

June 22, 2009 7:30 p.m.
Wall House

The regular meeting of the Environmental Advisory Council (EAC) was held tonight. Voting members present were: Bridget Chadwick, Barbara Duffy, Bill Mettler and David McVeigh-Schultz. Also present was: Dottie Baumgarten. Staff present was: Bryan T. Havir, Assistant Township Manager.

1. Call to Order - Ms. Duffy called the meeting to order at 7:35 p.m.
2. Acceptance of Meeting Minutes - Upon motion of Mr. Mettler and seconded by Mr. Schultz, the EAC accepted the May 18, 2009 meeting minutes as written.
3. Committee Reports were as follows:

A. Watershed Committee – Ms. Duffy reported that the EAC Watershed Committee along with the Tookany- Tacony Frankford (TTF) Watershed Partnership will begin stream walks on Tuesday, June 23, 2009 to map the locations for all the daylight portions of streams and tributaries with the Township for the on-going project dealing with naming the unnamed waterways. The committee will begin at the proposed Burholme Creek. (See attached). Map

Ms. Duffy reported that she has sent e-mails to the watershed sub-committee regarding the need to hold a committee meeting next month to draft a proposed native species plant ordinance. She has had no response to date.

Ms. Duffy reported that the committee is working on a plan to change the venue for the Earth Day activities for next year.

Mr. Havir reported that he had recently become aware that the Tree Vitalize grant application for a Phase II riparian buffer planting project at Curtis Arboretum and Wall Park was being reviewed for consideration of funding for fall 2009.

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B. Energy Committee – Mr. Mettler reported on Mr. Bale's proposed letter to PECO requesting that consideration be given by PECO to purchase Positive Energy's software which is a behavior modification program for residents to give them information to help them reduce the amount of kWh's used at their residences so they can save money by modifying their energy usage patterns. Mr. Havar stated that, as a requirement of Act 129, PECO is completing an energy reduction plan that must be submitted by July 1, 2009 to the Pennsylvania Public Utility Commission (PUC). Mr. Havar suggested inviting Ms. Suzanne Ryan, PECO's Montgomery County External Affairs Director to the next EAC meeting to discuss the Act 129 process. Mr. Havar noted he attended a recent presentation where Ms. Ryan and Mr. Jim Riley of PECO discussed the plan for Act 129. He noted that PECO will be hiring a consultant to manage its compliance with Act 129. Discussion ensued about how the EAC could partner with PECO and assist in the educational component. It was noted there would be a public comment period once the Plan is submitted to the PUC. Mr. Mettler discussed some points on energy reduction that can be taken by each household in the Township.

Mr. Mettler stated that he intends to develop educational programs to be held over the course of next year (one per month in each neighborhood). By doing so, he said he wishes to raise awareness of peak oil, global warming and showing people how to lower energy bills by changing behavior.

C. Transportation – Ms. Chadwick stated that the EAC draft letter regarding the SEPTA proposed parking garage at the Jenkintown-Wyncote train station that was discussed at last month's EAC meeting was reviewed by the Public Works Committee

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last week and was signed by Ms. Duffy and mailed to SEPTA. Ms. Chadwick stated SEPTA is calculating demand study figures from the recent ridership survey and probably would not release the results until after July 4th. Ms. Chadwick discussed the current SEPTA bus #77 Route and how the route could be improved to serve more constituents in the area such as educational institutions and local industry. Ms. Chadwick discussed the Delaware Valley Regional Planning Commission's (DVRPC) transit check program. Mr. Havir briefly discussed the proposed SEPTA #72 bus route along Cheltenham Avenue. Ms. Chadwick acknowledged that the Township staff had submitted testimony to SEPTA in support of that bus route and had asked for consideration of the recommendations from the Glenside Trolley/Shuttle Feasibility Study be included in SEPTA's feasibility analysis. Ms. Chadwick also commented on the lack of an appropriate placement and inadequate amount of benches and shelters at the rear of Cedarbrook Plaza Mall where the SEPTA buses currently use as a transfer area. It was requested that this concern be conveyed to SEPTA. Discussion ensued of the need to make improvements to the pedestrian walkways through the parks to provide better pedestrian access to the adjacent train stations. Mr. Havir said the Township staff could look at the existing pedestrian walkways to determine what, if anything, needs to be improved. Ms. Chadwick would like to revisit the issue of adding bike racks and required ADA compliance at the SEPTA train station at a future date with SEPTA personnel. Ms. Chadwick said she would like to contact Mr. Boyle of the Bicycle Coalition for support.

