Tech Helps Build Communities

How Sustainable Jersey can help your town achieve its sustainability goals through technology.

PIE Technology Assessment

Justin Heyman

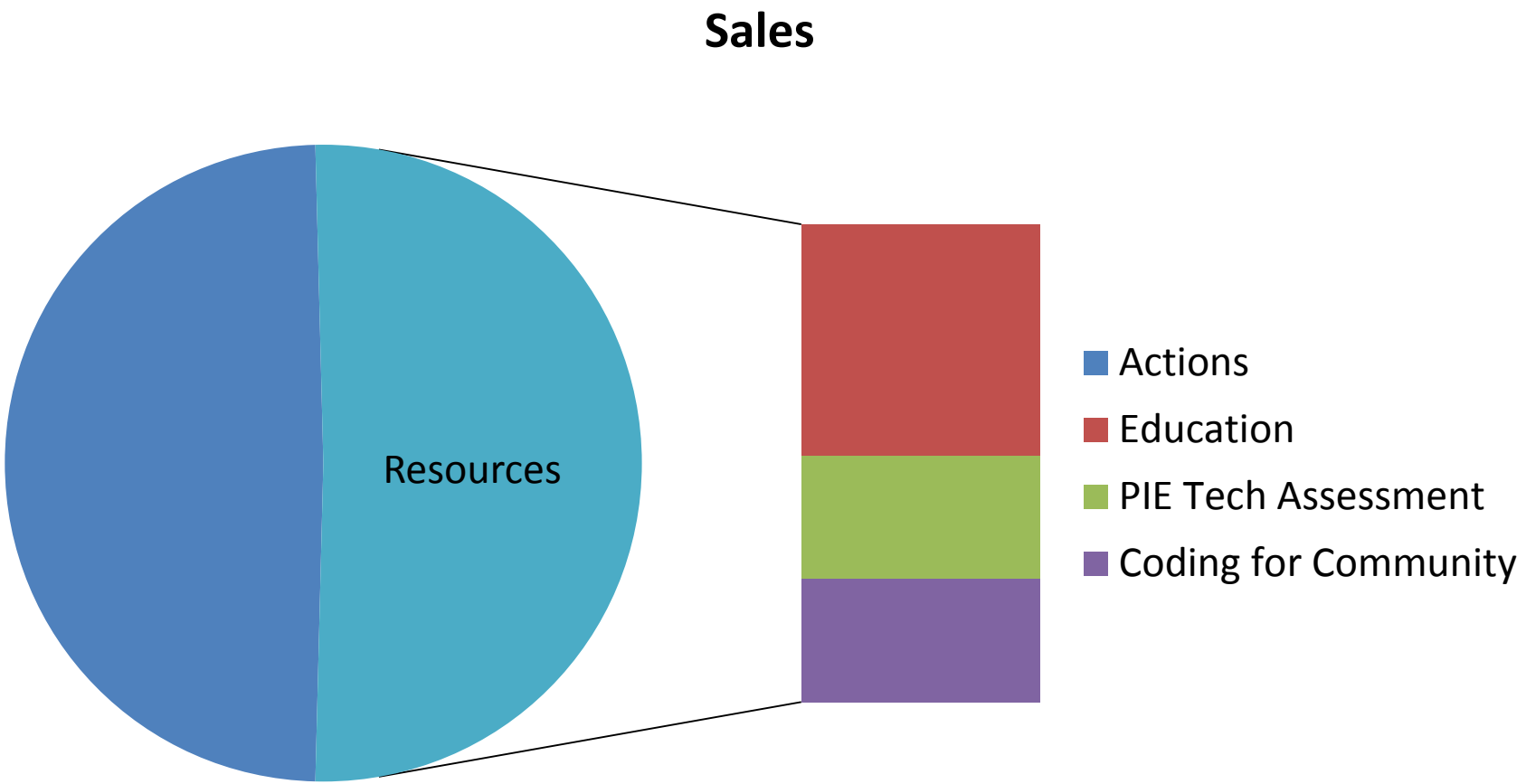
Certified Government CIO and Technology Management Consultant

