



## **AGENDA**

### **EPC REGULAR MEETING**

**Monday, February 22, 2016**

**7:30 - 9:30 PM**

**City Hall, Room 2000 (Second Floor)**

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|--------------------|--|
| <b>7:30 – 7:35</b> | <b>Welcome and Public Comments</b>                                       |
| <b>7:35 – 7:50</b> | <b>Staff Consent items and EPC updates</b>                               |
| <b>7:50 – 8:05</b> | <b>Long Range Work Program and EAP Review (Chair, Jim Kapsis)</b>        |
| <b>8:05 – 8:35</b> | <b>Discuss Sustainability Coordinator Workshop Concept Note (Kapsis)</b> |
| <b>8:35 – 8:50</b> | <b>Indicators Discussion (Geoff Goode)</b>                               |
| <b>8:50 – 9:20</b> | <b>Waste Recovery follow up discussion (Tyler Orton)</b>                 |
| <b>9:20 – 9:30</b> | <b>Agenda for next Work Session and full meeting</b>                     |
| <b>9:30</b>        | <b>Adjourn</b>   |

City Staff Update: 2/19/16

Prepared by Lisa Goldberg and Khoa Tran

1. The Alexandria Earth Day 2016 Committee met on February 3 and 17. Natasha Andersen chaired these meetings. The event is scheduled for April 30 at the Lenny Harris Memorial Fields 1005 Mt. Vernon Avenue adjacent to the George Washington Middle School. City Staff and Alex Renew released the call for nominees for the Ellen Pickering Award. The art design logo winner was selected supporting the theme "Choose to Reuse-The Choice is Yours".
2. City staff has finalized the City's 2015 Top 10 Environmental Achievements. Highlights include 1) recognition of the City's Municipal Storm Sewer System (MS4) Program by the Water Environment Federation's (WEF) National Municipal Stormwater and Green Infrastructure Awards Program; 2) City's 48% solid waste recycling rate; 3) increased tree plantings, maintenance and invasive plant management milestones within the Urban Forestry Master Plan (UFMP); and 4) successful "Solarize Alexandria" program.
3. City Staff is collecting data for the 20 Environmental Indicators for 2015 report. The update will be announced at Earth Day.
4. City staff and its remediation contractor are reviewing the upland soil gas and groundwater monitoring and community relations plans for the Oronoco outfall remediation project. Three proposals were submitted in response to an RFP for professional services to review the existing dredging and capping remedial design. The most qualified consultant will be selected by the end of February.
5. The Old Town North Small Area Plan sub-committee on Transportation, Infrastructure and Environmental Sustainability met on February 10. See Scott Barstow's update for more information.

Environmental Policy Commission Minutes  
February, 8 2016 Regular Meeting

**EPC Members in Attendance**

x	Jim Kapsis (Chair)	<input checked="" type="checkbox"/>	Susan Gitlin	x	Scott Barstow
<input checked="" type="checkbox"/>	Tyler Orton		Jed Bullock	x	Annika Moman
<input checked="" type="checkbox"/>	Aaron Karty	<input checked="" type="checkbox"/>	Natasha Anderson	x	Geoffrey Goode
x	Ryan Wojtanowski	x	Steve Milone	x	Jessica Lassetter
x	Kyle Winslow				

X= Present

**City Staff**

Khoa Tran, Bill Skrabak, Lisa Goldberg, Michael Clem

**Other Attendees**

**Begin 7:35 PM**

**Public Comment**

- None

**Staff Consent Items and EPC Updates**

- Ryan Wojtanowski gave an overview of issues discussed at the Waterfront Commission's recent meeting, in regard to potential options being proposed in the plan.
  - o The commission will get a briefing from The City on the environmental impacts of the Waterfront Plan

**Recycling Update - Michael Clem, Recycling Specialist, TES**

- Alexandria has no authority to do things such as restrict plastic bags or styrofoam containers due to the Dillon-Rule
  - o Virginia has no rule for the processing of CRT's
  - o Alexandria has the authority to change preparation requirements and the submission of plans and disposal requirements
- Alexandria provides 30% of waste collection service and 70% is private contracts
  - o Private contractors get to choose where their waste goes
- Alexandria generates 166,000 tons of waste per year and has a 48.8% diversion rate
- Waste services cost \$337 per year for residents
- Has a 7 million dollar budget
- Hazardous waste is particularly expensive to collect and dispose of
- Businesses are required to recycle the two materials that are most prevalent or commodities that they produce
- Virginia gives municipalities a 5% credit for marking and outreach that focus on backyard composting, leaving your grass in place, and reusing road materials
- Recycling goes to Material Recovery Facility (Elkridge, Maryland) which is 45 miles away. In December the cost to dispose fo recycling was \$7 per ton
  - o Historically \$300,000 dollars in revenue from recycling was collected
- Leaves and woody waste go to the Eisenhower Leaf Storage Facility
- Green Waste goes to Prince George County, MD (24 Miles)

