



Environmental Education on the Potomac

The Alice Ferguson Foundation

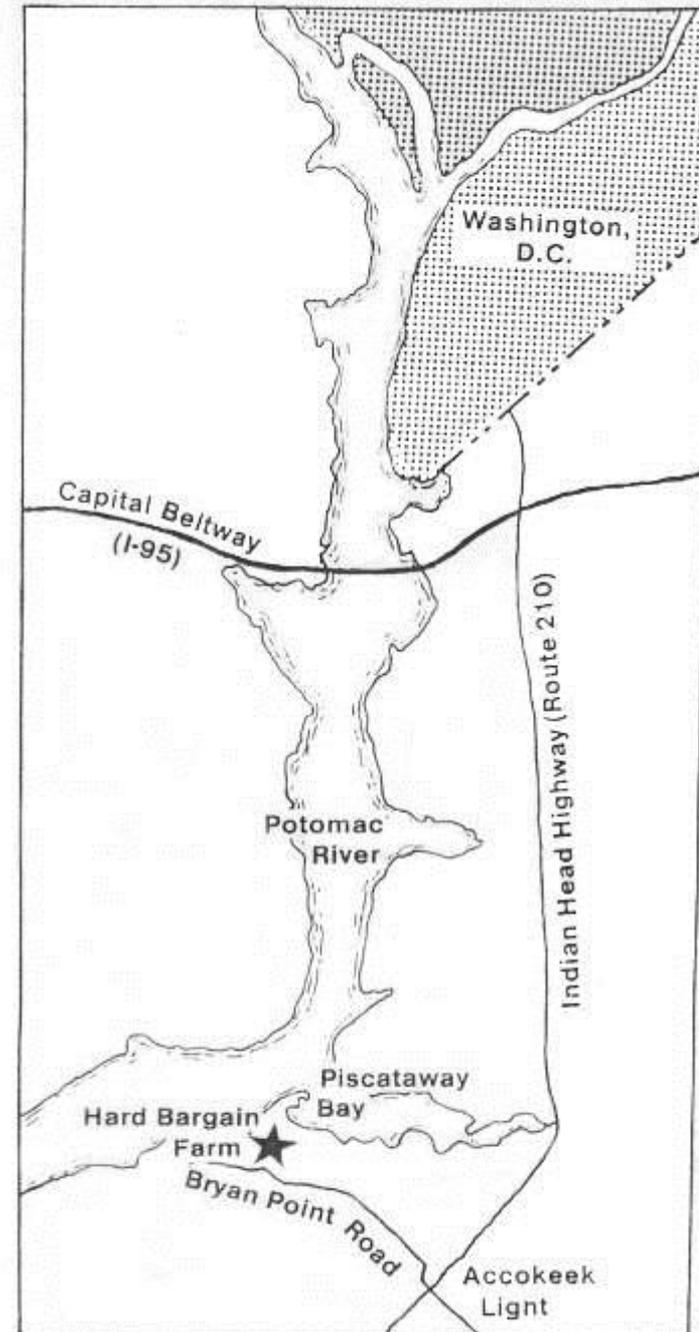
Education. Inspiration. Innovation.

Where is Alice Ferguson Foundation?



330-acre working farm
along the Potomac

Accokeek, Maryland
Prince George's County



Mission

To connect people to the natural world,
sustainable agricultural practices and the
cultural heritage of their local watershed
through education, stewardship and
advocacy