Coding for Community

Lauren Skowronski

Program Director for Community Engagement, Sustainable Jersey

Everyone Likes PIE



Public Information & Engagement Actions

the 1st piece of the PIE

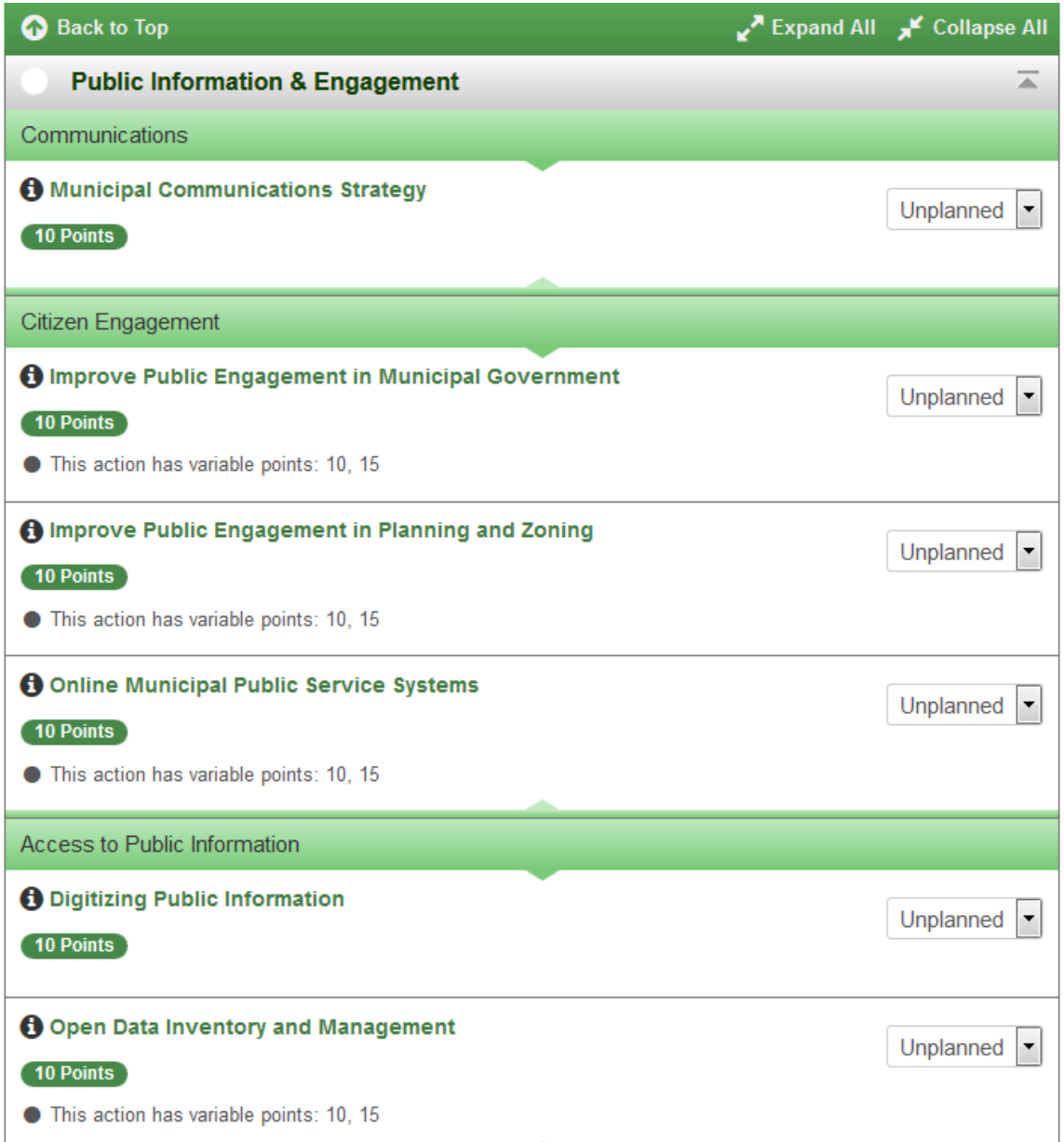
1st Piece of the PIE:

Sustainable Jersey Actions

- ✓ broadens the communication reach for important news
- ✓ provides ways to engage citizens on quality of life decisions
- ✓ increases public access to essential municipal information:
  - proposals being considered by decision makers
  - high demand public information in easy to find locations and usable formats
- ✓ creates internal & external efficiencies

