

EAC AGENDA

Haverford Twp EAC – Tuesday, January 10, 2016 at 7:30 pm, Quattrani

EAC Members 2015-2016 (to be updated by BoC Jan 2017): Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) – Michael Schaefer (3 - McClusky) - Aurora Dziel (4 - Siegel) – Colleen Dwyer Hansen (5 - Lewis) – Michael D'Antonio (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – Derron LaBrake (EAC Appointee) - Dave Hartke (EAC Appointee) - James Knox (EAC Appointee); Commissioner Larry Holmes; P. Hickman - Township Liaison; Nora; Susan Cook (EAC Appointee/prior Township Liaison); Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Reorganization

- a. **New EAC Appointees; nominate and vote on chair(s); nominate and vote on at large EAC appointed members.**

2. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by H. Eichman)
- b. **Volunteer to Prepare Tonight's Minutes**

3. EAC Website: Status of "Who we are" page update sent to HT IT. Additional updates.

4. Recycling: HT timing for mailing recycling sticker and new 1 pager (developed by EAC) to every household. EAC to develop 1 pager draft for mailer new residents. BoC review, postponed and remains to be finalized and rescheduled. Presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins.

5. Storm Water & Rain Garden Subcommittee Updates: DL, PSP, HE, DH, DS, NS to report.

Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.

NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded.

Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).

100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.

Oakmont Rain Garden. Planting completed.

Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.

6. Assessing Progress in Climate Action Plan Implementation. EAC experiment using 1 page guide to buying green power. Tabled progress review until DVRPC 5-year inventory of energy use and greenhouse gas emissions is complete.

7. Haverford Township Day (1st Saturday in October). Tabled until June 2016.

8. Earth Day Event (Sat. April 22, 2017). Resume planning activity in January 2017 meeting.

9. Contributions to Township and Recreation Newsletters. Next deadline is for the Township Newsletter is ~ January 15 (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is ~March 15 (3/17, 6/17, 9/17, 12/17).

10. Preparation of the 2014/2015 EAC Annual Report: Update on drafting sections.

11. Superfund Site: Recent activity in front of storage facility.

12. Quadrangle Environmental Coordination: No response to our communications from the Quadrangle EC received, inactive until QEC responds or makes additional request.

13. New Logo: D. Hartke expects to have a more polished version of the EAC logo for review.

14. EAC Members/Volunteers Update: Discuss new BoC EAC appointments for the 2017-18 term, reorganize, vote on all ad hoc members wishing to stay on in the new term.

15. New Business

Haverford Township Environmental Advisory Committee

Meeting Minutes – February 7, 2017, 7:30 pm

Attendees: EAC Members: Katie Thompson (3 - McClusky) - Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) Vacant (6 - Holmes) - Henry Eichman (7 - McGarrity) - Peter Puglionesi (8 – Connell) – Michael D’Antonio (EAC Appointee) - Dave Hartke (EAC Appointee) – J. Knox (EAC Appointee) – Andrew Seaman (EAC Appointee) - Peter Hickman (Township Liaison). Visitors/volunteers: Brian Werner.

Schedule: 1st Tuesday of the Month at Quattrani except for 7/5, 9/6 and 12/5 (CREC), 10/5 (Weds).

1. **Reorganization** – EAC welcomed new appointees Katie Thompson – (Ward 3 - McClusky) and Victor Borsky (Ward 5 - Lewis). There is as yet no Ward 6 appointment. Michael D’Antonio, David Hartke, James Knox and Andrew Seaman were nominated as EAC Appointed at-large members for the 2017-2018 term in a motion by H. Eichman. This was seconded by P. Puglionesi and unanimously approved.
2. **Meeting Minutes**
 - a. **Prior Meeting Minutes Approval** (Motion: Henry, 2nd D. Hickman, Unanimous).
 - b. **Volunteer to Prepare Tonight’s Minutes** (P. Puglionesi)
3. **EAC Website:** Previously P. Puglionesi transmitted the final update of EAC “Who We Are” material to Rick McClary who oversees the Township web site for posting. No action on this item at this meeting. Allie Rothman moved from PT to FT to do web site complete redesign which may be causing delay.
4. **Recycling:** Still waiting on execution of the Township mailing with a full size sticker to make recycling can more recognizable using EAC’s cover letter and 1-page recycling instruction developed by J. Knox. A. Dizel volunteered to prepare a cover letter and recommend contents for a mailer to go to all new residents after closing and will also research the apartment recycling program PRC has in Western PA. V. Borsky volunteered to work on finalizing the recycling presentation for the Board of Commissioners previously requested by Commissioner Holmes which remains on hold.
5. **Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:**

Tree Tenders: P. Hickman reported that Tree Tenders (Jeanne Angell) will send a letter to flood prone areas of the township encouraging planting large canopy trees on the right of way.

HTSD: No updates.

Intern: No progress. N. Schmidt previously emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: On hold until late spring to see if, after plants mature, the inlet can be further raised (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

100 Rain Gardens Initiative: No update. The assessments were conducted and a selection was made for 5 “residential” garden candidates (and 2 alternates) for Spring 2017 gardens.

NFWF Grants: No update. L. Gentile previously held a project kickoff meeting with a DCVA representative (P. Puglionesi) and the Township Engineer. DCVA also completed accelerated percolation test and shallow hand auger soil samples (refusal at about 18” due to the presence of 2” stone “ballast” typical of trolley tracks that were historically present). DCVA will work with Haverford Township on the design and curb reconstruction and will install the garden under a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor’s Run target sub-watershed, including a median gardens at Darby Road between the Middle School and Township building and 10 other gardens.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe’s recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time.