- Waste-To-Energy Facility
  - o Waste volume is reduced by 70% the other 30% goes to the landfill
  - o Cost per ton is \$43.17 until 2025 after that it goes to \$0 until 2038
  - o Alexandria and Arlington are required to bring at least ~45,000 tons to Covanta Alexandria is around 22,000 tons
  - o The ash is buried in Lorton
- Household Hazardous waste costs around \$1,500 per ton to be processed (450 tons per year) and costs around \$250,000 per year to operate from the city
- Income for recycling in Alexandria has dropped from a revenue of more than \$100 per ton to paying \$7 per ton
  - o China's demand for materials has dropped
  - o Recycling collected is a lower grade
  - o Oil prices have dropped
- The cost to have the recycling sorted is \$72 a ton
- Michael believes that pushing the diversion rate too high will hurt the economics of waste diversion in the city
- Alexandria's contamination rate is around 14%
- Overall thoughts from Michael:
  - o Only recycle/compost when economically feasible
  - o Be realistic about consumers attention span for information
  - o Tell consumers to recycle right
  - o Understand that some things may be better to go to the waste to energy plant
  - o Set a prudent recycling goal
- Is there any calculations being done on emissions values of recycling specific items?
  - o They are done on the standard recyclables
- Diversion Rates and Costs:
  - o See presentation slides
- What can EPC do to help?
  - o Everyone pays the same rate for waste removal
- Waste Per Household
  - o Trash 33lbs
  - o Recycling 14lbs
  - o 25lbs
- Why doesn't Alexandria do Pay as you Throw?
  - o There is a potential misconception that everyone produces the same amount of waste
  - o The misconception that trash would end up in other places
- Glass
  - o 1800 tons collected per year
  - o Cost to process \$129,600 (\$72 per ton)
  - o Currently used as inert daily fill in the landfill
  - o

#### **Discuss Sustainability Coordinator Workshop Concept Note**

- This item has been moved to the EPC's next work session

#### **Indicators Discussion**

- This item has been moved to the next work session

**Annika Moman: Update from Transportation Commission meeting held Wed Feb 17<sup>th</sup>**

Primary agenda item was the public hearing on the West End Transitway project. Staff was seeking endorsement from the Commission for the Build Option. EPC has received a presentation on this option in the past, and staff will come back to us for input as they move into design.

The focus of the Commission discussion was on the cost differential between Transportation Systems Management (TSM) and Build. TSM cost is ~\$50M, while Build is ~\$130M. The increase in ridership, and decrease in transit times, was not proportional to cost. TSM is predicted to be almost twice as cost effective in those two metrics. Staff presented many other reasons to select Build, including Bike/ped improvements, stormwater enhancements, additional tree cover, and general aesthetics. Also, the Build option is likely to be a net zero cost to the City because it will qualify for state and Federal grants, as well as developer contributions. TSM is unlikely to qualify for the same funding. A Commissioner from the Planning Commission commented that the Build option is consistent with several Small Area Plans already approved, and that progressive transit design is a signal to the development community that Alexandria is serious about their future.

Two members of the public testified that they felt there was a poor public engagement process and lack of consideration of the residents' wishes, specific to the Sanger/Van Dorn intersection. They also said that the characterization of the Build option as the "Locally Preferred Option" was not accurate, and that residents were not supportive of transit development in support of development in general.

The Commission voted to support the Build option 8-1. The dissenting Commissioner cited cost effectiveness as his primary concern.

A Complete Streets update was provided. Many projects have been completed in the last year, drawing down a backlog of funds. The backlog of funds will be depleted by the end of 2016, and the program will operate with funds received in the budget process, and any grants that can be won. Several Commissioners commented on the cost effectiveness of Complete Streets, saying that the residents notice improvements immediately upon completion of the projects, often through the relatively simple addition of painted lines. Council members and the Director of T&ES were encouraged to fund Complete Streets as much as possible. The Bike Ped Master Plan provides a long list of additional projects for years to come.

