



Homeland Security  
and Emergency Services

# State Interoperable & Emergency Communication (SIEC) Board Meeting

July 12, 2017

# Welcome and Opening Remarks

**Michael A. Sprague,**  
Director, Office of  
Interoperable &  
Emergency  
Communications,  
Chair, SIEC Board



# Roll Call and Approval of Minutes

Roll Call; Approval of the  
Meeting Agenda;  
Approval of Minutes from  
January 31, 2017  
Meeting



# Standing Committee Reports

Presented by  
**Michael A. Sprague**,  
Director, Office of  
Interoperable &  
Emergency  
Communications,  
Chair, SIEC Board



# 911 Advisory Committee

Presented by  
**Sheriff Joseph Gerace,**  
Chautauqua County



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# NG 9-1-1 Working Group

Presented by  
**Brett Chellis**, Deputy  
Director, Office of  
Interoperable and  
Emergency  
Communications



# NG 9-1-1 Working Group

- Conference calls
  - Reports from agencies
  - Discussion
  - Draft plan work
- OIEC and DPS continue to work on legal and programmatic review and preparing information for chamber



# NASNA Meeting June 2-4

- National Association of State 911 Administrators
- Annual meeting in San Antonio
- Director Sprague and myself are now NYS representatives accepted by Executive Board
- First time since 2009 New York State has been represented



# NASNA Continued

Chance to meet and network with 911 administrators from over 45 states that were represented.



# NASNA Presentations Included:

- FCC on Z axis requirements
- Dept. of Defense on active shooter incidents at military facilities
- State interoperability with NG 9-1-1
- Cyber Security and NG 9-1-1
- First Net and NG 9-1-1
- National 9-1-1 Program
- State Reports



# NENA June 4-8

- Annual Conference San Antonio
- First NENA OIEC representation
- Key note speakers and classes
- Regional Breakfast



# NENA Classes

- Ng 9-1-1 Governance and Funding
- Legislative Changes to support NG 9-1-1
- NG 9-1-1 implementation models
- Four state ESINet interoperability project
- Internet of Things (IoT)
- Cyber Security
- NG 9-1-1 Case studies



# Communications and Interoperability Working Group

Presented by  
**Jay Kopstein and Eric  
Day**, Co-Chairs



# Public Safety Broadband Working Group

Presented by  
**Matthew Delaney**, Radio  
Engineer, Office of  
Interoperable and  
Emergency  
Communications



# Public Safety Broadband WG

- From 2012-2016, FirstNet consulted with the states and other public safety users to develop an objectives based RFP.
- Federal RFP issued in early 2016, reviewed from mid to late 2016.
- After a brief legal challenge, FirstNet awarded a nationwide partnership to AT&T at the end of March.
- Staff from NY attended the FirstNet SPOC Meeting in Dallas.
- FirstNet delivered the Initial State Plan to New York on June 19<sup>th</sup>.

