

OPERATION POWER PLAY 2019

ILLINOIS STATEWIDE EXERCISE

IPWMAN Conference – Oct 15, 2019





An Exelon Company

Operation Power Play 2019: Statewide Exercise

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How did it start?

Joint Venture 2013 was a pioneering effort led by ComEd that sought to test disaster response capabilities following the challenging 2011 storm season and lessons learned from our 2012 response to Super Storm Sandy

How much has it grown?

Interest has grown over the years by almost 300%.

Year	Host Location	Sponsor Agencies	Represented Organizations
2013	Joliet Junior College	5	30
2015	Cook County	5	35
2017	University of Illinois – Chicago	7	55
2019	Illinois Institute of Technology (IIT)	8	85

 An Exelon Company Commonwealth Edison An Exelon Company	 Ameren Illinois
 Dupage County Department of Homeland Security and Emergency Management	 MidAmerican Energy Illinois & Iowa**
 Illinois Emergency Management Agency Illinois Emergency Management Agency	 Office of Emergency Management Chicago
 ILLINOIS INSTITUTE OF TECHNOLOGY Illinois Institute of Technology**	 Argonne NATIONAL LABORATORY Argonne National Laboratory**

** New Sponsor Agency for Operation Power Play 2019

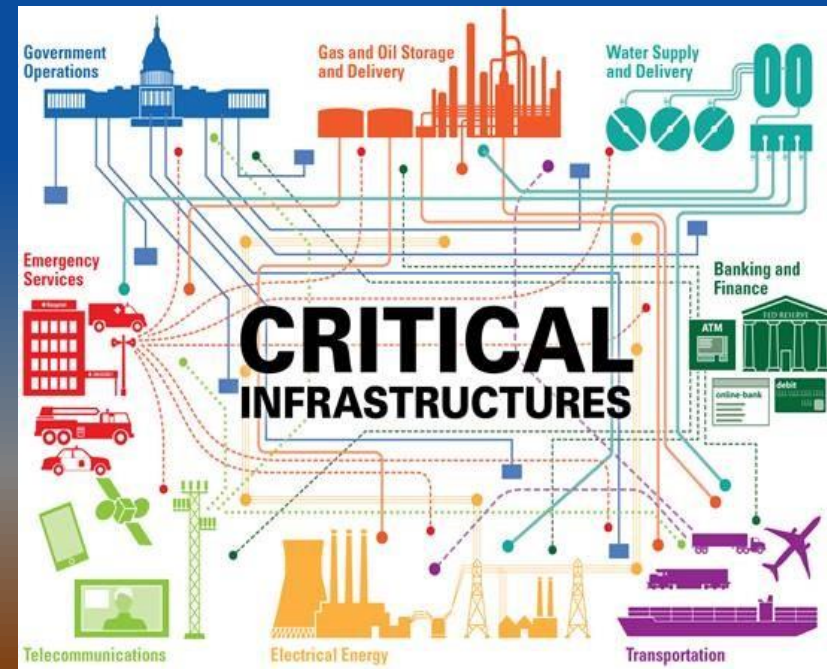
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What are the benefits to local EMAs?

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- Observations and take backs when creating your own exercises
- Building partnerships
- Flexibility – test what you want, how you want
- HSEEP Compliant
- Exposure to available resources throughout the state
- Voluntary participation



2019 exercise scenario

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Tornados
(4)

- Ameren
- American Water
- ComEd
- IIT
- National Weather Service
- Rush University
- Verizon Wireless



