

Agenda

- 1. FirstNet and NPSBN Update**
- 2. Data Collection Requirements**
- 3. Proposed Coverage Build-Out Methodology**
- 4. Proposed Coverage Build-Out Phases**

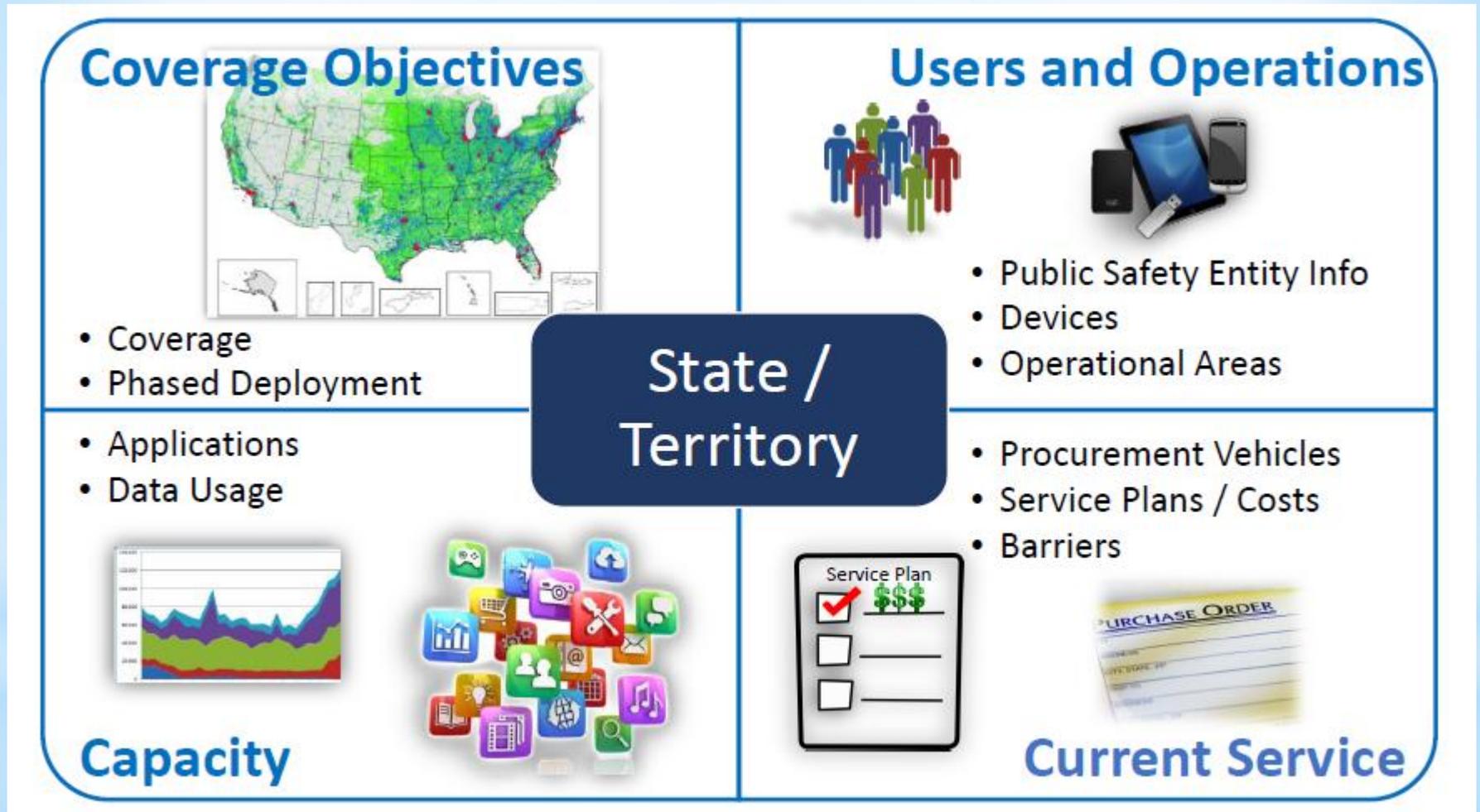
FirstNet Duties & the Nationwide Public Safety Broadband Network (NPSBN)

- Develop and implement a nationwide network
- Issue system construction RFP(s)
- Ensure the ongoing maintenance, operation and improvement of the network
- The NPSBN to be designed with broad input from public safety at the state, territory, county, municipal, and tribal level:
 - **Input coming during the consultation process**

- Provide nationwide coverage, including rural and remote areas
- Meet public safety requirements
 - provide priority and preemption during emergencies
- Build in resiliency and reliability
- Evolve with technology to provide access to applications and innovative services



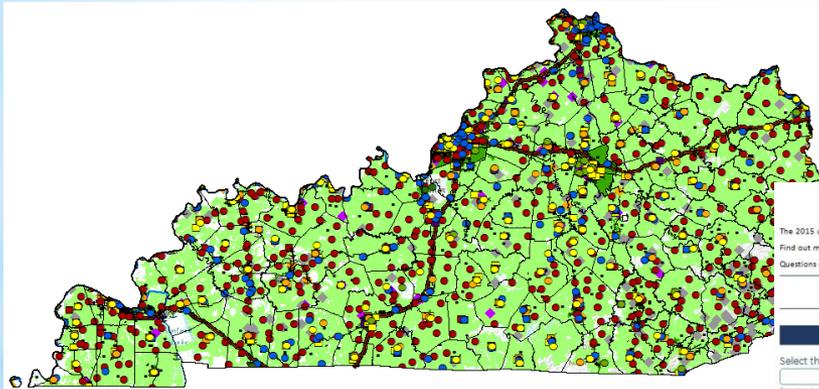
Planning Data Collection



Initial Response Due September 30, 2015

KY FirstNet Team Planning Activities to Date

- County work packets distributed,
 - Initial OEC Coverage Suggestions,
- PSAP areas and incidents collection,
- Additional Public Safety Assessment in process,
 - Phone Outreach and follow-up



Kentucky FirstNet Requirements Work Package McCracken County Proposed Coverage Checklist

Please check each item below as completed to assure that all required feedback is provided. The below checklist numbers are also shown at each work package area where the corresponding feedback is to be provided.

