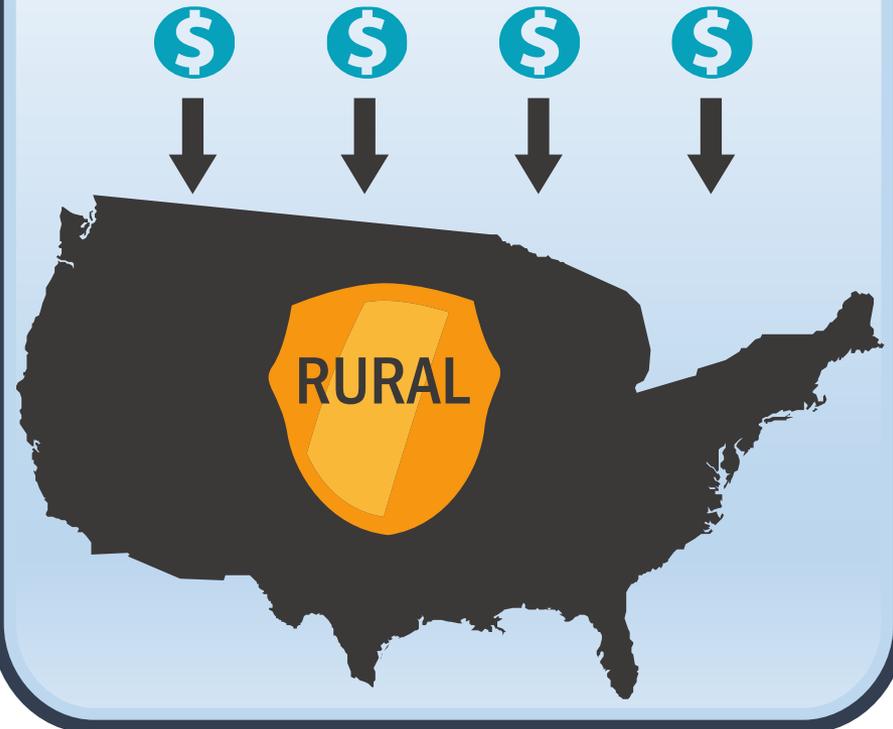
**Notice Interpretation:** The approval by the FCC of an alternative State plan results in that State being solely responsible for the construction, operation, maintenance, and improvement of the RAN in such State in accordance with the State's approved plan, and extinguishing any obligation of FirstNet to construct, operate, maintain, or improve the RAN in such State



- **Agree:** certainty is needed to quickly implement the network
- **Disagree:** combination of inaction or plan disapprovals can not substitute for an affirmative declaration by a State
- **Neutral:** more clarification relating to parameters of the proposed plan are necessary

## Protect Deployment in Rural States While Preserving the Right of All States to Assume Responsibility for the RAN

The Act preserves the **right of States** to construct and operate their own RAN, but **not** in a way that also allows them to **capture funding**, beyond the reasonable costs of such a RAN