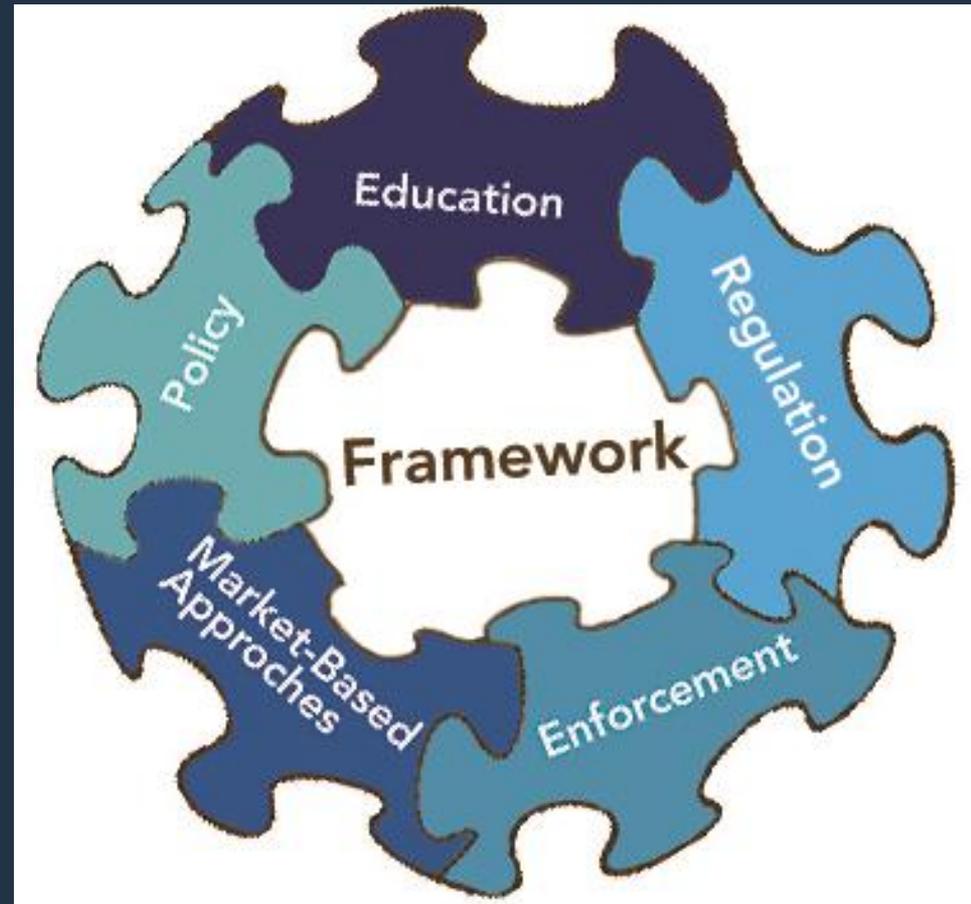
Core Programs

- Hard Bargain Farm Environmental Center
- Bridging the Watershed
- Trash Free Potomac Watershed Initiative



Trash Free Potomac Watershed Initiative

The Trash Initiative works to put the institutions, infrastructures, and policies in place to create a lasting reduction of trash in the Potomac Watershed.



POTOMAC CLEANUP

Watershed Wide Results

2015 Results

- 13,163 Volunteers
- 236 Cleanup Sites
- 5 States Participated
- 447,442 lbs of Trash



Potomac Watershed Study Center



A Living Building



A Living Building actively contributes to the health and vitality of the natural systems that support life, human culture, and our economy.

THE METAPHOR OF THE FLOWER

ROOTED IN PLACE AND YET:

Harvests all energy + water

Is adapted to climate and site

Operates pollution free

Is comprised of integrated systems

Is beautiful



Key Requirements

- **Net Zero Energy**
- **Net Zero Water**
- **Carbon Neutral**
- **Nontoxic & Nonpolluting**