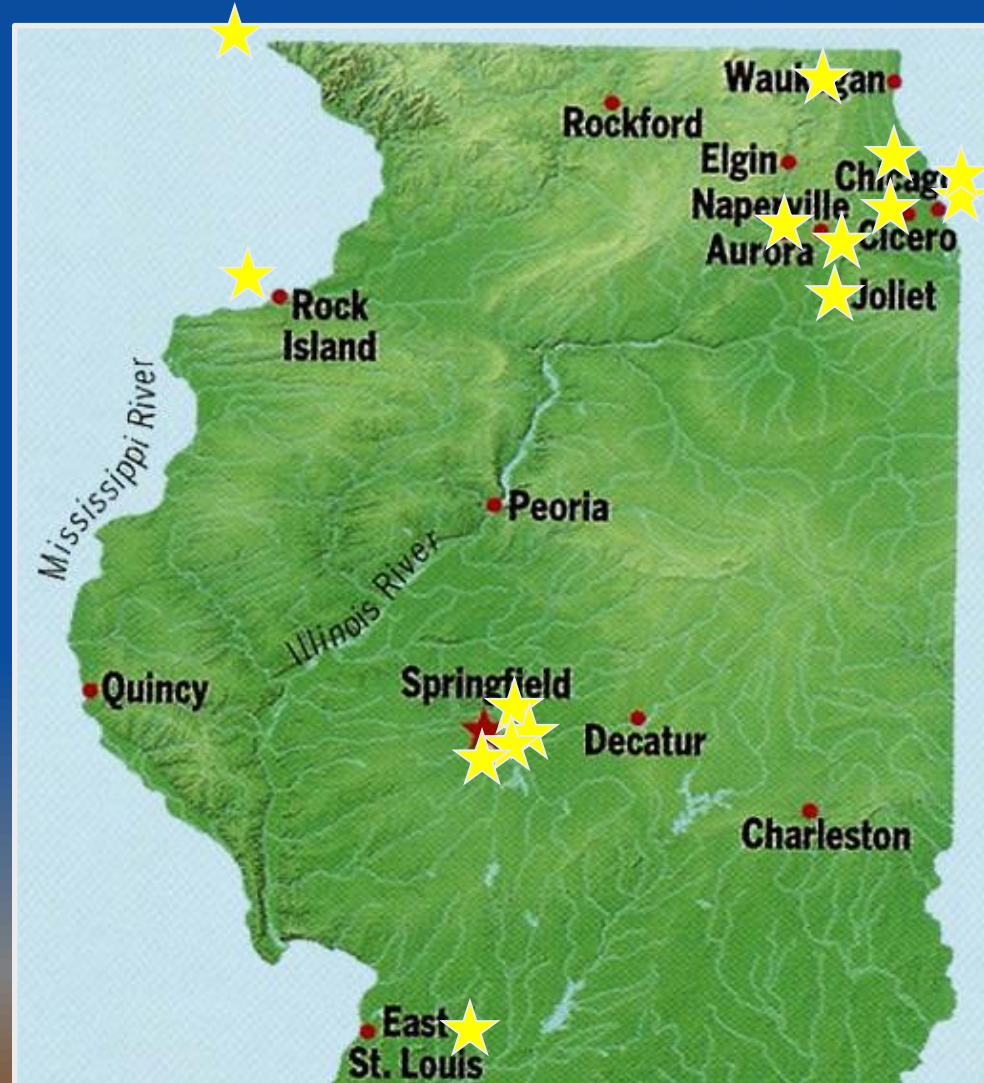
Cyber (5)

- Aqua Illinois
- ComEd
- MidAmerican Energy
- City of Rochelle PD
- Rush University



Emergency
Operation
Centers
(15)

- Air National Guard
- American Water
- Comcast
- ComEd
- Cook County
- CyrusOne
- Dupage County
- IEMA (2)
- Lake County
- MidAmerican
- MWRD
- OEMC
- Verizon
- Walmart



MidAmerican Energy's experience

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- Key takeaways:
 - The exercise was eye opening
 - It required an in depth look at our approach to our response plans
 - It showed us the opportunities surrounding Mutual Assistance
 - It better prepared us for the 2019 storm season
 - Specific examples/relationships
 - Overall Mutual Assistance relationships with Ameren and ComEd
 - River level projections during real world flooding in 2019 with the National Weather Service
 - Mutual Assistance to ComEd during the Polar Vortex in November 2018



Left:
MidAmerican Energy's Incident Command Center during an activation



Right:
MidAmerican Energy crews supporting ComEd in response to the Polar Vortex in 2018

Ameren's experience

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- Key takeaways:
 - It required an in depth look at our approach to our response plans
 - It better prepared us for the 2019 storm season
- Specific examples/relationships
 - Benchmarking emergency response plans and use of ICS with MidAmerican Energy, a similarly structured dual gas utility
 - Damage assessment opportunities via the Civil Air Patrol
 - Levy information for the 2019 flooding from the Army Corps of Engineers
 - Seasonal and comparative forecasting by the National Weather Service



Top:
Ameren supply trailer

Left:
Ameren flooded substation during 2019 severe flooding/storms

Right:
Ameren crews responding to multiple broken poles following severe weather



ComEd's experience

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- Key takeaways:
 - Addressing opportunities within our Cyber response process and how it ties to our ICS structure
 - Our JOC Municipal Portal requires additional testing
 - Feasibility of using our new Emergent Resource Management System (ERMS) to bring Mutual Assistance (MA) crews onto property
- Specific examples/relationships
 - Discussions around use of covered, heated vehicle parking options with IDOT and the IL National Guard
 - Improved MA communication with Ameren and MidAmerican Energy
 - Work on the Regional Resiliency Assessment Program with Cybersecurity and Infrastructure Security Agency (CISA) (DHS/FEMA)

