U.S. DEPARTMENT of ENERGY

Grid Deployment Office

Customized Help and Expertise on Energy Resilience for States (CHEERS)

Grid Resilience Technologies for Municipal Utilities and Cooperatives in Illinois

CONVERGE STRATEGIES

20 May 2025

Agenda

CONVERGE STRATEGIES

01 Welcome and Introductions

02 IFA Announcement of Round 2 Funding

03 Grid Resilience Technologies

04 Grid Resilience Priorities Discussion

05 Questions and Next Steps

01

Welcome and Introductions

Introductions

Converge Strategies

Erica Blevins, State Lead
Matthew Aronoff, State Support
Bella Briseño Elalfi, State Support
Tom Calvert-Rosenberger, CHEERS Project Manager
Adair Douglas, CHEERS Workshop Lead

State of Illinois

Claire Brinley, Program Manager, IFA/Climate Bank
Tanya Rabczak, VP Legal, Regulatory and Policy, The Accelerate Group
Rebecca Goold, President & Principal Consultant, 2R Group

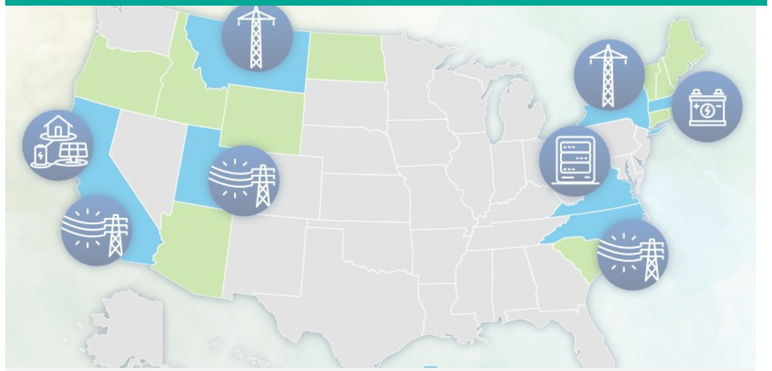
Customized Help and Expertise on Energy Resilience for States (CHEERS)

CONVERGE STRATEGIES

MISSION

CHEERS is a **community of practice** delivering grid resilience technical assistance to states.

PROGRAMMING



CHEERS convenes an **annual Cohort of states** focused on implementing Bipartisan Infrastructure Law (BIL) **Section 40401(d) ("Grid Resilience Formula Grants")**.

COHORT VALUE

States participating in CHEERS will have **access to tools**, **learning opportunities**, **a network of peers** from across the U.S., and **workshops** to enhance their own individual grid resilience projects and funding opportunities.

CHEERS Technical Assistance for Illinois

CONVERGE STRATEGIES

JAN - APR 2025

RESEARCH GRID RESILIENCE TECHNOLOGIES

Identify technologies of interest for municipal utilities and cooperatives.

Conduct grid resilience technologies research, highlighting the 40101(d) program.

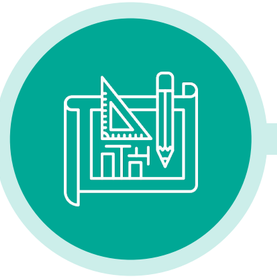
MAY 2025

DEVELOP RESILIENCE PRIORITIES

Convene utilities from across the state to share funding opportunities and grid technology research.

Collectively identify resilience priorities and project ideas.

JUNE - JAN 2025



BUILD OUT 40101(d) SUPPORT MATERIALS

Conduct additional needs assessments, develop support materials for 40101(d) applicants, and collaborate with IFA on next steps.

Workshop Objectives

CONVERGE STRATEGIES

Obj. 1 Share information on grid resilience programs and technologies with cooperatives and municipal electric utilities in Illinois.

Obj. 2 Facilitate conversations on the resilience needs of municipal utilities and cooperatives and how the state can support the planning and execution of 40101(d) funding.

