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PUBLIC SERVICES & ENVIRONMENTAL COMMITTEE

COG Building – Forum Room
Monday, October 10, 2016
8:30 AM

AGENDA

1. CALL TO ORDER

Mr. Hameister will convene the meeting.

2. CITIZEN COMMENTS

Members of the public are invited to comment on any items not already on the agenda (five minutes per person time limit, please). Comments relating to specific items on the agenda should be deferred to that point in the meeting.

3. APPROVAL OF MINUTES

A copy of the minutes from the September 1, 2016 Public Services & Environmental Committee meeting is *enclosed* for approval.

4. RECYCLING REBATE – SCHLOW LIBRARY RECYCLING CONTAINERS – *Presented by Pam Adams and DJ Lilly*

Schlow Centre Region Library is upgrading its recycling program, both for the public and for staff, for multiple reasons, including the positive impact on the environment and economy. The goal is to make recycling more convenient—and thus more likely to happen—for everyone by adding more containers in appropriate places in the building to collect more types of recyclable materials.

To expand recycling collection, the Library plans to add Busch Waste Watcher collection bins (pictured to the right) for glass, metal, plastic and waste at strategic points in the Library: inside the front door, in the Community Room, and in the Staff Kitchen. These three locations are where the majority of non-paper recyclables are used and currently thrown out with the regular trash. In 2011 Millbrook Marsh purchased these containers for the Spring Creek Education Building.

Library staff reports regularly finding empty bottles and cans sitting on the ledge over the garbage can inside the front door as people divest themselves of their beverages on their way in or out but are reluctant to add them to the landfill. The Community Room hosts

hundreds of both Library and community events annually, often including beverages served in containers that could be recycled. And, finally, our Staff Kitchen is where the majority of such items are consumed by staff on their meal breaks.

Each of these Busch Systems Waste Watchers units will include four removable bins for easy emptying as well as interchangeable signs, should staff decide to switch to collecting something different in the future. The bins will come with a single-unit cart so that our maintenance staff can easily clean under them and so they can be moved to be used during special events.

The total cost for this project should not exceed $1,800 and can be funded with the higher than anticipated recycling rebate. The recycling rebate received in 2016 was $4,985 over the budgeted amount of $15,000. *Enclosed* is a summary of the Recycling Rebate deposits and expenditures. This project's costs will be applied to the budget line item account for refuse and recycling containers. Please note that there was another unexpected expense in 2016 so this line item will be $2,540 over budget. Expenditures for the refuse and recycling account in 2016 are presented below"

	Budget	Expenses	Item	
C60-427-00-8750	$4,500	$4,140	Backyard compost containers	budgeted
		$1,100	COG Building Organic Recycling Pilot	approved 8/16
		$1,800	Schlow Library Recycling Containers	
	$4,500	$7,040		

To proceed, the Public Services & Environmental Committee is asked to consider the following motion:

> ***That the Public Services & Environmental Committee supports the Schlow Centre Region Library recycling project that would provide for (3) sets of recycling containers on-site and not exceeding costs of $1,800 to be paid by the COG Refuse and Recycling Budget."***

5. UAJA SEWER SERVICE TO THE PENN STATE CAMPUS AND THE PROPOSED MORGAN ADVANCED MATERIALS BUILDING AT INNOVATION PARK – *Presented by Jim May*

This item is a request for the Public Services and Environmental (PSE) Committee to recommend that the University Area Joint Authority (UAJA) provide public sewer service to portions of the campus traditionally provided sewer by the UAJA, including service to the proposed Morgan Advanced Materials building in Innovation Park.

During its February 2015 meeting, the UAJA Board of Directors agreed it needed clarification from COG regarding a service request from Penn State University to service its new water treatment plant. UAJA indicated "while it (PSU) is inside (the sewer service

area), no allowances for capacity at UAJA were included in the Act 537 Plan and thus service to PSU most likely would require modifications to the Act 537 Plan." Prior to this action, UAJA provided sewer service to a number of areas on the Penn State campus (North Campus Area, West Campus Area and and Innovation Park as defined in the *enclosed* May 26, 2015 letter from PSU) without requiring any action by COG.