Potomac Watershed Study Center

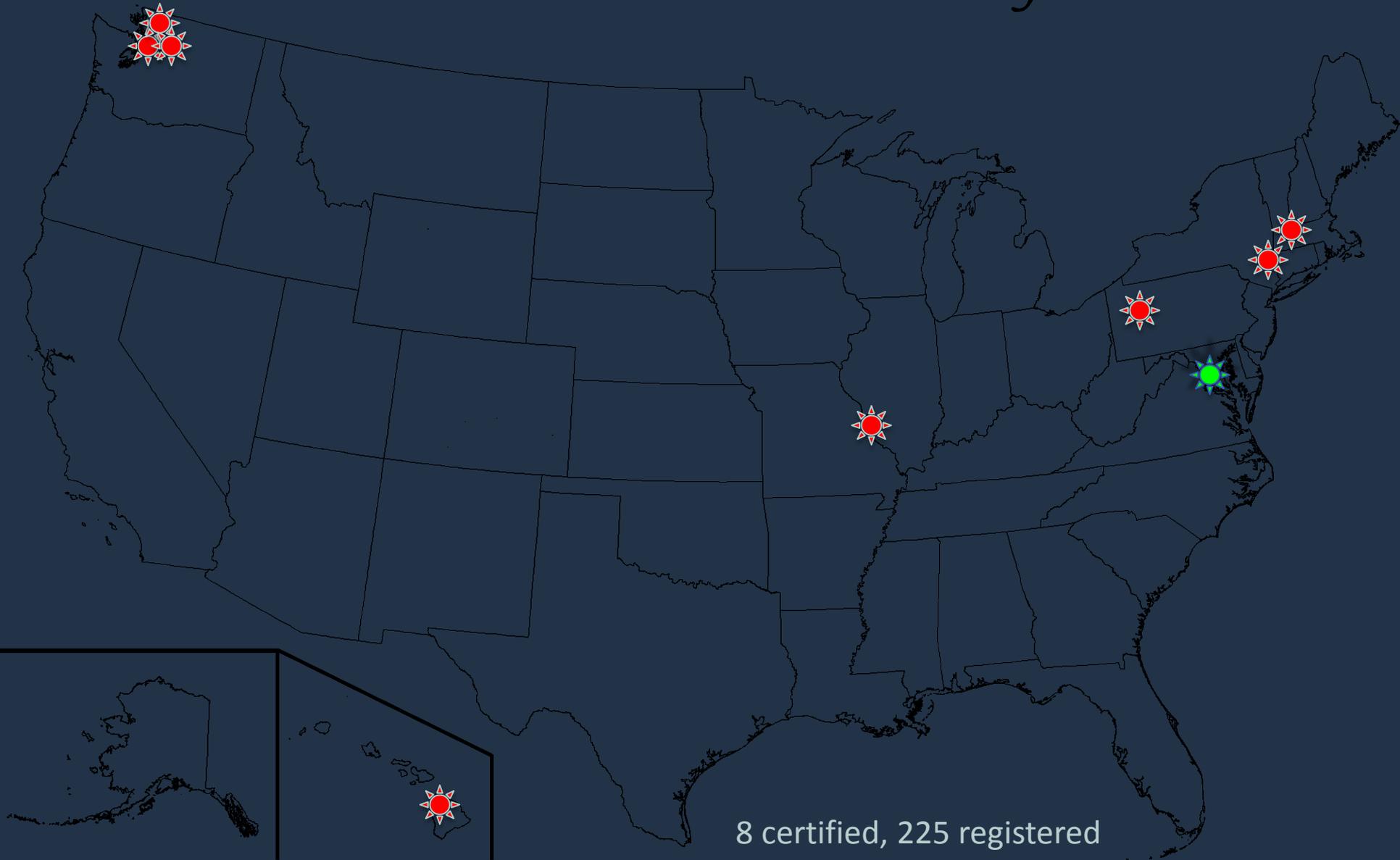
PWSC: A NATIONAL SOLUTION

POTABLE RAINWATER CAPTURE PARTNERSHIP:

- Alice Ferguson Foundation
- U.S. EPA
- Maryland Department of Environment
- Pennsylvania Department of Environment
- Stroud Water Research Center

Research water quality issues and develop protocols for the use of captured rainwater as a source of potable water for community water systems nationally

Certified Living Building Projects



8 certified, 225 registered



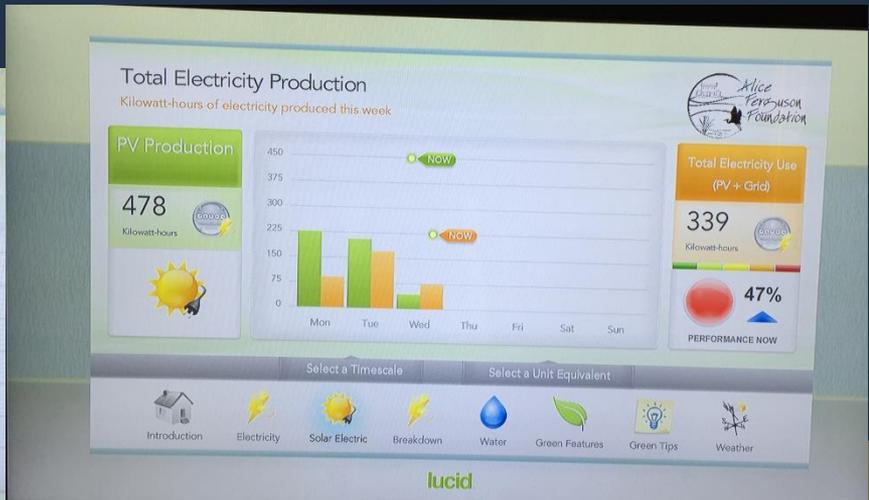
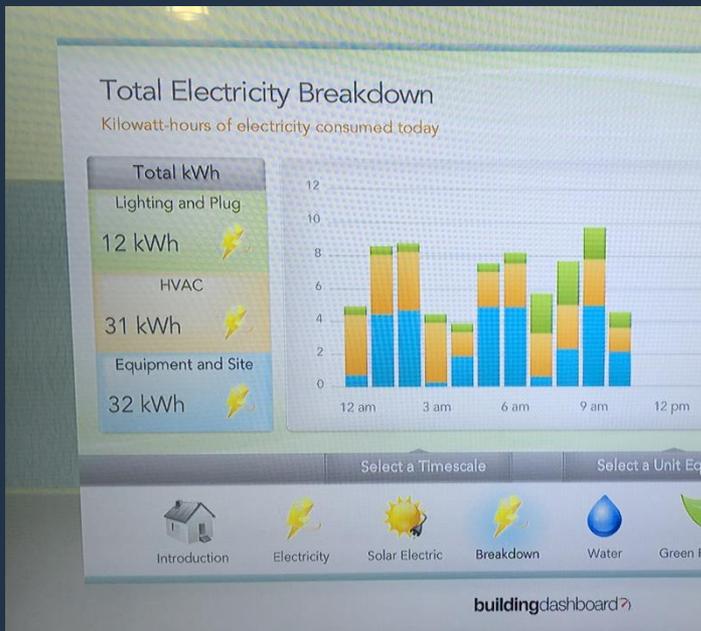
Design Optimization