Median Rain Gardens (Twp Led): No update. The location at Hathaway near the Eagle Road end will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts).

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce

Haverford Township Environmental Advisory Committee

Meeting Minutes – February 7, 2017, 7:30 pm

flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

6. **Assessing Progress in Climate Action Plan Implementation.** Discussed EAC trial use of the 1 page guide to buying renewable power, distributed by P. Puglionesi by email after previous meeting. No further discussions done on subject at current meeting.
7. **Haverford Township Day Green Zone (First Saturday in October):** Resume activity in June.
8. **Planning for Earth Day Event (Sat. April 22, 2017).** Aurora reported on planning efforts. Discussed sponsorships to pay for the activities and lawn signs. P. Puglionesi suggested checking with T. Denny to see if there is a preferred township sign provider. There is a full program. Brian Werner will help with PR by distributing posters and J. Knox proposed purchasing lawn signs. Victor Borsky got Marple Ford to do a green car drive and donate event to support rain gardens.
9. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is ~ January 15 (1/17, 4/17, 7/17, 10/17), although there may be several more weeks due to the push back of the winter issue, and for Recreation Department’s HavaGood Times is ~March 15 (3/17, 6/17, 9/17, 12/17). Will talk about this action item in more detail at the next meeting.
10. **Preparation of the 2014/2015 EAC Annual Report:** No progress. A. Dizel and V. Borsky volunteered to update the prior draft to prepare a 2 year report/ presentation. P. S. Puglionesi to send latest draft.
11. **Superfund Site:** No update. Last discussed extensive environmental work in front of the capped site that may have been necessary to install storm water systems as the new storage facility is completed.
12. **New Logo:** No update. D. Hartke will be working on further updates of the logo based on comments received at the January meeting. The consensus was that it needed more work and should better emulate the current logo.
13. **New Business:** REI is interested in promoting the trails and trail building events. No update on 2017 Green Homes Tour in 2017 suggested by Dave Hartke who will take the lead on planning. No updates a possible EAC Summit (P.S. Puglionesi previously emailed information to T. Watkins and Cindy Mehallow of Newtown EAC who were going to coordinate).

EAC AGENDA

Haverford Twp EAC – Tuesday, March 7, 2016 at 7:30 pm, Quattrani

EAC Members 2017-2018 (to be updated with 1 more BoC appointment pending): Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) - Aurora Dizel (4 - Siegel) Victor Barsky – (5 - Lewis) awaiting formal appointment – (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – EAC Appointees - Dave Hartke, Michael D'Antonio, James Knox, Andrew Seaman; – Interest in EAC Appointment: Robert Graff, Michael Schaefer, Brian Werner; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P. S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

- 2. EAC Website:** 2015-2016 “Who we are” update sent to HT IT still not posted on web page. Suggest new photo and a volunteer develop an update for 2017-2018 term.

- 3. Recycling:** Status of HT recycling sticker and new 1 pager (developed by EAC) mailing to every household. EAC to develop 1 pager draft for mailer new residents. Progress in developing a mailer letter/contents for new residents. Postponed presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins.

- 4. Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.

Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.

NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded.

Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).

100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.

Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.

- 5. Assessing Progress in Climate Action Plan Implementation.** EAC experiment using 1 page guide to buying green power. Tabled progress review until DVRPC 5-year inventory of energy use and greenhouse gas emissions is complete.

- 6. Haverford Township Day (1st Saturday in October).** Tabled until June 2016.

- 7. Earth Day Event (Sat. April 22, 2017).** Continue planning for 2017.

- 8. Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is ~ January 15 (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is ~March 15 (3/17, 6/17, 9/17, 12/17). January extended due to delayed winter edition.

- 9. Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.

- 10. Superfund Site:** Recent activity in front of storage facility.

- 11. New Logo:** D. Hartke working on a more polished version of the EAC logo for review.

- 12. New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – March 7, 2017, 7:30 pm

Attendees: EAC Members: Terry Watkins (1 - D'Emilio); Katie Thompson (3 - McClusky); Aurora Dizel (4 - Siegel); Victor Barsky (5 - Lewis); Vacant (6 - Holmes); Henry Eichman (7 - McGarrity); Peter Puglionesi (8 – Connell); Michael D'Antonio (EAC Appointee); J. Knox (EAC Appointee); Andrew Seaman (EAC Appointee); Brian Werner (EAC Appointee); Peter Hickman (Township Liaison); Visitors/Volunteers: Melissa Romano, Steve Fisher

Schedule: 1st Tuesday of the Month at Quattrani except for 7/5, 9/6 and 12/5 (CREC), 10/5 (Weds).

1. Meeting Minutes

a. **Prior Meeting Minutes Approval** (Motion: Henry, 2nd J. Knox, Unanimous).

b. **Volunteer to Prepare Tonight's Minutes** (P. Puglionesi)

2. **EAC Website:** We agreed to take a group photo at the next opportunity and do a new update of EAC "Who We Are" material for 2017-2018. Previously P. Puglionesi transmitted the final update for prior term to Rick McClary who oversees the Township web site for posting but no action has been taken to date. Allie Rothman moved from PT to FT to do web site complete redesign which may be causing delay.

3. **Recycling:** The Township mailing with a full size sticker is still pending. A. Dizel is working on a cover letter and recommended contents for a mailer to go to all new residents after closing. V. Borsky is working on finalizing the recycling presentation for the Board of Commissioners previously requested by Commissioner Holmes which remains on hold. A. Dizel discussed an apartment recycling program PRC has in Western PA and will email a link. EAC discussed developing similar materials that can be used for apartments here. Bob Gove will be invited to the next meeting to discuss apt complex progress and whether this can be useful. Victor offered to develop a composting poster.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Tree Tenders: No update.