1st Piece of the PIE:

Sustainable Jersey Actions



PIE Technology Assessment

the 2nd piece of the PIE

PIE Technology Assessment: an Overview

- Free Assistance Opportunity for Two Pilot Sustainable Jersey Towns

- Competitive Application Process
  - Desire and willingness to complete PIE related actions
  - Interest in improving the technology proficiency of the town
  - Ability to commit to the planning process

PIE Technology Assessment: Eligibility

- A registered or certified Sustainable Jersey town
- Have an active green team
- Population 2,000-60,000
- Interview with review committee
- Online Application – bit.ly/PIETechPilot
  - Feb. 5th deadline
  - Pilot towns announced by Feb. 27th

PIE Tech Assessment: Evaluation of Applications

- Responsiveness to selection committee interview request
- Demonstrated commitment to support the consultant's assessment process and findings as seen through application responses related to past experience and clear goals for updating public communications and engagement processes
- Implementation or current progress toward completing the appropriate Public Information & Engagement actions
- Past success in completing Sustainable Jersey grant funded project.

PIE Tech Assessment: the Consulting Process

- Baseline Questionnaires
- Series of Interviews and Focus Groups
- Municipality Goal Review
- Best Practice Research and Goal Alignment
- Report Development
- Expert Review Team Input and Review
- Plan Delivered

PIE Technology Assessment: the Roadmap

- Overview of PIE Actions and Outcome Benefits
- PIE Related SWOT Analysis
  - Internal strengths & weaknesses
  - External opportunities & threats
- PIE Goal Alignment
- Project Prioritization and Investment Strategy
- Solution Options

Don't Forget to Apply!

- A registered or certified Sustainable Jersey town with an active green team
- Population 2,000-60,000
- Online application packet – bit.ly/PIETechPilot
  - Feb. 5th deadline
  - Pilot towns announced by Feb. 27th

SUSTAINABLE JERSEY
• CERTIFIED •
A Better Tomorrow, One Community at a Time

CODING FOR COMMUNITY

A CIVIC TECH COMPETITION TO SOLVE LOCAL ISSUES

more from the 2nd piece of the PIE

Coding for Community: What?

- A two-month civic tech competition
- Municipalities identify a local need
  - Help tracking sustainability goals
  - Public engagement needs
- Tech experts develop an innovative technology solution

CODING FOR COMMUNITY

More info & register: **cfc.sustainablejersey.com**

SUSTAINABLE JERSEY CERTIFIED
A Better Tomorrow, One Community at a Time

Coding for Community: Who?

- Municipal representatives (administrators, IT and communications professionals, elected officials, green team members)
- Technology professionals and students (coders, computer programmers, digital designers)

CODING FOR COMMUNITY

More info & register: **cfc.sustainablejersey.com**

SUSTAINABLE JERSEY CERTIFIED
A Better Tomorrow, One Community at a Time

Coding for Community: When?

The Timeline:

- **Fri. January 27th**: kick off event at NJIT, Newark
  - AM session: case studies, learning & ideation
  - PM session: teams form
- February – March: 8 week development phase
- **Fri. March 31st**: presentation & awards (*location TBD*)

CODING FOR COMMUNITY

More info & register: **cfc.sustainablejersey.com**

SUSTAINABLE JERSEY CERTIFIED
A Better Tomorrow, One Community at a Time

Coding for Community: How?

Need to learn more about benefits of technology?

1. Attend AM session at kick off event on Jan 27th

Ready to get a team?

2. Share your need & related data before Jan 27th
3. Bring your need & data to the kick off on Jan 27th
4. Join a team at the kick off event
5. Bring your own team to the table

