

# Sustainable Jersey

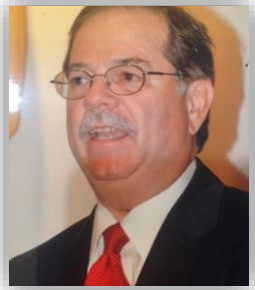
## Lessons from the Field: EDF Climate Corps Fellow Document Municipal and Schools Progress in Sustainable Jersey

August 11, 2015



# Presenters

Gary Fournier,  
Energy Director  
Sustainability Institute  
At TCNJ/Sustainable Jersey



Anne-Marie Peracchio,  
Director, Conservation  
and Affordability,  
New Jersey Natural Gas



Nana Abayie Boakye Boaten  
EDF Fellow



Mine Hill School District (1)  
Boonton Twp (3)  
Boonton School District (1)



Chris Lavallee  
EDF Fellow

Tom's River Twp (4)  
Brick School District (12)  
Manchester Twp (6)



Erin McNichol, EDF Fellow

Howell School District (17)

Howell Township (26)



# Sustainable Jersey & Sustainable Jersey for Schools

“ This unique opportunity helps the host Communities and School Districts & Schools bridge the gap between available resources and energy-efficiency initiatives. ”



## Schools

- 59 Certified
  - 204 Districts
  - 501 Schools



## Municipalities

- 437 (78%) NJ municipalities participating
- 88% of NJ's population lives in these communities
- 193 municipalities certified:
  - 160 towns at bronze level
  - 33 towns at silver level



# Overview of Today's Webinar

- Sustainable Jersey Programs
- New Jersey Natural Gas
- Goals of the EDF Fellowship
- Highlights from the Field
- Lessons Learned
- Questions & Answers
- Upcoming Events



# SAFE, RELIABLE NATURAL GAS AT OUR CORE ... AND SO MUCH MORE



## Sustainable Jersey EDF Climate Corp Webinar

Anne-Marie Peracchio  
Director Conservation & Clean Energy





# The SAVEGREEN Project®

- Launched in September 2009
- Energy-efficiency rebates and incentives
  - Help our customers save money
  - Support state policy
  - Benefit the environment
- Designed to complement New Jersey's Clean Energy Program™ (NJCEP)



# NJNG Connections to Sustainable Jersey

- Financial Support
  - Platinum Sponsor for Municipal Program
  - Founding Sponsor for Schools Program
- Technical Support
  - Participate on Task Forces
- Resources for SJ Green Teams
  - Supplemental incentives for your own facilities
  - Work together on outreach to residents and businesses
- Partner on Programs
  - PowerSave School Program
  - Environmental Defense Fund Climate Corp

# Commercial Incentives

- Potential for 0% financing for your projects
  - Balance on NJCEP Direct Install Projects
  - Some NJCEP Smart Start equipment
  - Repaid through NJNG bill
- Features available for businesses too
  - Reach out if you are working on SJ Direct Install Action
- Request assistance at in-person meetings
- Call with any questions or to learn more
  - Jerry Ryan (732) 378-4920/ [jryan@njng.com](mailto:jryan@njng.com)



# Residential Incentives

- Share info to make upgrades more accessible
  - Supplemental rebates for high efficiency HVAC equipment
  - Access to 0% financing
    - For Home Performance with ENERGYSTAR® (HPwES) and some HVAC projects
  - Online resources to help residents understand their energy usage
- Many ways we can help
  - Pursuing the SJ HPwES action or green challenges
  - Participation in events
  - Content for website and newsletters
  - Special limited time programs (e.g. Video and Poster Contest)
- Learn more today
  - Contact Raquel Phillips at (732) 378-4928/ [rphillips@njng.com](mailto:rphillips@njng.com)

# Goals of the EDF Fellowship

- Start and Complete SJ Energy Actions
- Identify energy efficiency opportunities
- Provide feedback and recommendations on SJ program from the field

PROSPERITY	ENERGY EFFICIENCY	POINTS
	Energy Audit*	(5-20)
	Building Efficiency Measures*	(5-30)
	Energy Tracking & Management	(5-20)
	Sustainable Energy Transition Plan	(10-20)

PLANET	CLIMATE MITIGATION & RENEWABLE ENERGY	POINTS
	School Carbon Footprint*	10
	On-site Renewable Generation System-Solar	(5-40)
	On-site Renewable Generation System-Geothermal	10
	Buy Renewable Electricity	10
	Collaborate with Municipality on Government Energy Aggregation Program	10



# Priorities of the EDF Fellowship

1. Benchmark energy consumption
2. Recommendation roadmap for SJ points
3. Conduct energy audit through NJCEP
4. Identify building efficiency measures
5. Complete documentation for SJ actions



# Highlights from the Field-2016



# Morris County

Energy Benchmarking and Energy Tracking and Management Systems.