Obj. 3 Identify potential grid resilience projects eligible for the 40101(d) program that address resilience concerns in Illinois.

Workshop Tools | Zoom

CONVERGE STRATEGIES

Tips for Workshop Engagement

Raise Hand during large group Q&A.

Use Chat for questions and comments outside of formal Q&A.

Mute Mic when you are not talking.

Use Camera to create an atmosphere of trust and relationship-building.

Calendar Invite has Zoom information to rejoin if you lose connection.

02

CONVERGE
STRATEGIES

IFA on Round 2 Funding

ILLINOIS FINANCE AUTHORITY > ILLINOIS CLIMATE BANK

Grant Funding Opportunities

May 20, 2025

Agenda:

- Climate Bank Overview
- 40101d Grid Resilience Formula Grants NOFO
- Small Utility Clean Energy Planning Grants NOFO
- Q&A
- Other IFA Resources

IFA
ILLINOIS FINANCE AUTHORITY

ILLINOIS
CLIMATE
BANK

THE IFA WAS DESIGNATED AS THE CLIMATE BANK BY CEJA

CLIMATE BANK PURPOSE

(1) the distribution of the benefits of clean energy in an equitable manner;

(2) making clean energy accessible to all; and

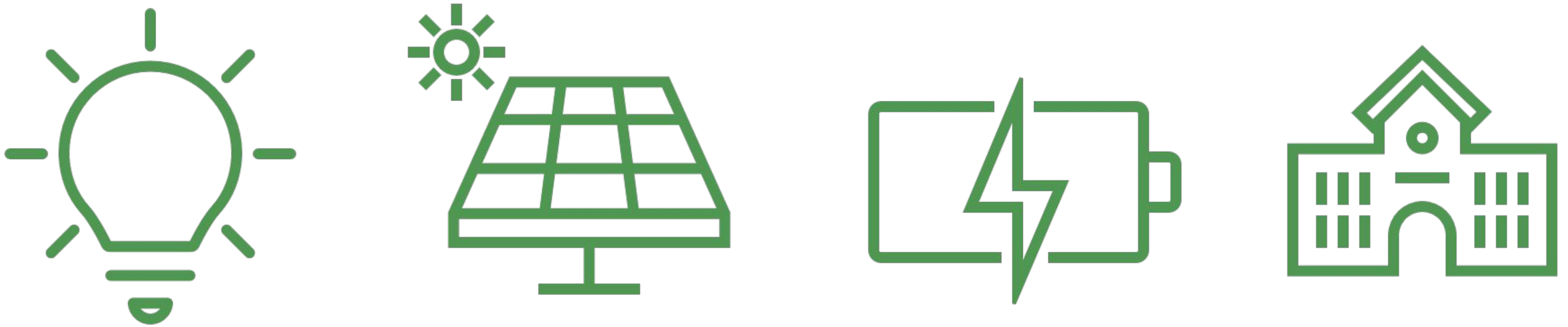
(3) accelerating the investment of private capital into clean energy projects in a manner reflective of the geographic, racial, ethnic, gender, and income-level diversity of the State.

– Climate & Equitable Jobs Act, 2021 (20 ILCS 3501/850-15)

Introducing the Illinois Climate Bank Website

The Illinois Climate Bank website is now live! Visit our website to learn more about these grant opportunities and additional financing programs supporting clean energy, decarbonization, and climate resilience across the state.

https://illinois-climate-bank.web.app/



40101(d)
GRID RESILIENCE FORMULA GRANTS
Program

40101(d) – Grid Resilience – Overview

GRID RESILIENCE 40101(d) FORMULA GRANTS

US DOE award $40 M to State of Illinois over 5 years.
$24 million has been awarded for Y1, Y2 and Y3.

