

Sustainable Communities Partnership Program

**Montclair State Students
Serving New Jersey's Communities
in Partnership with Sustainable Jersey**



Montclair State University
PSEG Institute for Sustainability Studies

Housekeeping

Zoom Meeting

- Please mute your audio until the Q&A period at the end of the presentation.
- Chat with other attendees in the chat box or enter questions to be answered by the panelists.
- We are providing a live transcript of today's presentation. If you are not already seeing the transcript as I'm speaking, you will have to enable that option by clicking the "Live Transcript" button and then "enable transcript".

Presentation Posting

- Presentation & recording will be posted on the SJ website here: Resources - Presentations - Webinars - Certification & Recertification

<https://www.sustainablejersey.com/resources/presentations/webinars/#c3597>

Overview

- Pilot program in partnership with the PSEG Institute for Sustainability Studies (PSEG ISS) at Montclair State University (MSU)
- Match upper-level students with Sustainable Jersey (SJ) participating municipalities that need help completing specific [SJ actions](#)
- Excellent opportunity to target **priority actions** or others that require research, data collection/analysis, and marketing skills.

ACTIONS FOR SUSTAINABLE COMMUNITIES		
To become Sustainable Jersey Certified, municipalities must complete and document actions from this list.		
SELECT	Mandatory Green Team 2 out of 13 PRIORITY ACTIONS* 100 points across 6 of 18 categories.	
CHOOSE	Mandatory Green Team 3 out of 13 PRIORITY ACTIONS* 350 points across 8 of 18 categories.	
Certified communities can earn stars for high levels of achievement in Energy, Health and Water. The stars they identify which actions can contribute towards earning a star.		
Action	Stars	Points
ANIMALS IN THE COMMUNITY		
Animals in the Community Education		10
Companion Animal Management Pledge		5
Companion Animal Management Plan		10
Enhanced Licensing Compliance		5 to 10
Pledge Supporting NJ Wildlife Action Plan		10
Wildlife Interaction Plan		10
ARTS & CREATIVE CULTURE		
Establish a Creative Team		10
Creative Assets Inventory		10
Creative Placemaking Plan		10
Municipal Commitments to Support Arts and Creative Culture	♥	5 to 25
Utilizing Your Creative Assets		10 to 30
BROWNFIELDS		
Brownfields Inventory & Prioritization	♥	10 to 15
Brownfields Reuse Planning	♥	5 to 15
Brownfields Marketing	♥	10
Brownfields Assessment and Investigation	♥	5 to 30
COMMUNITY PARTNERSHIP & OUTREACH		
Create Green Team - MANDATORY		10
Community Education & Outreach	♥	5 to 20
Green Challenges	♥	10
Hold a Green Fair	♥	10
"Green" Your Green Fair	♥	10
DIVERSITY & EQUITY		
Diversity on Boards & Commissions*	♥	10
Energy Assistance Outreach	♥	10 to 20
Environmental Justice in Planning & Zoning	♥	10
Lead Education & Outreach Programs	♥	5 to 15
EMERGENCY MANAGEMENT & RESILIENCY		
Climate Adaptation: Flooding Risk*	♥	20
Coastal Vulnerability Assessment	♥	20
Extreme Temperature Event Plan	♥	10
ENERGY		
Energy Efficiency for Municipal Facilities*		5 to 50
Energy Tracking & Management*		10 to 20
Buy Electricity from a Renewable Source		10
Municipal On-Site Solar System		10 to 40
Municipal Geothermal Energy System		10
Municipal Wind Energy System		10
Renewable Government Energy Aggregation	↑	5 to 50
Commercial Energy Efficiency Outreach	↑	10 to 20
Residential Energy Efficiency Outreach	↑	10 to 20
Make Your Town Solar Friendly	↑	15 to 30
Municipality Supported Community Solar	↑	15 to 25
Community-Led Solar Initiatives	↑	5 to 15
Wind Ordinance		10
Fleet Inventory*		
Meet Target for Green Fleets	♥	30
Purchase Alternative Fuel Vehicles	♥	5 to 15
Public Electric Vehicle Charging Infrastructure	↑	15
Electric Vehicle Community Outreach	↑	10 to 15
Make Your Town Electric Vehicle Friendly	↑	15
FOOD		
Farmstead Preservation Plans	♥	10
Community Food Pantry/Bank & Soup Kitchen	♥	10 to 15
Community Gardens	♥	10 to 20
Expanded Supplemental Food Programs	♥	10 to 20
Buy Fresh By Local Programs	♥	10
Farmers Markets	♥	10 to 15
GREEN DESIGN		
Green Building Policy/Resolution		5
Green Building Training		5
Create Green Development Checklist		10
Green Building Education		5
New Construction		20
Upgrade/Retrofits - Light Pollution		10
Upgrade/Retrofits - Water Conservation		10
HEALTH & WELLNESS		
Anti-tobacco Education & Enforcement Program	♥	10
Best Practices for Local Boards of Health	♥	5 to 10
Building Healthier Communities	♥	5 to 25