At its July 7, 2015 meeting, the PSE Committee recommended that the UAJA provide sewer service for the Penn State Water Treatment Plant. As a result of the same meeting, the COG General Forum at its July 27, 2015 meeting directed the CRPA to work with the PSE Committee to develop a policy that would address wastewater collection and treatment in those areas where UAJA currently provides service to the University in an effort to provide clarity. The CRPA has started working on this policy, but is behind due to staff attrition.

The Centre Regional Planning Agency (CRPA) is recommending that the PSE Committee take action to allow service to areas of campus traditionally served by the UAJA, and provide service to Morgan Advanced Materials. Morgan is a United Kingdom-based global engineering company, and plans to open a 30,000-square-foot research and design facility at Penn State's Innovation Park by late 2017. Called the *Carbon Science Center of Excellence*, the building is part of a partnership between Morgan and the University, which the pair announced in July 2016. Morgan manufactures high-performance ceramics and composites and will use this facility to advance carbon research and development of materials. The single-story center will be constructed between buildings 230 and 330 at Innovation Park, and is expected to generate 3,000 gallons/day of sewage.

Pending the completion of the CRPA study, the Committee is asked to consider the one of the following options and related motion:

Option A: This option will give the University the expectation that the UAJA will continue to provide sewer service to areas traditionally served by the UAJA without COG approval while the policy is being crafted.

The Public Services and Environmental Committee recommends the University Area Joint Authority (UAJA) continue to provide domestic wastewater treatment to Penn State facilities that the UAJA currently serves and furthermore UAJA should continue to provide sewer service to new buildings that are located in areas of campus traditionally served* by the UAJA. This includes the proposed Morgan Advanced Materials building. (*North Campus Area, West Campus Area and Innovation Park)

Option B: This option will direct the UAJA to provide service for the Morgan Advanced Materials building only. This would indicate that prior to

the CRPA study and approval of a new policy, any future service requests to the UAJA from PSU would be presented to the PSE Committee for approval.

That the Public Services and Environmental Committee recommends the University Area Joint Authority provide service for the Morgan Advanced Materials building.

6. MS 4 PARTNERS PRESENTATION

The MS4 Partners will present information regarding the required Chesapeake Bay Pollutant Reduction Plan (CBPRP) and Impaired Waters Plan that are required with the upcoming new National Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Sewer Permit (MS4) which will be issued in 2018. The group will provide the latest ruling on shared nutrient reduction and discuss their regional approach to meet the requirements of this permit.

Municipalities and other institutional entities such as universities and prisons that meet certain standards must obtain NPDES permit coverage for discharges of stormwater from their municipal separate storm sewer systems (MS4s). A municipal separate storm sewer is any conveyance or system of conveyances (including but not limited to streets, ditches, and pipes) that is:

- owned by a municipality or other public body (created under state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater or other wastes;
- designed or used for collecting or conveying stormwater;
- not a combined sewer (i.e., not intended for both sewage and stormwater); AND
- not part of a publicly owned treatment works (POTW).

This item is presented for informational purposes only and does not require action from the Committee.

7. POTENTIAL LOCATIONS TO EXPAND BENEFICIAL REUSE TRANSMISSION LINES INSIDE THE REGIONAL GROWTH BOUNDARY AND SEWER SERVICE AREA

This item presents a draft report on potential expansion opportunities for the University Area Joint Authority's (UAJA) Beneficial Reuse Project. This report, which will be presented to the Centre Regional Planning Commission (CRPC) at their October 6, 2016 meeting, proposes corridors for expansion of the transmission system to potentially be used to designate a beneficial reuse service area, and provides some possible recommendations for the region.

The overall goal of this work item is to identify locations where the UAJA may be able to install additional reuse water transmission lines within the Regional Growth Boundary

(RGB) and Sewer Service Area (SSA) to support economic development and provide groundwater recharge opportunities in the Spring Creek Watershed. The UAJA included this project as part of a request to update the Centre Region Act 537 Sewage Facilities Plan in August 2014. The Plan must be amended in order to allow expansion of the transmission system.