- **Grants:** IFA/CB will award grants to improve reliability and resilience
- **Priority**: Illinois Equity Investment Eligible Communities (EIEC map)

OPPORTUNITY:

- NOFO#2 open for pre-applications - **due June 30**
- IFA website
- NOFO

Submission:
File pre-application through AmpliFund/GATA portal

40101(d) – Grid Resilience – NOFO#2

Available Funding: $14,400,000

Pre-applications due June 30, 2025

Expected amounts of individual awards:
$150,000 - $8,000,000 per project.

- **Project Period:** Winter 2025-2032
- **Type:** Grant
- **Cost Match**:
  - Small utilities match 1/3 + 15%;
  - Large utilities and other entities match 1:1 + 15%

Small Utility

- sells more than 4,000,000 MWh electricity per year

Example: if you are requesting $1 million in federal funding for your project, and

- **Small Utility:** provide a non-federal cost match of $150,000 (15%) plus $333,333 (1/3) for your project, so your total cost match would be $483,333. Your total project value would be $1,483,333.

- **Large Utility or any other Eligible Entity that is not a Small Utility:** provide a non-federal cost match of $1,150,000 (115%). Your total project value would be $2,150,000.

Eligibility

Eligible Activities

A. Weatherization (technologies and equipment)
B. Fire-resistant technologies and fire prevention systems
C. Monitoring and control technologies
D. Undergrounding of electrical equipment
E. Utility pole management
F. Power lines relocation or reconductoring
G. Vegetation and fuel-load management
H. DER construction for enhancing system adaptive capacity during disruptive events, incl.:
    a. microgrids; and
    b. battery-storage subcomponents
I. Adaptive protection technologies
J. Advanced modeling technologies
K. Hardening of power lines, facilities, substations, of other systems
L. Replacing old overhead conductors and underground cables
M. Other measures (as determined or approved by US DOE)

Non-Eligible Activities

A. Construction of a
    a. new electric generating facility
    b. large-scale battery-storage facility that is not used for enhancing system adaptive capacity during disruptive events
B. Cybersecurity

Non-Eligible Costs

- acquisition of land or easements
- federal funding or property as cost match
- lobbying, union fees,
- foreign travel, work performed outside

Eligibility

Eligible Entities

- An electric grid operator,
- An electricity storage operator,
- An electricity generator,
- A transmission owner or operator,
- A distribution provider,
- A fuel supplier, and
- Other relevant entity, as may be determined by the Secretary of Energy.

Other Relevant Entity

Illinois requested in its application and will work with the Secretary of Energy to approve the following additional eligible recipients:

- Non-profit organizations,
- Units of local government,
- Critical facilities,
- Illinois Municipal Utilities Association (IMUA)
- Association of Illinois Electric Cooperatives (AIEC) as eligible recipients

Prioritized Project Types

COMMUNITY RESILIENCE HUBS
Community gathering places that can provide life-essential or other support services to communities during extreme weather and grid-related events.

CRITICAL FACILITY MICROGRIDS
Essential public services that serve large populations that would pose risks to public health & safety if they lost power for extended durations.

EMERGENCY EQUIPMENT SHARE
Support efforts of small municipal and co-op utilities to prepare for and quickly recover from storms by creating a hub of easy-to-access essential equipment that otherwise has long lead times.

COMMUNITY-DRIVEN INITIATIVES
Comprehensive efforts that address resilience needs of a community, that is driven by local community planning efforts. This could include seed funding for early-stage planning.

REPLICABLE INNOVATIVE PILOTS
New technology or implementation approaches that address grid resilience needs in new ways that would benefit for the deployment of replicable pilot projects and knowledge-sharing.