Carbon Footprint Calculations for Canfield Avenue and Rockaway Valley Schools, and Boonton Township.

Home Performance with Energy Star (HPwES) action for Boonton Township.





# Morris County

## Recommended Building Efficiency Measures

### Canfield Avenue School:

1. Installation of 5 kW Wind System (Vertical Axis Wind Turbine).
2. Installation of 31 remote mounted occupancy sensors.

Potential Energy Savings: 23,505 kWh (**4% of Energy Consumption**).

### Rockaway Valley School:

1. Lighting Upgrades from fluorescent to LEDs.
2. Installation of 36 remote mounted occupancy sensors.
3. Upgrade of 8 Exit signs to LEDs.

Potential Energy Savings: 269,051 kWh (**64% of Energy Consumption**).



# Howell Township



- Bronze to Silver
- LGEA
- Energy Savings Improvement Program
- Estimated savings:
  - \$3.2 million - 34% ↓
  - 14.6 million kWh
  - 11,971 Metric Tons CO<sub>2</sub>



# Howell School District

- Green Team
- Power Save Schools
- Energy Savings Improvement Program
- Estimated savings:
  - \$12.1 million - 27-30%
  - 54.3 million kWh
  - 53,968 Metric Tons CO<sub>2</sub>



# Ocean County

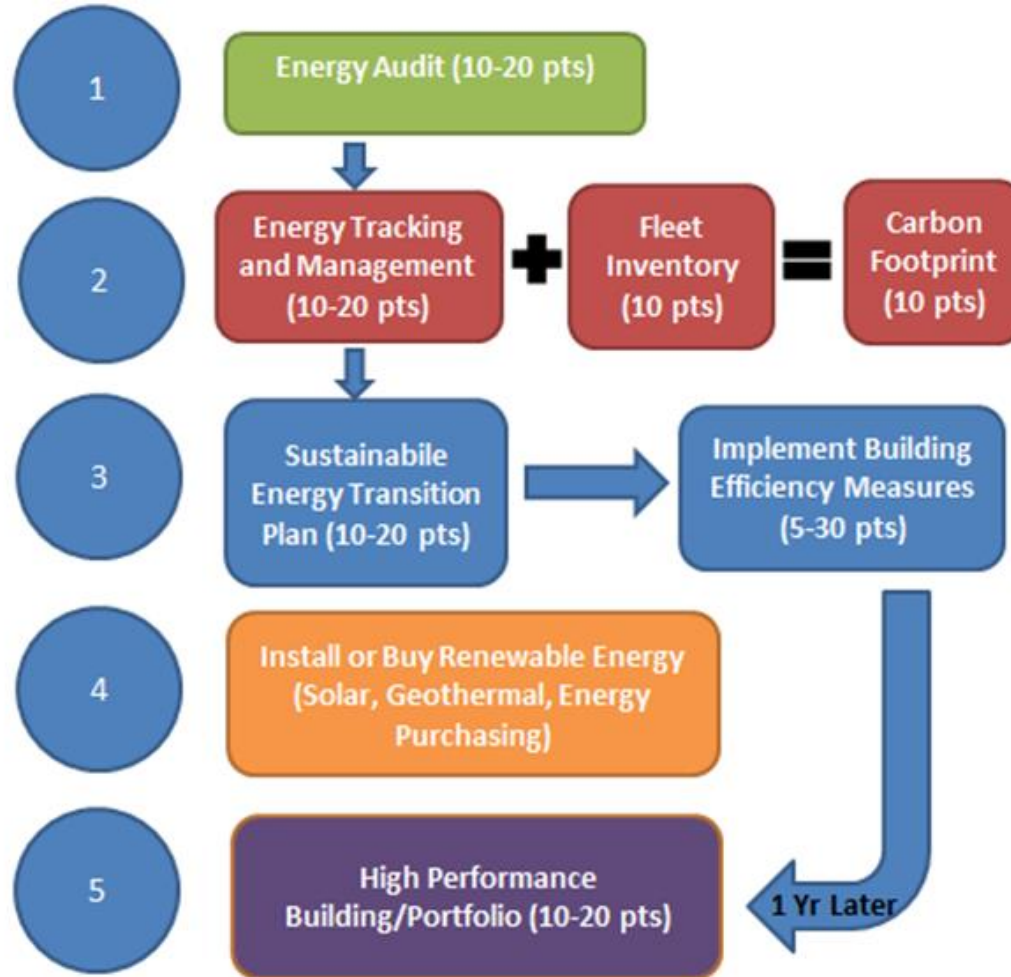
- LGEAs for Tom's River and Manchester Townships
- Green Teams for Brick School District and individual schools
- PowerSave Schools grants for two Brick schools
- Guide for SJ Points in Energy



