

Borough of State College Greenhouse Gas Inventory Progress Report Borough Goals

Goal	Deadline	Progress	Next Actions
1 Reduce residual waste (land filled material) to 35% of the total waste stream.	2012	The Public Works Sanitation Division began collecting green waste in April of 2009, and began collecting food waste from selected locations in a pilot program in January, 2010. Periodic reports have been filed with PA DEP regarding food waste diversion pilot program. Compost analysis indicates finished food waste compost is comparable to yard waste compost.	The next phase of the Food waste Recycling Pilot project will be collection of food waste at several Downtown Business locations in the first half of 2011. The final report is due to PA DEP in May, 2011
2 20% of the Borough's passenger car fleet shall be comprised of the most energy efficient vehicles.	2016	To date, the Borough has purchased 5 Toyota Camry Hybrids, and a Ford Fusion Hybrid. These 6 hybrid vehicles represent 32% of the Borough's passenger car fleet.	No Further Action Required. The Borough will continue to incorporate energy efficient vehicles into the fleet when possible.
3 Use B-30 diesel (70% diesel petroleum, 30% bio-diesel) for all Borough heavy equipment and trucks.	2012	Currently the Borough is purchasing B-5 diesel petroleum. Engine manufacturers will only warranty their engines with the use of B-5 diesel petroleum.	As engine manufacturers extend their warranties to cover higher amounts of Bio-diesel used in their engines, the Borough will purchase Bio-diesel accordingly so the engine warranties are not voided.

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4	Establish a network of off-street and on-street designated bike lanes throughout the community.	2010	The Traffic Calming Guidebook adopted by Council identifies designated bike routes and bike paths. Striping of bike lanes are considered on a case-by-case basis. A bike climbing lane has been striped on South Sparks Street between Westerly Parkway and Prospect Avenue. South Allen Street and Waupelani Drive have had bike lanes striped and the Borough Crew applied the "Share The Road" arrows on Foster, Allen and Sparks.	The Transportation Commission continues to consider streets for possibly striping bike lanes.
5	Incorporate sustainable construction and demolition practices into Borough ordinances, including the requirement of LEED certifications	2010	Council has requested the Planning Commission to explore options for integrating sustainable construction and demolition practices into our codes	Staff anticipates the Planning Commission will complete its review of options and present its findings and recommendations to Council by the end of the year.
6	All municipally owned construction shall be LEED Gold or Silver certified.	2010	The Service Facility Land Development Plan process includes a target of LEED Silver certification.	LEED is an evolving yardstick for sustainable development and operations. Staff will explore other LEED targets, including LEED for existing buildings.
7	Eliminate the use of non-biological spray insecticides by the Borough. Additionally, reduce the use of all fertilizers and herbicides by 50% from 2007 levels.	2012	The Borough no longer does aerial spraying to control DED but injects the trees as needed. Hemlock woolly adelgid is controlled by a soil drench application of a pesticide. Only one 40 lb bag of fertilizer was used in 2009 for the flower beds and pots. No liquid fertilizer has been used the last three years. Only a spot application of herbicide was used to control weeds along street curb & gutter in 2009, cutting the use of Round-up by more than 50%.	Continue to explore alternatives to non-biological spray insecticides.

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8	Establish purchasing policies which give preference to products with 50% or more recycled content.	2009	An Environmentally Preferable Procurement Policy has been drafted and is currently under review by the Sustainability Committee before presentation to Borough Council in 2011.	Present Policy to Borough Council for review and adoption before 9/30/2011.
9	Establish a free transit service within the Borough	2015	No action taken	Continue to discuss free transit service for all students, faculty and staff with PSU Administration.
10	Eliminate the use of incandescent bulbs in all Borough facilities	2012	No incandescent bulbs have been purchased for Borough facilities since 2009, with the possible exception of 3-way bulbs for desk lamps.	Compact fluorescent, HID and LED bulbs will be used for all applications as appropriate. 3-way CFL bulbs are now available and will be purchased for future needs.
11	Reduce the existing impervious area within the Borough by 2% through zoning incentives, innovative surface treatments, street narrowing, and other best management practices	2012	An on-street rain garden was installed as part of the South Barnard Street reconstruction project. The proposed Service Building project will reduce the impervious area from the existing footprint.	Fraser Street reconstruction planned for 2011 will narrow the cartway and use brick for sidewalks allowing for additional storm water infiltration. An additional on-street rain garden is currently being designed for the intersection of Beaver Avenue and South Allen Street
12	Establish incentives for the installation of green roofs, rainwater cisterns, and other best management practices to reduce urban runoff.	2012	The existing storm water ordinance considers these measures as a way of meeting runoff requirements. A green roof was installed on a portion of the Municipal Building in the fall of 2010.	Consider zoning incentives to encourage developers to incorporate best management practices in their projects to minimize additional storm water impacts.
13	Adopt an anti-engine idling ordinance	2009	The Pennsylvania State Legislature has adopted a statute that prohibits idling for more than five minutes. This law has state wide applicability.	No further action is required