Budget Prioritization

To ensure that funding is allocated in accordance with the stated objectives, IFA/CB will follow the following matrix in selecting projects:

1. Small Utilities that invest in EIECs
2. Other Small Utilities
3. Other eligible entities that invest in EIECs
4. Other projects (not specifically designed to benefit EIECs)

Simplified Application Process

Pre-application

- Register in GATA/AmpliFund
- Apply in AmpliFund:
  - Applicant's Info (populate fields)
  - 5-page Project Narrative (upload)
  - Metrics, Timelines, Milestones (upload)
  - Budget (upload)
  - Certify Compliance (populate fields)

Full Application
(pre-selected projects)

- Register in SAM.gov
- Submit additional forms in AmpliFund:
  - Funding Application Form
  - Cost-Match commitment
  - Environmental Questionnaire
  - Waivers (foreign work, BABA, etc.) if apply
  - USDOE Secretary "Other entity" designations
  - DOE Notification

Additional Funding Cycles (NOFOs)

- May open for remaining funding
- First round applicants will receive feedback on resubmitting applications

Project Narrative

1. **Project Executive Summary.** What are objectives, activities, and outcomes?
2. **Project Location.** Where located and what communities benefit?
3. **Anticipated Customer Benefits and Equity.** Anticipated customer benefits, for which communities, and how it will reach historically underserved populations.
4. **Funding Objectives.** How it meets the funding objectives, why is it not funded.
5. **Project timeline.** Overview in narrative and fill out in spreadsheet.
6. **Performance Measurement.** Overview in narrative and fill out in spreadsheet.
7. **Project Costs**. Overview in narrative and fill out budget spreadsheet.
8. **Workforce and Labor standards.** Describe proposed strategy.

Tip: Focus on the description of the project benefits and demonstrate the likelihood of your ability to achieve them as a direct (or substantial) consequence of proposed activities. Describe how you will measure outcomes.

Reporting

Quarterly

- ❑ Spending
- ❑ Build Metrics
- ❑ Milestones
- ❑ Project Risks

Annually

- ❑ Impact Metrics
- ❑ Training
- ❑ Workforce Development
- ❑ Community Outreach

Reporting Metrics: Quarterly Build Metrics

Distribution modifications	Miles of new distribution lines
	Miles of distribution lines undergrounded
	Miles of distribution lines of vegetation clearing
	Miles of distribution lines reconductored
	Miles of distribution lines with other upgrades (specify in "Type" field what was upgraded)
	Number of distribution poles inspected
	Number of distribution poles replaced
	Number of distribution poles with other upgrades (specify in "Type" field what was upgraded)

Substation Modifications	Number of substations relocated
	Number of substations with added physical protection
	Number of substations with added sensors/monitors
	Number of substations with elevated equipment
	Number of substations with upgraded equipment
	Number of substations with other upgrades (specify in "Type" field what was upgraded)
	Number of substations with redundant equipment

Reporting Metrics: Quarterly Build Metrics

Monitoring and control devices	Number of fault location, isolation and service restoration (FLISR) devices installed
	Number of other monitoring/metering devices installed
	Number of other protection or control devices installed
Mobile Units	Voltage rating of mobile substation (kV)
	Voltage rating of mobile transformers (kV)
Fuel supply	Percent increased energy storage capacity in reserve fuel - diesel
	Percent increased energy storage capacity in reserve fuel - propane
	Percent increased energy storage capacity in reserve fuel - gasoline
Restoration equipment	Number of transportation assets purchased to assist with power restoration (specify equipment in "Type" field)
	Number of communications assets purchased to assist with power restoration (specify equipment in "Type" field)
	Number of other assets purchased to assist with power restoration (specify equipment in "Type" field)
Operating systems	Percentage of system migrated into new software system (specify software system in "Type" field OMS, ADMS, SCADA, inventory management, workforce management, or other)