HTSD: K Thompson will send contact information for the Coopertown teacher who wants a rain garden.

Intern: No progress. N. Schmidt previously emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: On hold until late spring to see if, after plants mature, the inlet can be further raised (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

100 Rain Gardens Initiative: No update. The assessments were conducted and a selection was made for 5 "residential" garden candidates (and 2 alternates) for Spring 2017 gardens.

NFWF Grants: No update. L. Gentile previously held a project kickoff meeting with a DCVA representative (P. Puglionesi) and the Township Engineer. DCVA also completed accelerated percolation test and shallow hand auger soil samples (refusal at about 18" due to the presence of 2" stone "ballast" typical of trolley tracks that were historically present). DCVA will work with Haverford Township on the design and curb reconstruction and will install the garden under a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed, including a median gardens at Darby Road between the Middle School and Township building and 10 other gardens.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time.

Median Rain Gardens (Twp Led): No update. The location at Hathaway near the Eagle Road end will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts).

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate "model" SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with

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a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

5. **Assessing Progress in Climate Action Plan Implementation.** Discussed EAC trial use of the 1 page guide to buying renewable power, distributed by P. Puglionesi by email after previous meeting. Will redistribute and try for more feedback and seek a volunteer to update it.
6. **Haverford Township Day Green Zone (First Saturday in October):** Resume activity in June.
7. **Planning for Earth Day Event (Sat. April 22, 2017).** A. Dizel reported on planning efforts including: multiple sponsors to pay for the proposed activities with funds to go through Parks and Recreation; recieved 2-3 checks; program is set. V. Borsky lined up Pacifico, will bring 2 Fords, 1 Lincoln, hoping to get a plug in delivered; Victor will ask them if OK to bring a Tesla and BMW for display. J. Knox/A. Dizel to develop a final postable schedule and PR pieces/posters; B. Werner and T. Watkins will help with PR by distributing posters and lawn signs; P. Hickman will post on Havertown Facebook page;– K. Thompson will send to PTOs; A. Dizel to send to Dan Siegel, Main Line Neighbors, J. Angell for Informed Citizen, etc.
8. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is ~ April 15 (1/17, 4/17, 7/17, 10/17), and for Recreation Department's HavaGood Times is ~March 15 (3/17, 6/17, 9/17, 12/17). P. Puglionesi requested a deadline update from the township, now 4/25.
9. **Preparation of the 2014/2015 EAC Annual Report:** No progress. A. Dizel and V. Borsky volunteered to update the prior draft to prepare a 2 year report/ presentation. P. S. Puglionesi to send latest draft.
10. **Superfund Site:** No update. Last discussed extensive environmental work in front of the capped site that may have been necessary to install storm water systems as the new storage facility is completed.
11. **New Logo:** No update. D. Hartke will be working on further updates of the logo based on comments received at the January meeting. The consensus was that it needed more work and should better emulate the current logo.
12. **New Business:** P. Puglionesi suggested a Rain Garden Tour as a fund raiser for Hav-a-Rain Garden and to raise awareness for rain gardens and GSI. REI is interested in promoting the trails and trail building events. No update on 2017 Green Homes Tour in 2017 suggested by Dave Hartke who will take the lead on planning. No updates a possible EAC Summit (P.S. Puglionesi previously emailed information to T. Watkins and Cindy Mehallow of Newtown EAC who were going to coordinate).

EAC AGENDA

Haverford Twp EAC – Tuesday, April 4, 2016 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) - Aurora Dizel (4 - Siegel) – Victor Barsky – (5 - Lewis) – Rob Graff – (6 - Holmes) - Henry Eichman - (7 - McGarrity) - Peter Puglionesi (8 - Connell) – Patty Loomer - (9 - Wechsler) – EAC Appointees - Michael D'Antonio, Dave Hartke, James Knox, Andrew Seaman; – Interest in EAC: Michael Schaefer, Brian Werner; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P. S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** 2015-2016 “Who we are” update sent to HT IT still not posted on web page. Will take new photo and take a volunteer develop an update for 2017-2018 term.
3. **Recycling:** A. Gove presenting on apartment recycling progress. Status of HT recycling sticker and new 1 pager (developed by EAC) mailing to every household (Township), EAC 1 pager draft for mailer and contents for new residents (Dizel), postponed presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins (Borsky) and composting poster (Borsky).
4. **Rain Garden Tour:** New item, need volunteers to develop and coordinate this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.
5. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.
NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded.
Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
6. **Assessing Progress in Climate Action Plan Implementation.** Status of updating EAC 1 page guide to buying green power for web and use on Earth Day. Tabled Climate plan progress review until DVRPC 5-year inventory of energy use/greenhouse gas emissions is complete.
7. **Haverford Township Day (1st Saturday in October).** Tabled until June 2016.
8. **Earth Day Event (Sat. April 22, 2017).** Continue planning for 2017. A. Dizel/J. Knox need to finalize PR materials and we need to do outreach through a variety of media outlets, including the activities, schedule and publicizing the EV drive and donate to Hav-a-Rain Garden program.
9. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is ~ January 15 (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is ~March 15 (3/17, 6/17, 9/17, 12/17). January extended due to delayed winter edition.
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Recent annual report, including potential input on optimizing to reduce effluent chloroform levels.
12. **New Logo:** D. Hartke working on a more polished version of the EAC logo for review.
13. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – April 4, 2017, 7:30 pm

Attendees: EAC Members: Terry Watkins (1 - D'Emilio); Katie Thompson (3 - McClusky); Aurora Dizel (4 - Siegel); Victor Barsky (5 - Lewis); Rob Graff (6 - Holmes); Henry Eichman (7 - McGarrity); Peter Puglionesi (8 – Connell); J. Knox (EAC Appointee); Andrew Seaman (EAC Appointee); Brian Werner (EAC Appointee); Peter Hickman (Township Liaison); Visitors/Volunteers: Melissa Romano; Bob Gove.

