

Resilience & Infrastructure Improvements

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Alaska Research Day &
Cybersecurity Summit
October 31, 2018



ALASKA ENERGY AUTHORITY



REDUCING THE COST OF ENERGY IN ALASKA



AEA's mission is to reduce the cost of energy in Alaska



ALASKA:

740,000 People

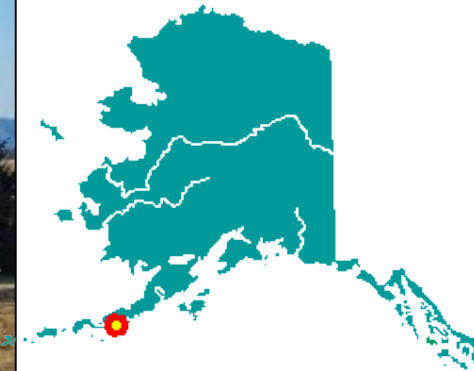
660,000 Sq. Miles

200 + Remote
Microgrids



AEA takes a community-centered approach with:

- Technical assistance
- Energy planning
- Resource assessment
- Project identification
- Funding
- Training
- O&M



Perryville, AK



Rural Power Infrastructure Investment

Rural Power System Upgrade Eligible Communities

Historically

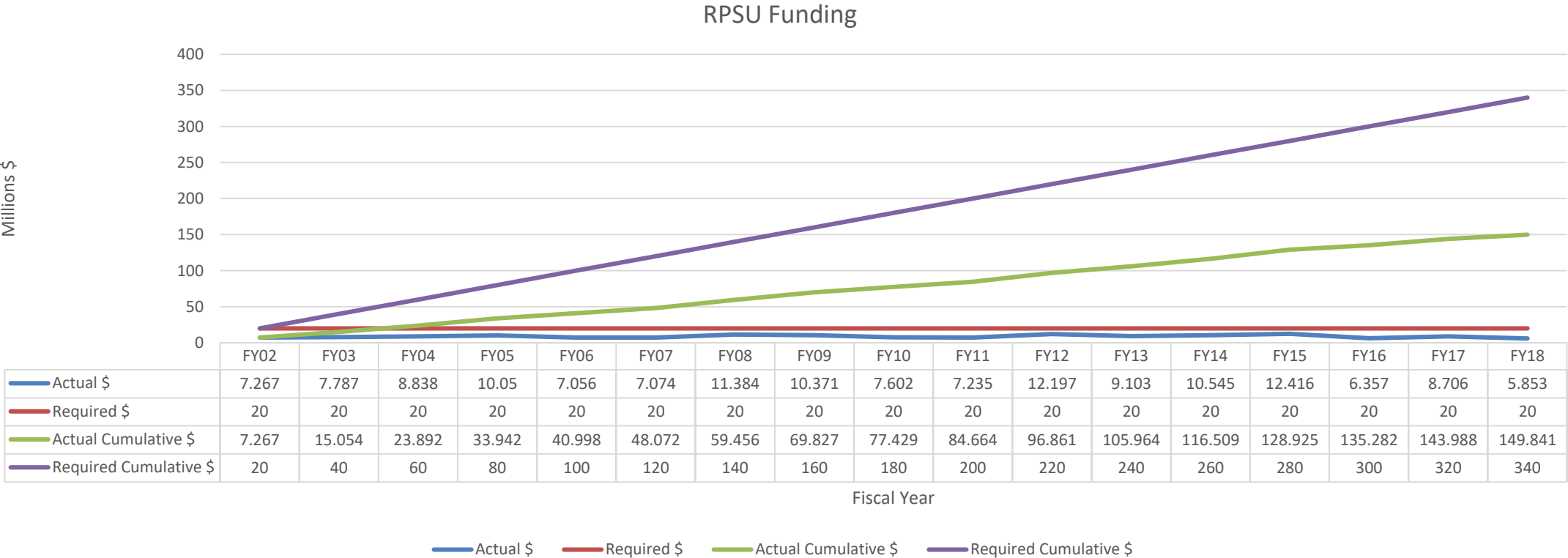
- **\$163 million** since 2001 - 118 projects since 2001
- **\$13.6 million** obligated (i.e. to complete active projects)

