



LEESBURG ENVIRONMENTAL ADVISORY COMMISSION

TUESDAY
May 1, 2018
7:00 P.M.

Town Hall
Second Floor Conference
25 West Market Street

COMMISSIONERS

Maria Bergheim (20)
Brian Burton (20)
Bobbi Elliott (18)
Charles Greenough, Chairman (18)
Bettina Guerre (18)
Kari Nancy (20)
Vacant (18)

If you require a reasonable accommodation to participate in this meeting, please contact Karen Cicalese at 703-771-2434. Three days advance notice is requested. Assisted Listening System devices are available at the meeting.

LEESBURG ENVIRONMENTAL ADVISORY COMMISSION

Mission: To promote and protect the environmental interests of the Town.

MEETING AGENDA Tuesday, May 1, 2018

7:00 P.M. Second Floor Conference Room, Town Hall

1. Call to Order
2. Freedom of Information Act Refresher, Council Chambers (15 Minutes)
3. Approval of Agenda
4. Approval of Minutes: April 3, 2018*
5. Chairperson's Statement
6. Committee Member Comments
7. Petitioners
8. Staff items (30 Minutes)
 - a. Herbicide use along Town Branch – Update from DPW
 - b. Recycling – Update from DPW*
 - c. Fox Ridge Park Ribbon Cutting
 - d. EAC Photo
9. Old Business (60 Minutes)
 - a. Flower & Garden Festival 2018 Debrief (Greenough)
 - b. Energy savings Initiative for Town Government
 - c. PACE program Update
 - d. Tree Ordinance
 - e. EAC Recommendation for Herbicide Alternative Trial
10. New Business (15 Minutes)
 - a. EV Charging Stations – Email from M. Rota *
 - b. Sustainability Plan – Email from M. Rota*
 - c. Climate Action Plan – Email from C. Lunghino*
11. Adjournment

(*) Material attached



**Town of Leesburg Environmental Advisory Commission
Meeting Minutes
April 3, 2018**

The Town of Leesburg's Environmental Advisory Commission (EAC) met on April 3, 2018 at 7:00 p.m. in the Town Hall at 25 West Market St., Leesburg, Virginia.

Call to Order: Chairman Greenough called the meeting to order at 7:02 p.m.

Roll Call: Present: Commissioners Bergheim, Burton (arrived at 7:07), Greenough, and Guerre.
Staff Representatives: Richard Klusek
Council Liaison: Mayor Kelly Burk
Absent: None

Approval of Agenda and Minutes: A motion to adopt the agenda was approved (3-0-1)

Approval of Minutes: A motion to adopt the meeting minutes of February 6, 2018 was approved (3-0-1, Guerre Abstaining).

Chairman's Statement: Chairman Greenough welcomed all EAC members. The EAC briefly discussed the resignation Commissioners Shemer, Lothman, and Beijan.

Commissioners Comments: This email will be placed in a future agenda packet.

Petitioners: Two members of the public attended the EAC meeting to observe. Minu Beijan attended the meeting as a member of the public to offer her continued support. Dorris Kidder spoke to the EAC about the need for a tree ordinance.

Staff Items:

- a. **Officers:** The Commission elected new officers. Commission Greenough was elected chairman, Guerre was elected vice chairman, and Bergheim was elected secretary (4-0).
- b. **Environmental Portal:** Mr. Klusek provided on update on the status of the Environmental Portal. Commissioner Greenough volunteered to serve as the Environmental Portal Content Manager with the resignation of Commissioner Shemmer.
- c. **Water Conservation Challenge:** Mr. Klusek provided updates on the Water Conservation Challenge and along with the Mayor encouraged everyone to spread the word.
- d. **Rain Barrel Workshops:** Mr. Klusek provided an update and the Rain Barrel Workshops that were scheduled. The Commission voted 4-0 to allow use of funds to provide \$25 rebates for up to 75 rain barrels.
- e. **Herbicide Use:** Mr. Klusek provided an update from DPW staff regarding the potential use of alternative herbicides. After some discussion, the Commission voted 4-0 to draft a formal recommendation to the Town Council to create a pilot program to test an alternative herbicide.
- f. **Fox Ridge Park:** Mr. Klusek discussed the "ribbon cutting" at Fox Ridge Park. The commission agreed to have a tent at the event to discuss EAC efforts.
- g. **Keep Leesburg Beautiful:** The commission will be responsible for organizing next year's keep Leesburg beautiful event(s). The commission was asked to start considering what type of

activities the event should include.

Old Business:

- a. Flower and Garden Booth – The majority of the meeting was devoted to planning for the EAC’s booth at the flower and garden show. Discussion included, logistics, displays, and materials at the booth.