Schedule: 1st Tuesday of the Month at Quattrani except for 7/5, 9/6 and 12/5 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: Henry, 2nd J. Knox, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (P. Puglionesi)

2. EAC Website:

Group photo for the next to update of EAC “Who We Are” material for 2017-2018 was deferred due to it being too dark. Previously P. Puglionesi transmitted the final update for prior term to Rick McClary who oversees the Township web site for posting but no action has been taken to date. Allie Rothman is now responsible for web site.

3. Recycling:

The Township mailing with a full size sticker is still pending. A. Dizel is working on a cover letter and recommended contents for a mailer to go to all new residents after closing. V. Borsky is working on finalizing the recycling presentation for the Board of Commissioners previously requested by Commissioner Holmes which remains on hold. V. Borsky offered to develop a composting poster. Bob Gove reviewed his efforts on improving recycling at apartment complexes. Apartments only came under Township law 2 years ago. Condos have proven to be the least cooperative. Some apartments have small recycling bins. There have been some observations of haulers co-mingling recycling with trash in the same truck and when asked, the owners say their haulers separate offsite and report amounts recycled. This is difficult to verify. EAC offered to get some guidance from DEP and determine whether they audit or verify hauler claims of downstream separation of trash and recycling. We discussed encouraging or requiring apartments to mount posters with recycling information at the trash collection locations and, if Haverford revised the ordinance to require it, how to police it. Since apartments have an annual fire code inspection, which comprehensively reviews public areas of the facility, adding this to the inspection and forwarding results to Mr. Gove would not require significant additional effort. Mr. Gove indicated that he is receptive to EAC support on developing outreach tools for apartments and condos. We discussed having a scrap metal dumpster at the public works yard and Mr. Gove indicated that the township is reluctant to have a scrap metal dumpster because they are concerned that appliances and air conditioners will be dumped there.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Rain Garden Tour: M. Romano offered to help P. Puglionesi with a Rain Garden Tour as a fund raiser for Hav-a-Rain Garden and to raise awareness for rain gardens and GSI.

Tree Tenders: No update.

HTSD: P. Puglionesi will follow up with the Coopertown PTO representative that K. Thompson indicated is interested in a rain garden at the school.

Intern: No progress. N. Schmidt previously emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: On hold until late spring to see if, after plants mature, the inlet can be further raised (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

100 Rain Gardens Initiative: No update. The assessments were conducted and a selection was made for 5 “residential” garden candidates (and 2 alternates) for Spring 2017 gardens.

NFWF Grants: No update. L. Gentile previously held a project kickoff meeting with a DCVA representative (P. Puglionesi) and the Township Engineer. DCVA also completed accelerated percolation test and shallow hand auger soil samples (refusal at about 18” due to the presence of 2” stone “ballast” typical of trolley tracks that were historically present). DCVA will work with Haverford Township on the design and curb

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reconstruction and will install the garden under a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed, including a median gardens at Darby Road between the Middle School and Township building and 10 other gardens.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time.

Median Rain Gardens (Twp Led): No update. The location at Hathaway near the Eagle Road end will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts).

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate "model" SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

5. **Assessing Progress in Climate Action Plan Implementation.** M. Romano tried the 1 page guide to buying renewable power and some suggested changes were made by email. It will be updated to include the new web page configuration before Earth Day and then posted on the EAC web page. Mr. Graff indicated that the DVRPC Climate inventory focuses on utilities and transportation. He suggested exploring the Sierra Club – Ready for 100% initiative, but P. Puglionesi indicated that the web site was not too helpful.
6. **Haverford Township Day Green Zone (First Saturday in October):** Resume activity in June.
7. **Planning for Earth Day Event (Sat. April 22, 2017).** A. Dizel reported on planning efforts including: sponsors committed and one which dropped out, asking an energy coop. K. Thompson will do recycling information display. PS Puglionesi will get the DCVA watershed table and student volunteers will staff it. V. Borsky confirmed that Pacifico will bring at least 2 EV/plug in vehicles, and a private Tesla and BMW will be display. (Note: Zero Motorcycle was expected but could not make it and P. Puglionesi brought his Zero). J. Knox completed a poster. A. Dizel will handle social media and PR outreach; B. Werner and T. Watkins will help with PR by distributing posters and lawn signs. P. Hickman, K. Thompson and others will help disseminate through commissioner Siegel's 4 Haverford, Main Line Neighbors, Informed Citizen, etc.
8. **Contributions to Township and Recreation Newsletters.** Next deadline for the Township Newsletter was pushed back to ~ 4/25 (1/17, 4/17, 7/17, 10/17). HavaGood Times is ~June 15 (3/17, 6/17, 9/17, 12/17).
9. **Preparation of the 2014/2015 EAC Annual Report:** V. Borsky prepared an updated draft which will be distributed after Earth Day. Discussed a 2 or 3 year report/ presentation.
10. **Superfund Site:** P.S. Puglionesi circulated the 2015-2016 Annual O&M report before the meeting and proposed comments on optimizing to reduce manufacture of chloroform in the treatment process. And there were no objections. Last discussed extensive environmental work in front of the capped site that may have been necessary to install storm water systems as the new storage facility is completed.
11. **New Logo:** PS Puglionesi will redistribute D. Hartke updates of the logo for comments before revising further. The consensus was that it needed more work and should better emulate the current logo.
12. **New Business:** No updates on REI interest in promoting the trails and trail building events, 2017 Green Homes Tour in 2017 suggested by Dave Hartke, EAC Summit (P.S. Puglionesi previously emailed information to T. Watkins and Cindy Mehallow of Newtown EAC who were going to coordinate). T. Watkins will reach out this week.