VDOT provided an update on the I-395 HOT lanes, which will be modified to allow SOVs on a demand based pricing model. There was much discussion about the TDM study that VDOT is starting next month, and a request that a BRT system, like the West End Transitway, be part of the TDM study (and an implied request for some funds as well). VDOT said that revenue may not be split amongst jurisdictions according to a formula, but rather transit projects funded that best benefit the region. An example was VRE expansion; while not in Alexandria per se, any increase in ridership and service would directly benefit our City. VDOT said that when they met with jurisdictions affected by the "66 Inside" project, they also decided not to split revenue according to a formula. **NOTE: Construction starts in the Spring of 2017; this was a surprise to most of us. DC has not finalized any plans to deal with the 14<sup>th</sup> St Bridge bottleneck.**

**Here's my write-up for OTN SAP AG: \***

After finishing the intensive charrette process in November, the Old Town North Small Area Plan Advisory Group has divided up into subcommittees in addition to holding its regular meetings (one of which was canceled due to weather). One of the subcommittees is on Infrastructure and Environmental Sustainability & Transportation. Maria Wasowski, the chair of the Advisory Group (and of the city's Transportation Commission) is co-chairing this with me.

The subcommittee's first meeting was devoted to a review of feedback received from the charrette, city staff presentations, and general discussion, with the first half of the meeting devoted to transportation and the second focusing on environmental sustainability and infrastructure. At this point the discussion are at the 10,000 foot level, although we occasionally got into specifics. For the half of the meeting devoted to environmental sustainability and infrastructure, Khoa gave a presentation focusing on the idea of making the Old Town North area an "Eco-District", and the various environmental sustainability issues that might encompass (water quality, CSO's, tree canopy, GHG's, etc.). The subcommittee discussed what it meant for Old Town North to be an "Eco-District," and as there isn't a set of measurable criteria associated with this label, I volunteered the Environmental Policy Commission to come up with a recommendation for this.

I would be happy to lead an effort to come up with a draft set of recommendations that we could use as the basis for a letter to the OTN SAP AG. I believe we should try to finalize our recommendations before the next subcommittee meeting, which is scheduled for April 13th.

-Scott

\*Old Town North Small Area Plan Advisory Group



Legislation Text

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File #: 14-4916, Version: 1

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City of Alexandria, Virginia

MEMORANDUM

**DATE:** FEBRUARY 17, 2016

**TO:** THE HONORABLE MAYOR AND MEMBERS OF CITY COUNCIL

**FROM:** MARK B. JINKS, CITY MANAGER /s/

**DOCKET TITLE:**

Discussion of the Draft FY 2017 Interdepartmental Long Range Planning Work Program.

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**ISSUE:** What planning work priorities should be established for FY2017?

**RECOMMENDATION:** (1) Indicate concurrence with staff listed planning priorities for FY 2017, or (2) Indicate where changes to staff recommended planning priorities should be considered.

**BACKGROUND:** Each year, the Planning Commission and City Council are asked to provide preliminary input on a Draft FY 2017 Interdepartmental Long Range Planning Work Program. The input from the Planning Commission and City Council will help inform development of the FY 2017 City Manager's Proposed Operating Budget, scheduled to be released in late February 2016. A final Interdepartmental Long Range Planning Work Program will be docketed for City Council approval in May 2016, after adoption of the FY 2017 Budget.

As in previous years, the City departments and agencies that are engaged in long range planning and plan implementation have jointly prepared a draft work program for the upcoming fiscal year (see Attachment 1). The draft work program includes new plans scheduled to begin in FY 2017, the completion of plans and studies now underway, and implementation of previously approved plans.

The Planning Commission considered this item on January 7, 2016 and was in general agreement with the proposed draft work program. The Planning Commission noted that North Potomac Yard remains a high priority for the City and should proceed in a timely manner. In addition, the Planning Commission noted the importance of parking management being addressed on a citywide basis in a future work plan, with attention to the process for establishment of residential parking districts.

**DISCUSSION:** The work program coordinates the planning work programs of the Department of Planning and Zoning; the Department of Project Implementation; the Office of Housing; the Department of Recreation, Parks and Cultural Activities; the Department of Transportation and Environmental Services; the Office of Historic Alexandria; and the Department of General Services, as well as the ongoing redevelopment activities of the Alexandria Redevelopment and Housing Authority (ARHA). Work program elements were evaluated by the above departments with the City Manager's Office, the Department of Code Administration, Alexandria City Public Schools, the Alexandria Economic Development Partnership and Visit Alexandria.