Reporting Metrics: Quarterly Build Metrics

Hardened Generation	Capacity rating of hardened generation (MW) - photovoltaics
	Capacity rating of hardened generation (MW) - wind
	Capacity rating of hardened generation (MW) - diesel
	Capacity rating of hardened generation (MW) - natural gas
	Capacity rating of hardened generation (MW) - coal
	Capacity rating of hardened generation (MW) - nuclear
	Capacity rating of hardened generation (MW) - hydropower
	Average annual electricity produced of hardened generation (MWh) - photovoltaics
	Average annual electricity produced of hardened generation (MWh) - wind
	Average annual electricity produced of hardened generation (MWh) - diesel
	Average annual electricity produced of hardened generation (MWh) - natural gas
	Average annual electricity produced of hardened generation (MWh) - coal
	Average annual electricity produced of hardened generation (MWh) - nuclear
	Average annual electricity produced of hardened generation (MWh) - hydropower
Inventory	Percentage increase in pole inventory
	Percentage increase in transformer inventory
	Percentage increase in equipment inventory (specify type of equipment in "Type" field)
	Expected lifetime of new equipment (specify equipment in "Type" field)
	Other (insert necessary info in "Type" field)

Reporting Metrics: Annually Impact Metrics

Outages	Largest outage cause
	Number of outages
	Hours to repair outages
	System Average Interruption Duration Index (SAIDI)
	Customer Average Interruption Duration Index (CAIDI)
	System Average Interruption Frequency Index (SAIFI)
	Customer Average Interruption Frequency Index (CAIFI)
	Number of individual customers with more than 5 interruptions
	Number of individual customer outages that extend beyond 24 hours
	Number of critical services with outages that extend beyond 24 hours
	Hours of unmet load
	Average hours to restore 50% of customers
	Average hours to restore 90% of customers
	Average hours to restore 100% of customers
Damages	Outage recovery cost ($)
	Hours line loading exceeded normal rating
	Number of poles damaged (specify pole type in "Type" field")
	Feet of conductor replaced (specify conductor type in "Type" field)
	Number of electrical components damaged (specify in "Type" field)

Reporting Metrics: Annually Impact Metrics

Customers Benefitted	Number of residential customers benefitted by project
	Number of commercial customers benefitted by project
	Number of industrial customers benefitted by project
	Number of customers that provide community services/emergency centers benefitted by project (specify service in "Type" field)
	Number of customers that provide communication services benefitted by project (specify service in "Type" field)
	Number of customers that provide energy supply benefitted by project (specify service in "Type" field)
	Number of customers that provide transportation services benefitted by project (specify service in "Type" field)
	Number of customers that provide water services benefitted by project (specify service in "Type" field)
	Number of customers that provide food services benefitted by project (specify service in "Type" field)

Pre-applications Evaluation

Min. DOE Requirements	IL Priority Alignment	Community Benefits
a) Result in Community Benefits (as discussed further below); b) Be located in Illinois; and c) Include required Cost Match	• Alignment with the Program Objectives & Metrics • Expected impact on EIECs/DACs • Expected Environmental/Public Health Benefits • Contractor and Workforce Commitments	Must score at least 30/50 points with 10 max* points in each of the five Program Objectives categories 1) Resilience (7 pts a must) 2) Environment 3) Equity 4) Affordability 5) Safety

*Each category will be evaluated in the following three brackets: Poor (1-3 points), Fair (4-6 points), Strong (7-10 points), based on the description of the benefits in the project pre-application and the likelihood of the applicant's ability to achieve them as a direct (or substantial) consequence of the proposed project activities and to successfully measure these benefits. Project must also have **at least 7 points in Resilience category!**

Resilience Program Objectives

OBJECTIVES

RESILIENCY	ENVIRONMENT	AFFORDABILITYTY	EQUITY	SAFETY & WORKFORCE
EXAMPLES				
Reduce outages in EIECs (duration & frequency)	Enhance environmental quality and public health	Reduce the energy burden for low-income residents	Increase access / opportunities for EIECs residents & businesses in	Ensure the safe operation of the energy system
Increase community resilience for those least able to respond to disruptions	Speed the installation and integration of renewables	Ensure low-income and disadvantaged communities directly benefit first	Build awareness and trust in grid/energy systems in frontline and EJ communities	Prepare the workforce for emerging technology opportunities
Align resilience planning with future climate risks	Leverage nature-based solutions and native tree planning	Support communities in making long-term affordable energy decisions	Support communities and small utilities that lack capacity	Address health & safety limitations on building stock
		Reduce costs for public entities that pass-through costs to taxpayers/users	Ensure equity in outage management processes, as well as planning	Protect homes from in-home hazards during flooding/disasters