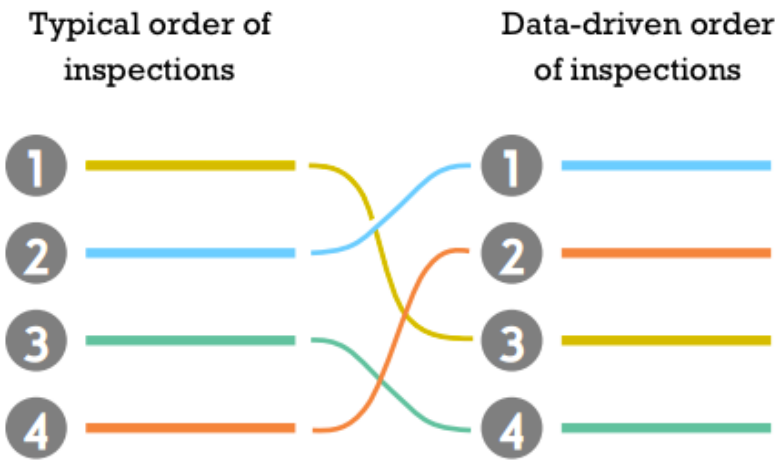
CODING FOR COMMUNITY

More info & register: **cfc.sustainablejersey.com**

SUSTAINABLE JERSEY CERTIFIED
A Better Tomorrow, One Community at a Time

Coding for Community: Local Need Examples

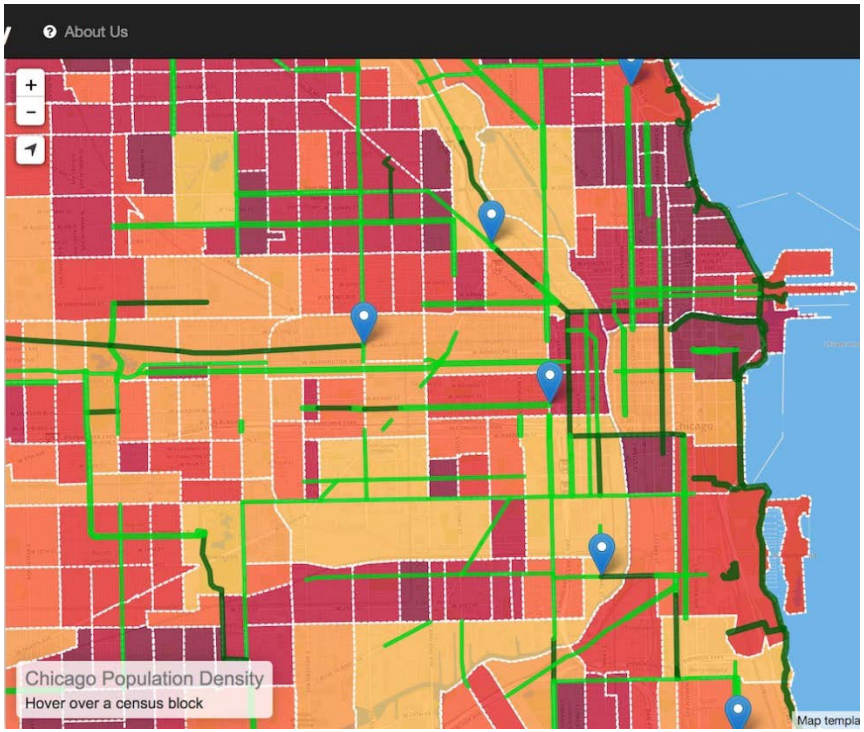
Chicago's predictive restaurant inspections



- Overlay data on past inspection reports with 311 complaints, business characteristics, etc.
- Inspections prioritized according to findings
- 7 day uptick in finding
- https://chicago.github.io/food-inspections-evaluation/