New Business:

- a. Tree Ordinance – Based on comments from Dorris Kidder, the commission voted 4-0 to develop a joint resolution with the tree commission calling for a Tree Ordinance.

Adjournment: There being no further business, the meeting adjourned at 8:38 pm (4-0).

Richard Klusek

From: Marina Rota <mlrota@yahoo.com>
Sent: Wednesday, February 28, 2018 11:03 AM
To: EAC
Subject: Solar Charging Station for Electric Cars

Categories: Green Category

Good morning,

The URL shown below provides a map/list of solar electric-car charging stations nearby Leesburg. They are all at the outlet complex.

Recently, I suggested to Supervisor Umstaadt that the county install one in the public garages. But she seemed to find a few excuses why this would not be useful, including that electricity is produced at coal-sourced power plants.

I would urge your group to consider installing at least one, possibly powered by photovoltaics. One car maker, other than Tesla, is investing millions in mid-cost electric cars for mass consumption, and we need to help bring about change.

Thank you for your attention.

Marina Rota
19355 Cypress Ridge Terrace
Leesburg, Virginia 20176

solvingev.com/charging-stations/zip/20175-leesburg-va

Location Name	Location	Distance	Chargers	Network	Types	Restrictions
Leesburg Corner Premium Outlets	241 Fort Evans Rd. NE Leesburg, VA 20176	5.8 miles		eVgo Network	J1772	Yes
Leesburg Corner Premium Outlets	241 Fort Evans Rd NE Leesburg, VA 20176	5.8 miles	Fast: 2	eVgo Network	J1772 , CHADEMO , J1772COMBO	Yes
Leesburg Corner Premium Outlets	241 Fort Evans Rd. NE Leesburg, VA 20176	5.8 miles	Fast: 1	eVgo Network	J1772COMBO	Yes

Location Name	Location	Distance	Chargers	Network	Types	Restrictions
Whole Foods Market	19800 Belmont Chase Dr Ashburn, VA 20147	6.7 miles			J1772	24/7
LOUDOUN COUNTY	E Colonial Hwy Hamilton, VA 20158	6.7 miles	Level 1: 5 Level 2: 5	ChargePoint Network	NEMA520, J1772	24/7
Ashburn Shopping Plaza	44110 Ashburn Shopping Plaza, #199 Ashburn, VA 20147	7.0 miles		eVgo Network	J1772	Yes
Ashburn Village Center	44110 Ashburn Shopping Plz # 199 Ashburn, VA 20147	7.0 miles	Fast: 2	eVgo Network	CHADEMO, J1772, J1772COMBO	Yes
Landsdown Resort - Tesla	44050 Woodridge Pkwy Leesburg, VA 20176	7.5 miles		Tesla	TESLA	Yes
One Loudoun Town Center	20575 Easthampton Plaza Ashburn, VA 20147	8.1 miles		GE WattStation	J1772	24/7
One Loudoun Town Center	20575 Easthampton Plaza Ashburn, VA 20147	8.1 miles		GE WattStation	J1772	24/7
BMW of Sterling	21710 Auto World Cir Sterling, VA 20166	9.1 miles			J1772	Yes
Brown's Dulles Nissan	45155 Towlern PI Sterling, VA 20166	9.2 miles	Fast: 1		J1772, CHADEMO	Yes
Browns Dulles Nissan	45155 Towlern PI Sterling, VA 20181	9.2 miles	Fast: 1	eVgo Network	CHADEMO	Yes
Dulles Town Center	21076 Dulles Town Circle Dulles, VA 20166	9.8 miles	Fast: 1	eVgo Network	J1772COMBO	Yes
Dulles Town Center	21076 Dulles Town Circle Dulles, VA 20166	9.8 miles		eVgo Network	J1772	Yes

Location Name	Location	Distance	Chargers	Network	Types	Restrictions
Dulles Town Center	21076 Dulles Town Cir Dulles, VA 20166	9.8 miles	Fast: 4	eVgo Network	CHADEMO , J1772COMBO , J1772	Yes
Windmill Parc	21258 Windmill Parc Dr. Sterling, VA 20166	10.2 miles		eVgo Network	J1772	Yes

Richard Klusek

From: msmarinarota@aol.com
Sent: Saturday, March 3, 2018 11:48 AM
To: Richard Klusek
Cc: EAC; bo.machayo@loudoun.gov
Subject: CORRESPONDENCE: Proposed Earth Day Activity for Leesburg

Categories: Green Category

To the Leesburg Environmental Action Commission:

As I understand it, Loudoun County does not have a robust slate of planned Earth Day activities, but I would like to propose a high-value activity -- that is, to educate Supervisor Kristen Umstadd on the details supporting near-term expansion of electric vehicle (EV) charging stations in Leesburg.