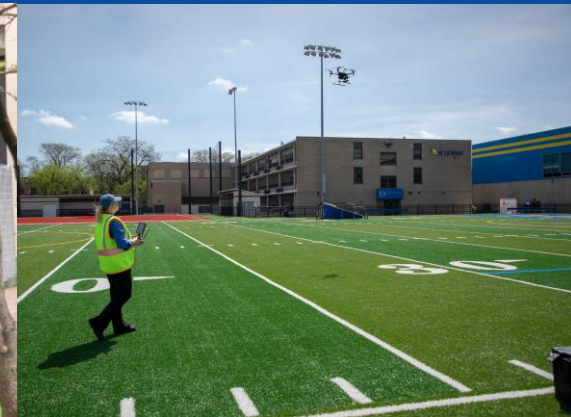


Key activities at the host location

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IIT Campus – Chicago, IL

- Opening/Closing remarks with VIP speakers
- Indoor tour displays
- Outdoor static displays
- Drone demonstrations
- CPD SWAT exercise
- Exercise SIMCELL
- Mock Press Conference
- IIT internal TTX
- Exelon (ComEd, BGE, PECO, PHI) Area Restoration Drill (Feeder SPOC)
- Exelon (ComEd, BGE, PECO, PHI) Emergent Resource Management System Drill
- Nicor internal TTX
- National Weather Service TTX
- Vitalant Blood Drive



Top Left: CPD SWAT conducting raid

Top Right: Perfection Property Restoration drone operations at IIT

Right: Vitalant's Mobile Blood Bank on site to support

Key activities throughout the state

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Wilbur Wright College – Chicago

- Drone activity
- Wilbur Wright Internal TTX
- Exelon (ComEd, BGE, PECO, PHI) Area Restoration Drill (Feeder SPOC)
- Salvation Army sustenance support
- CPD presence

Southern Illinois

- 1 EOC opened – American Water
- Civil Air Patrol fixed wing flight
- Ameren Internal TTX

Western Illinois

- 1 Incident Command Center opened – MidAmerican Energy

Northern Illinois (Chicago)

- 8 EOCs opened – ComEd, Cook County, CyrusOne, Dupage County, Lake County, MWRD, OEMC
- Civil Air Patrol fixed wing flight
- 5 (Real) Drones in the air – Ameren, ComEd, MWRD, Perfection Property Restoration

Central Illinois

- 6 EOCs opened – Verizon, Comcast, SEOC, BEOC, STIC, Air National Guard

Out of State – MN

- 1 EOC opened – Walmart



First ever for this exercise

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- Cyber attack scenario – 5 organizations participated
- Testing/developing a singular statewide command structure and data sharing capabilities for aviation operations
- Over 25 real and virtual drone, fixed wing, and rotary wing flights
- Mock joint press conference
- Use of Virtual SIMCELL developed by Argonne National Laboratory
- On site blood drive with local blood bank, Vitalant
- Exceeded 300 injects issued by the SIMCELL; does not include internal injects



Federal involvement in Operation Power Play:

- Helped close operational and response gaps experienced by many agencies during an emergency
- Provided invaluable expertise, aiding in streamlining response processes across sectors
- Showcased the cross-sector/agency interest in supporting the residents of the State of Illinois and unified efforts to provide them support when a disaster strikes



Adrienne Lotto,
U.S. Dept of Energy
Principal Deputy
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Chief of Operational
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Dept of Homeland Security
Protective Security Advisor, Region V

Suggested as a national best practice

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Will encourage:

- Identification of State preparedness challenges related to cooperative response
- Manpower and resource sharing between Regions, States
- Open discussions surrounding:
 - Data sharing during emergency response
 - Joint aerial operations and damage assessment restrictions
 - Travel waiver processes and provision
 - Connected infrastructure across Regions, States vulnerable to Cyber attack
- Benchmarking between Regions, States about organizational best practices