The proposed work program reflects the City Council's Strategic Plan, the interdepartmental nature of the planning program, and the resources needed to complete each project at the recommended level of effort on each project. As is usually the case, there is greater demand for work to be undertaken and completed than there are staff and technical resources to devote to it. The work program endeavors to balance demand for interdepartmental planning and development review with staff, community and City Council decision making capacity to do so, while also taking advantage of market opportunity and enabling future real estate tax base growth and developer contributions toward public benefits.

### **Evaluating Potential Planning Projects for FY 2017**

The basic approach to developing the proposed work program involves some constants from year to year: projects that have been started should be completed, adopted small area plans are generally followed by plan implementation, and there will be projects led by one department that will require contributions by other departments.

Important guidance in terms of prioritizing interdepartmental planning is described by a set of desired long term outcomes. The long term outcomes most relevant to the Long Range Planning Work Program include:

- Achieve results that the community values
- Ensure City government is accountable to the community
- Ensure the fiscal strength of the City Government
- Improve the quality of residents' leisure time
- Promote neighborhoods that are amenity-rich
- Promote neighborhoods that are inclusive and diverse
- Promote an attractive urban environment that reflects our history and provides well-functioning infrastructure
- Improve the City's air quality
- Improve the health of City waterways
- Sustain the natural quality of land within the City
- Increase the value of the City's real estate tax base
- Increase the economic benefits of tourism to the City
- Ensure Alexandria supports, retains, and attracts businesses
- Increase transportation system mobility, connectivity, and accessibility that supports the City's economy

Establishment of priorities among these long term outcomes is an important element of the budget process and the process for selecting the components of the Long Range Planning Work Program. In consultation with the community through a variety of civic engagement platforms, for FY 2017 the budget process has prioritized long term outcomes that support:

- Housing Affordability
- Parking Management and Traffic Management
- Generating new General Fund revenues
- Investment in Information Technology
- Pre-Kindergarten and/or Childcare Programs

*Alexandria's Strategic Plan for 2004-2015* was adopted by City Council in 2004, amended in 2006, and replaced with an updated Strategic Plan that was approved in June 2010. It focuses on seven strategic planning goals:

- Goal 1: Alexandria has quality development and redevelopment, support for local businesses and a strong, diverse and growing local economy.
- Goal 2: Alexandria respects, protects and enhances the health of its citizens and the quality of its natural environment.
- Goal 3: A multimodal transportation network that supports sustainable land use and provides internal mobility and regional connectivity for Alexandrians.
- Goal 4: Alexandria is a community that supports and enhances the well-being, success and achievement of children, youth and families.
- Goal 5: Alexandria is financially sustainable, efficient, community oriented and values its employees.
- Goal 6: The City protects the safety and security of its residents, businesses, employees and visitors.
- Goal 7: Alexandria is a caring and inclusive community that values its rich diversity, history and culture, and promotes affordability.

The City's performance management system keys off of the City's Strategic Plan, which is one of many reasons why keeping the City's Strategic Plan up-to-date is important. The Strategic Plan is also an opportunity for Council members to articulate their priorities for action. As directed by Council in the approved FY 2016 Work Program, an update to the Strategic Plan will begin early in 2016, with completion anticipated for early fall of 2016.

### *Capacity for Long Range Planning*

Long range planning capacity (and the ability to engage in multiple large planning efforts at a time) is constrained by a variety of factors, chief among them staff capacity across multiple departments and budget resources for technical analysis. However, bandwidth for planning projects is also limited by decision-making capacity (senior City staff, Commissions, and City Council), as well as the community's capacity to engage in multiple planning processes.

For FY 2017 and beyond, staff evaluates the priority of potential projects based on community interests and objectives, timing opportunities and constraints, potential dollar value to the City, whether the project can wait or if it cannot, and the extent to which the project supports the City's strategic goals and objectives. Ultimately, developing the FY 2017 work plan requires some of the following tradeoffs for addressing the imbalance between demand for planning and capacity to do so, including:

- Prioritizing certain types of projects over others;
- Delaying some projects until others can be completed;
- Reducing the scope of work of a project;
- Achieving significant developer contributions for both staff and outside technical assistance for their projects; and/or

- Authorizing additional staff resources.

