

Chris Carrick

Energy Program Manager

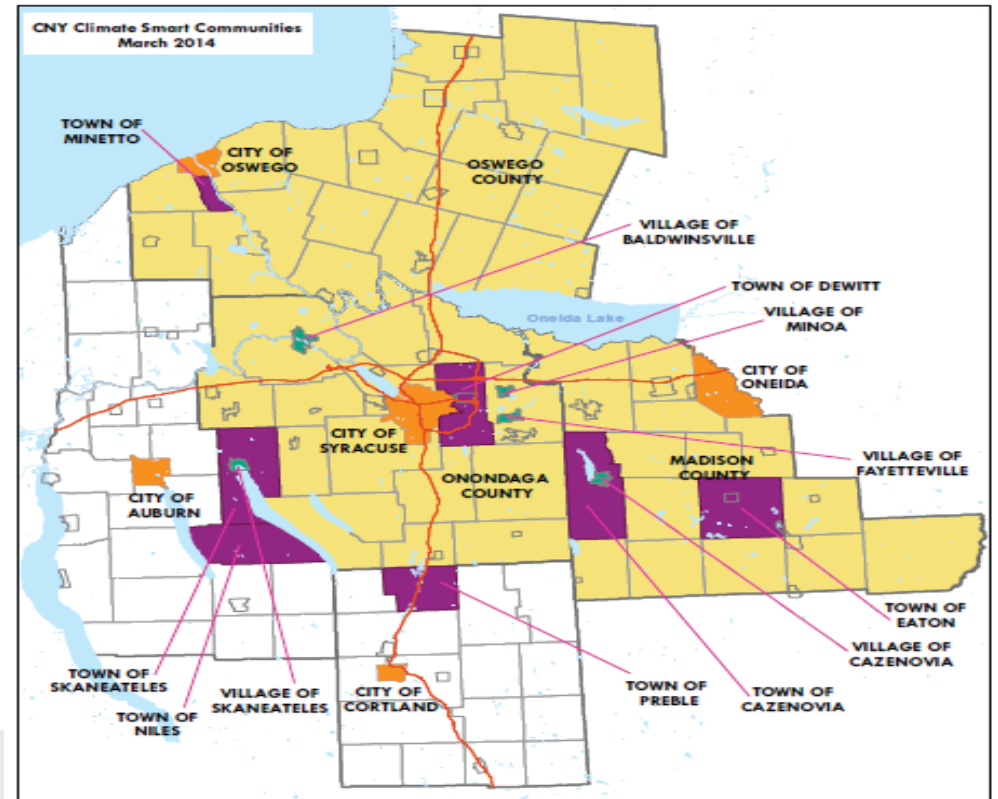
Central New York Regional Planning and Development Board

Presentation Outline

1. CNY RPDB's Role as the Regional Climate Smart Communities Coordinator
2. Partnerships with Local Colleges and Universities
3. Course-Based Partnership with SUNY-ESF
4. Summer Interns
5. Benefits to Students, Municipalities and CNY RPDB
6. Lessons Learned

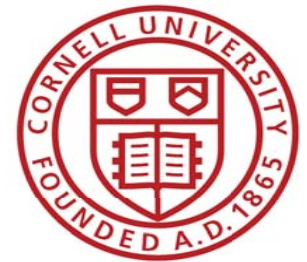
CNY RPDB's Role as CSC Coordinator

- Public agency serving five counties and population of 791,000
- 20 communities have adopted the CSC Pledge
- Continuation of US EPA-funded C₂IP:
 - GHG Inventory
 - Climate Action Plan
 - Demonstration Projects
 - Community Education and Outreach



An Independent Contractor to:

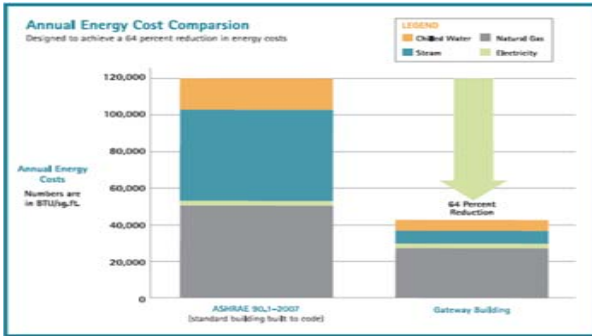
Partnerships with Colleges and Universities