Left:
Operation
Power Play
static display

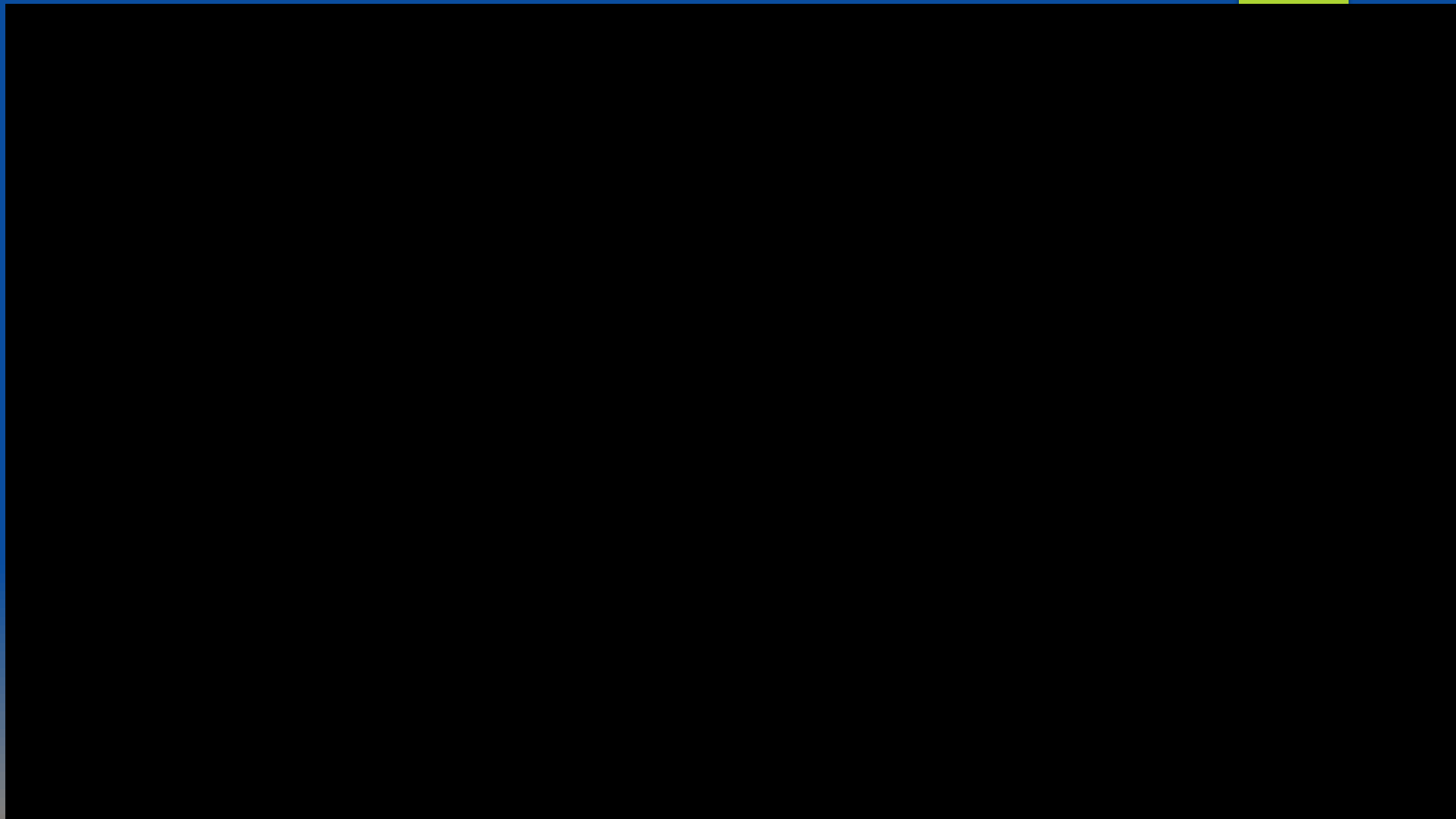


Right:
VIP tour
during
Operation
Power Play

Thank you for the opportunity to speak today.

If you have any additional questions, please contact us at:

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2019 Exercise Design Team

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Front: Jerry Peek (MidAmerican Energy), Julia Arnopp Burns (IIT), Mike Grazioli (ComEd), Paul McDermott (ComEd), Brian Cramer (ComEd)
Second row: Shannon Brusseau (ComEd), Cindy Chaffee (IIT), Corey Mulryan (Dupage OHS&EM)
Third row: Tony O'Neal (Ameren Illinois), Dave Bunge (ComEd), Jake DiGregorio (IIT)
Fourth row: Maggie Palka (ComEd), Megan Drohan (CISA, DHS), Deb Sassen (IDOT), Liz Findley (IEMA)
Back row: Griffin Byers (OEMC), John Schoen (ComEd), Roman Urbaniak (ComEd), John Dactelides (Argonne National Lab)
Not pictured: Curt Sullivan (MidAmerican Energy), Doug Downey (IEMA), Brett Hansard (ANL), Don Hanscom (ANL), Tim McThenia (ComEd), Dr. Nate Evans (ANL), Dennis Fendrich (Village of Lombard)