### **Draft FY 2017 Interdepartmental Work Program Items**

In May 2016, the Long Range Planning Work Program will be docketed for City Council approval. The Council's action will be for the FY 2017 work program only; however, the accompanying bar chart/timeline and project descriptions (Attachments 1 and 2) covers the period from mid-FY 2016 to the end of FY 2019 to give a broader picture of the proposed schedule of major planning projects, and the potential projects that will be considered in future years. In addition, the chart shows work associated with plan implementation, which continues to occur after each plan is adopted.

The draft work program for FY 2017 represents a continuation and completion of projects begun in FY 2016 plus the addition of new projects. Major planning projects include continuation and completion of the Old Town North SAP Update and planning for the Potomac Yard Metrorail Station, as well as initiation of an update and refinement of the 2010 North Potomac Yard Plan. An update to the North Potomac Yard Plan has been requested by the property owner, and will be dependent on funding provided by the property owner to complete the update.

Attachment 1, the interdepartmental work program bar charts, shows 2 major work program items finishing in the remainder of FY 2016, 16 major work program items either continuing into FY 2017 or starting in FY 2017, and 19 ongoing implementation efforts of previously approved plans and 7 special projects. New to the bar chart this year is a section on land use policy initiatives, prioritizing 11 requested land use and zoning studies. The projects and proposed timing for the major work program are listed below and described in detail in Attachment 2 (*some projects are funding dependent*).

#### Projects Underway, Finishing in FY 2016

- West End Transitway
- Ped Bike Master Plan and Complete Streets Manual

#### Projects Underway/Starting in FY 2016, Finishing in FY 2017

- Pocket Park Plan (now underway)
- Motorcoach Study
- Potomac Yard Metrorail Station Planning (now underway)
- Old Town North Small Area Plan Update (now underway)
- New City Strategic Plan
- Del Ray Parking Study Implementation
- Office Competitiveness and Conversion
- Long Range Educational Facilities Plan Phase 2 (collaboration with ACPS)
- Del Ray Retail Strategy
- North Potomac Yard Plan Update

#### Projects Starting and Finishing in FY 2017

- Daingerfield Island Master Plan (by the National Park Service)
- Review of 72 Hour Parking Limitation Ordinance

Projects Starting in FY 2017 and Finishing in FY 2018

- Parking Standards for New Commercial Development
- Citywide Design Principles/Architecture Forum Phase 2
- Parker Gray Zoning Analysis
- City Facilities Master Plan

Potential Projects Starting in FY 2018

- Strategic Update to Mount Vernon Ave. Business Plan and Arlandria Action Plan
- Environmental Action Plan Update
- Greenbuilding Policy Update
- Census 2020 Community Outreach
- Transportation Master Plan Update
- Route 1 South Corridor Study

Long Term Projects (ongoing)

- New Permitting System Configuration & Implementation
- Stormwater/MS4 Compliance Plan
- ARHA Redevelopment

Typically the Long Range Planning Work Program does not highlight anticipated development cases, but the planned redevelopment of multiple ARHA public housing sites is sufficient in magnitude to warrant inclusion. ARHA's current schedule anticipates selection of private sector development partners by the end of the current fiscal year. Other anticipated major development projects are also included in Attachment 2.

**FISCAL IMPACT:** The proposed work program has implications for the FY 2017 General Fund Operating Budget and FY 2017 to FY 2026 Capital Improvement Program. This proposed work program can only be accomplished with adequate resources provided by the City funding for FY 2017, as well as by private contributions where noted.

Additional outside funding is being sought from landowners associated with the North Potomac Yard Update. In addition, discussions have been held with ARHA about they or their developers funding City staff resources in order to assist with the expediting of the ARHA reviews. If these projects are to proceed, contributions to assist in funding them is imperative. Memoranda of Understanding (MOUs) for each of these proposed agreements will need to clearly establish a firewall so that the funding provided has no bearing on the outcomes of the planning processes. Such MOUs and their implementation have been previously successfully implemented.

**ATTACHMENTS:**

1. Bar Chart: Draft FY 2017 Interdepartmental Long Range Planning Work Program
2. Draft FY 2017 Project Descriptions
3. Powerpoint Presentation

**STAFF:**

Emily Baker, Deputy City Manager  
Karl Moritz, Director, Planning and Zoning  
Mitch Bernstein, Director, Department of Project Implementation  
Gregg Fields, Director, Department of Code Administration  
Yon Lambert, Director, Transportation and Environmental Services  
Stephanie Landrum, President/CEO, Alexandria Economic Development Partnership  
Lance Mallamo, Director, Office of Historic Alexandria  
Helen McIlvaine, Director, Office of Housing  
Jeremy McPike, Director, General Services  
James Spengler, Director, Recreation, Parks and Cultural Activities  
Patricia Washington, President/CEO, Visit Alexandria  
Carrie Beach, Division Chief, Planning and Zoning