Coding for Community: Local Need Examples

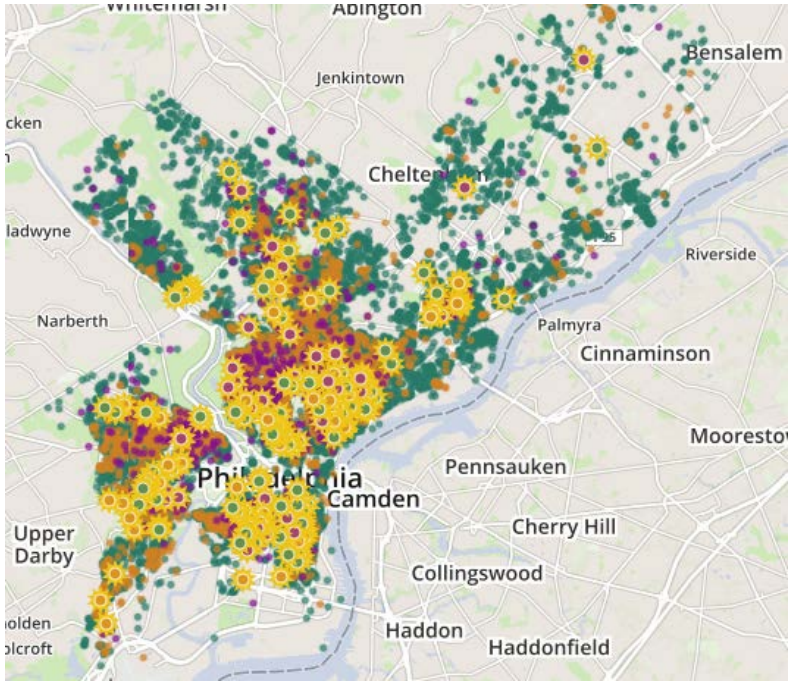
Chicago's bike equity project



- Addresses equity issues of bike access, bike usage, bike infrastructure and bike safety
- Overlay of location data on traffic stops & accidents, road usage, parks, cultural places and civic buildings, socio-econ demographics, etc.
- Prioritizes bike infrastructure investments
- https://chihacknight.org/projects/2015/06/01/chicago-bike-equity.html

Coding for Community: Local Need Examples

Philly's vacant lot application



- Inventory of all lots in Philadelphia region
- Assists in planning efforts for community land projects
- Shows lot type, current function, owner information
- http://www.groundedinphilly.org/

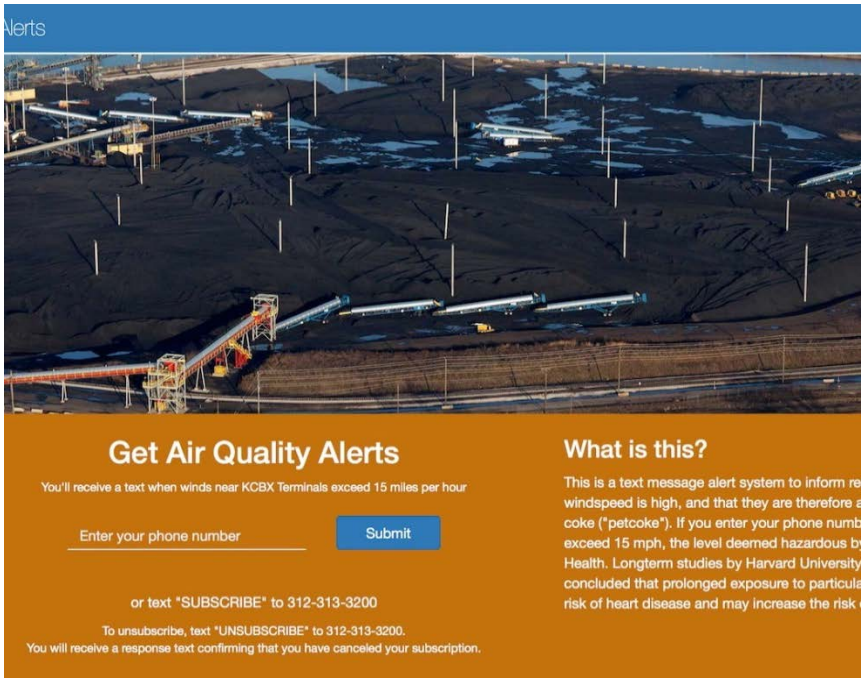
CODING FOR COMMUNITY

More info & register: **cfc.sustainablejersey.com**

SUSTAINABLE JERSEY · CERTIFIED · A Better Tomorrow, One Community at a Time

Coding for Community: Local Need Examples

Chicago's air quality alerts



- Links wind speeds and geographic demographics
- Sends text alerts to nearby residents when risk is elevated
- Supports advocacy work of local civic groups
- https://chihacknight.org/projects/2015/05/01/petcoke-alerts.html

Coding for Community: Solution Examples

- Maps, Visualizations & Data Analysis
  - Municipal information or data that needs to be measured or shown in an easy to understand way
  - I.E. budget and spending information, energy usage, waste reduction, crime and other public safety stats, bikeways, areas in need of infrastructure improvements or rehabilitation, abandoned properties, etc.
- Collect Public Input
  - Support to help your municipal government collect input from residents on important decisions
  - I.E. Master Plan visioning, budget items, park designs, uses for public space, infrastructure improvements, etc.
  - NYC's participatory budgeting process where residents submit ideas for capital projects **http://ideas.pbnyc.org/page/guidelines**
- Competitions & Games
  - Town-wide efforts where residents are invited to participate
  - I.E. energy, waste or water consumption reduction
- Innovate Public Meetings
  - Ways to bring your public meetings into the 21st century and more engaging for the public
  - I.E. live polling, etc.