- 1 Note the delimiting factors and map symbologies for the OEC's baseline of In-Building, Handheld, Vehicular, and Satellite/Deployable levels of coverage.
- 2 Evaluate subsequent Map Pages and identify potential coverage differences based on your emergency management/public safety operational needs.
- 3 Check appropriate box indicating whether the proposed baseline meets your coverage needs with or without any changes required.
- 4 If changes are required, indicate those potential coverage differences to the baseline In-Building, Handheld, Vehicular, and/or Satellite/Deployable coverage by marking up the Map Pages and/or explaining in the subsequent Coverage Feedback section. Responses can be provided by:
 - Entering feedback directly in the electronic file and return via email
 - Print and note feedback directly on hard copies which may be:
 - scanned and returned via email
 - fax
 Add additional Feedback and/or Map Pages as required to thoroughly describe your potential coverage differences or provide other information pertinent to your emergency management/public safety operational needs.
- 5 Provide information on any special events.
- 6 Indicate types of current Commercial Service.
- 7 Check appropriate box indicating whether you are currently using the Kentucky IP Mobile Network.
- 8 Provide any other additional information.
- 9 Provide any missing Emergency Service or Public Service Agencies, and updates for any incorrect or estimates for any missing information.
- 10 Return completed coverage work package (see response contact information on last page of Work Package (before Attachment A))

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FirstNet Kentucky Public Safety User Assessment: 2015

The 2015 user assessment is for collecting data for FirstNet Kentucky.
 Find out more: <https://www.kyfirstnet.com/>
 Questions marked with a red asterisk (*) are required to submit the Assessment

Agency Information

Your Agency and Contact Information

Select the discipline that best describes your agency: *

Emergency Management
 Emergency Medical Services
 Fire Service
 Law Enforcement (Municipal Police, State Police, Sheriff, Highway Patrol)
 Public Safety Communications
 Specialized Law Enforcement (Investigations, Intelligence, Diplomatic Protection, Specific Jurisdiction or Mission)

State:
 NOTE: If you are responding from a neighboring jurisdiction outside Kentucky, please specify:

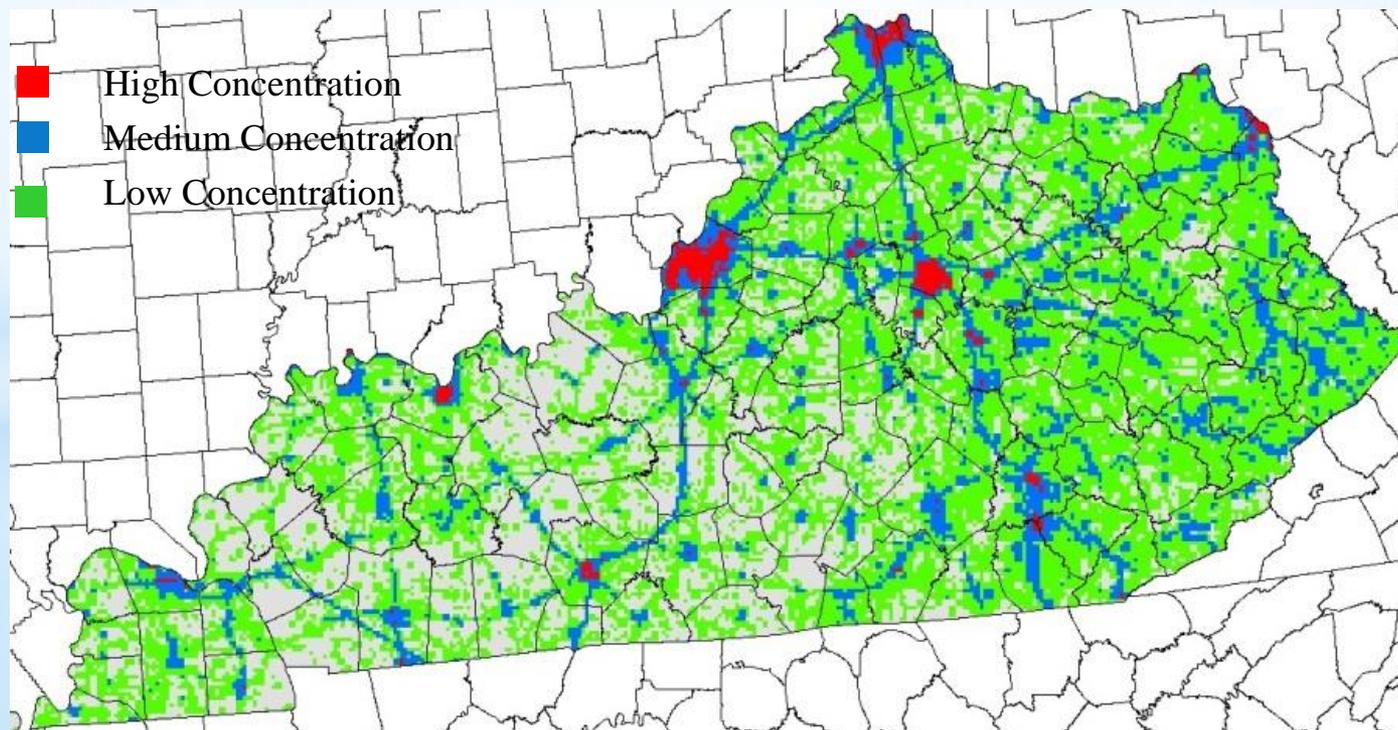
County:
 Select the county where you work from the list below:

City or Town:
 Select the city or town where you work from the list below (if applicable):