Contact for Further Questions - Small Utility Planning

Climate Bank's website:

- IL 40101d Grid Resilience
  https://illinois-climate-bank.web.app/financing-programs/municipal-cooperative-utilities/40101d-grid-resilience/

- Illinois Small Utility Clean Energy Planning:
  https://illinois-climate-bank.web.app/financing-programs/municipal-cooperative-utilities/clean-energy-planning/

If you have further questions, please send them to ClimateBank@IL-FA.com by the date that questions are closing, listed in the program NOFO.

Q&A

Other IFA Resources

Private Activity Bonds

IFA issues tax-exempt qualified private activity bonds for 501(c)(3) organizations and other conduit borrowers. Borrowers work with banks, underwriters, or placement agents of their own choosing.

State Small Business Credit Initiative

IFA provides low-cost financing to small businesses for eligible climate-related projects.

Commercial Property Assessed Clean Energy Bonds

IFA has statewide authorization to issue bonds and notes to fund eligible building improvements in any PACE area. Eligible improvements include energy efficiency, renewable energy, water use, and EV charging stations. Projects located in Cook County are not currently eligible.

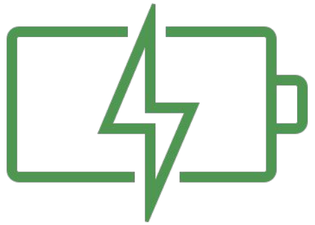
Thank You!

If you have any other questions, please reach out to us at:

Claire Brinley, Program Manager at IFA/CB
Email: ClimateBank@IL-FA.com

Tetyana Rabczak, VP Legal at The Accelerate Group
Email: Tanya@TheAccelerateGroup.com

Rebecca Goold, President at 2R Group
Email: Rebecca@the2rgroup.com



03

CONVERGE
STRATEGIES

Grid Resilience Technologies

All Technologies Fundable Under 40101(d)

Types of resilience investments permitted under the Grid Resilience Formula Grant program

Potential Investments include:

- utility pole management,
- hardening of power lines, facilities, substations, of other systems,
- undergrounding of electrical equipment,
- replacement of old overhead conductors and underground cables,
- relocation of power lines or reconductoring of power lines with low-sag, advanced conductors,
- vegetation and fuel-load management,
- weatherization technologies and equipment,
- fire-resistant technologies and fire prevention systems,
- monitoring and control technologies,
- use or construction of distributed energy resources for enhancing system adaptive capacity during disruptive events, including microgrids, and battery-storage subcomponents,
- adaptive protection technologies, and
- advanced modeling technologies

Grants under Section 40101(d) CANNOT be used for:

Construction of a new electric generating facility or large-scale battery-storage facility that is not used for enhancing system adaptive capacity during disruptive events; or cybersecurity.

Monitoring and Control (Smart Grid Equipment)

CONVERGE STRATEGIES

Technology Overview

A group of technologies that aim to monitor, control, and provide real-time insights into the electric grid.

Problem

Are you experiencing the following:

- ❑ Unrealized potential of existing infrastructure assets
- ❑ Current or looming electrification growth
- ❑ Lack of visibility into customer or member trends
- ❑ Challenges controlling distributed energy resources
- ❑ Lag time in detection of faults and equipment failure

Solution

Smart Grid Equipment provides the following resilience benefits:

- ❑ Real time monitoring and sensing to redirect load
- ❑ Automated fault detection and restoration
- ❑ Improved outage response with precise location and cause identification
- ❑ Integration of distributed energy resources for alternative generation

Monitoring and Control (Smart Grid Equipment)

CONVERGE STRATEGIES

40101(d) Applicability

Takeaway: an all-inclusive approach.