CODING FOR COMMUNITY

More info & register: **cfc.sustainablejersey.com**

SUSTAINABLE JERSEY CERTIFIED
A Better Tomorrow, One Community at a Time

Coding for Community: the Benefits

- An innovative solution specific to your town's needs
- Address a community need that your town hasn't had the resources to tackle
- Build relationships with the tech community for future municipal projects
- The prizes…

CODING FOR COMMUNITY

More info & register: **cfc.sustainablejersey.com**

SUSTAINABLE JERSEY · CERTIFIED · A Better Tomorrow, One Community at a Time

Coding for Community: the Prizes

- Winning team gets $8,000, runners up $4,000
  - $2,000 to town active in winning team; $1,000 on runners up
- Spotlight demo at Sustainability Summit (June 21st at TCNJ)
- Coaching sessions with venture capitalists & digital marketer
- Free co-working space

CODING FOR COMMUNITY

More info & register: **cfc.sustainablejersey.com**

SUSTAINABLE JERSEY CERTIFIED
A Better Tomorrow, One Community at a Time

cfc.sustainablejersey.com

Competition Sponsor

AT&T

Collaborating Partners

CODE FOR TRENTON

CITY OF JERSEY CITY CORPORATE SEAL

OPENGOV

CODE for PRINCETON NJ

codeforjc.org

Sustainable Princeton

New Jersey Innovation Institute
An NJIT Corporation

NJIT New Jersey Institute of Technology

Upcoming Events

Moving Up to Silver Certification

Tue, Jan 24, 2017 1:00 PM - 2:00 PM

REGISTER: http://bit.ly/2eKrh4I

Municipalities that are interested in attaining silver certification (whether they are currently certified at the bronze level or are just beginning to work on their certification) should attend this webinar to get tips from silver certified municipalities and Sustainable Jersey staff.

Hear about how other towns have achieved the prestigious silver designation, and learn about actions that can fast track you on the path to silver!

Upcoming Events

How to Use Register Ready to Protect Special Needs Residents in Emergencies

Wednesday, February 8, 2017 1:00 PM – 2:00 PM

REGISTER: https://attendee.gotowebinar.com/register/5140820871503095809

This webinar will provide an overview of New Jersey's Register Ready program and the steps that local officials and organizations can take to better serve the needs of vulnerable populations during natural disasters and other extreme events. The webinar will feature experts in emergency preparedness and practitioners dedicated to serving individuals with access & functional needs. Participants will learn how to use and promote the Register Ready program as well as tips and best practices for improving the disaster resilience of their community residents.

Upcoming Events

Stay In the Game! Strategize your Recertification

Wed, Feb 15, 2017 1:00 PM - 2:00 PM

REGISTER: http://bit.ly/2fIEts2

Now is the time to start planning for recertification!

This webinar will provide helpful information to help you avoid a lapse and/or maintain your certification including:

- An overview of the certification cycle for the year
- An update on new and existing action including a change to non-expiring actions, and an explanation of variable point actions
- Suggestions to prevent leaving actions "on the table"
- Accessing and using your online application
- Why actions are not approved

If you have questions that you would like us to answer during the webinar, please email them to fatton@tcnj.edu

Upcoming Events

Making a Game Plan for Getting Certified

Wednesday, February 22, 2017 1:00 - 2:00 PM

REGISTER: http://bit.ly/2fXa0LS

This webinar will share proven strategies and tools to help map out a path to certification within six to twelve months.

Learn how to:

- Mobilize your green team
- Navigate the Sustainable Jersey website
- Select “start-up” actions
- Get assistance completing actions from non-profits and other groups
- Track your progress and more!