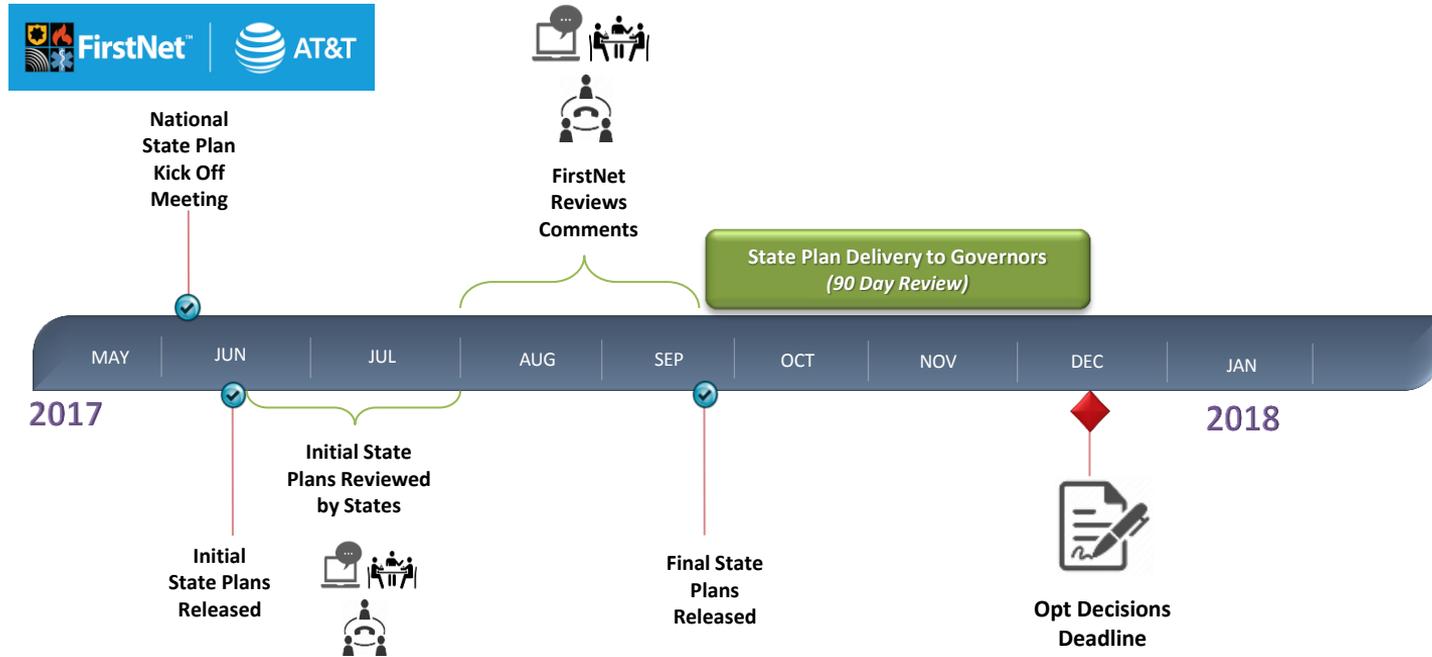


# PSBB State Plan

- The plan describes how FirstNet and AT&T would build the FirstNet network in NY, where coverage will be, monthly subscription costs and other key factors.
- AT&T will offer priority service for users on their existing nationwide LTE network “day 1” (no need to wait for a build of Band 14).
- State Plan Portal content is protected by a Terms of Use. NY has established a Subject Matter Expert (SME) group of approximately 45 individuals to review the plan.



# PSBB Timeline



# Timeline Summary

- Review of the initial plan is in process (through early August)
- Review revised (final) plan (Sept-October)
- Provide report to the Governor (November)
- Governor's "opt" decision (December)



# State Agency Communications Working Group

Presented by  
**Michael A. Sprague**,  
Director, Office of  
Interoperable &  
Emergency  
Communications,  
Chair, SIEC Board



# Channel Naming and Use Working Group

Presented by  
**Toby Dusha/Matthew  
Delaney**, Radio  
Engineers, Office of  
Interoperable and  
Emergency  
Communications



# Citizen Alerting Committee

Presented by  
**Michael A. Sprague**,  
Director, Office of  
Interoperable &  
Emergency  
Communications,  
Chair, SIEC Board



# Citizen Alerting Committee

- Initial Organizational Meeting: January 25<sup>th</sup> 2017
- Discussed Potential Membership – FEMA, Broadcasters, NWS, Cable, State Agencies, County Representation, City Representation, NGOs
- Scheduled first meeting of the full group: March 9<sup>th</sup> 2017
- Potential Agenda Items:
  - New Committee Format
  - IPAWS Update
  - IPAWS Training
  - IPAWS Laboratory / Exercise
- Next Meeting scheduled for July 18, 2017



# PSAP and SICG Grant Updates

Presented by  
**Eric Abramson**,  
Program Representative  
3, DHSES Grants



# SICG and PSAP Spending Overview

**\$340 millions in awards since 2010**

- Round 2 (SFY 2011-12 and 2012-13)-Appropriation \$120 Million
  - Per statutory amendments in 2011
    - ✓ \$102 Million dedicated for further development of statewide interoperable communications for public safety – SICG (Statewide Interoperable Communications Grant) - **\$94.5 million reimbursed**
    - ✓ \$9 Million (PSAP 2012) dedicated for proposals related to Public Safety Answering Points (PSAP) operations – PSAP 2012 Grant - **\$8.956 million reimbursed**
    - ✓ \$9 Million PSAP 2013 Grant - **\$8.438 million reimbursed**



