

1. Resilience Planning

[Health Care Without Harm \(HCWH\)](#) is a non-profit organization that campaigns for environmentally responsible health care across the globe and for health providers to be more ecologically sustainable. HCWH aims to deploy climate-smart healthcare systems and facilities that can serve as community anchors providing access to care, and improving overall community resilience. HCWH's community resilience and health goals are centered on three focus areas:

- Mitigate – Incorporate technologies into health systems to reduce climate impacts and to conserve energy and adopt renewable energy sources.
- Adapt – Health systems can be used to improve resilience and anchor broader community health and resilience.
- Lead – Health systems can model and lead resilience efforts by example.

2. Program or Project Implementation

On a national level, HCWH helped develop the US Department of Health and Human Services' (HHS) [Sustainable and Climate Resilient Health Care Facilities Toolkit and Initiative](#). This effort is aimed at ensuring the continuity of quality health and human care prior to, during and after extreme weather events. The web-based toolkit includes a best practices document, a five-element framework for vulnerability assessments, and additional resources and suggestions for building resilience.

HCWH has also advocated for CHP as a strategy to mitigate and adapt to the effects of climate change. To this end, the organization sponsored two reports to demonstrate the benefits of CHP systems to healthcare facilities in Massachusetts. The [first report](#) was intended to provide a primer on the application of CHP technologies in the healthcare field and the policy frameworks that support CHP in Massachusetts. The [second report](#) was aimed at identifying the barriers to CHP deployment and finding solutions to these barriers to accelerate CHP installations.

HCWH was also instrumental in bringing together key stakeholders in the healthcare sector for a [Resilience 2.0 Summit](#) to discuss community health and climate resilience, and how they affect healthcare and its ability to respond to climate events. The event was held January 11, 2017 in Boston, MA and brought together more than 100 stakeholders from across the country. The outcome was [a report](#) that addressed the business case for resiliency in the healthcare sector, highlighted key partnerships and communication networks, and identified innovative energy solutions for healthcare facilities and communities. More recently, HCWH co-authored a report, [Safe haven in the storm: Protecting lives and margins with climate-smart health care](#), focused on the costs and benefits surrounding climate resiliency and preparedness. This report was geared towards the business case for resilience initiatives, and includes many charts and graphics to illustrate the role that resilience planning can have in the healthcare sector.

3. Lessons Learned

In HCWH's experience, demonstrating the benefits of CHP can lead to increased interest from hospitals, state and federal regulators as well as utilities. Depending on the state, a range of incentives are available to health care facilities interested in installing CHP facilities that can significantly lower investment paybacks. With these incentives in place and due to an increased interest from hospitals in improving their resilience, CHP is an attractive option for a number of different facilities. Innovative

CHP for Resiliency Accelerator Partner Profile

incentives, such as Alternative Energy Certificates (AECs), are a major driver for CHP installations in Massachusetts. Looking to the future, new innovative incentives programs such as those providing incentives for storage, can accelerate CHP deployment further enabling facilities to do peak shaving and avoid expensive demand charges.

HCWH has also learned the importance of partnering with a variety of different organizations in order to make progress on climate and resilience initiatives. They have continued to work with HHS to develop their Health Care Facilities Toolkit and are also collaborating with the Massachusetts Department of Energy Resources (DOER) on additional resiliency grants for hospitals.

4. Additional Information

- ▶ [Healthcare Without Harm](#)
- ▶ [Safe haven in the storm: Protecting lives and margins with climate-smart health care](#)
- ▶ [Sustainable and Climate-Resilient Health Care Facilities Toolkit](#)
- ▶ [Powering the Future of Health Care Part 1: Financial and Operational Resilience. A Combined Heat and Power Guide for Massachusetts Hospital Decision Makers.](#)
- ▶ [Powering the Future of Health Care Part 2: Thought Leaders Roundtable. Drilling Through the Barriers & Accelerating CHP Development In Massachusetts Hospitals](#)