The mission of UAJA's beneficial reuse of treated water initiatives is *"To enhance the environment, quality of life, and economy of the Centre Region by reuse of reclaimed water."* In support of that mission, the analysis will attempt to achieve the following:

- Identify areas where there are opportunities to extend pipelines to provide beneficial reuse water to existing and future commercial businesses, industrial and manufacturing operations, and other significant water users as an alternative to potable water.

- Identify areas where the system can be expanded to augment existing waterways and wetlands in the Spring Creek Watershed in order to provide a consistent supply of water to help recharge the groundwater aquifer.

- Consider providing a regional review and approval process in future Act 537 Plans whereby beneficial reuse water lines can be expanded without having to formally amend the Act 537 Plan through the Pennsylvania Department of Environmental Protection (DEP). This may include establishing geographic boundaries for a beneficial reuse water service area.

- Consider amending the regional policy where half of beneficial reuse water is used for environmental purposes and half is used for economic development projects.

Centre Regional Planning Agency (CRPA) staff believes the beneficial reuse water from the UAJA is an underutilized resource that has potential for expanded use in a variety of industrial and commercial applications where potable water is currently used in manufacturing or other operations. Currently, the UAJA is only allowed to provide water to customers along the existing transmission line unless the Centre Region Act 537 Plan is amended to allow additional lines. This has proven to be prohibitive to economic development in the region due to the length of time required for an Act 537 amendment, which conflicts with the immediate water needs for many industries looking to establish themselves the region. Additionally, there is potential to distribute more beneficial reuse water to groundwater recharge sites in other areas of the region. Designating a formal service area that indicates locations where the UAJA is able to provide beneficial reuse water will allow new transmission lines to be installed in those areas without having to formally submit an amendment of the Act 537 Plan to the Pennsylvania Department of Environmental Protection.

CRPA staff has completed some preliminary spatial analysis to identify additional areas where the water could be distributed within the RGB and SSA. Utilizing the CRPA's geographic information systems (GIS) technology and a number of spatial datasets, staff conducted an analysis of the existing conditions inside the RGB and SSA to determine where existing and future economic development activities are most likely to promote a market for the reuse water. Spatial datasets that were analyzed included the locations of existing transmission lines, existing customer locations and recharge sites, municipal zoning districts, waterways, and roadways. This resulted in the development of some corridors where there may be a strong potential to utilize the water. Additionally, "clusters" of potential future business and industrial customers were identified as a means to focus the efforts of future transmission line expansion.

Spring Creek and its tributaries, as well as wetlands within the RGB and SSA were studied to explore the possibility of developing additional locations similar to the existing Kissinger Meadow site. There may be opportunities to use the water to augment these natural locations or to construct artificial wetlands nearby.

The draft report, *Potential Locations to Expand the Beneficial Reuse Water System*, explains the findings of the spatial analysis and proposes some options for designating a beneficial reuse service area. Due to the file size of this report, it can be accessed through the following link: http://ow.ly/jLqn304NX6h. You can also find the attachment on CRPA's website.

The PSE Committee should review the draft report and provide comments and guidance for future work on this item. Comments received from the CRPC on October 6, 2016 will be reviewed verbally at this meeting.

8. OTHER BUSINESS

A. Matter of Record – *Enclosed* is a "Smart Scorecard for Development Projects" that is also being shared with the Transportation and Land Use (TLU) Committee to provide insight for their discussions regarding expedited reviews. It says that the scorecard's "primary function is to foster more effective communication about what the community and developer have as common objectives. The key objective is to find the intersection that integrates the community's goals, the site's opportunities, and the developer's economic viability." The information is being shared because PSE and TLU Committees may benefit from some mutual understanding on this issue.

B. Matter of Record – *Enclosed* are two flyers regarding water resource collaboration in the form of a master class and open lecture on October 18th with Dr. Clive Lipchin, Director of the Center for Transboundary Water Management, The Arava Institute, Israel.

9. ADJOURNMENT