Currently

- **\$11 million** State funding available
- **\$4.5 million** Federal funding anticipated



Rural Power Infrastructure Investment



Rural Power Infrastructure Direction



Rural Power System Enhancements



Marine Jacket Diesel Genset



Heat Recovery Piping



Control Room



Rural Power Challenges and Solutions

- Funding
- Operations & Maintenance
- Training
- Climate Change

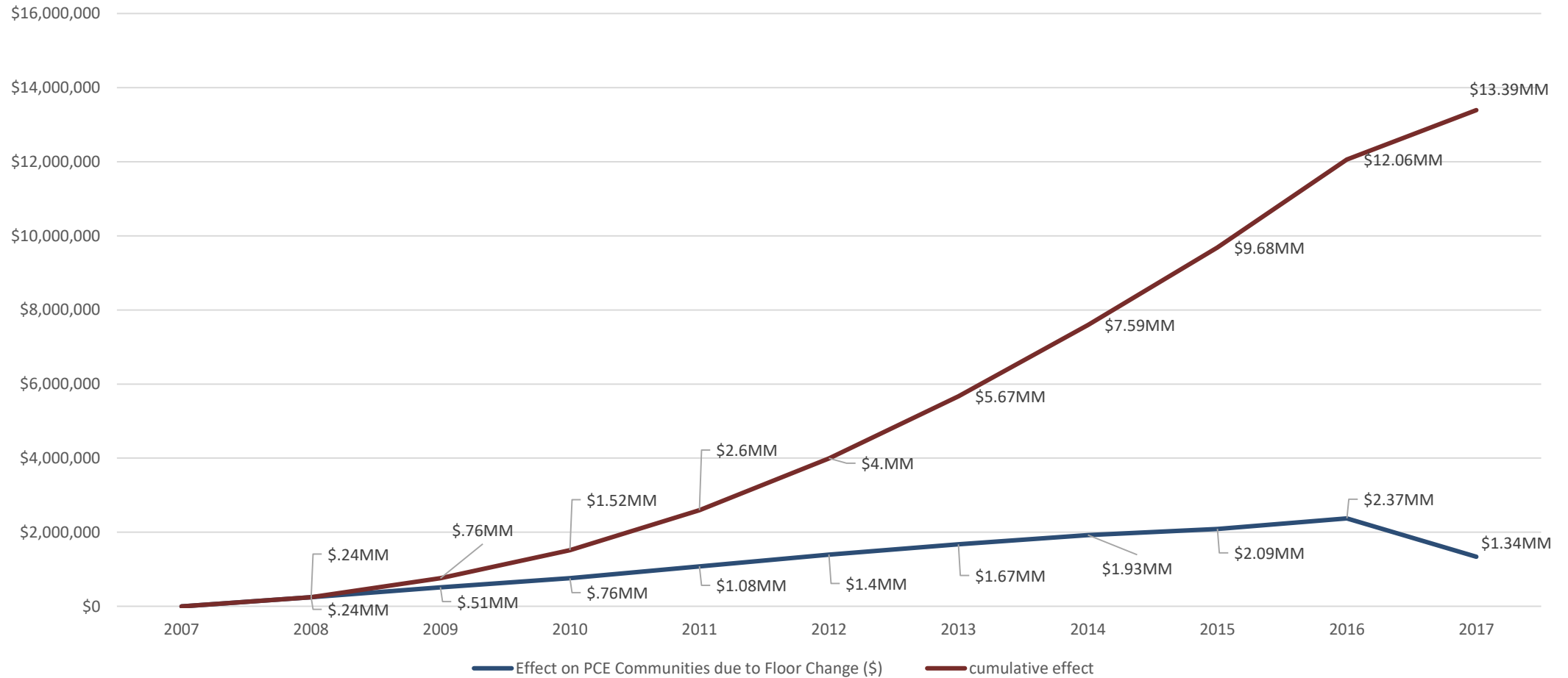


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System Hardening - Resilience



PCE Communities Lost Value (PCE Floor above Alaska CPI)





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