To learn more visit www.SustainableJersey.com

How It Works

- Municipal green teams identify specific actions they would like to pursue and submit an [online application](#).
- Based on the action(s), a student with related coursework and/or experience will be assigned to the municipality.
- Depending upon their program of study, the student commits to approximately 80 - 100 hours of time in the February - April 2022 timeframe to make progress on the action(s) under the guidance of their instructor and an assigned municipal contact.

2022 Certification Cycle Timeline

May 22	Initial application deadline
Early-July	First round review comments provided
August 28*	Revision deadline to be eligible for recognition at the 2022 Sustainable Jersey Luncheon during NJLM Conference
Early-October	Second round review comments provided
November 20	FINAL application deadline
Mid-December	Final decision on pending applications

View [2022 Certification Cycle website page](#) for more details

Montclair State University

PSEG Institute for Sustainability Studies



Amy R. Tuininga, PhD
Director

- Green Teams Program
- Sustainability Ambassadors
- Work to Succeed
- Research
- Education
- The Re-Fresh Podcast

Montclair State University

PSEG Institute for Sustainability Studies

Sustainable Public Service

Overall Objectives

- Engage upper level Montclair State students in local sustainability projects
- Partnership with Sustainable Jersey to provide municipalities with help completing Sustainable Jersey actions



Montclair State University
PSEG Institute for Sustainability Studies

Montclair State Student Education

Montclair State students come from several degree programs, for example:

Arts

Biology

Business

Chemistry

Communications

Mathematics

Sustainability Science

Sociology



Montclair State University
PSEG Institute for Sustainability Studies



Montclair State Student Experience

Montclair - Students participated in the creation of the Montclair Green Business Program by creating the logo, promotional material and the registration of local businesses.



Montclair State Student Experience

Jersey City - Over several years the Green Teams worked on some of the following projects:

- Mapped & analyzed Jersey City's trees
- Estimated the tree's carbon sequestration and developed a plan to improve the City's tree canopy
- Conducted a Fleet Inventory
- Climate Inventory and Action Plan



Montclair State Student Experience

The City of Newark's Green Team - Created promotional and outreach materials to support Newark's Sustainability Action plan.

Materials included:

- Idle-free Newark program
- Food policy
- Parks
- Energy
- Waste reduction



Montclair State Student Experience

NJNG Municipalities - Ocean Grove, Holmdel and Point Pleasant Beach

A Green Team helped each municipality by developing materials to support their efforts to achieve the **Residential Energy Efficiency Outreach Action**

ENERGY SAVING TIPS

SIMPLE STEPS WITH HUGE IMPACT



SEAL LEAKY AIR DUCTS

Leaky ducts may compromise your HVAC system's effectiveness by up to 20%. Seal and insulate ducts to increase efficiency and lower energy bills, paying for itself in energy savings. Plus your HVAC system won't have to work as hard.