EAC AGENDA

Haverford Twp EAC – Tuesday, May 2, 2016 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) – Rob Graff (6 - Holmes) – Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – Patty Loomer (9 - Wechsler) – EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P. S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Take photo for 2017-2018 EAC term "Who we are" update and take a volunteer to develop a web page update for review and to send to HT IT.
3. **Recycling:** Apartment recycling progress. Status of HT recycling sticker and new 1 pager (developed by EAC) mailing to every household (Township), EAC 1 pager draft for mailer and contents for new residents (Dizel), postponed presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins (Borsky) and composting poster (Borsky).
4. **Rain Garden Tour:** Update on planning this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.
5. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.
NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded.
Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
6. **Assessing Progress in Climate Action Plan Implementation.** Status of updating EAC 1 page guide to buying green power for web and use on Earth Day. Tabled Climate plan progress review until DVRPC 5-year inventory of energy use/greenhouse gas emissions is complete.
7. **Haverford Township Day (1st Saturday in October).** Tabled until June 2016.
8. **Earth Day Event (Sat. April 22, 2017).** Recap of 2017 and lessons learned and donation to Hav-a-Rain Garden program.
9. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is ~ January 15 (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is ~March 15 (3/17, 6/17, 9/17, 12/17). January extended due to delayed winter edition.
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Recent annual report, including input on optimizing to reduce effluent chloroform levels.
12. **New Logo:** D. Hartke to take final comments before working on a more polished version of the EAC logo for review.
13. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – May 5, 2017, 7:30 pm

Attendees: EAC Members: David Schwartz (2 - Oliva); Katie Thompson (3 - McClusky); Aurora Dizel (4 - Siegel); Victor Barsky (5 - Lewis); Rob Graff (6 - Holmes); Henry Eichman (7 - McGarrity); Peter Puglionesi (8 – Connell); J. Knox (EAC Appointee); Andrew Seaman (EAC Appointee); Peter Hickman (Township Liaison); Visitors/Volunteers: Melissa Romano.

Schedule: 1st Tuesday of the Month at Quattrani except for 7/5, 9/6 and 12/5 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: Henry, 2nd K. Thompson, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (P. Puglionesi)

2. EAC Website: Group photo taken during the meeting will be used for the next to update of EAC "Who We Are" material for 2017-2018. D. Schwartz volunteered to provide an updated draft for review and the final submitted to Rick McClary and Allie Rothman (responsible for web site).

3. Recycling: The Township mailing with a full size sticker is still pending. A. Dizel is working on a cover letter and recommended contents for a mailer to go to all new residents after closing. A. Dizel also volunteered to work on updating the 2013 "How to Recycle Everything Else" reference. V. Borsky is working on finalizing the recycling presentation for the Board of Commissioners previously requested by Commissioner Holmes which remains on hold. V. Borsky offered to develop a composting poster. K. Thompson volunteered to draft a survey on recycling. P. Puglionesi provided information to Mr. Gove on notifying DEP of recyclers who comeingle recycling with trash and claim they do downstream separation of trash and recycling. DEP indicated this is only done by 1 New Jersey recycler that they know of. Information from the last meeting provided by Bob Gove on efforts to improving recycling at apartment complexes was briefly reviewed and we discussed that implementation would require an update of the ordinance (e.g., required posting at dumpsters, providing a recycling dumpster at least as large as the trash dumpster.

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Rain Garden Tour: M. Romano offered to help P. Puglionesi with a Rain Garden Tour as a fund raiser for Hav-a-Rain Garden and to raise awareness for rain gardens and GSI.

Tree Tenders: No update.

HTSD: P. Puglionesi followed up with the Coopertown PTO representative that K. Thompson indicated is interested in a rain garden at the school but has not received a reply yet.

Intern: No progress. N. Schmidt previously emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: On hold until late spring to see if, after plants mature, the inlet can be further raised (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

100 Rain Gardens Initiative: No update. The assessments were conducted and a selection was made for 5 "residential" garden candidates (and 2 alternates) for Spring 2017 gardens.

NFWF Grants: No update. L. Gentile previously held a project kickoff meeting with a DCVA representative (P. Puglionesi) and the Township Engineer. DCVA also completed accelerated percolation test and shallow hand auger soil samples (refusal at about 18" due to the presence of 2" stone "ballast" typical of trolley tracks that were historically present). DCVA will work with Haverford Township on the design and curb reconstruction and will install the garden under a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed, including a median gardens at Darby Road between the Middle School and Township building and 10 other gardens.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time.

Median Rain Gardens (Twp Led): No update. The location at Hathaway near the Eagle Road end will be

Haverford Township Environmental Advisory Committee

Meeting Minutes – May 5, 2017, 7:30 pm

discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts).

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: No updates. Revised MS4 General Permit is due in early 2016 with a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load).

