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# Tracking Adaptation Efforts

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*Climate Change Adaptation for State and Local Governments:  
Attracting Funding for Adaptation*



CENTER FOR CLIMATE  
AND ENERGY SOLUTIONS

C2ES.ORG



- **Independent, nonpartisan, nonprofit organization**
- **Working to advance strong policy and action to address the twin challenges of energy and climate change**
- **Founded in 1998 as the Pew Center on Global Climate Change**
- **Became C2ES in 2011**
- **Named one of the world's top environmental think tanks of 2012 (Univ. of Pennsylvania survey)**

- Activity levels vary in stages of adaptation process

	Impacts Assessment	Vulnerability Assessment	Planning	Capacity Building	Implementation	Resources/ Tools	Monitoring/ Evaluation
Federal	Moderate Activity	Moderate Activity	Moderate Activity	Moderate Activity	Less Activity	Moderate Activity	Absent or Unknown
Tribal	Moderate Activity	Moderate Activity	Moderate Activity	Less Activity	Less Activity	Moderate Activity	Absent or Unknown
Region	Moderate Activity	Moderate Activity	Moderate Activity	Less Activity	Less Activity	Moderate Activity	Absent or Unknown
State	Moderate Activity	Moderate Activity	Moderate Activity	Moderate Activity	Less Activity	Moderate Activity	Absent or Unknown
Local	Moderate Activity	Moderate Activity	Moderate Activity	Moderate Activity	Less Activity	Moderate Activity	Absent or Unknown

**Limited implementation**



**No monitoring and evaluation**

Source – Hansen, L., R.M. Gregg, V. Arroyo, S. Ellsworth, L. Jackson, and A. Snover. (2013). The State of Adaptation in the United States: An Overview. A report for John D. and Catherine T. MacArthur Foundation. EcoAdapt.