Examples of these technologies include:

- Protective relays and breakers
- Digital relays, smart reclosers, and early fault detection technologies
- Supervisory control and data acquisition (SCADA)
- Advanced metering infrastructure (AMI)
- Fault Location, Isolation, and Service Restoration (FLISR)
- Volt/VAR Optimization (VVO) Systems

Know Before Developing

CYBERSECURITY RISKS

Smart grid equipment is likely connected to the broader 'Internet of Things', which increases a threat surface area for attacks.

SUPPORTING INFRASTRUCTURE

Smart grid equipment will only be effective if it can be processed with a strong fiber broadband network.

NEW SKILLSET

There is a learning curve to correctly use the equipment to avoid an 'information rich, data poor' scenario.

HIGH COSTS

Requires wide-scale investments in grid sensors, systems integration, and communications infrastructure.

Subcomponents: Monitoring and Control Technologies

CONVERGE STRATEGIES

SCADA	Enhances grid resilience by providing real-time monitoring, control, and automation of grid components, enabling operators to quickly detect faults, isolate problem areas, and reroute power to minimize outages.
FLISR	Enhances grid resilience by enabling rapid identification and isolation of faults on the distribution network, minimizing the impact of outages by automatically rerouting power around affected areas.
AMI	Provides granular, real-time data on electricity usage, outages, and power quality across the network, allowing utilities to detect and pinpoint outages more quickly. This allows for faster restoration and reduced downtime.
TripSavers	A type of recloser or automated fuse that detects temporary faults and attempts to restore power by interrupting and then reclosing the circuit, avoiding permanent outages for momentary issues.
Intellirupter	A more advanced smart switch or recloser, capable of precise fault detection, real-time communication, and integration with distribution automation systems. It can coordinate with FLISR systems for intelligent decision-making.

Undergrounding Transmission and Distribution Lines

CONVERGE STRATEGIES

Technology Overview

The relocation of parts of electric power transmission and distribution systems from above ground to below ground.

Problem

Are you experiencing the following:

- ❑ Frequent outages due to natural hazards
- ❑ Existing or pursuing system monitoring capabilities
- ❑ Conducive environmental and subsurface conditions (not prone to flooding or geological activity)
- ❑ Community support for undergrounding

Solution

Undergrounding provides the following resilience benefits:

- ❑ Reduce vulnerability to disruption from extreme weather and wildfires
- ❑ Reduce overall system restoration times and interruption durations
- ❑ Reduce risks of damage from fallen overhead lines
- ❑ Improve aesthetics and garner community support
- ❑ Lower failure rates

Undergrounding Transmission and Distribution Lines

40101(d) Applicability

Examples of technologies include:

- Insulating materials
- Trenching construction technique
- Tunneling construction technique

Know Before Developing

HIGH COSTS

Requires a higher direct cost (materials, labor, administrative) of underground lines relative to overhead.

COMPLEX REPAIRS

Underground repairs generally take longer because accessing lines and locating faults is more difficult.

SHORTER LIFETIMES

Lifetimes can be 20-60% shorter due to excessive heat buildup and susceptibility to moisture.

NATURAL HAZARDS

Depending on the location, may be at risk from flooding and earthquake damage.

Preventive and Predictive Maintenance Technologies

CONVERGE STRATEGIES

Technology Overview

Preventative and predictive maintenance technologies reduce the impact and occurrence of vegetation-related disruptions to the power system.