Data to be Compiled: Coverage

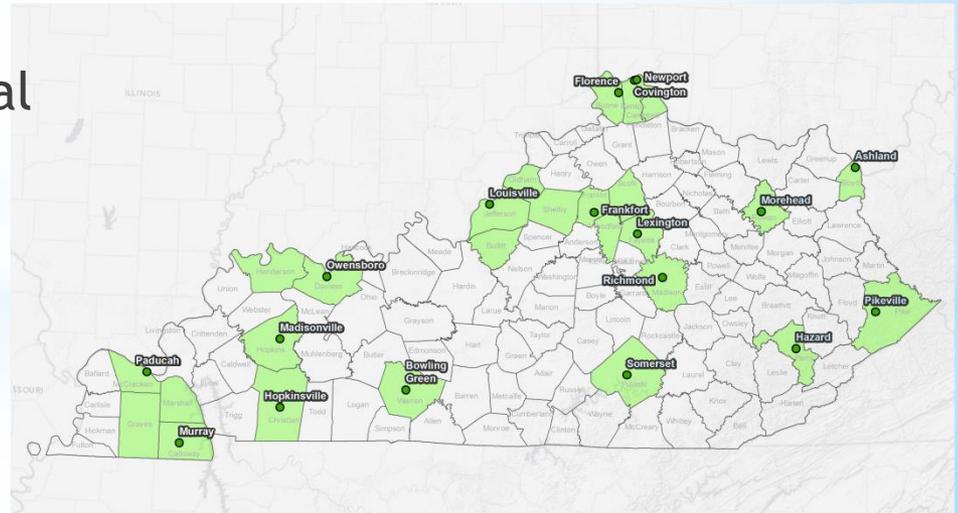
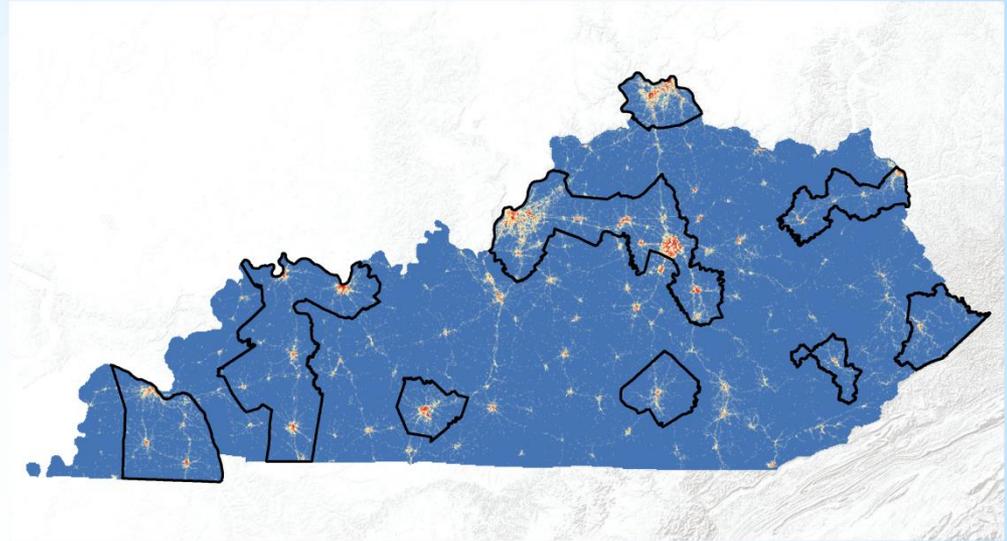
1. Coverage		Identify desired coverage and proposed deployment phases within the State/Territory
1a.	Coverage Objectives	Identify State/Territory coverage by developing a baseline or providing feedback and changes to the FirstNet baseline
1b.	Phased Deployment Approach	Provide recommendations on targeted areas or objectives for each deployment phase (suggest a minimum of 5 phases)

- Initial criteria for phased deployment is being proposed - maps to be developed for delivery to FirstNet:



Coverage Build-Out Methodology

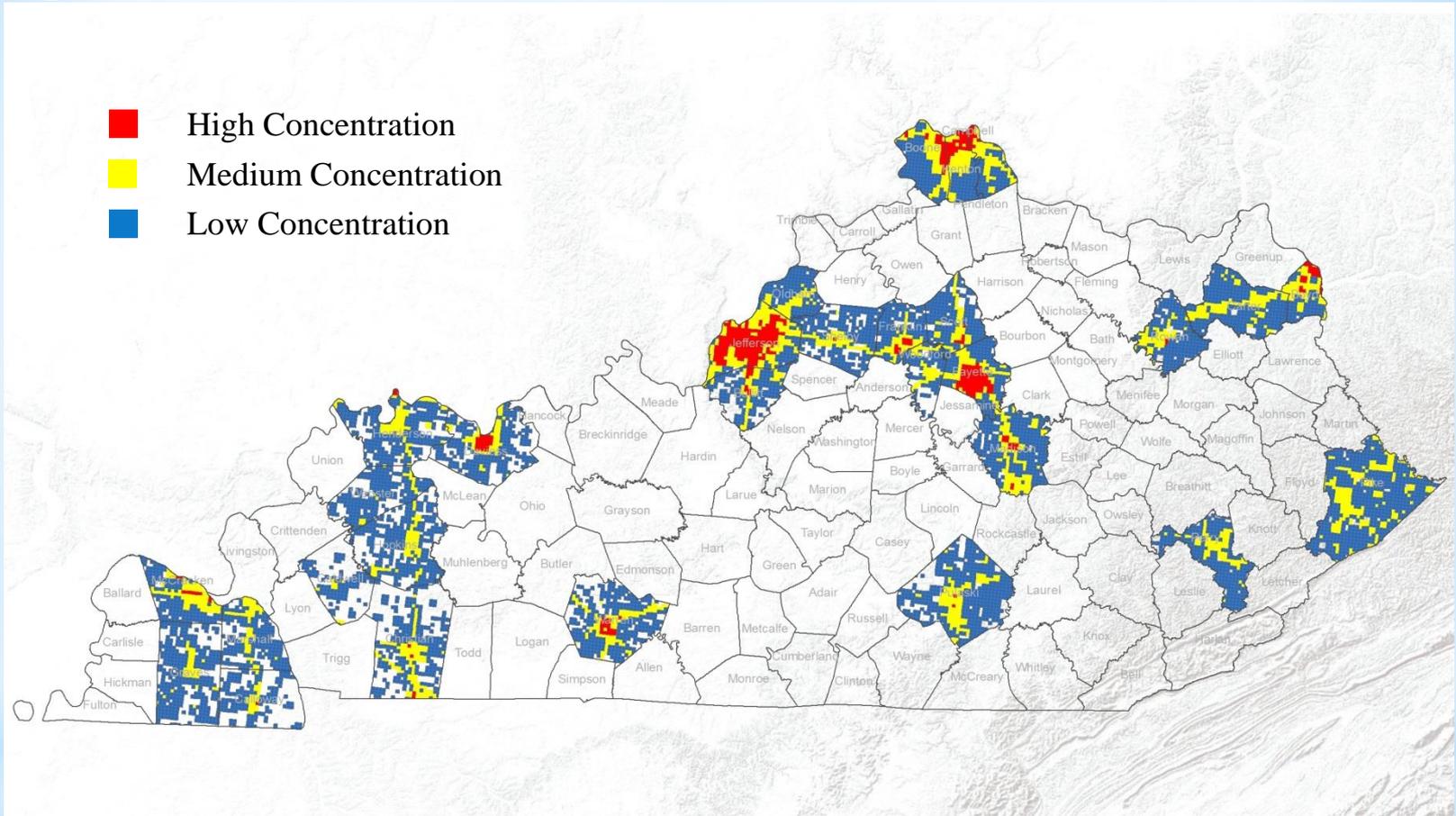
- Work at regional level to take into account local input and measure objectives across multiple counties;
- Incorporate high level suggestions provided;
- Utilize concentration data provided by FirstNet but updated as necessary from local input;
- Also incorporate incident data where available
- Base targets on proposed milestones from FirstNet.