- **FirstNet is a Zero-Sum Game**

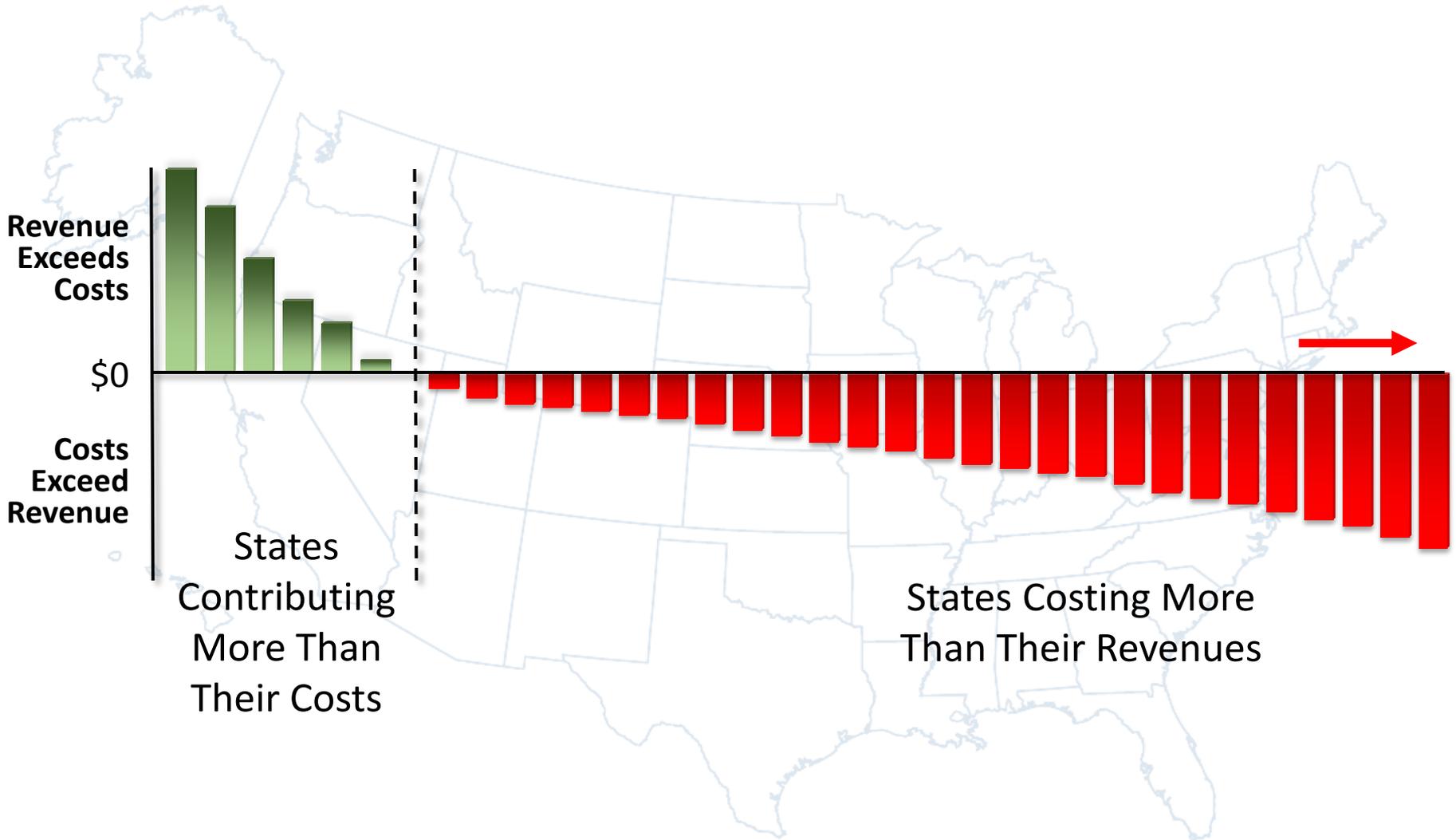
- Fees = Costs
- All FirstNet fees are reinvested to construct, maintain, operate, or improve the nationwide network

- **Three Funding Sources**

- \$7 billion
- Excess spectrum capacity fees
- Subscriber fees



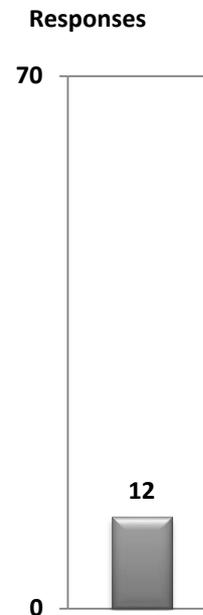
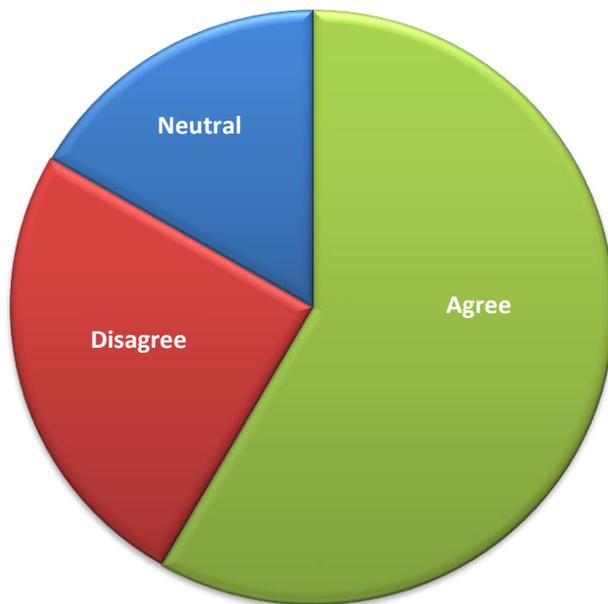
# The State Equation: Cost to Serve $\cong$ Density of Population



# Reinvestment of Revenues



**Notice Interpretation:** The Act preserves the right of States to construct and operate their own RAN, but not in a way that also allows them to capture funding, beyond the reasonable costs of such a RAN, that is essential to rural States and the viability of the FirstNet program