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Mr. Havir reported on the recent improvements announced by SEPTA at the Glenside and Melrose Park train stations as part of the Federal Economic Stimulus Funding.

D. Buildings – Mr. Schultz reported that Ms. Rosenberg is still encouraging the Cheltenham Township School Board to pursue LEED certification for the Glenside Elementary School Reconstruction Project.

Mr. Schultz stated that he had planned to review a draft video later this week of the energy auditing film that was taped earlier this year. The anticipated completion date is September.

Mr. Schultz presented the results of Robert Wirtshafter's energy audit that was recently conducted at the Rowland and LaMott Community Centers. After inspection, it was determined that the Rowland boiler needs replacement. To purchase a 95% energy efficient boiler, the cost is estimated at \$71,000. To install automatic control systems to control heat in every room, there should be a two pipe system to run fans across radiators. Boiler replacement represents 30% to 33% in energy savings within a seven year pay back on investment. A distribution system is needed for an automated system and a detailed set of engineering plans eventually will need to be developed for both Rowland (heating only) and LaMott (heating and air conditioning).

Mr. Havir noted the federal Energy Efficiency and Conservation Block Grant (EECBG) will pay for the retrofit of the existing HVAC systems. It was also noted that Mr. Wirtshafter's proposal recommended the replacement of T-12 light fixtures at the Rowland Community Center as well. The EAC unanimously recommended to support

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Mr. Wirtshafter's report and for the Township to use it as a basis for applying for the EECBG which is due on June 25, 2009.

E. Communications – Ms. Duffy encouraged members to send information to Ms. Carroll for e-mail distribution. Ms. Duffy stated that e-mail addresses from Arts in the Park distribution list was added to the EAC mailing list.

4. Old Business: A grant application was filed with the Partners in the Arts Program for funding from Greater Philadelphia Cultural Alliance for a mural arts project with an environmental theme for the underpass at Keswick Avenue near Mt. Carmel Avenue. Mr. Havir stated he received a support letter from the Abington Township Environmental Advisory Council. The proposal includes five community workshops where sketches are presented to concerned citizens; the EAC's review and a public presentation to the Public Works Committees of both Cheltenham and Abington. If we are successful in receiving a grant, a contract could be signed as early as August. The project could be let as early as September, 2009.

5. New Business - Mr. Havir provided a status report on the Tookany Creek Streambank Stabilization and Restoration Project, Phase II pre-bid meeting scheduled for June 30, 2009. This project involves stabilization of 1,800 linear feet of streambank along Tookany Creek Parkway between Jenkintown Road and New Second Street. The Township met with Matrix representatives regarding the streambank project to make sure there would be no adverse impact from Matrix's proposed development of the former Ashbourne Country Club property. Following a lengthy discussion, the EAC raised concerns about the impact of Matrix's proposed development plans on the steep slopes, flood plain and riparian buffer area. The EAC requested to see a copy of the proposed

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conceptual development plan submitted for the Zoning Hearing Board Meeting scheduled for July 13, 2009. Mr. Havir said he would pass along the EAC's concerns to the Township Engineer.

Mr. Havir reported that notification letters were mailed regarding the second broadcast spraying on invasive plant material scheduled for the week of June 29, 2009, along a 0.63 acre section of Tookany Park between New Second Street and Jenkintown Road, which will be performed by Shades of Green, Inc. Five township residents have been notified on the hypersensitivity list.

Mr. Havir also reported that the Growing Greener Grant application is due to Department of Environmental Protection on July 16, 2009. Several ideas were discussed: Retro-fitting retention basins behind homes in Elkins Park across from the School Administration building and continuation of the Township's invasive species removal program. The EAC recommended pursuing a riparian buffer enhancement project at either Rock Creek Park or at Coventry Park in conjunction with Temple University. This grant requires a resolution of support being adopted by the Board of Commissioners.

