

Climate Smart Communities Certification Report



SILVER CERTIFIED

This is the Climate Smart Communities Certification Report of Tompkins County. Tompkins County is a silver certified Climate Smart Community.

Tompkins County was certified on September 28, 2018 with 369 points earned from 44 completed actions. Listed below is information regarding Tompkins County's Climate Smart Communities efforts and materials associated with its certified actions.

The certification for Tompkins County will expire on September 30, 2023.

Contact Information

The designated Climate Smart Communities contact for Tompkins County is:

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Actions Implemented

Each approved action and supporting documentation for which Tompkins County was approved for in 2018 appears below. Note: Standards for the actions below may have changed and the documentation listed may no longer satisfy requirements for that action. Additionally, points associated with actions prior to 2013 certifications may not be accurate.

- 1. Build a climate-smart community.
- 1.1 Pass a Resolution Adopting the CSC Pledge



Program Summary: No description was provided.

PDF: CSC PLEDGE

PE1 Action: CSC Task Force

20 Points

Bronze Mandatory

Program Summary: 1. Resolution of Tompkins County Legislature designating the Tompkins County Task For ce as Climate Smart Communities Task Force - adopted 6/19/18. 2. The task force agendas include a list of m embers; attached is a recent agenda from 6/15/18. Members include the Chair of the Tompkins County Legisl ature, as well as staff from the Tompkins County Department of Planning and Sustainability, the local transpo rtation agencies, Cornell Cooperative Extension, local developers, development agencies, energy contractors, and higher education researchers and staff. 3. The task force meets every other month, and the meeting minutes include member attendance. Attached are minutes from 2/8/18 and 4/20/18. Additional mee ting minutes and meeting materials are available here: http://www.tompkinscountyny.gov/planning/committe es-etf

WORD: RESOLUTION OF TOMPKINS COUNTY LEGISLATURE DESIGNATING THE TOMPKINS COUNTY TASK FORCE AS CLIMATE SMART **COMMUNITIES TASK FORCE**

PDF: TASK FORCE AGENDA FOR 6/15/18

PDF: TASK FORCE MEETING MINUTES FROM 2/8/18 PDF: TASK FORCE MEETING MINUTES FROM 4/2018

PE1 Action: CSC Coordinator

10 Points

Bronze Mandatory

Program Summary: No description was provided.

PDF: 2017CSC-COORDINATORTOMPKINS.PDF

PE1 Action: National/Regional Climate Program

3 Points

Program Summary: No description was provided.

PDF: FINALTOMPKINS COUNTY SUSTAINABILITY STRATEGY[1].PDF

PDF: ICLEI MEMBERSHIP RENEWAL.PDF

PE1 Action: Partnerships with Other Entities

3 Points

Program Summary: The Water Resources Council Cayuga Lake Monitoring Partnership is a presently active partnership between local government and various water-related entities – see the passage below from the county website: http://www.tompkinscountyny.gov/planning/committees/wrc/wrcmonitoring-plan-committee " In addition to members of the Water Resources Council, the Cayuga Lake Monitoring Partnership includes re presentatives of Cornell University's Lake Source Cooling monitoring team, Cayuga Lake Watershed Network, Community Science Institute, Finger Lakes Institute, Floating Classroom, Ithaca Area Wastewater Tr eatment Plant, and several researchers from Cornell University." The most recent task had been the Cayuga Lake Modelling Project (see main web link above), and its completion in December 2016 is detailed in the lin k below: https://energyandsustainability.fs.cornell.edu/util/clmp/default.cfm

2. Inventory emissions, set goals, and plan for climate action.

PE2 Action: Government Operations GHG Inventory

16 Points

Bronze Priority Silver Priority

Program Summary: No description was provided.

PDF: GOVERNMENTINVENTORY_REPORT_WITH_APPENDICES[1].PDF

PE2 Action: Community GHG Inventory

16 Points

Bronze Priority Silver Priority

Program Summary: No description was provided.

PDF: COMMUNITY 2014 FINAL GHG EMISSIONS REPORT[1].PDF

2.3 Establish a Government Operations Emissions Reduction Target

4 Points

Bronze Priority Silver Priority

Program Summary: http://tompkinscountyny.gov/files/planning/energyclimate/documents/GovernmentInvent ory_Report_with_Appendices.pdf

PDF: GOVERNMENTINVENTORY_REPORT_WITH_APPENDICES[1].PDF

2.4 Establish a Community Emissions Reduction Target

4 Points

Bronze Priority Silver Priority

Program Summary: http://tompkinscountyny.gov/files/planning/energyclimate/documents/Community%2020 14%20Final%20GHG%20Emissions%20Report.pdf

PDF: COMMUNITY 2014 FINAL GHG EMISSIONS REPORT[1].PDF

PE2 Action: Government Operations Climate Action Plan

8 Points

Bronze Priority Silver Priority

Program Summary: No description was provided.

