



## Energy Resiliency Keeping Critical Facilities Running

Communities and businesses around the world are recognizing the significant threats to their safety and economic stability posed by extended power outages. Many facilities are inadequately prepared to cope with the costly and damaging effects of increasingly frequent and unpredictable extreme weather events. Storms, floods, droughts, and other events compromise the ability of power supplies to reliably deliver emergency response, shelter, communication, and other key services.

Cadmus' **energy-resiliency support** can help reduce electrical service interruptions and support critical infrastructure during power outages. Our comprehensive expertise in clean power planning, purchasing, and maintenance—along with superb community outreach and client education—can help you develop and implement the strategy that best suits your needs and resources.

### Complete support

Cadmus' engineers have evaluated thousands of renewable-energy systems, including solar photovoltaic (PV), wind, solar thermal, biomass, solar hot water, anaerobic digesters, combined heat and power, fuel cell, battery storage, backup generator, and geothermal energy systems. Our consultants are experienced technical experts who work directly with organizational leaders to explore each client's individual priorities and budgets to deliver the best solutions available.

We help institutions bolster their energy resiliency with:

- Power source vulnerability assessments
- Critical load assessments

- Site surveys
- Feasibility studies
- Community education and outreach
- Financing consultation
- Owner's agent purchasing support
- Quality assurance
- Expertise in a wide variety of commercially available energy modeling tools

As an independent consulting firm, we focus on solutions, not sales. Our experts are trained to assess and identify the best outcome for our clients, with no incentive to recommend unnecessary or overly costly measures.





## A plan for every community

Cadmus has worked with communities of all sizes, from major urban centers to rural towns. We have advised more than 30 clients across the United States, facing diverse challenges. We can help you develop the customized solutions that will help meet your community's needs—no more and no less.

## Finance support

Using clean energy technology to generate power from renewable resources such as sunlight, wind, or biomass can be a cost-effective way to secure an independent power source and avoid the environmental impacts of mainstream electricity generation. Cadmus offers a full range of technical and management services to support the development of renewable energy projects, including:

- Site and resource assessments
- Feasibility and impact studies
- Visual and acoustic simulations
- Financing options analyses, economic projections and grant writing
- System design and evaluation
- Environmental permitting
- Community education and outreach
- Equipment testing and long-term monitoring
- Post-installation inspection and commissioning services

## Project Experience

### Community Clean Energy Resiliency Initiative: Technical Assistance for the Massachusetts Department of Energy Resources

Cadmus delivered technical support to 27 communities throughout Massachusetts as they developed plans to ensure the energy resilience of their most critical resources. We conducted in-depth technical assessments and engaged in high-touch outreach with each community to assess priorities for critical facilities, explore suitable power-sourcing options, and determine the most useful funding strategies for each case.

### Urban Resilience to Climate Change: Support for the U.S. Environmental Protection Agency

There is no one-size-fits-all approach to climate change resiliency, but solid and diverse expertise is essential for sound planning. Cadmus scientists collaborated with the U.S. EPA to develop a customizable tool for assessing individual urban communities' vulnerability to climate change on a number of metrics—including energy, economic impact, transportation, public health, and telecommunications. We then led a series of workshops with local stakeholders in each location to evaluate the relevance of each metric to their needs. Attendees used the tool to prepare their climate change resilience planning.

## To learn how Cadmus can help you, contact:

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## About Cadmus

Cadmus is an employee-owned consultancy committed to helping our clients address complex challenges by applying diverse skills and experiences in a highly collaborative environment. By assisting our clients in achieving their goals, we create social and economic value today and for future generations. Founded in 1983, we leverage our staff's exceptional expertise in the physical and life sciences, engineering, social sciences, strategic communication, architecture and design, law, policy analysis, and the liberal arts to provide an array of research and analytical services in the United States and abroad. See more at [www.cadmusgroup.com](http://www.cadmusgroup.com).