Coverage Build-Out -- *Suggestions*

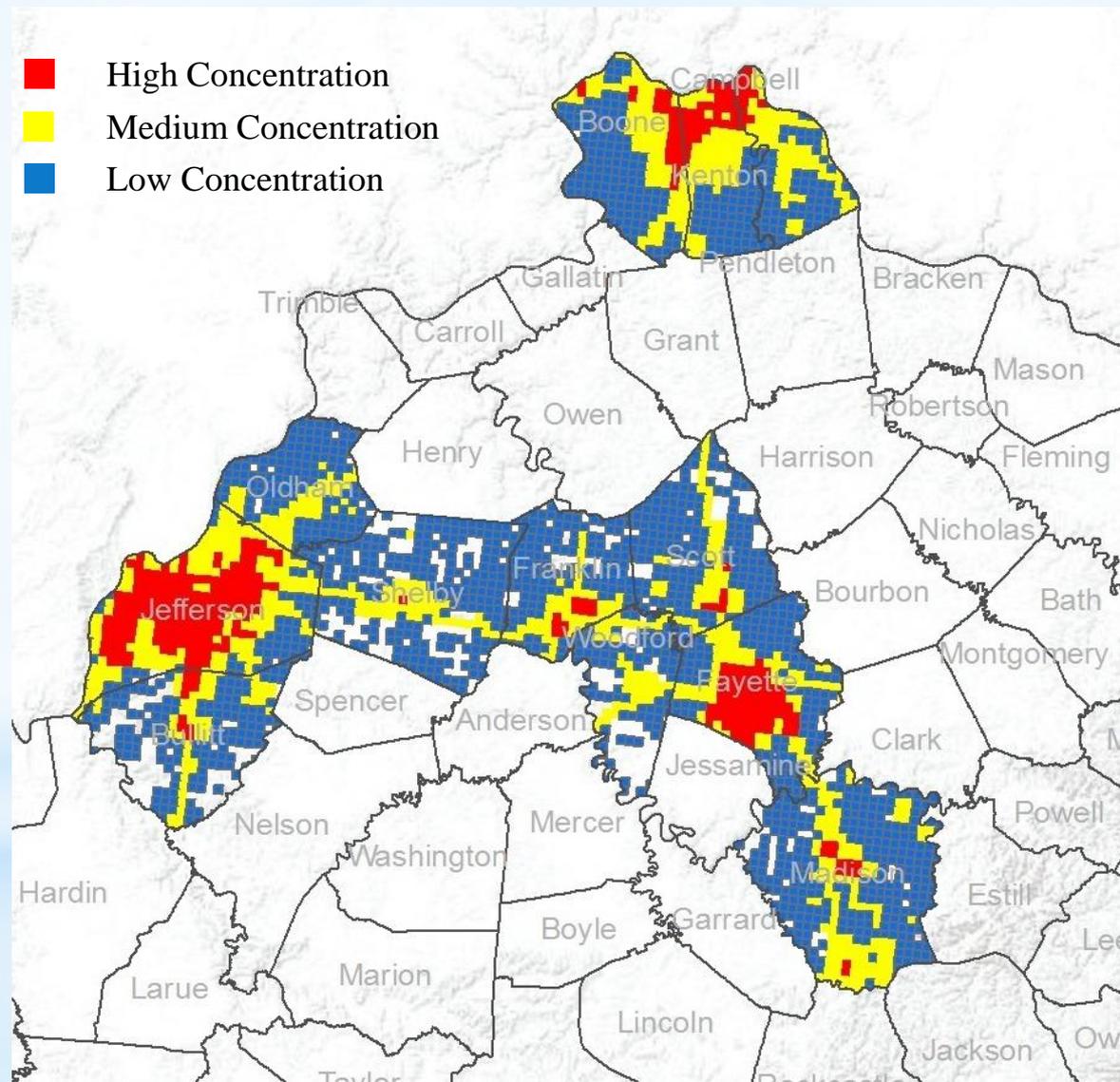
Phase	FirstNet Guidelines (% of Objectives) from Draft RFP	Recommended Criteria
1	20% of total 20% of rural	High Concentration focus in target areas plus some rural coverage (addressed by county)
2	60% of total 40% of rural	Medium Concentration focus and additional rural (addressed by county)
3	85% of total 60% of rural	Interstate and major roads to connect High/Medium areas
4	95% of total 80% of rural	Address largest remaining gap areas
5	100% of total 100% of rural	Complete build-out of coverage objectives