# SICG and PSAP Spending Overview

- Round 3 (SFY 2013-14)-Appropriation \$75 Million
  - ✓ **\$59 million reimbursed**
- 2014-15 PSAP Operations Grant \$10 Million
  - ✓ **CLOSED with \$9.95 million in reimbursements**
- Round 4 (SFY 2014-15)-Appropriation \$50 Million
  - ✓ **\$8.9 million reimbursed**
- 2015-16 PSAP Operations Grant \$10 Million
  - ✓ **CLOSED with \$9.95 million in reimbursements**
- 2016-17 PSAP Operations Grant \$10 Million
  - ✓ **\$3.21 million reimbursed**
- 2016 SICG-Formula Grant \$45 Million
  - ✓ **Contract development process**
    - ✓ **29 Executed**
    - ✓ **14 Pending State Approval**
    - ✓ **15 Pending County Signatures**
    - ✓ **2 Pending County Info for Contract Development**



# SICG and PSAP Grant Periods

Round 1 SICG (2010)	CLOSED
Round 2 SICG (2011-12)	02/04/2013 – 02/03/2018
Round 3 SICG (2013)	12/03/2013 – 12/02/2017
Round 4 SICG (2014)	01/01/2016 – 12/31/2017
2016 SICG Formula	01/01/2017 – 12/31/2018
2012 PSAP Consolidation & Sustainment	05/01/2013 – 04/30/2017
2013 PSAP Consolidation & Sustainment	06/25/2014 – 06/24/2017
2015-16 PSAP Operations Grant	CLOSED 01/01/2016 – 12/31/2016
2016-17 PSAP Operations Grant	01/01/2017 – 12/31/2017

**NO EXTENSIONS**



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# Next Rounds of Grants

- **2017 SICG Formula**
  - Changes to simplify application form and ease of filling the application
  - No changes to components of the formula
- **2016 SICG Targeted**
  - Analyzing and confirming the data from Counties (data collected in 2016 SICG Formula grant applications and current Federal Communications Commissions records)
- **2017-18 PSAP Operations Grant**
  - Added precise definitions of formula components, based on PSAP Grant Working Group input (Working Group consisted of various Counties' members).



# New Business

- Canada-United States (CANUS)

Presented by  
**Michael A. Sprague**,  
Director, Office of Interoperable  
& Emergency Communications,  
Chair, SIEC Board and  
**Christopher Tuttle**,  
Department of Homeland  
Security  
Office of Emergency  
Communications  
Regional Coordinator, Region II  
– NJ, NY, PR, VI





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# **Canada-United States (CANUS) Communications Interoperability Working Group**

June 20-21, 2017

Buffalo

**July 12, 2017**



## Homeland Security and Emergency Services

- New U.S. Co-Chair Dusty Rhoads US DHS OEC
- Cross Border Interoperability
  - New York State
  - Province of Ontario
  - Cross Border Mutual Aid
- US – Canada Migration toward NG 911

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## Homeland Security and Emergency Services

- US (FirstNet) and Canada Public Safety Broadband Network
- Border Region Frequency Coordination
- CANUS LE Communication Interoperability
- Tribal Nation Communications Interoperability Case Study
- May Increase to 4 Meetings Per Year

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# NEW YORK STATE BORDER COMMUNICATIONS

Kevin Wisely, Deputy Commissioner Emergency Services

Michael Sprague, OIEC Director/SWIC

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# U.S. – Canada Border Spectrum Issues for New York State and Counties

- Canada and the U.S. share a boundary line that is 445 miles long in length. It is challenging for our public officials to deal with an array of public safety and homeland security issues.
- **Counties impacted:** 30 of 57 NYS counties are impacted by “Line-A” (approximately 100km) from Canadian border.
- Regulations hinders the ability to design and cost effectively deploy new state of the art radio communication systems.



