



City of Reno Resilience Planning & Funding Opportunities

July 22, 2021



Sustainability & Resiliency, City of Reno

The goal of the Sustainability Program is to establish well-focused initiatives that promise to strengthen Reno's reputation as one of the world's leading cities while also improving the day-to-day quality of life for all of the City's residents.

Sustainability Plan, 2019

LEED for Cities

ReEnergize Reno

Sustainable Building Coalition

Solar Energy Innovation Network, Phase 2





Solar Energy Innovation Network, Phase 2

What Happened First?

Dilemma

- How Does Resiliency “Pay For Itself”?
- Upfront Cost of Resilient Infrastructure
- Unpredictable Events That Could Affect Critical Facilities
- Expand S+S and/or Microgrid Solutions at the Local Government Level

Concept

Quantifying the Value of Solar + Storage and bridging the gap between the value and implementation of a project, with a focus on Energy Performance Contracting.



Bridging The Gap

Value of Resilience =



Emergency Management Funds

Value of Resilience =



Utility Benefit

Value of Resilience =

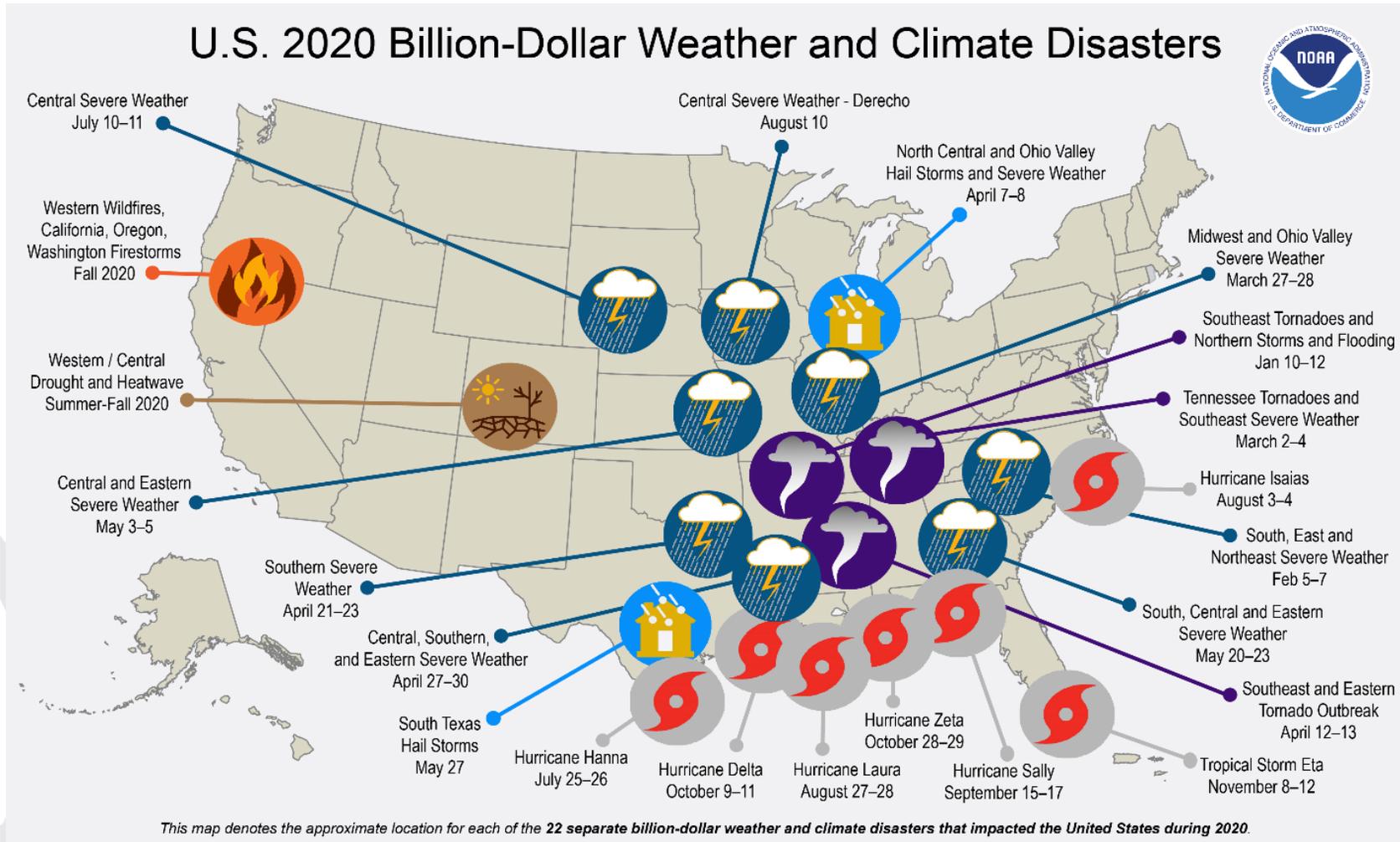


General Use Case

Solar Energy Innovation Network, Phase 2



Making The Case



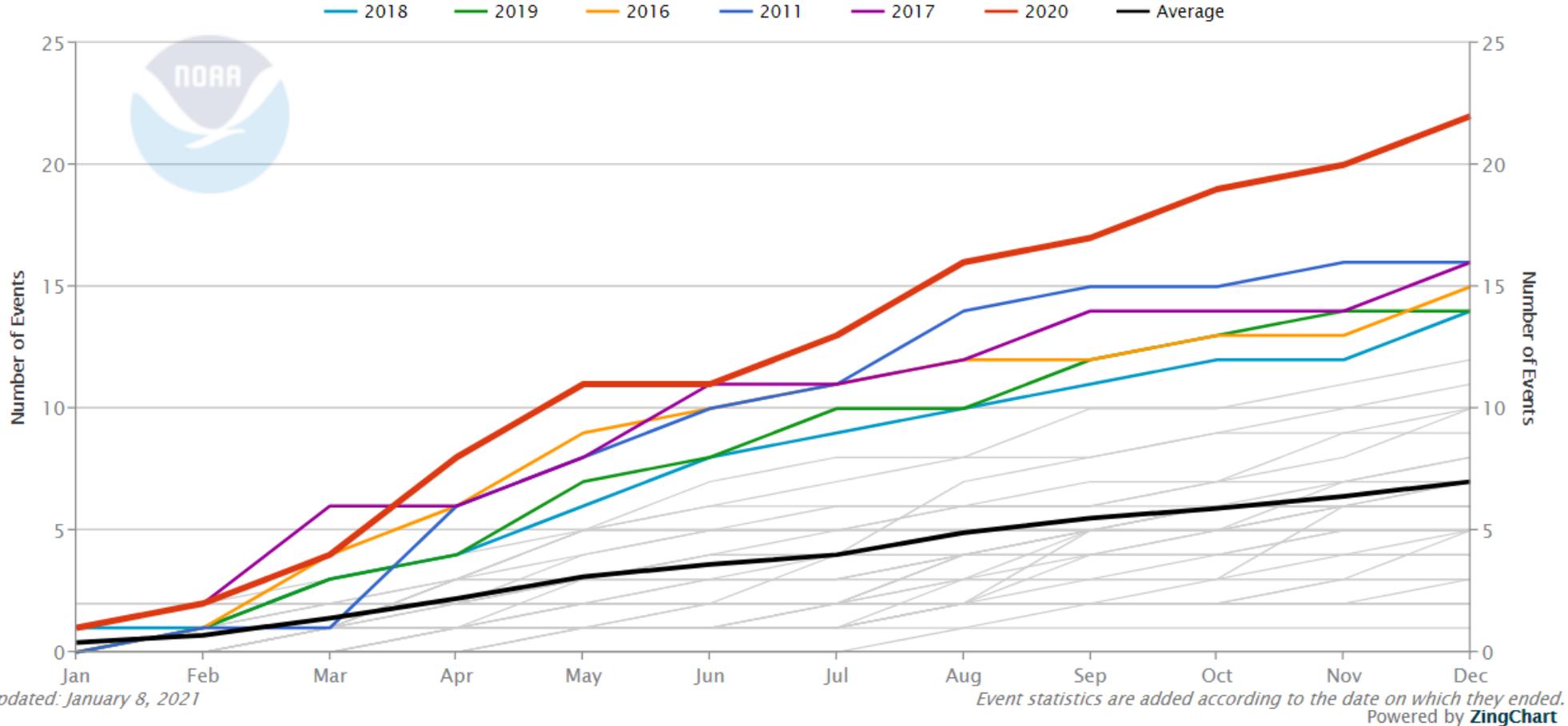
<https://www.ncdc.noaa.gov/billions/>





Making The Case (cont.)

1980–2020 Year-to-Date United States Billion-Dollar Disaster Event Count (CPI-Adjusted)