5. **Assessing Progress in Climate Action Plan Implementation.** P.S. Puglionesi updated the 1 page guide to buying renewable power for the new papowerswitch.com web site. It remains to be posted on the EAC web page. J. Knox will attend May 9th workshop at library featuring green gardens, solar city, etc. and report back. We discussed holding our own workshops at the library, screening environmental documentaries, etc.
6. **Haverford Township Day Green Zone (First Saturday in October):** Resume activity in June.
7. **Planning for Earth Day Event (Sat. April 22, 2017).** It was an excellent event and A. Dizel was particularly commended for her good planning and execution. She was a little disappointed in Greener Partners and will provide them feedback.
8. **Contributions to Township and Recreation Newsletters.** Next deadline for the Township Newsletter was pushed back to ~ 4/25 (1/17, 4/17, 7/17, 10/17). HavaGood Times is ~June 15 (3/17, 6/17, 9/17, 12/17).
9. **Preparation of the 2014/2015 EAC Annual Report:** V. Borsky prepared an updated draft which will be distributed after Earth Day. Discussed a 2 or 3 year report/ presentation.
10. **Superfund Site:** No new updates.
11. **New Logo:** No new updates. We will review once D. Hartke updates the logo for prior comments before revising further. Prior consensus was that it needed more work and should better emulate the current logo.
12. **New Business:** Michael D’Antonio emailed before the meeting indicating he has resigned from the EAC. No updates on REI interest in promoting the trails and trail building events, 2017 Green Homes Tour in 2017 suggested by Dave Hartke, EAC Summit (P.S. Puglionesi previously emailed information to T. Watkins and Cindy Mehallow of Newtown EAC who were going to coordinate).

EAC AGENDA

Haverford Twp EAC – Tuesday, June 6, 2017 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) – Rob Graff (6 - Holmes) – Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – Patty Loomer (9 - Wechsler) – EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P. S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. EAC Website: Status of web page update draft.

3. Recycling: Apartment recycling progress. Status of HT recycling sticker and new 1 pager (developed by EAC) mailing to every household (Township), EAC 1 pager draft for mailer and contents for new residents (Dizel), postponed presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins (Borsky) and composting poster (Borsky).

4. Rain Garden Tour: Update on planning this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.

5. Storm Water & Rain Garden Subcommittee Updates: DL, PSP, HE, DH, DS, NS to report.

Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.

NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded.

Participation in new PRC / EDCSWC grant (could supply plants/materials beginning in fall).

100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.

Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.

6. Climate Action Plan Implementation. Review proposals to join "Ready for 100" or endorse resolutions on either CCL "Carbon Fee" or Paris Accord. EAC 1 page guide to buying green power for web and use on Earth Day – ready for posting. Tabled Climate plan progress review until DVRPC 5-year inventory of energy use/greenhouse gas emissions is complete.

7. Haverford Township Day (1st Saturday in October). Tabled until June 2016.

8. Earth Day Event (Sat. April 22, 2017). Recap of 2017 and lessons learned and donation to Hav-a-Rain Garden program.

9. Contributions to Township and Recreation Newsletters. Next deadline is for the Township Newsletter is ~ January 15 (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is ~March 15 (3/17, 6/17, 9/17, 12/17). January extended due to delayed winter edition.

10. Preparation of the 2014/2015 EAC Annual Report: Update on drafting sections.

11. Superfund Site: Recent reports.

12. New Logo: Status of D. Hartke work on a more polished version of the EAC logo for review.

13. New Business

Haverford Township Environmental Advisory Committee

Meeting Minutes – June 6, 2017, 7:30 pm

Attendees: EAC Members: Terry Watkins (1 - D'Emilio); David Schwartz (2 - Oliva); Katie Thompson (3 - McClusky); Aurora Dizel (4 - Siegel); Victor Barsky (5 - Lewis); Henry Eichman (7 - McGarrity); Peter Puglionesi (8 – Connell); D. Hartke(EAC Appointee); J. Knox (EAC Appointee); Andrew Seaman (EAC Appointee); Peter Hickman (Township Liaison); EAC Chair Emeritus - Jan Marie Rushforth; Visitors/Volunteers: Monica Baziuk, Steve Clark, Melissa Romano, Jean Lutes, Alan Rushforth, Maggie Thornton.

Schedule: 1st Tuesday of the Month at Quattrani except for 7/5, 9/6 and 12/5 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: T. Watkins, 2nd A. Dizel, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (P. Puglionesi)

2. EAC Website:

Updated of EAC "Who We Are" for 2017-2018 reviewed and found acceptable, with a correction to spelling for V. Barsky. D. Schwartz volunteered to provide an updated draft for review and the final submitted to Rick McClary and Allie Rothman (responsible for web site).

3. Recycling:

The Township mailing with a full size sticker is still pending. A. Dizel suggested providing additional stickers for distribution at the Farmers Market. A. Dizel is working on a cover letter and recommended contents for a mailer to go to all new residents after closing. A. Dizel (w/help from James) also volunteered to work on updating the 2013 "How to Recycle Everything Else" reference. V. Borsky is working on finalizing the recycling presentation for the Board of Commissioners previously requested by Commissioner Holmes which remains on hold. V. Borsky offered to develop a composting poster and suggested a meeting with the Township Manager (with H. Eichman). K. Thompson volunteered to draft a survey on recycling. No update on Mr. Gove's efforts (including on notifying DEP of recyclers who comeingle recycling with trash and claim they do downstream separation of trash and recycling)..

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Rain Garden Tour: M. Romano offered to help P. Puglionesi with a Rain Garden Tour as a fund raiser for Hav-a-Rain Garden and to raise awareness for rain gardens and GSI.