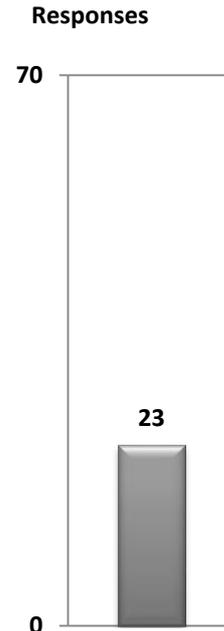
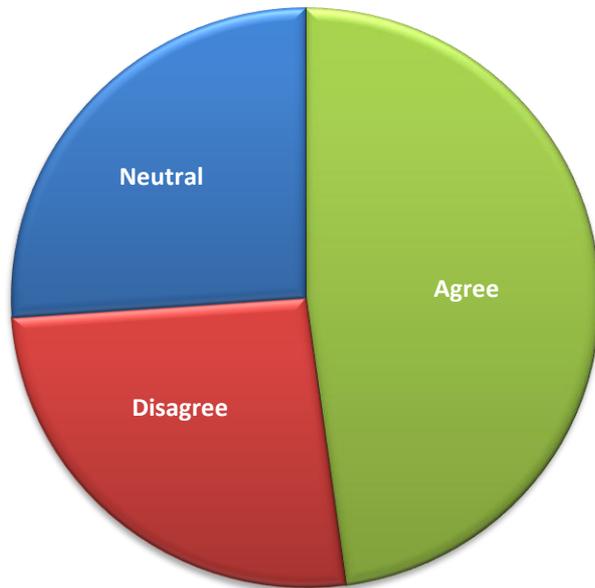


- **Agree:** the law was written to ensure that entire nationwide network is self-sustaining, including high-cost rural areas
- **Disagree:** this interpretation is unsupported by the Act's plain language
- **Neutral:** more documentation in support of this interpretation in necessary

# Reinvestment of Revenues



**Notice Interpretation:** FirstNet must take the various funding considerations, including cost-effectiveness, into account in negotiating a spectrum lease with States



- **Agree:** FirstNet must use the tools available – such as spectrum lease approval – to ensure that an opt-out state does not siphon-off a disproportionate amount of the funds available for network implementation
- **Disagree:** the Act does not permit FirstNet to leverage its control of the spectrum to deny States the benefits of exercising the statutory right to opt out
- **Neutral:** further clarification on the spectrum lease approval process is required to evaluate this interpretation

# Summary



- We asked approximately 50 questions
- Aim of interpretations is to ensure certainty within boundaries of statutory language to ensure service to public safety is not delayed
- Response levels across constituent entity groups was strong notwithstanding absolute number of responses per question
  - Different groups tended to respond to issues most relevant to them
  - e.g., vendor focus on technical questions - state focus on requirements related to RAN and investment of revenues, etc.
- Constructive and helpful feedback
- Overwhelming agreement with the bulk of our preliminary conclusions
- Many of the disagrees were focused more on statutory language than FirstNet interpretation
- Neutrals often substantially agreed with interpretations, sought additional information, proposed alternatives, or raised different issues



# Third Notice Overview



- Follow-up to First Notice definition of “Public Safety Entity”
  - Refined to limit non-traditional first responder qualifying entities to personnel reasonably likely to perform public safety services
  
- **Date of Release:** May 5, 2015
- **Who Could Comment:** Any individual or organization
- **Comment Deadline:** June 4, 2015
- **Comments Posted:** Publically available at [www.regulations.gov](http://www.regulations.gov)
  
- **54** total responses were received from various groups
  - State and local governments
  - utilities
  - commercial carriers and vendors
  - associations
  
- **22** responses received from States
  
- Strong overall support for refined definition, including overwhelming agreement from States



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## Q & A

# Upcoming Milestones

Jeremy Zollo



# Quarter 4 Focus: Data Collection & Next Consultation Steps



- **Planning for second state & territory consultation has begun.**
- July 2015. Individual state and territory calls to discuss data collection progress.
- August 11 or 12, 2015. Webinar to feature states' data collection methodology.
- Late August 2015. Industry Day, Reston.
- Late August 2015. Public Safety Day/Webinar. Recap of second industry event.
- **September 30, 2015. Major data collection from states due.**
- **October 31, 2015. Initial consultation phase complete.**

# Upcoming Events



- FirstNet Board Meetings – Sept 22-23, Reston VA
- In Person SPOC Webinar – October 6-8 (tentative)
- Monthly Regional Calls – September thru December
- FirstNet Board Meetings – Dec 8-9, Houston, TX
- Scheduling begins for 2016 second consultation meetings
- RFP issued – December 31 target.



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## Q & A



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# Thank You