HOBART AND WILLIAM SMITH
COLLEGES



Partnership with SUNY-ESF



Course-Based Partnership with SUNY-ESF

- Professor Richard Smardon,
EST 427/627: Environmental and Energy Auditing
- Worked with about 100 students over 3-year period:
 - GHG Inventories
 - CAPs
- Learning Objectives:
 - Learn and use greenhouse gas accounting methods
 - Assess energy utilization
 - Develop strategies for energy reduction



An Independent Contractor to:



Course-Based Process

- Alignment of project and course goals:
 - Research methods (the “80/20” rule)
 - Research documentation
 - Research results
 - Ownership
- Orientation of students and ongoing communication:
 - Attend weekly classes
 - Email and Dropbox
- Create a detailed weekly timeline
- Student deliverables – interim reports, not final documents

Summer Interns

Student Internship Opportunity
Madison County, NY
Greenhouse Gas Emissions Analysis

Please Post Until February 1, 2011

The Central New York Regional Planning and Development Board is seeking a graduate or exceptional undergraduate student intern for the Spring 2011 semester to work with Madison County Government to begin the process of tracking climate change. This is an unpaid position at \$ 10 hrs./week. The student will report to Director of Madison County Planning, Scott Ingrisno. It is expected that the student will be located on site with a desk and computer at the Madison County Planning Office.

Madison County has committed to reduce greenhouse gas emissions by joining the CLM Local Governments for Sustainability USA. The intern will work in the Madison County Planning Department to develop a baseline emissions inventory (also called a carbon footprint) for County government operations and the community.

To help Madison County develop a local climate protection plan, the intern will:

- Assist the County in completing the first climate protection milestone: a greenhouse gas emissions (GHG) inventory and baseline. The intern will work with multiple agencies to collect information and use GHG software to compile the emissions data.
- Communicate the county's climate protection efforts to lay staff, officials and citizens.
- Help the county begin thinking about and designing its climate action plan.
- The Regional Planning and Development Board seeks students with:
 - Prior experience working for and knowledge of government, particularly local government.
 - Experience with issues surrounding energy use, transportation, utilities, and/or solid waste.
 - Assertive personality, persistence, and strong people skills critical for working with a variety of municipal departments and personalities.
 - Basic understanding of the causes, science, and impacts of global warming/climate change.
 - Basic computer and data manipulation skills.

Fostering sustainable community action that generates cost-effective and persistent greenhouse gas reductions while improving the environmental, economic, public health, and social conditions in our communities.

Program Overview

Those who meet these criteria will be invited to an interview with the CNY RPDB and Madison County Government. Successful candidates will be hired as well as financial assistance for the travel expenses to the CNY RPDB for the duration of the internship. The CNY RPDB will provide compensation, supervision, and data sharing services to the CNY RPDB for the purpose of developing a climate action plan document.

Local governments that receive grants will be required to appoint and maintain a local government representative and report on the progress of the program, policies, and operations. Areas of local government responsibility include:

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Central New York Regional Planning & Development Board
126 North Salina St., 11th Floor, Syracuse, NY 13202
phone: 315.432.4079 fax: 315.432.4001 email: info@cnypd.org www.cnypd.org

AGREEMENT
BETWEEN THE
CENTRAL NEW YORK REGIONAL PLANNING & DEVELOPMENT BOARD
126 N. Salina Street, Suite 200
Syracuse, New York 13202

AND
The City of Cortland

ARTICLE 1: PARTIES: The parties to this Agreement are the Central New York Regional Planning and Development Board (CNY RPDB), 126 N. Salina Street, Suite 200, Syracuse, New York 13202; and the City of Cortland (Contractor), 25 Court Street, Cortland, NY 13126

ARTICLE 2: PURPOSE: The Central New York Regional Planning and Development Board entered into an Agreement with the US Environmental Protection Agency for the Climate Change Innovation Program, CFDA # 56.041. The City of Cortland will provide financial compensation, supervision, and data sharing services to the CNY RPDB for the purpose of developing a climate action plan document.