I am proposing this activity based on the response the Supervisor provided me when I explained that in contrast to the Ashburn District, charging stations only appear in one location in Leesburg -- that is, at the Premium Outlets [1].

This topic is important given the role of government in facilitating market-based solutions to public challenges. One example that comes to mind was the role of the US Postal Service in creating a pilot paper-recycling program, more than 25 years ago, a program that formed the basis of today's national recycling programs. This January, Ford Motor Co announced its planned investments in electric vehicles to \$11 billion by 2022 and model lineup for mass consumption that includes 40 hybrid and fully electric vehicles. Again, private industry needs government support to spur progress [2].

But each time I have reached out to Supervisor Umstadd, she seems to respond with a glass-is-half-empty outlook on the promise of environmental progress. Below, in her forwarded letter, she shares the concern that if additional electricity were generated by coal-fired power plants, the net effect on air quality of adding more EV could be negative, if we were downwind of the coal-fired plants, such as those in Ohio.

However, I have been recently informed that a good share of Loudoun's power is generated by the Panda Power clean natural-gas powered facility and by the North Anna nuclear generating plant. And by the way, some EV charging stations are powered by photovoltaics.

Also, Supervisor Umstadd shared the concern that electrical utilities, at a certain point, were proposing to raise rates on their customers to cover the cost of providing more charging stations. However, I doubt that a EV charging station or two in downtown Leesburg would significantly increase rates.

Finally, another concern Supervisor Umstadd shared is the position of Clean Air Partners that middle class and working class rate payers should not have to subsidize a system of EV charging stations. Again, I don't think costs for a charging station or two in downtown Leesburg would significantly impact the middle class, and citizens would possibly benefit from avoided health care costs due to environmental pollution.

Also, another point regarding subsidization is that other financing methods exist. In fact, Virginia hopes to expand the state's network of charging stations for electric vehicles and announced it would use part of its settlement with Volkswagen to pay for it [2]. In fact, the Commonwealth had issued proposals to this end [3].

In summary, my proposed supervisor environmental education activity would be a high-value, low-cost activity in terms of cost and manpower. So I urge the Commission to consider this suggestion and then consider my

original proposal to Supervisor Umstaadt of increasing the number of EV charging stations in downtown Leesburg.

I look forward to any other perspectives that you may provide to this issue, and hope my inquiry may further promote the county's need for environmental action.

With gratitude for your service to this cause,

Marina L Rota
19355 Cypress Ridge Terrace # 1008
Leesburg, VA 20176

[1] <http://solvingev.com/charging-stations/zip/20176-leesburg-va>

[2] https://wtop.com/business-finance/2017/10/virginia_expand_network_electric_vehicle_charging_stations/

[3] http://www.deq.virginia.gov/Portals/0/DEQ/Air/VWMitigation/RFP_18-01-CP.pdf?ver=2017-10-04-161737-687

-----Original Message-----

From: Umstattd, Kristen <Kristen.Umstattd@loudoun.gov>
To: msmarinarota <msmarinarota@aol.com>
Sent: Sun, Jan 21, 2018 11:02 am
Subject: Re: Electric-car Charging Stations in Loudoun

Dear Marina,

You raise good points. Since you follow this issue, you probably know that Maryland recently called for the replacement within the next several years of 300,000 private and public internal combustion vehicles with electric vehicles. The Board of Clean Air Partners, on which I serve, was asked by the state of Maryland to endorse that proposal and we did. We have not yet received a similar request from Virginia, but we may well, given Governor Northam's approach. However, during the discussion on the Maryland proposal, the issue of electrical generation came up and the Partners wanted to learn more about where the electricity for these EVs was generated. There was concern that, if the additional electricity was generated by coal-fired power plants, the net effect on air quality of adding more EVs could be negative, if we were downwind of the coal-fired plants. This region does receive air pollution from coal-fired plants in Ohio, for example. There was also concern that the electrical utilities were proposing to raise rates on their customers to cover the cost of providing more charging stations. And the Partners took the position that middle class and working class rate payers should not have to subsidize a system of charging stations. That said, I agree that, without more charging stations, the EV industry and those, like you, who are trying to do the right thing, will be at a significant disadvantage.

Kristen C. Umstattd, Leesburg District
Loudoun County Board of Supervisors
1 Harrison Street, SE
Leesburg, VA 20175
703-777-0203
Sent from my iPhone

On Jan 21, 2018, at 10:23 AM, "msmarinarota@aol.com" <msmarinarota@aol.com> wrote:

There's a need for more electric-car charging stations in Leesburg as well as other Loudoun jurisdictions. The below map shows several in the Lansdowne-Ashburn area, but only one in Leesburg (at the Premium Outlets) and none in other areas.