Proposed Phase 1 Build-Out



3	State Coverage Objectives Sq Mi	Phase 1 Coverage Objectives Sq Mi	Phase 1 Percentage of Coverage
Hi	511.16	444.16	86.89%
Med	5194.54	1875.97	36.11%
Lo	21672.26	4746.19	21.90%
Total	27377.96	7066.33	25.81%

Proposed Phase 1 Build-Out: Central

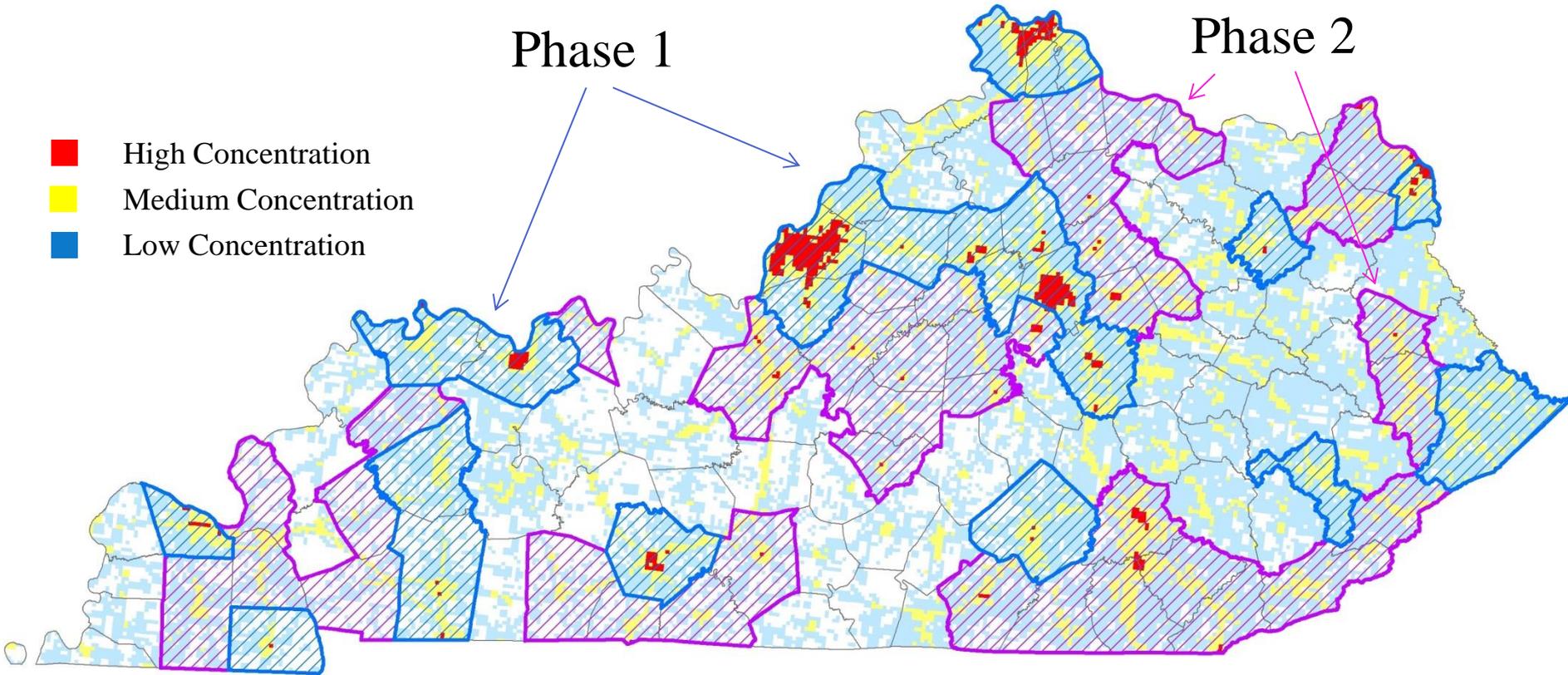


Proposed Phase 1 & 2 Build-Out

Phase 1

Phase 2

- High Concentration
- Medium Concentration
- Low Concentration

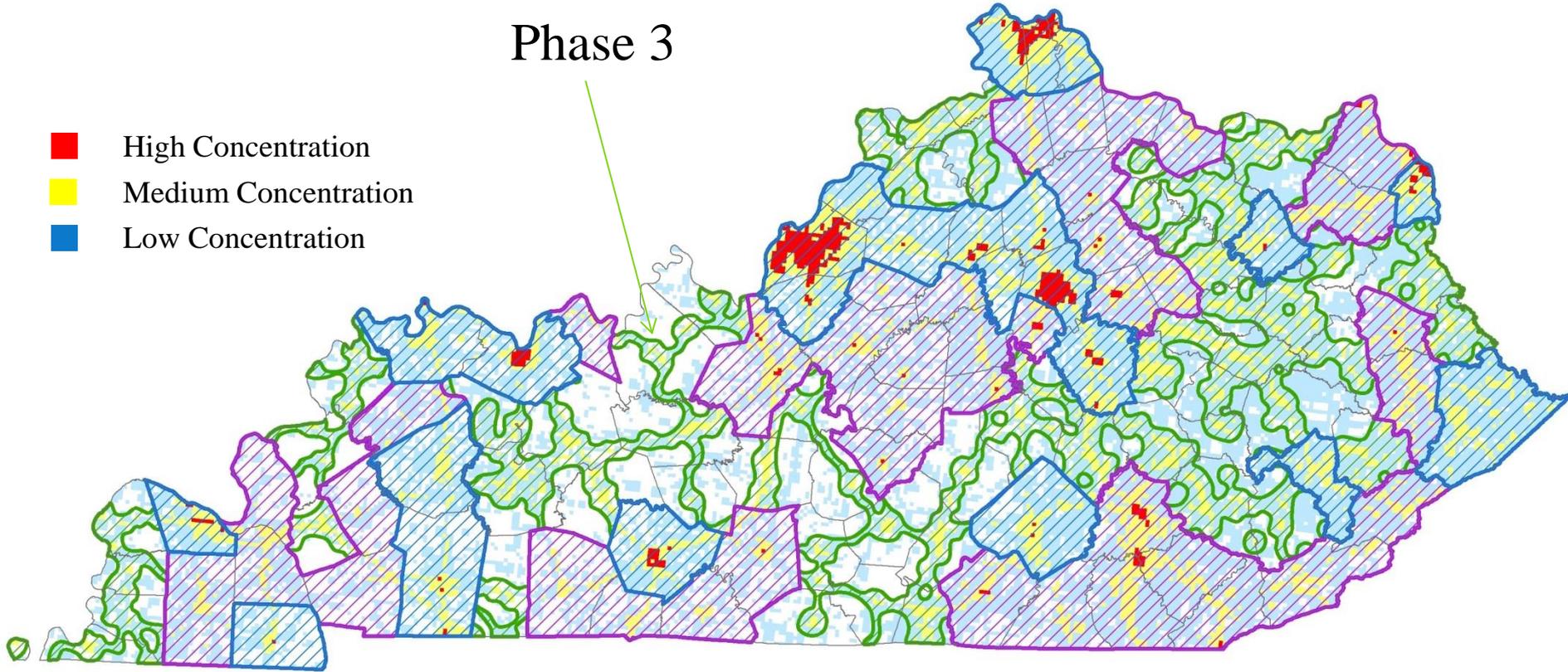