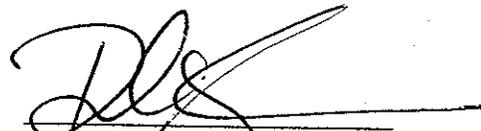
It was announced that the next Climate Change Task Force Meeting being sponsored by the Greater Valley Forge Transportation Management Association (GVFTA) will be held on Friday, June 26, 2009 from 9:00 p.m. to 11:00 p.m. at the Upper Merion Township Building.

The EAC also discussed a local Climate and Energy Program grant application due July 22, 2009 to the Environmental Protection Agency (EPA) for a greenhouse gas initiative that would help fund building audits in the Township. The grant award would range from \$100,000 to \$500,000. The EAC recommended to have staff contact

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Montgomery County Planning Commission and use the same project proposal previously submitted last year for the State's Greenhouse Gas grant program, and repackage the proposal for the latest EPA funding opportunity.

6. The meeting adjourned at 9:38 p.m. The next meeting is scheduled for July 20, 2009 at the Township Administration Building.



David G. Kraynik
Township Manager

Naming the Un-named Streams Project: Creek walks
June and July 2009

As part of this project we need to document the longitude and latitude of each stream. The EAC Watershed sub-committee, along with TTF Watershed partnership, will walk the streams from their junction at the main stem of Tookany Creek to the start of the tributary. We will use a GPS to map the stream and will photograph important aspects of the streams. These facts and photographs will help with our application process for naming these streams.

The following are the dates and streams to be walked:

Tuesday, June 23-- Burholme Creek, Brookwood Run (Parkview Park) and Milltown Creek

Tuesday, June 30-- Leeches Run, Barker's Run, Main stem headwaters from Church Road to start of stream behind leaf composting site.

Tuesday, July 7-- Baeder Creek

Tuesday, July 14-- Shoemaker Run

Tuesday, July 21-- Rock Creek

Our walks are on five consecutive Tuesdays. We are hoping to schedule the following Wednesday's as the rain dates.



Cheltenham Township Community Centers Retrofit Plan

Description of Energy Savings Measures

An energy analysis of Rowland and La Mott Community Centers has identified a number of energy efficiency opportunities that are included in this proposal. The major areas of savings are as follows:

- Install new high efficiency heating system at Rowland
- Install Building Automated Systems at Rowland and La Mott
- Replace existing lighting in Rowland

Install new high efficiency heating system at Rowland

The existing heating system at Rowland is old and not reparable and is scheduled for replacement. This system uses a simple two-pipe system that circulates through the entire building. There is no zoning, and piping runs include both the occupied areas on the first floor and the second floor, which cannot be occupied because of fire code and is presently used as a storage area. The heating is delivered to each room by a single internal blower unit. The entire system is controlled by the antiquated pneumatic control system that is supposed to work off individual room thermostats.

The current plan calls for installation of just a new boiler piping into the existing piping and distribution system. We are proposing here to instead install a new system that is more efficient and offers better system control. One of the biggest energy saving opportunities in the building is to lower room temperatures during the times when the building is unoccupied. Only a few areas of the building are used 20% of the year, while other large areas are occupied less than 10% of the time. Setback of temperatures would offer a major energy savings, however, the existing distribution system does not lend itself to control of the individual room temperatures.

The new boiler system would allow for finer control of individual room temperatures. The exact configuration of the system cannot be finalized without a set of engineering specifications, the development of which is included in the proposal. However, we have estimated the rough costs of the system at 71,000.

The energy saved from the new system will result from two elements: the improved efficiency of the new system, and the savings from temperature setback. Because the savings achieved is dependent on having both a new heating system and a building automated system, we present the combine energy savings after we describe the building automated system.