ARTICLE 3: DOCUMENTS FORMING AGREEMENT: This Agreement consists of Articles 1 through 17 and Appendix 1, Scope of Services.

ARTICLE 4: TIME OF PERFORMANCE: The duration of this Agreement will be from June 3, 2013 through August 9, 2013.

ARTICLE 5: ADMINISTRATIVE REQUIREMENTS: The Contractor agrees to comply with OMB Circular A-133, *Audits of States Local Governments and Nonprofit Organizations*, and agrees to adhere to the accounting principles and procedures required therein, use adequate internal controls and maintain necessary source documentation of all costs incurred.

ARTICLE 6: COMPENSATION: In full consideration for the services provided by the Contractor, the Contractor will invoice CNY RPDB \$2,000. This compensation will be pro-rated for any reduction in services.

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Internship Evaluation Form
Department of Environmental Studies
Supervisor: Samuel Gordon, Senior Planner
Student: Casey Guyer

Please rate the student intern on each of the characteristics listed below by circling the appropriate number: (1) Outstanding, (2) Above Average, (3) Average, (4) Unsatisfactory or (5) Unable to Judge.

1. Ability to learn.	(1)	2	3	4	5
2. Interest.	(1)	2	3	4	5
3. Preparation of tasks and assignments.	1	(2)	3	4	5
4. Initiative: desire and willingness to take on new assignments.	(1)	2	3	4	5
5. Quality of work performed.	1	(2)	3	4	5
6. Acceptance of work performed.	(1)	2	3	4	5
7. Reaction to criticism.	(1)	2	3	4	5
8. Cooperation: willingness to work effectively with others.	(1)	2	3	4	5
9. Dependability: working through an assignment to completion.	1	(2)	3	4	5
10. Judgment.	(1)	2	3	4	5
11. Communication skills.	1	(2)	3	4	5
12. Potential for further development in the field.	1	(2)	3	4	5
13. Creativity and/or resourcefulness.	1	(2)	3	4	5
14. Degree to which you think the intern accomplished his/her objectives for the internship.	(1)	2	3	4	5
15. Overall evaluation of the intern's performance.	1	(2)	3	4	5

Recruitment

Detailed Workplan and Agreements

Student Evaluation

Benefits to Students

- Meeting student demand for education on energy and climate issues
- Experiential learning is critical for doing this work:
 - Learning the methods and tools
 - Seeing local government in action
- Students and interns have assumed responsible positions in government and industry:
 - NYS DEC
 - Massachusetts DOER
 - DNV-GL
 - National Grid
 - CNY RPDB



Benefits to Municipalities and CNY RDPB

- No (or very low) financial cost
- More staff resources and time for the project:
 - Collect and analyze data
 - Research best practices
 - New ideas
- Increase capacity of municipalities (i.e., record-keeping)
- Create a community “buzz” and boost the project’s credibility
- Strengthen local and regional connections

Lessons Learned: Higher Ed.

- Student labor may be “free” – but don’t underestimate time needed for training and supervision
- Start with a formal course if possible:
 - Professor and TA oversight increases student accountability
 - Can identify the “stars” for internship opportunities
 - Classes or student teams with advanced undergraduates or graduate students are preferable
- Maintain data integrity:
 - Keep track of all the data and data sources
 - Consistent units (tonnes vs. tons) and costs (gasoline, electricity, etc.)
- Training students takes time but may pay dividends:
 - Increase capacity
 - Implement better municipal procedures to improve data collection

Lessons Learned: Municipalities

- Know your audience
 - Flexibility in framing of effort is key (“climate change” vs. “sustainability”)
 - Make climate plan relevant to existing community concerns
- Oversight of effort
 - Size of advisory committee varies, but a mix of municipal and community representatives seems best
 - Consistency in membership, and support of head elected official, is key
 - Conflicting ideas of advisory committee – make sure everyone feels that their ideas have been heard
- Data, data, data
 - Persistence is needed to get all of the data
 - Accuracy of data and documentation of data sources is important
 - Implement better municipal procedures to improve data collection
- Community engagement takes time but may pay dividends
 - Long-term buy-in for plan development and identify champions for implementation