PDF: FINALTOMPKINS COUNTY SUSTAINABILITY STRATEGY[1].PDF

PE2 Action: Community Climate Action Plan



Bronze Priority Silver Priority

Program Summary: No description was provided.

PDF: APPENDIX A - PUBLIC COMMENTS.PDF

PDF: ENERGY ROADMAP ALL[1].PDF

3. Decrease energy use.

PE3 Action: Green Building Standard for Government Buildings



Program Summary: No description was provided.

PDF: 01-47GREENBUILDINGSADOPTED05072013-FINAL[1].PDF
PDF: TOMPKINSCOMPPLANFINAL-MARCH 12-LOW RES[1].PDF

PE3 Action: Fleet Efficiency Policy

2 Points

Program Summary: No description was provided.

PDF: 01-44[1]TOMPKINSGREENFLEETPOLICY.PDF

PDF: <u>INVENTORY EXCERPT.PDF</u>

EXCEL: TOMPKINS COUNTY VEHICLE AND EQUIPMENT INVENTORY.XLSX

PE3 Action: Advanced Vehicles

4 Points

Program Summary: Based on the list of County vehicles (and excluding the highway vehicles that include vehicles such as snow plows), the County has 135 vehicles, 21 of which are advanced vehicles, or 15.56% of the fleet.

EXCEL: EXCEL SPREADSHEET OF COUNTY VEHICLES

PE3 Action: Incentives for Employee Carpooling & Transit

2 Points

Program Summary: http://www.tompkinscountyny.gov/countycorridors/its-did-you-know

4. Shift to clean, renewable energy.

PE4 Action: Green Power Procurement Policy

4 Points

Program Summary: Tompkins County Resolution 2016-53 (accessed on 09-20-2017), https://tompkinscounty ny.iqm2.com/Citizens/Detail_LegiFile.aspx?ID=6202&highlightTerms=gravity%20renewables Tompkins County Resolution 2012-241 (accessed on 09-20-2017), https://tompkinscountyny.iqm2.com/Citizens/Detail_LegiFile.aspx?ID=3681&highlightTerms=integrys Tompkins County Resolution 2015-165 (accessed on 09-20-2017), https://tompkinscountyny.iqm2.com/Citizens/Detail_LegiFile.aspx?ID=5744&highlightTerms=integrys Tompkins County has adopted several resolutions to increase the amount of energy coming from renewable sources, specifically from RECs, beginning in 2012 (see Resolution 2012-241). In 2016, Tompkins County entered into a n agreement with Gravity Renewables, Inc., for remote net metering from a remote hydroelectric utility in New York State (see Resolution 2016-53). For evidence of purchase of RECs, see 4.4.

PE4 Action: Renewable Energy Feasibility Studies

5 Points

Program Summary: Tompkins County Energy Roadmap: Evaluating Our Energy Resources (accessed on 05-29-2018), http://www.tompkinscountyny.gov/files2/planning/energyclimate/documents/Energy%20Roadmap %203-25-16.pdf The Tompkins County Energy Roadmap includes feasibility studies for wind, solar, micro-hyd ro, biomass, and deep geothermal energy in Tompkins County. It was published by the Tompkins County Pla nning Department.

PE4 Action: Renewable Energy Certificates

7 Points

Program Summary: 2014 Tompkins County Government Operations Greenhouse Gas Emissions and Energy Use Inventory (accessed 09-20-2017), http://www.tompkinscountyny.gov/files2/planning/Energy-greenhouse/ GovernmentInventory_Report_with_Appendices.pdf The 2014 government operations GHG inventory states that the County used 6,503,913 kWh in 2014. Based on the attached REC receipts, in 2016, the County purch ased 713,000 kWh in RECs from Gravity Renewables, 1,825,000 kWh in RECs from Constellation Energy, and 4,000,000 kWh in RECs from Integrys Energy Services of New York, Inc. in 2016, amounting to 6,538,000 kWh worth of RECs for 2016, which exceeds the County's total energy usage in 2014 (which likely remained about the same in 2016).

PDF: CERTIFICATE OF PURCHASE OF RECS FROM GRAVITY RENEWABLES, INC.

PDF: PURCHASE DOCUMENTS FOR THE PURCHASE OF RECS FROM CONSTELLATION ENERGY SERVICES OF NEW YORK, INC.