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14 Complete a review and implement changes to land use policies as necessary to reduce urban sprawl, preserve open space, and create a compact, walkable community	2012	One of the outcomes of the State College Land Area Plan will be the development of a new land use plan and map for the Borough. Following approval by Council, these will be used as the basis for the preparation of land use regulations that will accommodate more compact, walkable development in the Borough. The Planning Commission has reviewed the land use plan and map and forwarded their recommendations on to Council.	Council has decided to terminate consideration of the future land use map. No further action required.
15 Effective immediately, purchase only Energy Star appliances for Borough facilities	2008	The Borough has done this through practice beginning in 2008, and the requirement is being written into the Borough's Purchasing Manual during the next revision. All dryers, washers, refrigerators and air conditioners at Bellaire Court have been replaced with more efficient appliances using funds from an ARRA Federal Grant. All but the dryers are Energy Star certified (Energy Star dryers are not available in the size required for the units).	Promulgate revised Purchasing Manual addressing this issue. Anticipated by 12/31/2011. Purchase Energy Star appliances at Borough facilities when they require replacement.

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<p>16 Purchase 20% of energy used by the Borough from “green” power sources</p>	<p>2012</p>	<p>After careful review of existing energy consortiums being considered by the Centre County municipalities, the Borough decided to partner with Premier Power Solutions to procure electricity. In May of 2010, Premier solicited bids for its clients' annual electricity needs. As a result of this bidding process, the Borough signed contacts in June, 2010 with First Energy for the electricity needs of all Borough properties and metered streetlight accounts, and with Allegheny Power for all unmetered streetlight accounts, resulting in a savings of approximately 5% over the price per Kwh we are currently paying. The contract with First Energy is valid for the period January, 2011 through June, 2013, while the contract with Allegheny Power is valid from June1, 2010 through May 31, 2011.</p> <p>As part of the procurement process, staff discussed with the Borough’s energy consultant the purchase of Renewable Energy Certificates to enable the Borough to achieve the 20% goal for energy use. The Sustainability Committee is currently reviewing the potential of purchasing Energy Certificates</p>	<p>Develop transition plan which will incorporate “green” power into the electrical usage of the Borough. Staff will work with suppliers to implement plan in conjunction with the lifting of rate caps by Allegheny Power on January 1, 2011.</p> <p>Determine costs of and purchase Renewable Energy Certificates equal to 20% of the Borough’s annual energy consumption. Each certificate is worth 1,000 Kwhs, and the Borough would need approximately 1,000 certificates to equal 20% of the annual energy consumption The total cost of the certificates is estimated at \$5000.</p>

Borough of State College Greenhouse Gas Inventory Progress Report Community Goals

Goal	Deadline	Progress	Next Actions
Reduce electricity usage by 10% from 2000 levels	2012	Allegheny Power has undertaken their Watt Watchers program, offering monetary incentives (rebates) to purchase Energy Star appliances, install smart meters and reduce overall electrical consumption by 3% compared to current usage.	Help advertise Allegheny Power's program and disseminate information to Borough Residents.
Increase the percentage of residents walking, biking, or using transit to commute to work by 10% over 2007 levels	2012	An application was submitted for Transportation Enhancement funding to help start a Bicycle Ambassador Program in State College. This is a proposal to develop a three year program to educate and increase awareness and enforcement of bicycle laws and policies for both bicyclist and motorist	Working with Bike Coalition to get the Centre Region designated as a Bike Friendly Community. Identify areas in the Downtown suitable for covered bicycle racks.
15% of all personal vehicles shall be the most energy efficient vehicles	2012	The Centre Region Greenhouse Gas Pilot project was completed that highlights this goal.	Help improve Community awareness of goal.
Less than 25% of residents commute via single occupancy vehicle	2012	The Centre Region Greenhouse Gas Pilot project was completed that highlights this goal.	Identify and increase opportunities for alternatives.
Purchase 20% of all electricity from "green" power sources	2015	No Action Taken	Work with Allegheny Power to build awareness of opportunities to Community