# C2ES City Tracking and Standardization

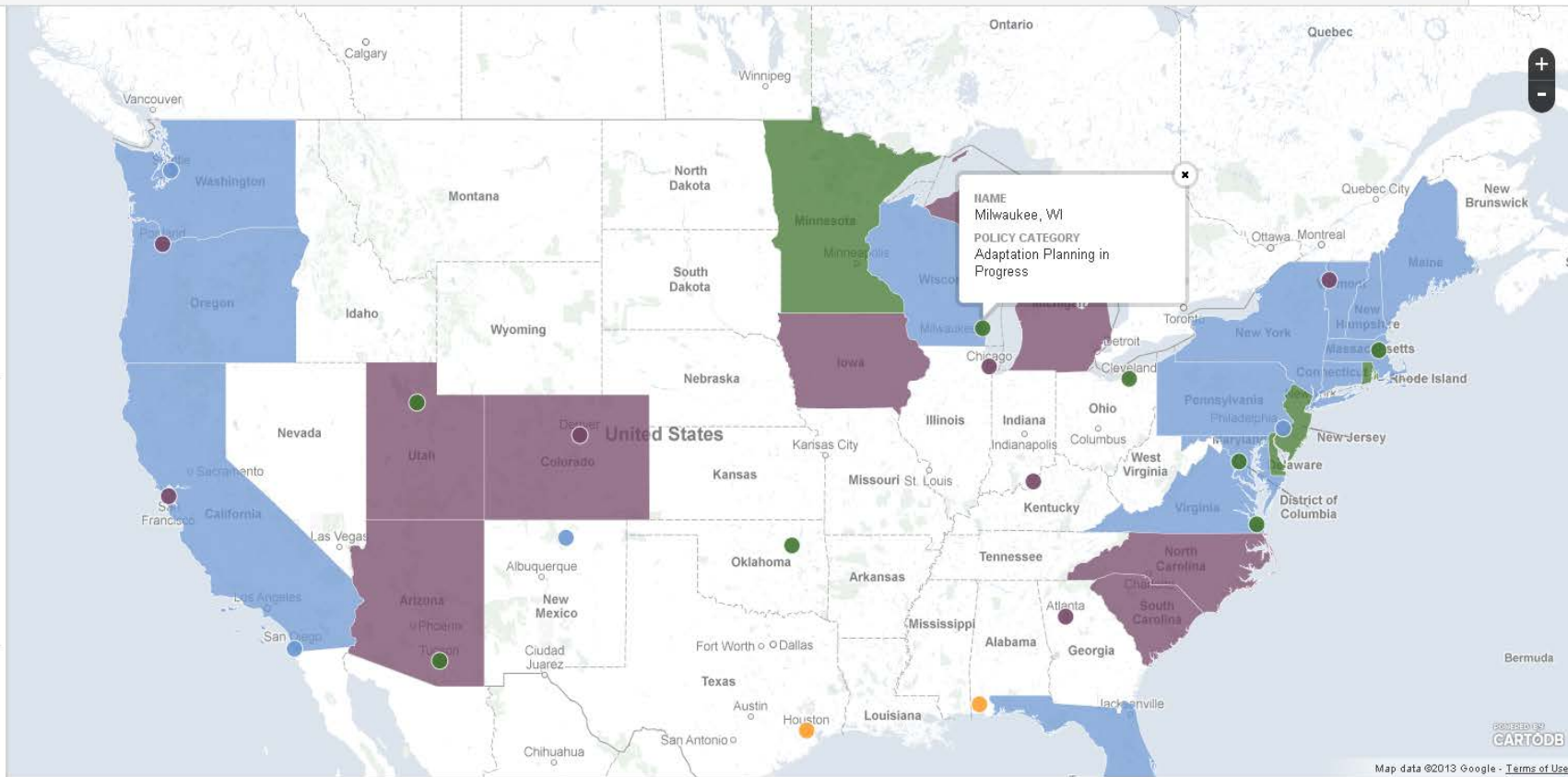


## Local Climate Adaptation Actions

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### LEGEND

- Local Climate Adaptation Actions
    - Adaptation Plan Recommended in CAP
    - No Formal Adaptation Plan
    - Adaptation Planning in Progress
    - Adaptation Plan Completed
  - State Adaptation Policies
    - Adaptation Plan Recommended in the C.A.P
    - Adaptation Plan In Progress
    - Adaptation Plan Completed
- [View data table](#)



### HIGHLIGHTED CLIMATE ACTIONS

Milwaukee has implemented many climate actions by investing in infrastructure to manage stormwater runoff and received the [2011 Green CITS program Leadership Award](#) for an ongoing commitment to addressing stormwater impacts through green infrastructure. From 2003 to 2004, [Milwaukee spent about \\$900,000](#) on green infrastructure to absorb runoff and capture contaminants. The city installed downspout disconnections, rain barrels, and 60 rain-gardens to control runoff. These installations reduce the burden on inadequate storm-water infrastructure and prevent potential flood damage. Milwaukee also installed a twenty thousand square foot green roof on a local housing project and spent an additional \$300,000 on four other green roof projects.

Milwaukee has also managed its coastal vulnerabilities to climate change by partnering with [The Conservation Fund \(TCF\)](#), a national finance and land-acquisition nonprofit group, to help run its [Greenseams program](#). This program has the goal of purchasing flood-prone, lowland properties in order to protect key areas from development and allow for natural stormwater filtration. By increasing natural filtration, the program lowers the amount of stormwater that reaches traditional infrastructure during

## What you can do –

- Explore partnerships or collaborative efforts.
- Encourage city officials to generate relevant material and upload their local adaptation actions to existing platforms.
- Help identify knowledge gaps.

## C2ES plans to –

- Author content for use in platforms.
- Provide in-depth research and comparative analysis.
- Qualitatively assess each surveyed city's progress toward its climate adaptation plan.
- Author and publish case studies.

- **ICLEI – Local Governments for Sustainability**  
<http://www.iclei.org>  
International network, case studies, toolkits.
- **EcoAdapt – Climate Adaptation Knowledge Exchange (CAKE)**  
<http://cakex.org>  
Database of organizations, case studies, tools.
- **Georgetown Climate Center**  
<http://www.georgetownclimate.org/adaptation/clearinghouse>  
Adaptation clearinghouse of resources and organizations.



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FOR MORE INFORMATION

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