PDF: PURCHASE DOCUMENTS FOR THE PURCHASE OF RECS FROM CONSTELLATION ENERGY SERVICES OF NEW YORK, INC. (2)

PE4 Action: Solar Energy Installation



Program Summary: Tompkins County Resolution 2012-87 (accessed 09-20-2017), https://tompkinscountyny.i qm2.com/Citizens/Detail_LegiFile.aspx?ID=3374&highlightTerms=solar%20pv Resolution 2012-87 authorized the County to enter into fifteen-year lease agreements with with Solar Liberty to install solar PV systems on s even County facilities. The installment agreement provides details on the County's installation at 128 E. Buffal o Street in Ithaca.

PDF: INSTALLMENT AGREEMENT WITH SOLAR LIBERTY

PE4 Action: Power Purchase Agreement for Renewables

9 Points

Program Summary: In March 2016, Tompkins County entered into a 20-year PPA with Gravity Renewables, I nc., for hydroelectric power produced in Seneca County.

PDF: TOMPKINS COUNTY CONTRACT COVER SHEET, C-S CANAL HYDRO, AKA GRAVITY RENEWABLES

5. Use climate-smart materials management.

PE5 Action: Recycling Bins in Government Buildings

3 Points

Program Summary: The photos show recycling bins in County buildings next to employee desks, in common areas, and in public spaces.

IMAGE: EG COUNTY CLERK BREAKROOM.JPG
IMAGE: EG COUNTY CLERK SHREDDING.JPG
IMAGE: EG HEALTH DEPT DESKSIDE.JPG

PE5 Action: Construction & Demolition Waste Policy

4 Points

Program Summary: TCRMM anticipates releasing a 10-year update to the 20-year Local Solid Waste Manage ment Plan (LSWMP) in 2018. With recent news regarding a local C&D debris recycling facility (see attached), a n updated C&D waste policy will be included in the LSWMP. TCRMM funds Finger Lakes ReUse, which offers a deconstruction program that features building disassembly for reuse, thus reducing the generation of C&D materials. This represents a tax-write-off for those who choose to contract for this service. Deconstruction (ac cessed 6/12/2018), http://ithacareuse.org/deconstruction/

PDF: C&D CORTLAND.PDF

PE5 Action: Reuse Programs



Program Summary: Tompkins County owns the Recycling and Solid Waste Center (RSWC), a NYS DEC perm itted materials recovery facility, and contracts for its operation and marketing of recyclables. This facility acce pts and diverts curbside and drop off residential single stream, commercial recycling, source separated orga nics, electronic waste, household hazardous waste, scrap metal, yard waste, propane tanks, fire extinguisher s, and other materials from the landfill. Ithaca ReUse Center, About (accessed on 02-13-2018), http://ithacareuse.org/partners/ Recycling and Materials Management of Tompkins County, Tompkins County Partners (accessed on 02-13-2018), https://recycletompkins.org/site/view/1000041 Tompkins County helped establish the Ithaca ReUse Center as p art of its 20-Year Solid Waste Management Plan (see Ithaca ReUse Center, About webpage, "Environment" ta b, and Recycling and Materials Mangement of Tompkins County, Tompkins County Partners webpage). Addit ionally, the Ithaca ReUse Center lists Tompkins County Solid Waste as its first partner on its Partners webpage e. The Ithaca ReUse Center About page also explains its programs and services.

PDF: RSWC GUIDELINES 2017.PDF

PE5 Action: Recycling Program for Public Places & Events

3 Points

Program Summary: Tompkins County Department of Recycling & Materials Management offers 3 programs f or public & event recycling. TompkinsCRT provides staffing, coordination, and education for compost, recycling, and trash at a minimum of 5 events each year, notably Ithaca Festival, Apple Harvest Festival, and GrassRoots Festival. About Tompkins CRT (accessed 10-26-2017), https://recycletompkins.org/festivalwastere duction TCRMM has partnered with local parks, bus stops, and public service buildings to provide 8 public space recycling bins throughout the county, with plans to expand the program further in the next budget year. Attached: PSR Photos Public events in Tompkins County may borrow up to 20 event recycling bins to allow o rganizers to collect recycling at their events. With an average of 16 events to year, requests range from 2 recyclers for an evening, to 20 recyclers plus transportation cart for a weekend. Borrow-A-Bin Program (accessed 10-26-2017), https://recycletompkins.org/Recycling/Borrow-A-Bin Attached: Estimates from annual events