**Brick Township  
Public Schools**



# Creation of an Energy Guide





# Lessons Learned



# Lessons Learned

- Finding out the key players
- Forming a green team
- Sustainable professional development for staff
- Encourage energy tracking going forward
- Mapping out programs
- Communicating success stories



# Questions and Answers



## Applying for the Sustainable Jersey Solar Challenge Informal Q&A Webinar

**August 16, 2017: 1:00-2:00 PM**

**[REGISTER](#)**

Join us for an informal Q&A style webinar to answer your questions about participating in the Sustainable Jersey Solar Challenge. We'll go over the application process and help you understand how your local Solar Challenge team can deliver a successful campaign. We will answer questions about the customizable marketing materials that local Solar Challenge teams can use in their community outreach and help with questions about the customer experience of online shopping for a solar system, including financing options, solar technology, and the benefits of solar for your community. Speakers will include Sustainable Jersey staff and representatives from EnergySage.



## 2016 Sustainable Jersey Small Grants for Energy Projects funded by Gardinier

**August 31, 2016: 1:00-2:00 PM**

**[REGISTER](#)**

This webinar will offer a short overview of grant eligibility and submission requirements. It will also provide a preview of the online application form, and answer participants' questions regarding this new source of funding.

Consistent with the Gardinier Environmental Fund's mission, these grants will fund energy projects focused on conservation, efficiency, and renewable energy including building efficiency upgrades, alternative vehicle fueling and charging stations, energy education and outreach, energy resiliency, solar energy installations, studies and engineering, and innovative energy initiatives. They are open to both municipalities and schools.





## WEBINAR FOR SCHOOLS AND DISTRICTS ONLY:

### Fall 2016 Small Grants Application for Registered Schools and Districts, funded by NJEA

September 14, 2016: 3:00-4:00 PM

[REGISTER](#)

School districts and schools registered with Sustainable Jersey for Schools are eligible to apply for ten \$10,000 and forty \$2,000 grants to support implementation of projects that help gain points needed for Sustainable Jersey for Schools certification and make progress toward a sustainable future. These grants are funded by NJEA. Webinar participants will walk through the essentials of the online Sustainable Jersey for Schools Small Grant application process. Applications are due October 30th.



- **VISIT US AT THE AT THE NJ SCHOOL BOARDS ASSOCIATION “WORKSHOP 2016” (October 25-27, 2016) and the NJEA CONVENTION (November 10-11, 2016).** We will be exhibiting and speaking at both.
- **VISIT US AT THE NEW JERSEY LEAGUE OF MUNICIPALITIES CONFERENCE – November 15-17, 2016.** The Sustainable Jersey Awards Luncheon is on November 15, 2016. Sustainable Jersey has 9 sessions at the NJLM Conference. For more information, click [here](#):
- ***CHECK THE [SUSTAINABLE JERSEY CALENDAR](#) and [THE SUSTAINABLE JERSEY FOR SCHOOLS CALENDAR](#) ON OUR WEBSITES FOR FURTHER DETAILS AND MORE INFORMATION ON UPCOMING EVENTS or to REGISTER FOR EVENTS! Learn about regional hub events, co-sponsored events, and events where Sustainable Jersey is speaking, as well as events of interest to municipal green teams. You can also follow us on [Facebook](#).***



# Questions and Answers



# Contacts

## Sustainable Jersey:

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## To Host An EDF Climate Corps Fellow:

EDF Climate Corps Website:  
[Edfclimatecorps.com](http://Edfclimatecorps.com)

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# Sustainable Jersey & Sustainable Jersey for Schools

Thank You!

