

How the NYC Data Analytics Team Responded to and Learned from a Catastrophe...

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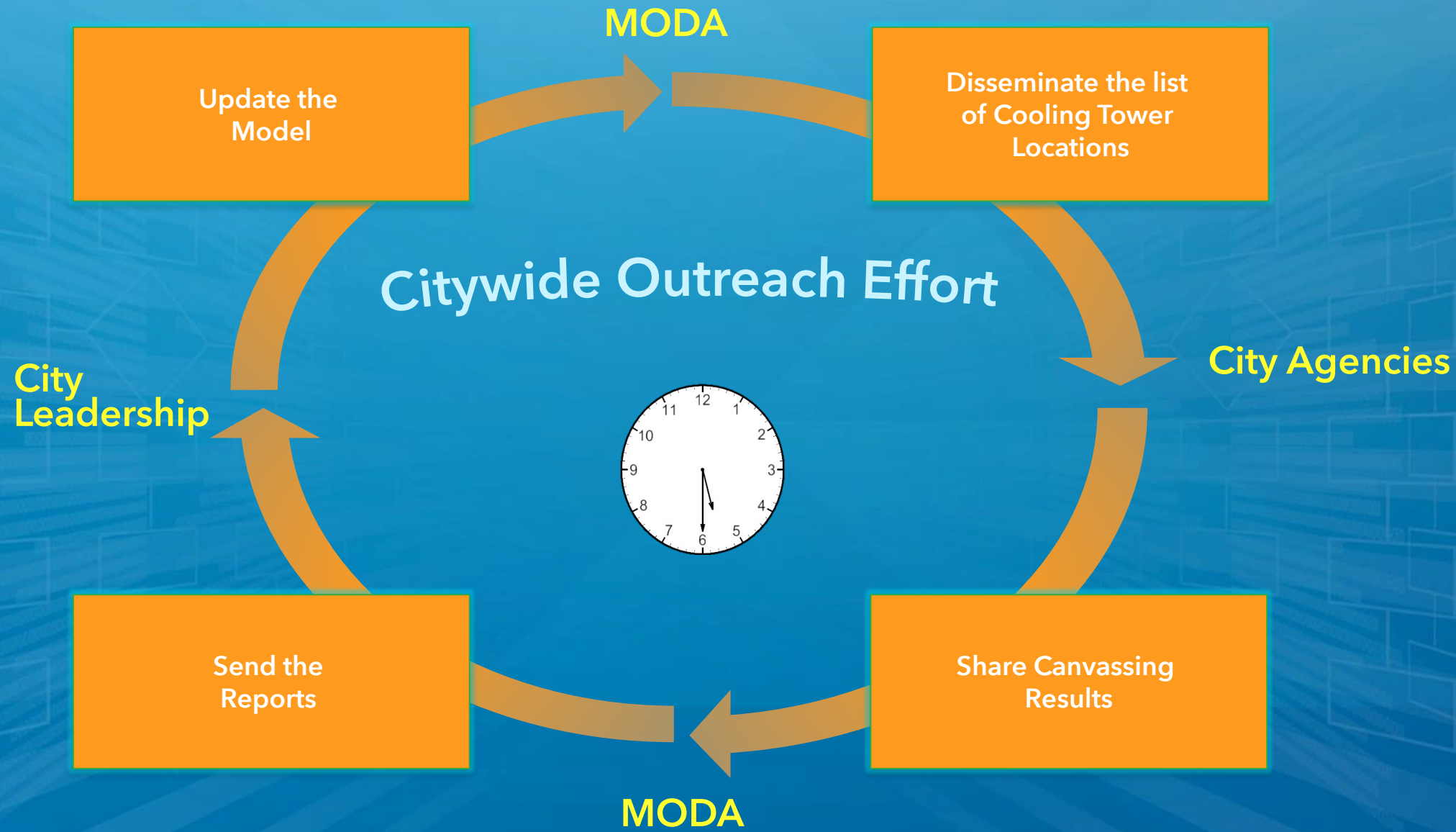
The Washington Post

To Your Health

Seven dead, 86 infected as New York officials identify and disinfect cooling towers filled with Legionnaires bacteria

By Ariana Eunjung Cha August 4, 2015





- Over A million buildings in your City.
- Limited human and financial resources for inspection and canvassing.
- Accuracy and expediency are crucial
- Do not want another person in your city to get sick from Legionella.