February 2016

TO: Yon Lambert, Karl Moritz, and Emily Baker  
CC: Members of City Council  
RE: Sustainability Coordinator Workshop Concept Note

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In November of 2015, the Environmental Policy Commission (EPC) sent a memo to City Council urging the creation of a sustainability coordinator position. Pursuant to this request, the EPC would like to organize a one-day workshop this spring for City staff, City Council and Members of the general public at which sustainability practitioners from other jurisdictions as well as from Alexandria could share best practices around urban sustainability planning and implementation.

We would propose that the day be divided into two parts:

In Part 1, we would have outside practitioners available for small group meetings with City Staff and/or Members of Council for private, off-the-record discussions. These discussions would allow candid discussion and an exchange of best practices and lessons learned from different jurisdictions.

In Part 2, EPC would host potentially jointly with Council and/or the Transportation Commission an evening community discussion on sustainability practices in Alexandria and elsewhere in the U.S. and globally. Part 2 would provide a forum with City staff to tout Alexandria's many sustainability achievements and for the public to learn from practitioners in other jurisdictions about trends in urban sustainability.

In both cases, the EPC would like to collaborate with staff and Council to develop the specific agenda and content of the workshop. Potential topics for discussion could include:

- **The Creation, Role and Function of Urban Sustainability Coordinators and Planners: Lessons from Other Jurisdictions**
- **How Cities Leverage Sustainability Principles to Promote Economic Development**

I have been in contact with four potential panelists who have each expressed an interest and willingness to attend such a workshop.

These include:

- **Adam Freed, Principal, Sustainability Practice, Bloomberg Associates.** Prior to joining Bloomberg Associates, Adam was the Deputy Managing Director of The Nature Conservancy's Global Water Program, where he

worked to help cities have safe, sustainable, and reliable water supplies. From 2008-2012, Adam served as Deputy Director of the New York City Mayor's Office of Long-Term Planning and Sustainability, overseeing the implementation of PlaNYC and related sustainability initiatives and developing the city's first climate resilience program. As part of PlaNYC, the City planted almost one million trees, created more than 200 new community playgrounds, enacted the nation's most aggressive green buildings legislation, achieved the cleanest air quality in over 50 years, announced the largest expansion of its recycling program in 25 years, launched a \$2 billion green infrastructure program, and lowered its GHG emissions 19%.

- **Dan Guilbeault, Chief, Sustainability and Equity Branch, Washington, DC.** Dan Guilbeault is the Chief of the Urban Sustainability Administration's Sustainability & Equity Branch for the Department of Energy & Environment. He focuses on sustainability, data, and measurement tools such as the STAR Community Rating System.
- **Cori Burbach, Sustainability Community Coordinator, City of Dubuque, Iowa.**

Both Mr. Freed and Mr. Guilbeault would be able to pay their own way to visit Alexandria for a day. However, Ms. Burbach would require reimbursement for their costs of travel and accommodation. If the City does not have sufficient budget for covering these costs, she would be available to meet virtually with staff via video conference.

Thank you for your consideration.