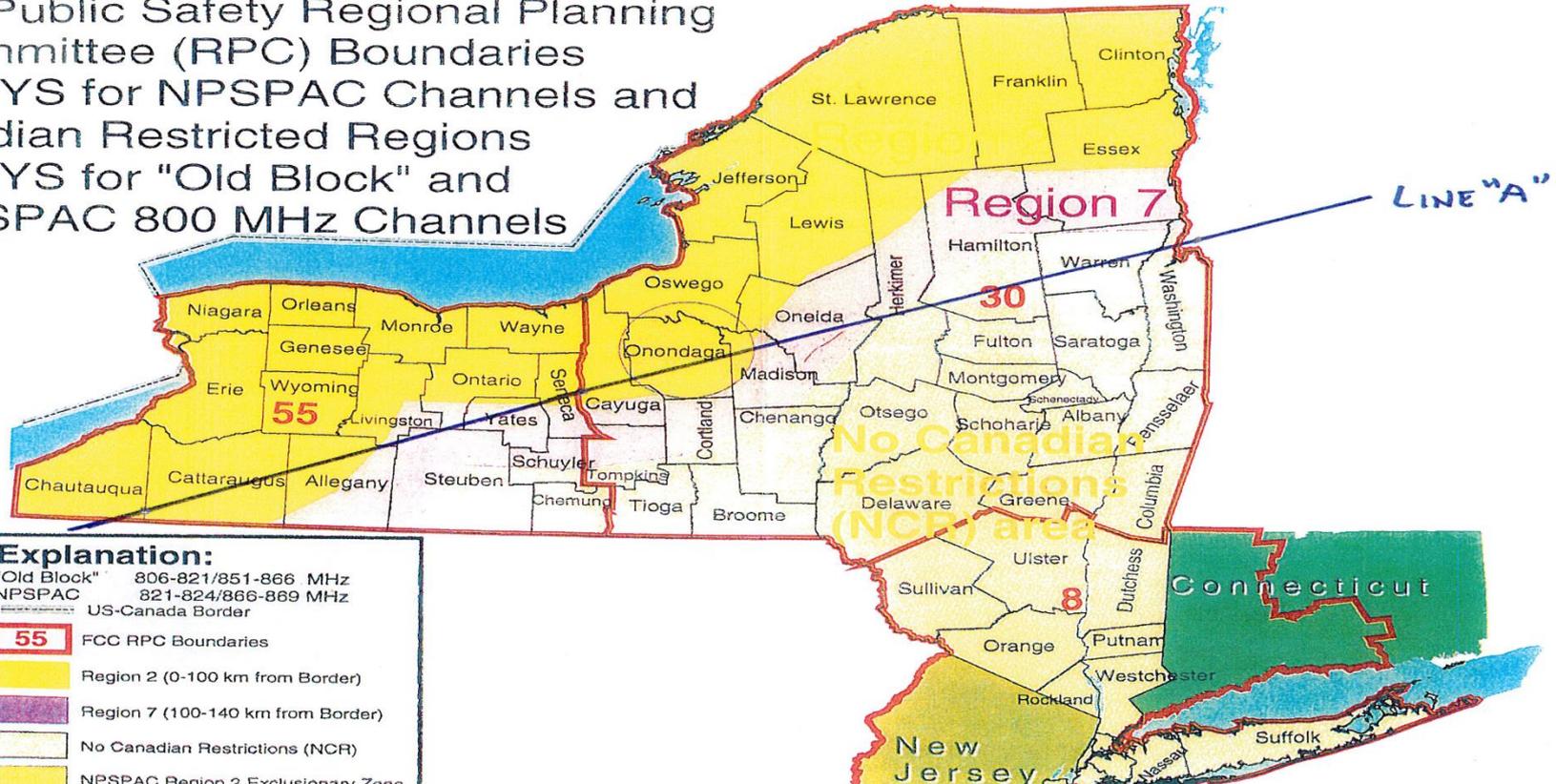
# NYS Interoperability

- Much work to be done to achieve “true” NYS Public Safety Interoperability
- We experience events time and time again that highlight the need for public safety interoperable radio communications capabilities:
  - 9/11, Sandy, Lee, Irene, Stella, etc.
- We have been talking about this for years, the time for action is now
- Cooperation and Partnerships can be achieved
  - NEMAC, Fire Mutual Aid, etc.
- Coordination between respective regulatory agencies in each Country is paramount



# NYS & Line "A"

FCC Public Safety Regional Planning Committee (RPC) Boundaries in NYS for NPSPAC Channels and Canadian Restricted Regions in NYS for "Old Block" and NPSPAC 800 MHz Channels