Tree Tenders: No update.

HTSD: P. Puglionesi followed up with the Coopertown PTO representative that K. Thompson indicated is interested in a rain garden at the school but has not received a reply yet.

Intern: No progress. N. Schmidt previously emailed Villanova contacts regarding getting an intern.

Paddock Park Rain Garden: On hold until late spring to see if, after plants mature, the inlet can be further raised (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

100 Rain Gardens Initiative: No update. The assessments were conducted and a selection was made for 5 "residential" garden candidates (and 2 alternates) for Spring 2017 gardens.

NFWF Grants: L. Gentile indicated that it cannot proceed with the Darby Road site due to difficulties getting the existing work approved by PennDOT. DCVA will work with Haverford Township on an alternate location for the design and curb reconstruction and will install the garden under a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed. The project also includes 10 other gardens in the Naylor's sub-watershed.

Grants/Sponsorships: Open items: M. Schaefer to contact Whole Foods about dedicating a 5% day to the program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and would require more time.

Median Rain Gardens (Twp Led): No update. The location at Hathaway near the Eagle Road end will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts).

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce

Haverford Township Environmental Advisory Committee

Meeting Minutes – June 6, 2017, 7:30 pm

flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: Revised MS4 General Permit has a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load). The Township decided to develop its own plan rather than collaborate through EDCSC.

5. **Assessing Progress in Climate Action Plan Implementation.** The updated 1 page guide to buying renewable power for the new papowerswitch.com web site remains to be posted on the EAC web page. J. Knox attended the May 9th workshop at library featuring green gardens, solar city, etc. and report believes that we can conduct own workshops at the library, screening environmental documentaries, etc. EAC reviewed Township measures taken to reduce energy consumption and that it has thus far not formally tracked track progress vs. the Climate Action Plan. EAC reviewed its prior discussions regarding the potential for Haverford to join such efforts as the Sierra Club’s “Ready for 100”. J. Rushforth explained the bipartisan Citizen’s Climate Lobby (CCL) proposals and the support thus far for it in congress. HCAN presented on its brief proposed resolution in support of taking local action on climate change and its plans for the upcoming meetings. EAC explained that it is an advisory committee and not an advocacy group and that CCL and HCAN can address the Board of Commissioners directly. EAC will determine with the Township Manager and Commissioners whether they are receptive to an EAC presentation on the subject of climate change. We discussed the potential for also recommending a review of the 2009 plan and to what has been implemented and what progress has been made in energy reduction. We can also identify items that the Township can implement in the coming years (e.g., procuring renewable energy, hybrids and/or electric vechiles, propane vs. diesel garbage trucks). S. Clark volunteered to help develop an update to the ICLEI 2009 inventory to check progress and thought that EAC member R. Graff would assist. P. Puglionesi indicated he would discuss the update and presentation with L. Gentile and Commissioner Holmes as well as Commissioner Connell. Other EAC members indicated they would endeavor to brief their Commissioners as well.
6. **Haverford Township Day Green Zone (First Saturday in October, the 7th):** Discussed the need to resume activity with the first priority being to reach out to potential Green Zone participants.
7. **Planning for Earth Day Event (Sat. April 19 or 26, 2018).** Resume activity in December.
8. **Contributions to Township and Recreation Newsletters.** Next deadline for the Township Newsletter is due 7/17 (1/17, 4/17, 7/17, 10/17). HavaGood Times is ~June 15 (3/17, 6/17, 9/17, 12/17).
9. **Preparation of the 2014/2015 EAC Annual Report:** V. Barsky is preparing an updated draft, possibly a 2 or 3 year report/ presentation.
10. **Superfund Site:** No new updates.
11. **New Logo:** No new updates. We will review once D. Hartke updates the logo for prior comments before revising further. Prior consensus was that it needed more work and should better emulate the current logo.
12. **New Business:** No updates on REI interest in promoting the trails and trail building events, 2017 Green Homes Tour in 2017 suggested by Dave Hartke, EAC Summit (P.S. Puglionesi previously emailed information to T. Watkins and Cindy Mehallow of Newtown EAC who were going to coordinate). T. Watkins said she would proceed this summer.

EAC AGENDA

Haverford Twp EAC – Wednesday, July 5, 2017 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) – Rob Graff (6 - Holmes) – Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – Patty Loomer (9 - Wechsler) – EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P. S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. EAC Website: Status of web page update draft.

3. Recycling: Apartment recycling progress. Status of HT recycling sticker and new 1 pager (developed by EAC) mailing to every household (Township), EAC 1 pager draft for mailer and contents for new residents (Dizel), postponed presentation requested by Commissioner Holmes on improvements to recycling and solutions to ensure all new residents get recycling bins (Borsky) and composting poster (Borsky).

4. Rain Garden Tour: Update on planning this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.

5. Storm Water & Rain Garden Subcommittee Updates: DL, PSP, HE, DH, DS, NS to report.

Business Sponsorship/Non-Profit Partnership. Status of fundraising efforts.

NFWF and Other Grants. DCVA application for Darby Median Rain Gardens - awarded.

Participation in new PRC / EDCSWC grant (supplying plants/materials beginning fall 2016).

100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.

Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.

6. Climate Action Plan Implementation. Develop BoC presentation for July 10 BoC meeting on potential resolution and proposal to develop a status report on Climate Action Plan progress and updated recommendations. Resolution could range from potential generic support for climate action to additional specific support for endorsing CCL "Carbon Fee" or joining Paris Accord or "Ready for 100" commitments. EAC 1 page guide to buying green power for web and use on Earth Day – ready for posting.