3	State Coverage Objectives Sq Mi	Phase 1 Coverage Objectives Sq Mi	Phase 1 Percentage of Coverage	Phase 2 Coverage Objectives Sq Mi	Phase 1 & 2 Coverage Objectives Sq Mi	Phase 1 & 2 Percentage of Coverage
Hi	511.16	444.16	86.89%	66.62	510.78	99.93%
Med	5194.54	1875.97	36.11%	1866.81	3742.78	72.05%
Lo	21672.26	4746.19	21.90%	7789.59	12535.79	57.84%
Total	27377.96	7066.33	25.81%	9723.02	16789.35	61.32%

Proposed Phase 1, 2 & 3 Build-Out

Phase 3

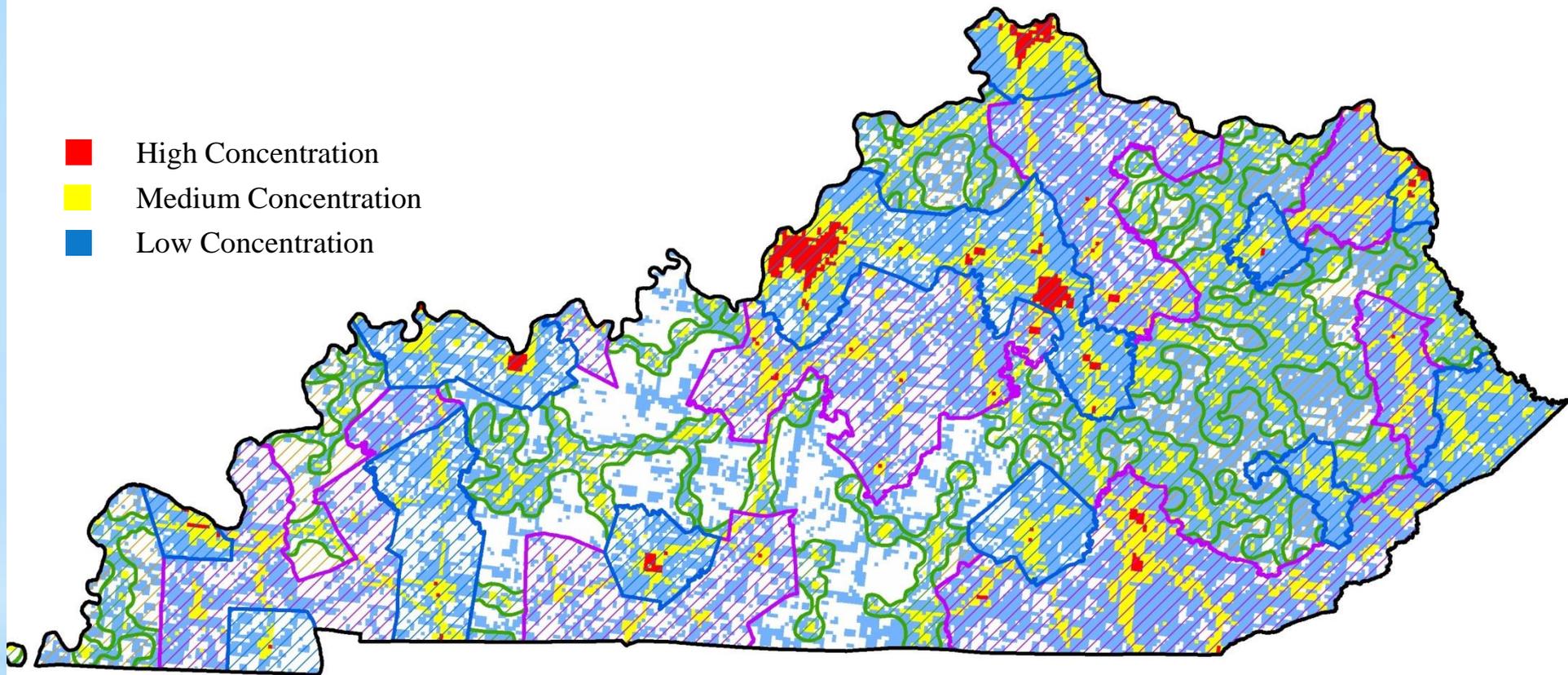
- High Concentration
- Medium Concentration
- Low Concentration