**Explanation:**

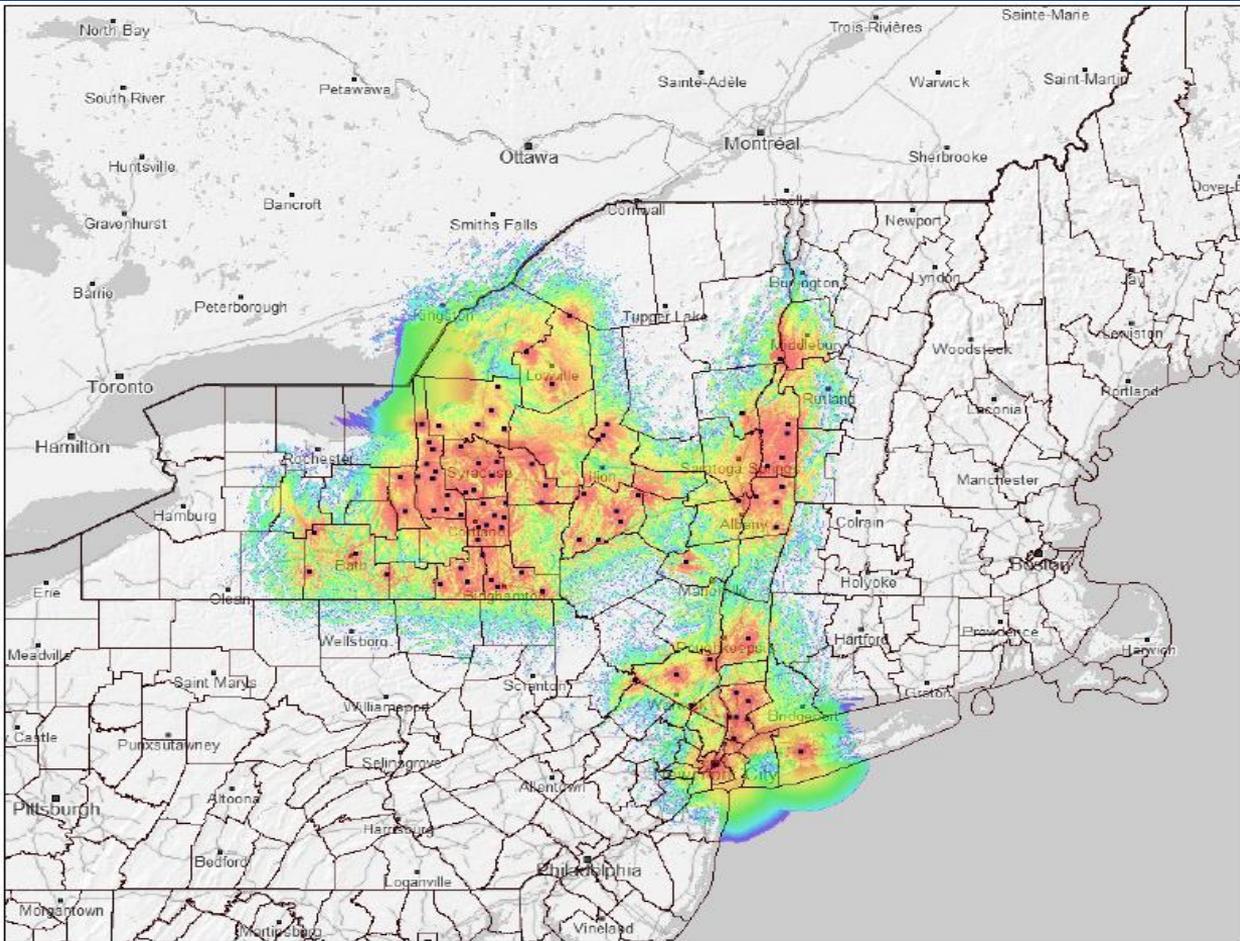
- "Old Block" 806-821/851-866 MHz
- NPSPAC 821-824/866-869 MHz
- US-Canada Border
- 55** FCC RPC Boundaries
- Region 2 (0-100 km from Border)
- Region 7 (100-140 km from Border)
- No Canadian Restrictions (NCR)
- NPSPAC Region 2 Exclusionary Zone

# New York State National Interoperability Channels

- New York State developed a communications focused grant program to address the communication needs of public safety
- Geared toward aggressive development of National Interoperability Channels across New York, in all bands
- Over \$300 million has been awarded to counties since 2010 towards the development of National Interoperability Channels
- Program has been successful throughout NYS with the exception of the counties above the Line “A”
- \$25 million is ready to be “Targeted” to areas without Interoperability Channels