Sincerely,

Jim Kapsis

Category	Indicator 1	Indicator 2	Indicator 3	Indicator 4
Energy (Scott, Geoff)	<p><b>Title:</b> Gross Electricity and Natural Gas Use by sector (kWh/BTU)</p> <p><b>Possible source of data:</b> Dominion and Washington Gas</p> <p><b>Frequency of data production:</b> Quarterly</p> <p><b>Time periods available:</b> Back 4-5 years</p> <p><b>Target:</b></p>	<p><b>Title:</b> Gross Electricity and Natural Gas Use by sector, per capita (kWh/BTU)</p> <p><b>Possible source of data:</b> Dominion and Washington Gas</p> <p><b>Frequency of data production:</b> Quarterly</p> <p><b>Time periods available:</b> Back 4-5 years</p> <p><b>Target:</b></p>	<p><b>Title:</b> Gross renewable energy produced or installed as a proxy for this</p> <p><b>Frequency of data production:</b> Annual</p> <p><b>Time periods available:</b> Each year, if possible.</p> <p><b>Target:</b></p>	<p><b>Title:</b> Acres Treated (or # of projects) Using Green Infrastructure Practices (biowales, green roofs, pavers, etc.) (replacing Number of stormwater best management practices (BMPs) in the City). This indicator would be a subset of the overall number of BMPs in the City with the hope that it would provide non-stormwater people with an understanding of the non-grey infrastructure in the city. Currently, EPC does not know this number yet there are many GI practices that exist within city limits. I'd like to see GI encouraged within the City and with the SW utility. I think people will be drawn to these types of practices and "City as Leader" will help property owners realize potential on their lands.</p>
Water (Jessica)	<p><b>Title:</b> Per capita water use by sector (gallons per person per year)</p>	<p><b>Title:</b> Gross water use by sector (gallons per year)</p>	<p><b>KEEP:</b> Per capita wastewater treated, gallons per person per year</p>	
Climate (Scott, Tyler)	<p><b>NAME:</b> Energy use GHG pollution</p> <p><b>Possible source of data:</b> Dominion and Washington Gas data on electricity and natural gas consumption, combined with EIA/SERC data on greenhouse gas emissions factors associated with electricity use in our area. These numbers would then be compared with the year's reduction target, as specified in the city's Energy and Climate Action Plan. This action plan called for reducing GHG emissions by 80% from 2005 levels by 2050. This would require a roughly 3.5% reduction in emissions each year. So, for example, community energy use-related emissions for 2015 should be just under a million tons (CO2e), based on the community energy use-related emissions inventory reported for 2005 of 1.4 million tons CO2e. The difference between the 0.986 million tons CO2e target for 2015 and the actual energy-related emissions number for the year would constitute the indicator, telling us exactly how far away we are from being on trajectory to meet our GHG emissions goals.</p> <p><b>Frequency of data production:</b> Annual</p> <p><b>Time periods available:</b> Should be annual</p> <p><b>Target:</b> Specified in the Energy and Climate Action Plan adopted in 2011</p>	<p><b>NAME:</b> Vehicle-related GHG emissions</p> <p><b>Possible source of data:</b> The transportation fuel use-related emissions will be harder to estimate on an annual basis. Ideally, we'd have an annual figure for estimated transportation GHG emissions, but this might depend on MWCOG or NoVA TPB sources or plans for estimating this consistently. We could have T&amp;ES or a new sustainability coordinator--or Virginia Tech--conduct an annual survey to estimate this, or collaborate with Arlington to do this for both jurisdictions at the same time. As with the first indicator, the target can be pulled directly from the 2011 Energy and Climate Action Plan. According to the GHG inventory for 2005, our community generated 0.66 million tons of CO2e due to on-road transportation. The same annual 3.5% reductions are needed from this starting point to achieve an 80% cut in emissions.</p> <p><b>Frequency of data production:</b> Annually, I hope.</p> <p><b>Time periods available:</b> Each year, if possible.</p> <p><b>Target:</b> As specified in the Energy and Climate Action Plan adopted in 2011</p>		
Transportation (Tyler, Scott)	<p><b>Title:</b> Vehicular Miles Traveled</p>	<p><b>Title:</b> Mode Split</p>		
Land Use (Natasha, Susan)	<p><b>Title:</b> Overarching indicator: % canopy - calculated every three years</p>	<p><b>Title:</b> City contributions to canopy coverage (This would be calculated based on CCA measures in Landscape Guidelines and would include any plantings that the City directly or indirectly supports, from street tree plantings, to restoration plantings, having a hand in a tree sale with external partners, etc.)</p>	<p><b>Title:</b> Square footage of invasive plants removed</p>	<p><b>Title:</b> Area of open space (through development redevelopment, or reclamation on city held lands) dedicated to food production or habitat for wildlife. (This may include plantings in plazas, parks, community gardens, and rooftops.) - measured and</p>
Solid Waste (Tyler)	<p><b>Title:</b> Waste Diversion Rate (with and without "green waste")</p>	<p><b>Title:</b> Contamination Rate</p>		

Category	Indicator 1	Indicator 2	Indicator 3	Indicator 4
Health (Geoff)	<p>KEEP: Number of days with code red/orange according to the Air Quality Index</p>	<p>Title: Access to Community Gardens (within 1/2 mile) Possible source of data: City Frequency of data production: Annual Time periods available: Each year, if possible. Target:</p>	<p>Title: Access to Grocery store/Farmer's Market (within 1/2 mile) Possible source of data: City Frequency of data production: Annual Time periods available: Each year, if possible. Target:</p>	<p>Title: Percent of population living within an area with average daytime and nighttime noise level greater than 60dB Possible source of data: Federal Highway Administration's Traffic Noise Model and based on local traffic count data, City Frequency of data production: Annual Time periods available: Each year, if possible. Target:</p>