	State Coverage Objectives Sq Mi	Phase 1 Coverage Objectives Sq Mi	Phase 1 Percentage of Coverage	Phase 2 Coverage Objectives Sq Mi	Phase 1 & 2 Coverage Objectives Sq Mi	Phase 1 & 2 Percentage of Coverage	Phase 3 Coverage Objectives Sq Mi	Phase 1, 2 & 3 Coverage Objectives Sq Mi	Phase 1, 2 & 3 Percentage of Coverage
Hi	510.78	444.16	86.96%	66.62	510.78	100.00%	0.00	510.78	100.00%
Med	5191.69	1875.97	36.13%	1866.81	3742.78	72.09%	1448.91	5191.69	100.00%
Lo	21668.15	4746.19	21.90%	7789.59	12535.79	57.85%	5191.75	17727.54	81.81%
Total	27370.62	7066.33	25.82%	9723.02	16789.35	61.34%	6640.67	23430.01	85.60%

Proposed Phase 1-4 Build-Out

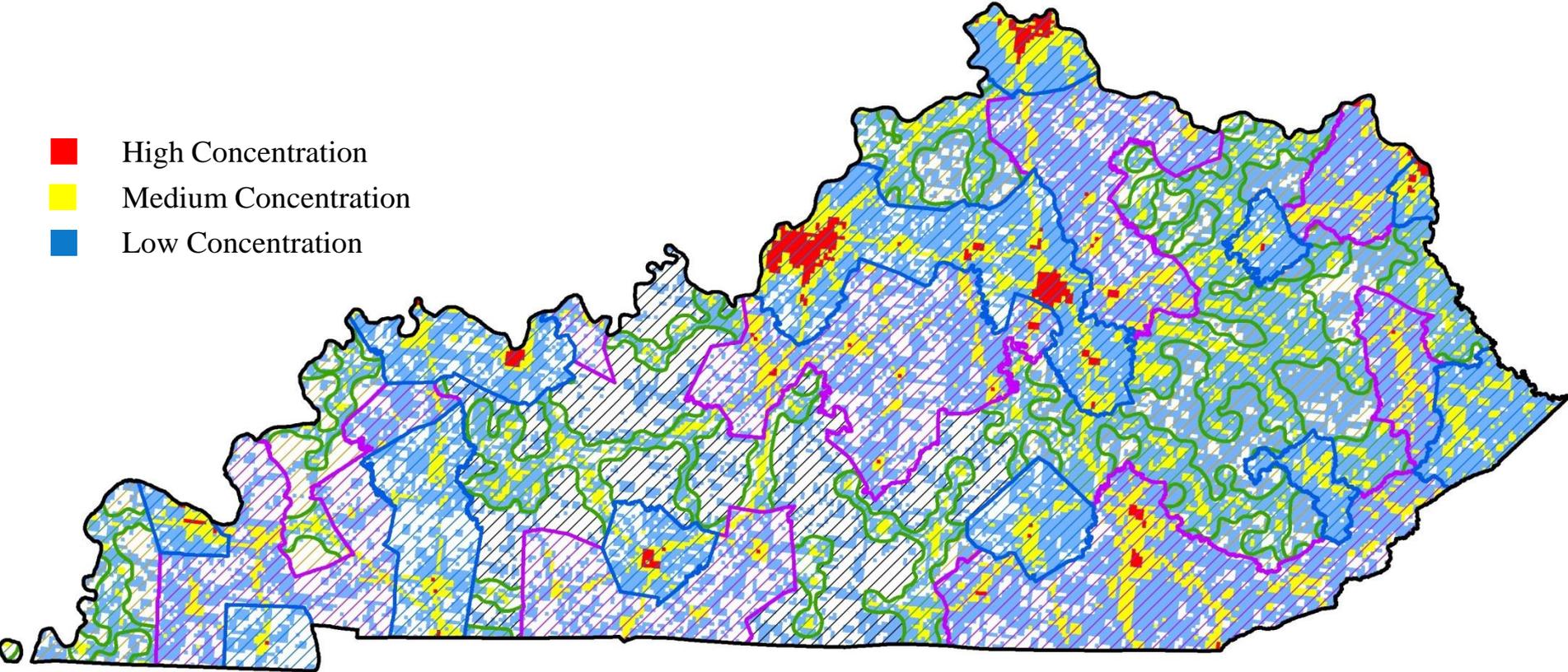
- High Concentration
- Medium Concentration
- Low Concentration



	State Coverage Objectives Sq Mi	Phase 1 Coverage Objectives Sq Mi	Phase 1 Percentage of Coverage	Phase 2 Coverage Objectives Sq Mi	Phase 1 & 2 Coverage Objectives Sq Mi	Phase 1 & 2 Percentage of Coverage	Phase 3 Coverage Objectives Sq Mi	Phase 1, 2 & 3 Coverage Objectives Sq Mi	Phase 1, 2 & 3 Percentage of Coverage	Phase 4 Coverage Objectives Sq Mi	Phase 1, 2, 3 & 4 Coverage Objectives Sq Mi	Phase 1, 2, 3 & 4 Percentage of Coverage
Hi	510.78	444.16	86.96%	66.62	510.78	100.00%	0.00	510.78	100.00%	0.00	510.78	100.00%
Med	5191.69	1875.97	36.13%	1866.81	3742.78	72.09%	1448.91	5191.69	100.00%	0.00	5191.69	100.00%
Lo	21668.15	4746.19	21.90%	7789.59	12535.79	57.85%	4981.46	17517.25	80.84%	2632.03	20149.27	92.99%
Total	27370.62	7066.33	25.82%	9723.02	16789.35	61.34%	6430.37	23219.72	84.83%	2632.03	25851.74	94.45%