INSULATE THE OPENING OF YOUR ATTIC

Your attic entrance can make a big hole in your energy budget. This energy loss not only costs you money, it can also make your home uncomfortable - creating drafts and uneven temperatures. Insulate and seal your attic entrance. Up for a DIY project? Build a box of foam board that sits over the attic hatch. You can also buy a pre-made kit.



CLEAN OR REPLACE YOUR FILTERS

Help your equipment operate at maximum capacity. Remember to inspect, clean or change your air filters for your HVAC equipment once per month. Set a reminder in your calendar.

SIZE YOUR HVAC SYSTEM RIGHT

Bigger isn't always better. When buying an HVAC system, ensure it's sized properly for the space. Oversized equipment may cycle on and off more often, providing poor indoor air quality, inadequate comfort and higher energy bills.



Find out how to save up to 30% on your energy bills with a \$49 home energy analysis from The SAVEGREEN Project® from New Jersey Natural Gas.



Certification Requirements




- Total of at least 150 points
- Mandatory Green Team
- Implement **2** of 13 **priority actions**
- Actions completed in **6** of 18 **categories**



- Total of at least 350 points
- Mandatory Green Team
- Implement 3 of 13 priority actions
- Actions completed in **8** of 18 **categories**

Actions to Consider: Priority Actions







<u>Action</u>	<u>Points</u>
Diversity on Boards & Commissions 	10
Fleet Inventory	10
Green Business Recognition Program	10-20
Municipal Carbon Footprint	10
Recycling and Waste Reduction Education & Compliance	15-20

View detailed descriptions on [Actions](#) page

Actions that contribute to a Gold Star in Energy  Health  Water 

Learn more: <https://www.sustainablejersey.com/actions/gold-star-standards/>

Other Actions to Consider

<u>Action</u>	<u>Category</u>	<u>Points</u>
Wildlife Interaction Plan	Animals in the Community	10
Creative Assets Inventory	Arts & Creative Culture	10
Brownfields Inventory & Prioritization 	Brownfields	10-15
Community Education & Outreach	Community Partnership & Outreach	5-20
Green Challenges	Community Partnership & Outreach	10
Heat Island Assessment 	Emergency Management & Resiliency	10
Buy Fresh Buy Local Programs 	Food	10
Lead Blood Screening Campaign 	Health & Wellness	5-20
Private Well Outreach and Testing  	Health & Wellness	10-25
Support Local Businesses	Local Economies	10
Community Asset Mapping	Sustainability & Climate Planning	10

View detailed descriptions on [Actions](#) page

Energy 

Health 

Water 

Tips for Action Selection

- Priority action(s) needed?
- Additional action category(ies) needed?
- Municipal staff support available to assist student?
- Community education & outreach component?
- Working on a Gold Star?
- Something that your green team always wanted to pursue but didn't have the the resources to do it?

Timeline for Pilot Program

January 7	Opportunity Announced
January 18	Information Session
January 31	Application Deadline <i>PSEG ISS will begin matching students to municipal requests as they are received. Every effort will be made to fulfill all requests. However, placement is not guaranteed and will depend on the number of requests, actions selected, and student availability.</i>
February - April 30	Students work on projects in partnership with municipalities
May 12	Semester Ends

2022 Sustainable Jersey Certification Application Deadline: May 22

Protocol

1. Fill out application
2. Get matched to student
3. Decide modality - Students can meet in person or virtually
4. Work with student to provide information, data or other resources
5. Student will update municipality liaison at least 1 time per week
6. Professors will oversee project, mentor student, and provide evaluation - varies by program

Thank You!

For more information contact:

Montclair State

Tirzah Mills

psegiss@montclair.edu

(973) 655-4498

Sustainable Jersey

Maureen Jones

info@sustainablejersey.com

(609) 771-2938

Register for the Program here:

bit.ly/SustainablePublicServiceMunicipality



Montclair State University

PSEG Institute for Sustainability Studies