What Would You Do?

Without Data and Analytics - There was a 1 in 10 chance of us identifying a building that had a cooling tower.

With Data and Analytics - There was 8 in 10 chances that we would identify a building that had a cooling tower.



Tactical Analytics Response Checklist

- Translate a city question into a clearly Defined analytics problem
- Access to City data, and ascertain it's provenance and quality.
- Use Data and Analytics as a mechanism to create more informed decision makers in your organization.
- Constant and consistent "ground-truthing" built into your analytics effort.
- Communicate, Communicate, Communicate.
- Embed the team of data scientists with the teams of Domain experts.

Citywide Intelligence Hub



NYC Emergency Data Drill

Schedule

- 11 trainings over 3 weeks prior
- Training attendees : 70
- POC users: 121
- Agencies: 22

Tuesday, February 7th - Part 1

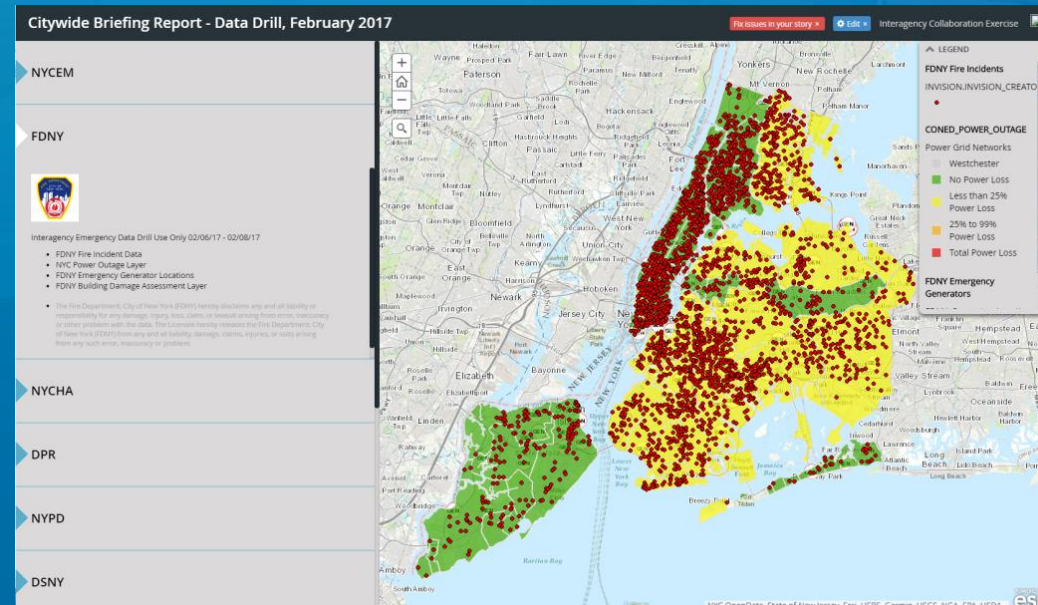
- 43 participants on Initial Interagency Call
- Review agency datasets
- Develop Critical Operational Tool
- Collaboration Exercise - Citywide Briefing Report

Wednesday, February 8th - Part 2

- ~ 100 items uploaded/created by Feb. 8th
- NYCEM convening and call
- Review Critical Operational Tool prototype
- Review Collaboration Exercise Citywide Briefing Report

Agency division participation:

- IT and Telecommunications
- Policy and Planning
- Performance Tracking and Analytics
- Enforcement and Neighborhood Services
- Technology and Strategic Development
- Data Integration Team
- Property Division
- Management Analysis and Planning
- GIS Unit/Specialists/Developers
- Operations Research/Management
- Forestry, Horticulture, and Natural Resources
- Environmental Health/Epidemiology
- Business Solutions



Thank You