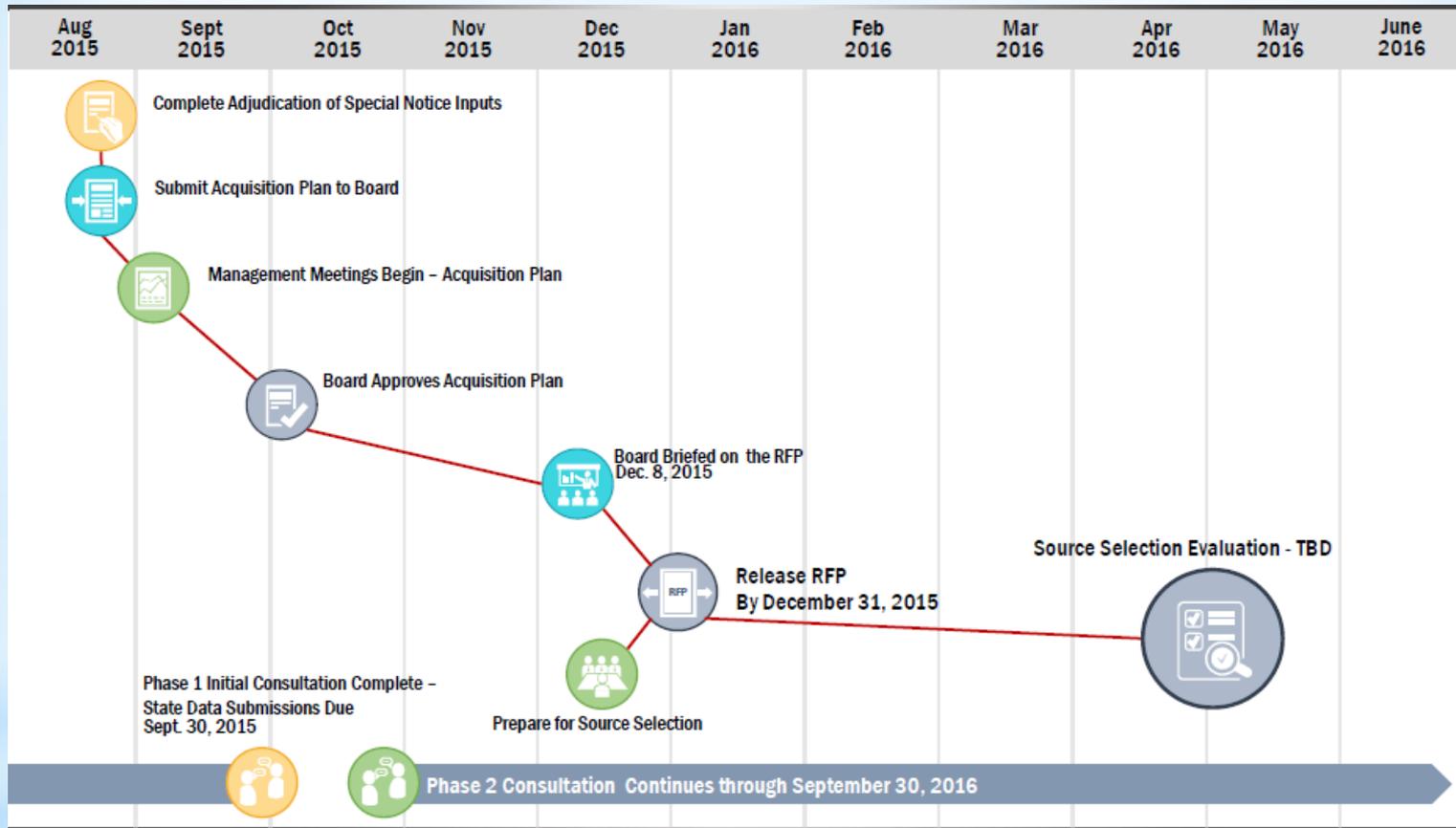
Proposed Phase 1-5 Build-Out

- High Concentration
- Medium Concentration
- Low Concentration



	State Coverage Objectives Sq Mi	Phase 1 Coverage Objectives Sq Mi	Phase 1 Percentage of Coverage	Phase 2 Coverage Objectives Sq Mi	Phase 1 & 2 Coverage Objectives Sq Mi	Phase 1 & 2 Percentage of Coverage	Phase 3 Coverage Objectives Sq Mi	Phase 1, 2 & 3 Coverage Objectives Sq Mi	Phase 1, 2 & 3 Percentage of Coverage	Phase 4 Coverage Objectives Sq Mi	Phase 1, 2, 3 & 4 Coverage Objectives Sq Mi	Phase 1, 2, 3 & 4 Percentage of Coverage	Phase 5 Coverage Objectives Sq Mi	Phase 1, 2, 3, 4 & 5 Coverage Objectives Sq Mi	Phase 1, 2, 3, 4 & 5 Percentage of Coverage
Hi	510.78	444.16	86.96%	66.62	510.78	100.00%	0.00	510.78	100.00%	0.00	510.78	100.00%	0.00	510.78	100.00%
Med	5191.69	1875.97	36.13%	1866.81	3742.78	72.09%	1448.91	5191.69	100.00%	0.00	5191.69	100.00%	0.00	5191.69	100.00%
Lo	21668.15	4746.19	21.90%	7789.59	12535.79	57.85%	4981.46	17517.25	80.84%	2632.03	20149.27	92.99%	1518.81	21668.08	100.00%
Total	27370.62	7066.33	25.82%	9723.02	16789.35	61.34%	6430.37	23219.72	84.83%	2632.03	25851.74	94.45%	1518.81	27370.55	100.00%

FirstNet High Level Timeline



- RFP Release Targeted for End of 2015;
- Most of 2016 will be spent receiving RFP responses;
- FirstNet expects to provide governors with state plans in late 2016 or early 2017;
- Plans to begin making RFP deployment awards in 2017, with operations beginning in 2018;