Install Building Automated Systems (BAS) at Rowland and La Mott

The rooms in both community centers are vacant most of the time, yet the current control strategy does not have the ability to lower temperatures after room occupation is complete, and turn the heat back on again before the next time the room is needed. The load characteristics of both buildings make them ideal candidates for a BAS. In most cases, the rooms are unoccupied almost all of the time. For

example, only the main office and one activity room in Rowland are occupied more than 30 hours per week, with the other rooms having occupancy of less than 10 hours per week. This means, these rooms can have their temperatures setback around 90% of the time. Both buildings have an established schedule that can be programmed into the BAS. Based on outdoor temperatures, the systems will be able to calculate what start up times are needed to bring the rooms up to temperature when the rooms will be occupied. The BAS will also control the newly installed air conditioning systems at La Mott and reduce peak demand charges. The control systems will cost \$25,000 for each building.

Replace existing lighting in Rowland

Most of the lighting at Rowland remains T-12 fluorescents. Our audit identified 220 individual 4-foot lamps that should be replaced. Most of these are in hanging fixtures with two lamps and one magnetic ballast. The proposal seeks to replace these lamps with high efficiency T-8 lamps with electronic ballasts. We estimate this will cost around \$235 per 2 lamp fixture or \$25,800 for all 110 fixtures.

Calculation of Energy Savings

The energy consumption for the two buildings is shown in Table 1.

Table 1: Energy Consumption at Rowland and La Mott

	Rowland	La Mott
Total Cost of Gas (April 2008-09)	\$27,246	\$12,495
Ccf consumed	19,640 ccf	8,822 ccf
Value of ccf saved (average 2008-09)	\$1.28	\$1.38
Total Cost of Electricity (April 2008-09)	\$19,534	\$7,393
Value of 1 kW saved for 12 months	\$156.29	\$156.58
Value of marginal kWh saved	\$0.086	\$0.086

It is expected that La Mott's electricity bill will increase significantly because of the air conditioners being installed this summer.

Gas Saved for Space Heating

It is estimated that 95% of the gas used at Rowland and La Mott is for heating (18,658 and 8,380 ccf, respectively). It is further assumed that the current heating system is achieving a 60% efficiency, though in all likelihood given the long distribution runs to the second floor area that is not used, the effective efficiency is much lower.

The new 95% efficient heating system at Rowland will use 11,784 ccf/yr; a savings of 6,874 ccf (18,658 - 11,784). It is estimated that the BAS system can reduce energy use another 30% by setting back temperatures during 80-plus percent of the time rooms are not occupied. This means another 3,535 ccf savings at Rowland (11,784 * 30%), and 2,514 ccf at La Mott (8,380 * 30%).

Electricity Saved from Heating and Cooling

At Rowland, the BAS will also save electricity by turning off distribution fans when not in use in winter, and for all of the summer (fans operate 8,760 hours under current set up). There are 8 fans in the rooms to be controlled with each fan sized at 1/6 hp. Shutting units off will save 1 kW (8 fans * 1/6 hp/fan * .75 kW/hp) and approximate 7,000 kWh (1 kW * 7,000 hours per year). At La Mott it is expected that duty cycling of the air conditioning units can shave 10% off of the peak demands each month. This results in a reduction of 2 kW (10% * 22 tons AC capacity * 0.93 kW/ton).

Electricity Saved from Lighting

Table 2 shows the expected lighting savings for Rowland.

Table 2: Lighting Measures in Rowland

Room	Hrs/week	Number of Fixtures	kWh old lamps	kWh new lamps	kWh Saved/yr
Art Room	40	23	4592.64	3061.76	1530.88
Office	40	10	1996.8	1331.2	665.6
Community Meeting	15	14	1048.32	698.88	349.44
Back Hallway	40	7	1397.76	931.84	465.92
Game Room	20	8	798.72	532.48	266.24
Bathrooms	40	12	2396.16	1597.44	798.72
Police Room	12	14	838.656	559.104	279.552
Front Hallway	60	22	6589.44	4392.96	2196.48
Total		110	19,658	13,106	6,553

Summary of Project Savings

Table 3 highlights the project costs and benefits

Table 3: Project Summary

	Cost	Therms Saved per Year	kWh Saved per Year	kW Saved per Year	\$ Saved per Year
Replace Rowland Boiler	\$71,000	6,874	7,000	1	\$9,560
Install Building Automated Systems	\$50,000	6,049			\$7,800
Replace Lighting	\$25,850		6,563	3.5	\$1,117
	\$146,850	12,923	13,563	4.5	\$18,477

Notice of Township Planning Reviews

Cheltenham Township Planning Commission June 22, 7:30 PM

Cheltenham Township Building & Zoning Committee July 7, 8:00 P.M.