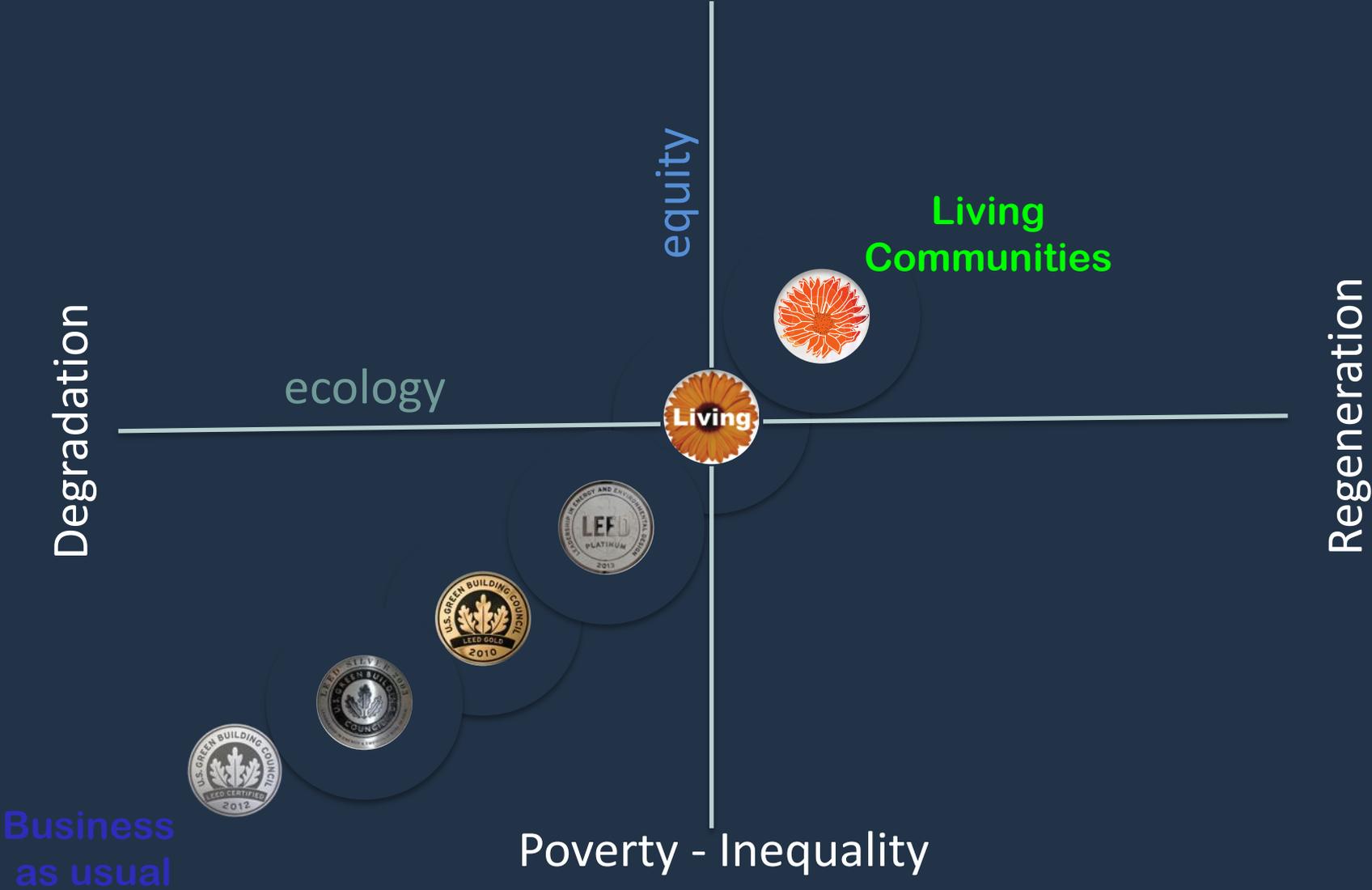
Energy Target

User Optimization

Buildings as Teaching Tools



Functional democracy - Community wealth





SCALE JUMPING

A young girl in a black and white striped shirt and a child in a white hijab are walking on a curved, gridded walkway over water. The walkway is made of dark, parallel lines that curve around the water. The water is dark and reflects the light, creating a shimmering effect. The girl is in the foreground, looking towards the child. The child is slightly behind her, looking down. The background shows the continuation of the walkway and the water.

NOW IS THE RIGHT TIME FOR A WORLD OF LIVING COMMUNITIES



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