OUR MISSION

Scenic Hudson preserves land and farms and creates parks that connect people with the inspirational power of the Hudson River, while fighting threats to the river and natural resources that are the foundation of the valley’s prosperity.
"I skate to where the puck is going to be, not where it has been."

-- Wayne Gretzky
Response to Sea Level Rise

• Long, slow process
  Good news – time to respond and plan
  Bad news – humans tend to respond to threats that are immediate

Daniel Gilbert – Harvard Professor of Psychology
Resilience:
The ability to plan for, withstand, and recover from severe events – without suffering permanent loss of functions, devastating damage, reduced productivity or diminished quality of life.
MITIGATION VS. ADAPTATION

- **Mitigation:** Attempts to slow the process of global climate change, usually by lowering the level of greenhouse gases in the atmosphere.

- **Adaptation:** Developing ways to protect people and places by reducing their vulnerability to climate impacts.
GET AHEAD OF THE CURVE

› How can we reduce risks to people, property and nature?
› How can we help people and the estuary adapt to changing conditions?

“Manage the unavoidable, and avoid the unmanageable”
- Rip Rapson
Transportation

Hybrid/Electric Vehicles

Bicycling

Public Transportation

Mitigation
Energy

Energy Efficient Appliances

Alternative Energy

Green Building Practices

Mitigation
Agriculture and Forests

Organic Farming

Stopping Deforestation

Buy Local
Adaptation: Fortification

Keep floodwaters out of contact of structures

Adaptation: Accommodation

Reduce the impact of contact with floodwaters and decrease the recovery effort after flooding.

Adaptation: Relocation

Moving structures to avoid contact with floodwater.
Adaptation

FORTIFICATION: Keep floodwaters out of contact of structures

Sea Wall in Troy, NY

Levee

Living Shoreline

www.nyc.gov/uwas

www.nyc.gov/uwas

Army Corps of Engineers proposed sea barriers in the Hudson River Harbor.
ACCOMODATION:
Reduce the impact of contact with floodwaters and decrease the recovery effort after flooding.

Images Source: www.nyc.gov/uwas
RELOCATION:
Moving structures to avoid contact with floodwater.

http://www.nyc.gov/uwas
Thinking About Habitats

5,000 years ago

- Wetland migration potential where there is vacant land

Today

- Complete wetland loss where shoreline is hardened

Future

Adaptation
Case Study: Kingston, NY

What to do with the Kingston Waterfront?

Kingston Waterfront Flooding Task Force
Group of concerned citizens and organizations met to assess the risks and make recommendations

Case Study: Kingston, NY
Came up with 24 recommendations for resiliency taking into consideration:

- Vision for the city
- Health and safety
- Vulnerability of different areas/assets
- Need to act in the short or long term
- Value of asset
- Cost of adaptation strategy

Case Study: Kingston, NY
Kingston Task Force Recommendations Included:

- Mitigation
- Adaptation
- Education