<https://evstationslocal.com/states/virginia/leesburg/#>

Perhaps for starters, good spots to install stations might be the new soccer station -- as well as the county government's public parking lots. Other ideas include Metro parking lots at the new Loudoun stations. I hope this won't fall through the cracks.

And finally, the county's park-and-ride lots. I am aware of the 2011 installation in the Harmony lot but not of others since. Northam has put forth a detailed plan on protecting the environment, and Loudoun should lend support.

Thank you for your time and attention.

Marina Rota

Richard Klusek

From: Marina Rota <mlrota@yahoo.com>
Sent: Wednesday, February 28, 2018 11:09 AM
To: EAC
Cc: Gem Bingol
Subject: DC's Sustainability Plan

Categories: Green Category

Good afternoon,

Below you will find URLs for two sustainability/climate action plans developed by Washington, DC. I deem it to be a blueprint for all cities in the nation.

The first URL introduces the Sustainability DC initiative, providing historical information. The second presents current activity in updating this five-year plan, and includes the mayor's order. FYI, in Washington, all new commercial buildings must be built to LEED standards, and there exists an energy efficiency standards as well.

I hope this information might prove helpful in crafting a sustainability/climate change plan for Leesburg.

Many, many thanks for your attention.

Marina Rota

www.sustainabledc.org/about/

www.sustainabledc.org/in-dc/sdc2-0/

Richard Klusek

From: Helik Shemer
Sent: Thursday, March 1, 2018 7:34 PM
To: Chris Lunghino; Kelly Burk
Cc: EAC
Subject: Re: Questions re: City of Leesburg renewable energy planning

Categories: Green Category

Dear Ms. Lunghino,

Thank you for contacting us about the Town of Leesburg climate action plan. Unfortunately to date there is no such plan, although the EAC have been working on recommending such program to the Town Council.

I have provided answers to the best of my knowledge to your six (not three...) follow up questions - inline the questions below.

I will gladly update you with any positive developments.

With best regards,

Helik Shemer

From: chrislunghino@gmail.com <chrislunghino@gmail.com> on behalf of Chris Lunghino
<chris@communitysustainabilityusa.org>
Sent: Tuesday, February 27, 2018 1:00 PM
To: Kelly Burk; Helik Shemer
Subject: Questions re: City of Leesburg renewable energy planning

Dear Mayor Burk and Mr. Shemer,

Irish Grandfield suggested I contact you.

I work with Community Sustainability USA, a 501(c)(3) nonprofit organization that educates and empowers local governments and universities in the Southeast to advance sustainability. In support of that work and in collaboration with Vanderbilt University, we're building a database and publishing a report of GHG emission reduction goals, renewable energy goals, and other related information for 145 Southeast cities.

We're aiming to complete our database by March 2 and publish our report this spring, and I'm hoping that you'll be able to ensure that our database and report are accurate and complete with respect to Leesburg.

I understand that Leesburg has not yet adopted a formal climate action plan or greenhouse gas reduction or renewable energy goals or conducted a recent GHG inventory, and that in 2016, the Environmental Advisory Commission recommended budgeting for a GHG inventory and solar procurement.

I have three follow up questions for you:

1. **Is there political will on the EAC to make a GHG inventory and renewable energy recommendation again? Does the current Council have an appetite to act on such a recommendation?**

The Leesburg EAC is not a political body, rather is acting on the behest of the Town Council to review and advise on Environmental policies and issues. As I mentioned above the EAC is working on an energy plan recommendation for the Town, and some of the members are in favor of incorporating renewable energy and GHG reduction action plan in it.

1. **Did the City complete a baseline GHG inventory using 2007 data, and if so, is a link to that available?**

No.

1. **What is the City's annual electric load for municipal operations (and community-wide if that data is available)?**

To the best of my knowledge there is no central function on the town's staff that monitors such data.

1. **Does the City currently meet any of that demand from renewable energy, and if so, how much through what type of renewable energy?**

No.

1. **Does the City have any current plans to install or procure renewable energy to help meet its demand?**

No.

1. **Are you aware of the renewable energy procurement pathway that the Northern VA Regional Commission is presenting to its members?**

Yes.

Thank you so much for your help and for your public service. I look forward to hearing from you.

Chris

Chris Ann Lunghino
[@ChrisLunghino](https://twitter.com/ChrisLunghino)
714.369.9280
Community Sustainability USA, Inc.
communitysustainabilityusa.org