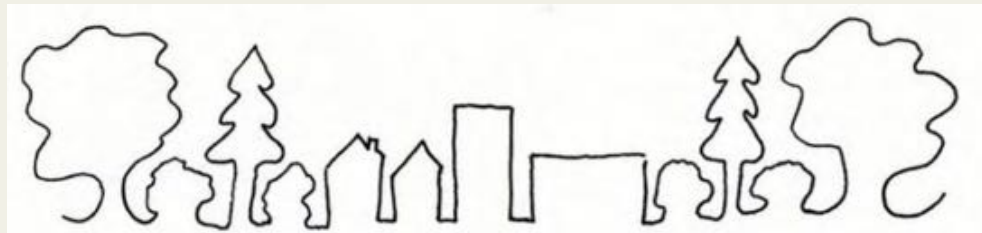# ROCKLAND P.L.U.S PLANNING LAND USE WITH STUDENTS

Visit #2

Considering Your Community & Important Planning Elements

Hudson Valley Economic Development District Goals.
Two Repeating Foci: Economics & Reducing GHGs

GOAL 1: Support projects that:
- Promote sustainable **economic development**
- **Reduce greenhouse gas emissions**
- **Create & retain jobs**

GOAL 2: Support regional alliances & initiatives that:
- Promote sustainable **economic development**,
- **Job creation & retention**
- Enhance the climate for **economic development through partnerships**

GOAL 3: Promote inter-county cooperation & efficiencies in the key environmental areas of:
- **Materials management**
- **Green infrastructure**
- Water quality

GOAL 4: Encourage regional dialogue on:
- Disaster preparedness
- **Economic resilience**

(New York State Energy Research & Development Authority)
NYSERDA Designated: [Clean Energy Communities]

How Does Rockland Stack Up?

With some planning we could do better.

454 Participating Communities

209 Designated Communities

1,255 Actions Completed
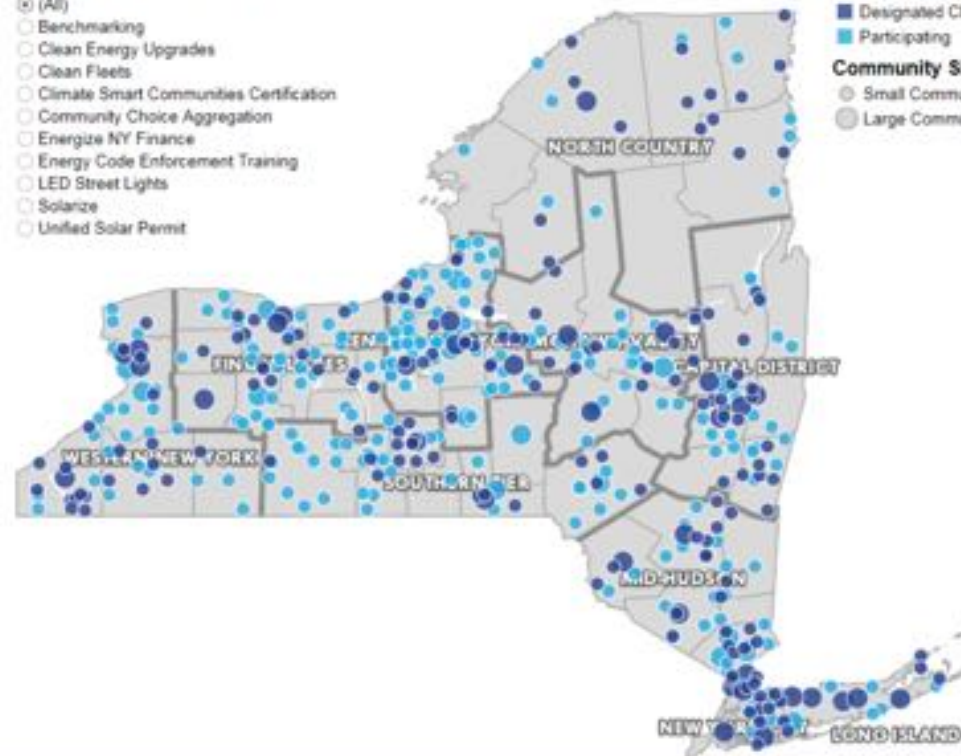
Filter by High Impact Action
- (All)
- Benchmarking
- Clean Energy Upgrades
- Clean Fleets
- Climate Smart Communities Certification
- Community Choice Aggregation
- Energize NY Finance
- Energy Code Enforcement Training
- LED Street Lights
- Solarize
- Unified Solar Permit