IMAGE: <u>HSB PSR.JPG</u>

IMAGE: STEWART PARK PSR.JPG

WORD: ESTIMATES FROM ANNUAL EVENTS

PE5 Action: Waste Reduction Education Campaign

2 Points

Program Summary: Food Waste Prevention: https://recycletompkins.org/other-programs-and-services/food-rescue-and-waste-prevention/ The Tompkins County Department of Recycling and Materials Management received a grant from New York State Pollution Prevention Institute (NYSP2I) in support of the Save the Food project. Here is a link to a press release from 2015 regarding the grant from the New York State Pollution Prevention Institute: http://tompkinscountyny.gov/news/tompkins-county-receives-food-waste-prevention-grant-nys Through this grant, the Department developed a comprehensive program for residential food waste prevention, featuring a community film screening, social media campaign, school presentations, and a food waste prevention challenge. To help communities and organizations that are interested in developing a food waste prevention program in their own area, the Save The Food manual was created, highlighting project summaries, tips, and lessons learned. Outreach (accessed 10-26-2017), https://recycletompkins.org/Outreach The County does several different outreach activities to promote waste reduction and recycling, including tours of the Solid Waste and Recycling Center, participating in community events, and sharing a video about rural waste reduction and recycling.

PDF: FOODWASTEREDUCTIONRACKCARD_REVISED07242017-HQ-PRESS.PDF

PE5 Action: Compost Bins for Residents

2 Points

Program Summary: Food Scraps Recycling Drop Spots (accessed 10-26-2017), https://recycletompkins.org/R ecycling/Food-Scraps-Recycling Permits and Fees (accessed 10-26-2017), https://recycletompkins.org/Garbag e/Permits-and-Fees_ Residents of Tompkins County can pick up a food scraps kitchen caddy, transportation container, compostable bin liners, and educational decals, free of charge at any of the 14 food scraps recycli ng drops spots throughout Tompkins County. Residents also have the option to purchase an Earth Machine or GeoBin composting system from the Tompkins County Department of Recycling and Materials Manageme nt to compost in their backyard.

PDF: FOODSCRAPS_RACKCARD_OCTOBER2017.PDF

PE5 Action: Residential Organic Waste Program

6 Points

Program Summary: Residents of Tompkins County have access to 14 food scraps recycling drop spots throu ghout Tompkins County. Tompkins County Department of Recycling and Materials Management (TCRMM) ou tline plans to expand this to 20 drop spots by 2020. At these drops spots, residents may sign out a food scraps recycling toolkit free of charge, obtain replacement compostable bins liners, and drop off their food scraps, free of charge. In 2017, these drop spots diverted 323 tons of food scraps & paper towels. Residents of Tompkins County may drop off yard waste at no charge at the Recycling and Solid Waste Center (RSWC). Select municipalities offer yard waste hauling via a bag & tag system. Food scraps and yard waste collected through these programs are sent to Cayuga Compost in Tompkins County for processing. TCRMM pays for the processing of this material via contract, subsidizing organics waste diversion in the county. Food Scraps Recycling Drop Spots (accessed 6-11-2018), https://recycletompkins.org/Recycling/Food-Scraps-Recycling

PDF: FOODSCRAPS RACKCARD OCTOBER2017.PDF

PDF: RSWC GUIDELINES 2017.PDF

5.4 Implement a Pay-as-you-throw or Similar Unit Pricing Program



Program Summary: https://recycletompkins.org/Garbage/Trash-Tags http://ecode360.com/8412367

6. Implement climate-smart land use.

PE6 Action: Comprehensive Plan with Sustainability Elements

21 Points

Bronze Priority Silver Priority

Program Summary: Tompkins County Legislature's approval of the comprehensive plan is on page 7 of the meeting minutes document

PDF: TOMPKINS COUNTY COMPREHENSIVE PLAN 2015

PDF: TOMPKINS COUNTY LEGISLATURE MEETING MINUTES 2015-03-03
WORD: TOMPKINS COUNTY COMPREHENSIVE PLAN MEMORANDUM

PE6 Action: Infrastructure for Biking and Walking

2 Points

Program Summary: Bicycle Map: Ithaca & Tompkins County (2016) (accessed 07-07-2017), http://www.tompkinscountyny.gov/files2/itctc/BikeSuitability/BikeSuitabilityMap2016web.pdf Complete Streets Network (March 2015) (accessed 07-07-2017), http://www.tompkinscountyny.gov/files2/itctc/projects/Complete_Streets_Network_5_13_15_C_Size.pdf The Ithaca-Tompkins County Transportation Council, which is part of the Tompkins County government, developed a bicycle map for the area. The same council also developed a Complete Streets Network map that includes proposals for more trails, expansion of the bicycle boulevard network, and new complete streets (streets that are bicycle- and pedestrian-friendly).