Problem

Are you experiencing the following:

- ❏ Numerous hazards to powerlines
- ❏ Increased maintenance costs
- ❏ Damaged, unhealthy or dead trees surrounding critical lines
- ❏ Prevalence of fast-growing invasive species

Solution

Preventative and Predictive Maintenance Technologies provide the following resilience benefits:

- ❏ Reduce outages across a wide range of mild to more extreme events
- ❏ Improve reliability
- ❏ Decrease maintenance costs
- ❏ Wildfire prevention

Preventive and Predictive Maintenance Technologies

40101(d) Applicability

Examples of technologies include:

- Tree pruning
- Tree removal
- Vegetation control
- Integrated vegetation management
- Widening rights-of-way
- “Enhanced” vegetation management

Know Before Developing

UTILITY RIGHTS-OF-WAY

These are not always well-defined and may be subject to dispute by property owners.

COMMUNITY SENTIMENTS

Tree measures may have aesthetic impacts that cause community resistance to them being undertaken.

Microgrids

CONVERGE STRATEGIES

Technology Overview

A group of interconnected loads and distributed energy resources within clearly defined electrical boundaries that acts as a single controllable entity with respect to the grid.

Problem

Are you experiencing the following:

- ❑ Frequent outages due to load shedding from your transmission provider
- ❑ Have a specific load within your service territory that cannot experience outages (critical infrastructure)
- ❑ Challenges meeting load demands during peak conditions
- ❑ Poor reliability rates

Solution

Microgrid Equipment provides the following resilience benefits:

- ❑ Uninterruptible Power
- ❑ Grid Flexibility
- ❑ Diverse Energy Sources

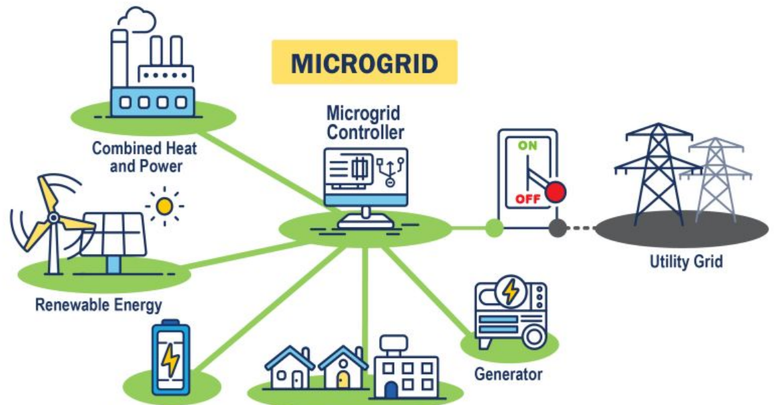


Figure 1: Features of an example microgrid.

Microgrids

40101(d) Applicability

Examples of technologies include:

- Batteries that will be used to supply electricity during disruptive events
- Equipment or management systems required to integrate existing generation sources and/or a battery into a microgrid
- Microgrid controller
- Electric cables
- Distribution equipment

Know Before Developing

HIGH COSTS

Microgrids can range from $2 - $5M per megawatt to develop. Microgrids can provide high ROI during times of need, but be aware of high up front and O&M costs.

IDENTIFIED LOAD GEOGRAPHY

Microgrid loads should be clustered so the entire distribution network is not duplicated. For example, a campus, business park, or cluster of buildings.

DETERMINING CRITICAL LOADS

Utilities should work with customers/members to identify critical loads and work with critical load owners to find the best energy support option for the site.

OPERATIONS AND MAINTENANCE

Like any energy infrastructure, a microgrid requires bandwidth, expertise, and resources to keep it operational once its up and running.

Contact Us

ERICA BLEVINS

Technical Analyst

eblevins@convergestrategies.com

TOM CALVERT-ROSENBERGER

Director

tcrosenberger@convergestrategies.com

MATT ARONOFF

Senior Associate

maronoff@convergestrategies.com

ADAIR DOUGLAS

Director

adouglas@convergestrategies.com

BELLA BRISEÑO ELALFI

Associate

bbrisenoelalfi@convergestrategies.com