Zoning Hearing Board July 13, 7:30pm

Conveyed by:
Joe and Maggie Vescovich
Friends of Tookany Creek Parkway

Notice is Hereby given that an application for zoning relief on the property will be reviewed by the Cheltenham Township Planning Commission on June 22, 2009 at 7:30pm and the Cheltenham Township Building and Zoning Committee at 8:00pm on July 7, 2009. These meetings will be held in the Township Administration Building's Boardroom at 8320 Old York Road, Elkins Park, PA 19027"

This application will be heard by the Zoning Hearing Board on July 13, 2009, at 7:30pm at Curtis Hall, Greenwood Avenue and Church Road, Wyncote, PA.

Proposal is for:

- Age Restricted Development: 88.65 acres of site

The total number of dwelling units for the Age Restricted Development will vary from 103 dwelling units to 309 dwelling units depending on market demand.

- Apartment Complex: 15.8 acres

The Apartment Complex will consist of eleven (11) buildings with 16 apartments per building: 176 units total.

Access to be off of Jenkintown Road.

The total number of dwelling units being proposed will vary from 279 to 485 depending on market conditions.

Parking Spaces: For the age restricted portions requesting a greater amount of parking of 1287 spaces instead of the maximum permitted, which is 633 parking spaces. For the apartments requesting a greater amount of parking of 352 spaces instead of the maximum permitted, which is 317 parking spaces.

Development: variances from the rules and regulations of the "Steep Slope Conservation District", and "Floodplain Conservation District". Storm water management facilities within Riparian Buffer (creek) areas.

Preservation: A variance from the entirety of the rules and regulations of the "Preservation Overlay District"





Local Climate and Energy Program

\$10 million Climate Showcase Communities Grant Program

EPA is announcing the availability of up to \$10 million in "Climate Showcase Communities" grants for local and tribal governments to establish and implement climate change initiatives. EPA requests proposals which create replicable models of sustainable community action, generate cost-effective and persistent greenhouse gas reductions, and improve the environmental, economic, public health, or social conditions in a community.

How many grants will be awarded?

The agency expects to award a total of approximately 30 cooperative agreements ranging from approximately \$100,000 to \$500,000. Approximately 5% of the funds (\$500,000) are set-aside for tribal governments. EPA expects to award 1-3 grants under the tribal set aside.

Who is eligible for the grant program?

Eligibility for the program includes local governments (a county, municipality, city, town, township, local public authority, school district, special district, intrastate district, council of governments, any other regional or interstate government entity, or any agency or instrumentality of a local government), federally recognized Indian tribal governments, and inter-tribal consortia.

Are applicants required to provide matching funds?

A 50% cost-match or cost-share is required for this program with the exception of tribal governments and intertribal consortia which are exempt from matching requirements. The cost share and/or match can be in the form of cash or as in-kind contributions, such as use of volunteers and/or donated time, equipment, expertise, etc.

What is the application deadline?

Proposals are due by July 22, 2009, at 4:00 p.m. EDT. An optional notice of intent to apply is requested by July 1, 2009.

Who will administer the grant program?

The Grant program is administered by EPA's Local Climate and Energy Program, an initiative to assist local and tribal governments to identify, implement, and track policies and programs that reduce greenhouse gas emissions within their operations and surrounding communities.

What resources will be available to grant recipients?

Over the course of the grant program, EPA will offer peer exchange, trainings, and technical support to grant recipients. Each grant recipient will be profiled online and in EPA materials. EPA will share lessons learned from the grant program with communities across the nation.

For more information:

<http://epa.gov/cleanenergy/energy-programs/state-and-local/showcase.html>

To download the Request for Applications:

<http://www.epa.gov/air/grants/09-08.pdf>

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