7. Enhance community resilience to climate change.

PE7 Action: Climate Vulnerability Assessment

16 Points

Bronze Priority Silver Priority

Program Summary: No description was provided.

PDF: TOMPKINS COUNTY HM FINAL DRAFT 01-16-14[1].PDF

PE7 Action: Climate Resilience Vision



Program Summary: No description was provided.

PDF: APPENDIX A KICKOFF SURVEY[1].PDF

PDF: APPENDIX B PUBLIC COMMENTS AND RESPONSES[1].PDF

PDF: FINAL-MARCH 12-LOW RES[1].PDF

PE7 Action: Climate Adaptation Plan



Program Summary: No description was provided.

PDF: TOMPKINS COUNTY HM FINAL DRAFT 01-16-14[1].PDF

7.5 Incorporate Climate Resiliency Vision, Goals, and Strategies into Local Plans and Projects



Program Summary: No description was provided.

PDF: FINAL-MARCH 12-LOW RES[1].PDF

PE7 Action: Climate-resilient Hazard Mitigation Plan

3 Points

Program Summary: No description was provided.

PDF: TOMPKINS COUNTY HM FINAL DRAFT 01-16-14[1].PDF

PE7 Action: Conserve Natural Areas



Program Summary: No description was provided.

PDF: FINAL DRAFT CONSERVATION STRATEGY 08-28-12[1].PDF

PDF: FINAL-MARCH 12-LOW RES[1].PDF

8. Support a green innovation economy.

PE8 Action: Green Jobs Training

3 Points

Program Summary: Tompkins County funds Finger Lakes ReUse, which offers ReSET, a free job training pro gram. This program offers customer service & retail training in a reuse setting, as well as skills in computer te chnology & refurbishment. Training(ReSET) (accessed 6/11/2018), http://ithacareuse.org/reset/

PE8 Action: Buy Local/Buy Green Campaign

2 Points

Program Summary: Get Your GreenBack Tompkins is a community-initiated and community-supported campaign that works collaboratively to help people and organizations take key steps in the areas of food, tra nsportation, waste and building energy that simultaneously reduce our community's carbon emissions, save money and create a socially just local economy. About (accessed 6/11/2018), http://www.getyourgreenbacktompkins.org/about/

PE8 Action: Incentives for Green Businesses

4 Points

Program Summary: The Tompkins County Department of Recycling & Materials Management (TCRMM) offer s the ReBusiness Partners Program to businesses and organizations in Tompkins County. This program offer s free resources such as recycling bins, decals & a tailored ReBusiness report highlighting increased waste di version opportunities. Partners that undergo the program, recycle mandatory recyclables, and demonstrate a t least one example of each of the 4Rs (reduce, reuse, recycle, rebuy), receive public recognition & promotion through TCRMM's website & partner organizations. ReBusiness Partners (accessed 6/11/2018), https://recycletompkins.org/Outreach/ReBusiness-Partners

PDF: REBUSINESS RACK CARD 2014.PDF

PE8 Action: PACE Financing

7 Points

Program Summary: Resolution No. 2015-79 established Tompkins County's PACE Financing program. The M unicipal Agreement established the County's connection with the Energy Improvement Corporation to provid e PACE Financing, and the letter confirms Tompkins County's membership with the Energy Improvement Corporation.

PDF: TOMPKINS COUNTY LEGISLATURE RESOLUTION NO. 2015-79

PDF: ENERGY IMPROVEMENT CORPORATION MUNICIPAL AGREEMENT

PDF: ENERGY IMPROVEMENT CORPORATION LETTER TO COUNTY ADMINISTRATOR JOE MAREANE

9. Inform and inspire the public.

PE9 Action: Energy Reduction Campaign

5 Points

Program Summary: Campaign web link: http://www.solartompkins.org/ HeatSmart Tompkins is an energy red uction campaign by Solar Tompkins to reduce energy usage through heating, which Tompkins County activel y supports as its key partner and fiscal sponsor (see "About": http://www.solartompkins.org/about.html).

12. Performance

Performance: Reduce GHGs from Government Facilities

45 Points

Program Summary: No description was provided.

PDF: GOVERNMENTINVENTORY_REPORT_WITH_APPENDICES[1].PDF

Performance: Reduce GHGs from Government Vehicles

30 Points

Program Summary: No description was provided.

PDF: GOVERNMENTINVENTORY_REPORT_WITH_APPENDICES[1].PDF

12.7 Reduce Community-wide GHG Emissions from Buildings

25 Points

Program Summary: No description was provided.

EXCEL: 12.7-CSCC-CALC-TOMPKINS.XLSX

PDF: COMMUNITY 2014 FINAL GHG EMISSIONS REPORT[1].PDF