Designation Status
- Designated CEC
- Participating

Community Size
- Small Community
- Large Community

Rockland Communities Making the NYSERDA Clean Energy Map

Village of Piermont
Population (2010): 2,510
CEC Status: **Participating**

2 High Impact Actions Have Been Completed, Including:
-Energy Code Enforcement Training
-Benchmarking

Village of Nyack
Population (2010): 6,765
CEC Status: **Participating**

3 High Impact Actions Have Been Completed, Including:
-Unified Solar Permit
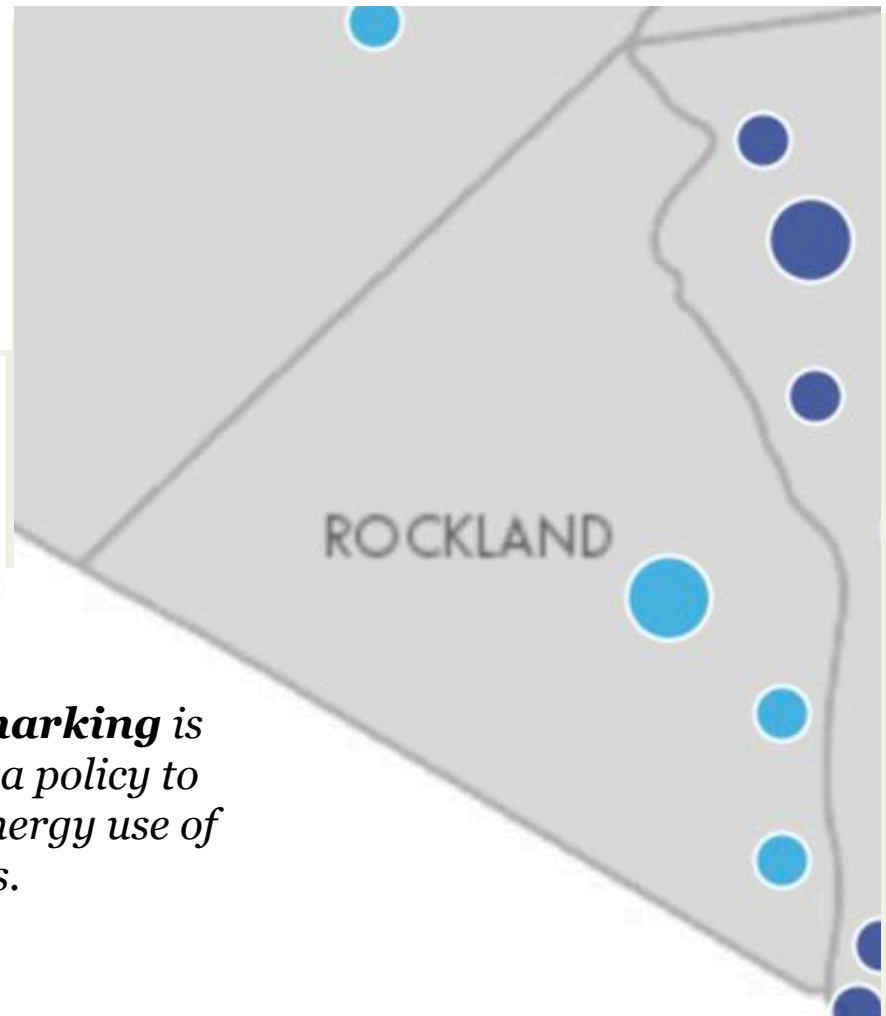-Clean Fleets
-Benchmarking

Town of Clarkstown
Population (2010): 84,187
CEC Status: **Participating**

1 High Impact Action Has Been Completed:
-LED Street Lights

ROCKLAND

***Benchmarking** is to adopt a policy to report energy use of buildings.*

Creating change through planning

Permeable Pavement

Vegetation Islands for 'run on'

Improved water absorption using plant buffers in parking areas & streetscapes

Creating change through planning

Rain Barrels

Green Roofs

Rain Gardens

Maintaining Original Trees & Shrubs

Creating change through planning

Encourage reduced energy use!

Solar to fuel our homes & businesses!

CARPOOL & HYBRID PARKING

Spaces that are walkable, bikeable, and encourage fuel conservation!

Natural sunlight!

Conserving energy through up front planning

Creating change through planning
Consider the Community Benefits of Nature

- Vegetation and natural areas:
  - Provide habitat
  - Reduce polluted runoff
  - Clean the air
  - Cool the air
- More singing birds & plants leads personally to less:
  - Depression
  - Anxiety
  - Stress
- Fewer emergency asthma attacks
- Reduction in crime and violence

Creating change through planning: Examples

http:/www.tinydiner.com

Tiny Construction

Creating change through planning:
Examples

Student Built Tiny Construction at Irvington H.S.

Creating change through planning: Examples

Photo Google Maps

Repurposing for New Uses: The Filling Station & The Market, Rte. 9, Palisades

Creating change through planning: Examples

https://building.agu.org/about-the-project/net-zero-design/

Net Zero Design
- Reduction
- Reclamation
- Absorption
- Generation

Net Zero Building, AGU Science Organization in D.C.

Creating change through planning: Examples

Bus from Adelaide, Australia

(L) Bus Rapid Transit Design (R) 1ˢᵗ Solar Electric Bus

Creating change through planning: Examples

Amphibious House near Marlow, River Thames, U.K.

Resting Position

Flood Event

Resilient waterfront design