<https://www.ncdc.noaa.gov/billions/>

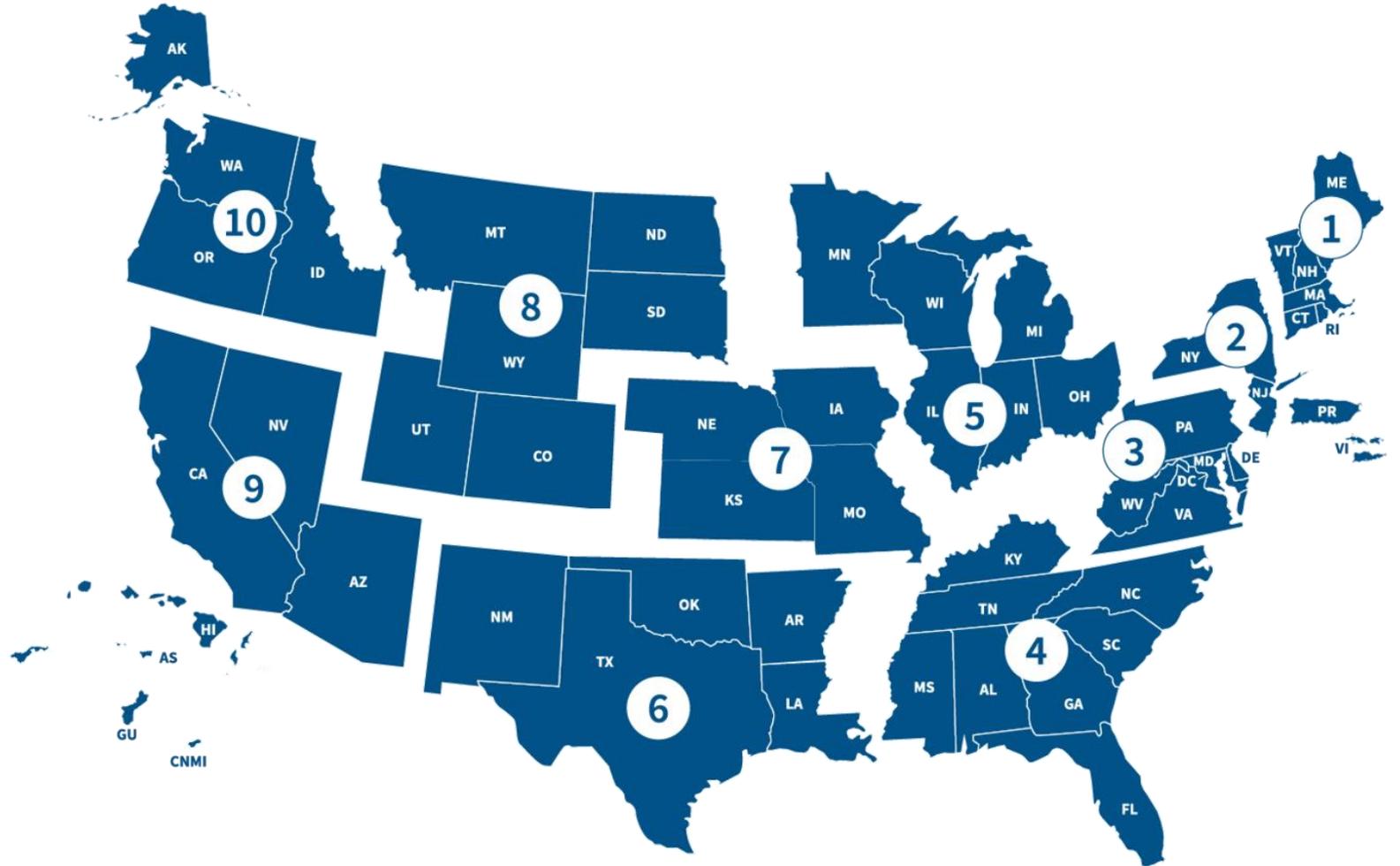




FEMA BRIC Opportunity

Aligned Project Replicability With FEMA Regions

- Broadens funding opportunities
- Allows for regional collaboration
- Creates consistency in methodology





Accessing Federal Funds

- **Continuous partnerships:** *state, universities, non-profits*
- **Hire a Consultant:** *For high \$ projects, it's worth the investment*
- **Talk a lot:** *share what you have going on or where you would like to go with internal and external potential partners*
- **History of success:** *small projects are an “investment” in larger opportunities*
- **Plan:** *but be able to act fast when the opportunity arises*
- **Recycle:** *previous grant applications and refine or improve a previous concept*
- **Pilfer help, ask for volunteers, seek interns:** *do you have the bandwidth, or will you need help in order to be successful?*
- **Be willing to barter:** *your time, that is. We are all busy, but helping others helps you*
- **Keep your ideas growing:** *your time will come*



State & City Partnership Opportunities

- Talk to your cities - they are on the front lines
- How can you help each other?
- Create cohesiveness between city & state efforts





State of Nevada & City of Reno Partnerships

State Climate Strategy, Greenhouse Gas Emissions Working Group



Real Time Operational Emissions Tracking



Solar Energy Innovation Network, Phase 2

FEMA BRIC Grant





Resiliency Grants History (past 4 years)

City Energy Project: One of 20 cities nationwide. Launch C-PACE, Adopt recent energy codes, pass policy, retrofit buildings.

Retro-commissioning Grant: Retro-commissioning of larger fire stations, community centers, and pools.

NREL Solar Energy Innovation Network: Applying the value of resilience of S + S to project implementation.

FEMA BRIC – *Further Review; State Allocation:* Microgrid planning grant in facilities with solar and/or critical facilities.



Contact Info

City of Reno

Suzanne Groneman

Sustainability Program Manager

(775) 334-2067

gronemans@reno.gov



@RenoResilience

<https://aroundthearch.com/blog/category/renogreen/>