# EPC CALENDAR - FY2016

July 2015 through June 2016

Conference Room 2000 at City Hall Unless Noted Otherwise  
7:30 PM – 9:30 PM

DATE	EVENT	AGENDA ITEMS	ITEMS FOR CONSIDERATION
7-6-2015	Work Session		
7-20	Regular Meeting		•
8-23	EPC Picnic/ Retreat		•
9-28	Regular Meeting	<ul style="list-style-type: none"> <li>• Solarize Alexandria- Bill Eger and guests</li> <li>• Update on the Eisenhower West SAP – Radhika, P&amp;Z</li> <li>• Presentation on West End Transit Way, Allan Fye</li> </ul>	<ul style="list-style-type: none"> <li>• Budget letter to City Council</li> </ul>
10-19	Regular Meeting	<ul style="list-style-type: none"> <li>• Earth Day Planning</li> <li>• Memo to Council: Sustainability Coordinator</li> <li>• Work Session on Green Infrastructure</li> </ul>	•
11-16	Regular Meeting	<ul style="list-style-type: none"> <li>• Pedestrian and Bicycle Master Plan, Steve Sindiong</li> </ul>	•
12-21	Regular Meeting	<ul style="list-style-type: none"> <li>• Budget Letter</li> <li>• Memo to Council: Sustainability Coordinator</li> <li>• Indicators</li> </ul>	•
2-8	Regular Meeting	<ul style="list-style-type: none"> <li>• Resource Recovery Programs, Michael Clem, Recycling Specialist, T&amp;ES</li> </ul>	<ul style="list-style-type: none"> <li>• Environmental Indicators</li> <li>• Sustain, Coord. Workshop Memo</li> </ul>

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2-22	Regular Meeting	<ul style="list-style-type: none"> <li>•</li> </ul>	Member Reports for Program Assignments: <ul style="list-style-type: none"> <li>○ Transportation</li> <li>○ Waterfront</li> <li>○ Old Town North</li> <li>○ Ad-hoc Sewer</li> <li>○ Potomac Yard Metro</li> <li>○ Earth Day Activity</li> <li>○ Others</li> </ul>
3-21	Regular Meeting	<ul style="list-style-type: none"> <li>• Fitzgerald Square , Tony Gammon, Acting Deputy Director, Project Implementation Dept.</li> </ul>	Member Reports for Program Assignments: <ul style="list-style-type: none"> <li>○ Transportation</li> <li>○ Waterfront</li> <li>○ Old Town North</li> <li>○ Ad-hoc Sewer</li> <li>○ Potomac Yard Metro</li> <li>○ Earth Day Activity</li> <li>○ Others</li> </ul>
4-18	Regular Meeting	<ul style="list-style-type: none"> <li>• Update on CSO Program ,Erin Bevins-Carver, Sanitary Sewer Lead, T&amp;ES Dept.</li> </ul>	Member Reports for Program Assignments: <ul style="list-style-type: none"> <li>○ Transportation</li> <li>○ Waterfront</li> <li>○ Old Town North</li> <li>○ Ad-hoc Sewer</li> <li>○ Potomac Yard Metro</li> <li>○ Earth Day Activity</li> </ul>

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5-16	Regular Meeting	<ul style="list-style-type: none"> <li>Legislative Report, Bernard Caton, Legislative Director, City Manager's Office</li> </ul>	Member Reports for Program Assignments: <ul style="list-style-type: none"> <li>Transportation</li> <li>Waterfront</li> <li>Old Town North</li> <li>Ad-hoc Sewer</li> <li>Potomac Yard Metro</li> <li>Earth Day Activity</li> <li>Others</li> </ul>
6-20	Regular Meeting	<ul style="list-style-type: none"> <li>City Energy Report, Bill Eger, Energy Manager</li> <li>EPC elections</li> </ul>	<ul style="list-style-type: none"> <li>FY2016 Annual Report and Member Attendance Report</li> <li>Member Reports for Program Assignments:               <ul style="list-style-type: none"> <li>Transportation</li> <li>Waterfront</li> <li>Old Town North</li> <li>Ad-hoc Sewer</li> <li>Potomac Yard Metro</li> <li>Earth Day Activity</li> <li>Others</li> </ul> </li> </ul>

Holidays: January 18: Martin Luther King, Jr. Day  
February 15: President's Day