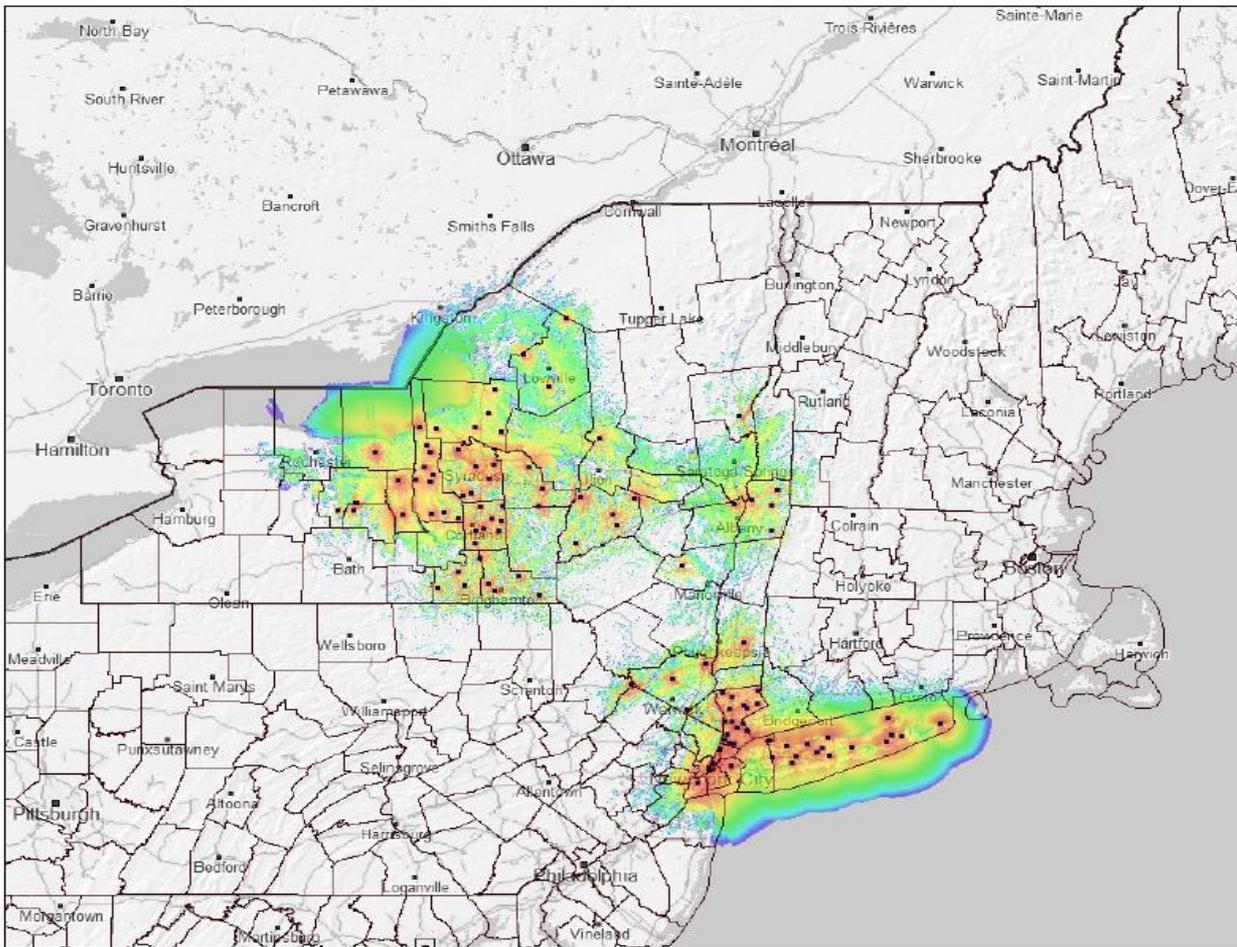


# VCALL 10



-92 to -40 dbm

# UCALL 40



# New York State Border Communications

- Work with our federal partners at DHS OEC (Office of Emergency Communications), FCC Public Safety & Homeland Security Bureau, and the Governor's Washington DC office, as the conduit of information to and from our State and local stakeholders.
- Support & foster actions and dialog to yield a spirit of cooperation between Canadian and U.S. operating and regulatory agencies.
- Develop a framework to identify and resolve the technical and engineering problems across the border.
- **Promote standardization and alignment of U.S. National Interoperability Channels, in all bands, with Canada in support of public safety emergency communications.**

# Summary, Closing Remarks and Adjournment

Presented by  
**Michael A. Sprague**,  
Director, Office of  
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Chair, SIEC Board