7. Haverford Township Day (1st Saturday in October). Active recruitment and planning.

8. Earth Day Event (Sat. April 22, 2017). Tabled until December 2017.

9. Contributions to Township and Recreation Newsletters. Next deadline is for the Township Newsletter is due July 17, need a volunteer (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is due (3/17, 6/17, 9/17, 12/17).

10. Preparation of the 2014/2015 EAC Annual Report: Update on drafting sections.

11. Superfund Site: Recent reports.

12. New Logo: Status of D. Hartke work on a more polished version of the EAC logo for review.

13. New Business

Haverford Township Environmental Advisory Committee

Meeting Minutes – July 5, 2017, 7:30 pm

Attendees: EAC Members: Terry Watkins (1 - D'Emilio); Katie Thompson (3 - McClusky); Aurora Dizel (4 - Siegel); Victor Barsky (5 - Lewis); Henry Eichman (7 - McGarrity); Peter Puglionesi (8 – Connell); Peter Hickman (Township Liaison); Visitors/Volunteers: Monica Baziuk, Steve Clark, Melissa Romano, Maggie Thornton.

Schedule: 1st Tuesday of the Month at Quattrani except for 7/5, 9/6 and 12/5 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: H. Eichman, 2nd Hickman, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (P. Puglionesi)

2. EAC Website: Update EAC "Who We Are" for 2017-2018 ready for posting. D. Schwartz is working on an updated draft for review and the final submitted to Rick McClary and Allie Rothman (responsible for web site).

3. Recycling: The Township mailing with a full size sticker started arriving, but is bulk mail and not all members received theirs. A. Dizel will work on a cover letter and recommended contents for a mailer to go to all new residents after closing. V. Barsky distributed an article on Composting and he will develop a 1 pager within the next week for the Township newsletter. A. Dizel (w/help from James) is working on updating the 2013 "How to Recycle Everything Else" reference. V. Barsky is working on finalizing the recycling presentation for the Board of Commissioners previously requested by Commissioner Holmes which remains on hold. V. Barsky offered to develop a composting poster and suggested a meeting with the Township Manager (with H. Eichman). K. Thompson drafted a survey on recycling and, with input from EAC, it will be finalized and distributed via social media. No update on Mr. Gove's efforts (including on notifying DEP of recyclers who comeingle recycling with trash and claim they do downstream separation of trash and recycling).

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Rain Garden Tour: M. Romano will help P. Puglionesi with a Rain Garden Tour as a fund raiser for Hav-a-Rain Garden and to raise awareness for rain gardens and GSI (may not happen this year but there will be a mini-tour with a planned Workshop at HTFL in late July).

HTSD: P. Puglionesi followed up with the Coopertown PTO representative that K. Thompson indicated is interested in a rain garden at the school but has not received a reply yet.

Intern: No progress. Still interested in Bryn Mawr, Villanova or other school intern.

Paddock Park Rain Garden: Plants appear to be sufficiently mature, should approach the Township about raising the inlet further (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

Spring Road "Nature Center" Rain Garden: P. Puglionesi consulted with C. Connell, HT and neighbors and developed a concept for demonstration rain garden, pervious sidewalk and options for neighbor's pervious driveway – under consideration by L. Gentile.

100 Rain Gardens Initiative: Five Spring 2017 gardens were installed. Assessments are underway for 5 "residential" garden candidates (and 2 alternates) for Fall 2017 gardens.

NFWF Grants: L. Gentile indicated that it cannot proceed with the Darby Road site due to difficulties getting the existing work approved by PennDOT. DCVA will work with Haverford Township on an alternate location for the design and curb reconstruction and will install the garden under a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed. The project also includes 10 other gardens in the Naylor's sub-watershed.

Grants/Sponsorships: P.S. Puglionesi completed an on-line Whole Foods application for the 5% to non-profits day program, and P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and more time.

Median Rain Gardens (Twp Led): No update. The location at Hathaway near the Eagle Road end will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout

Haverford Township Environmental Advisory Committee

Meeting Minutes – July 5, 2017, 7:30 pm

depth and plants, the Township can install it (including any necessary curb cuts).

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate “model” SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: Revised MS4 General Permit has a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load). The Township decided to develop its own plan rather than collaborate through EDCSC and P.S.Puglionesi reviewed some concepts on a “project list” developed for DCVA/Hav-a-Rain Garden.

5. **Assessing Progress in Climate Action Plan Implementation.** P. Puglionesi confirmed that the Township Manager and Commissioners are receptive to an EAC presentation on the subject of climate change and it will be on the agenda. We will also recommend a review of the 2009 plan, what has been implemented and what progress has been made in energy reduction. We can also identify items that the Township can implement in the coming years (e.g., procuring renewable energy, hybrids and/or electric vehicles, propane vs. diesel garbage trucks). Reviewed draft BoC presentation but R. Graff has an updated one. S. Clark and R. Graff thought it would be limited to facilities but we agreed that it will be necessary to add heating and transportation for a comparison of total GHG vs the 2005 baseline year. Discussed options for a Resolution – 1-J. Lutes’s simple call to action; 2-CCL’s support of a carbon fee; 3-Commitment to follow the Paris accord; 4-Call for state Action. R. Graff circulated an article on the PECO Smart Energy Choices program – guarantees 7% below the price to compare (PTC) for customers now using PECO. Green Mountain told A. Dizel they will meet the price. PECO instruct customers to log on to “My PECO” and look for instructions or call PECO. The updated 1 page guide to buying renewable power for the new papowerswitch.com web site remains to be posted on the EAC web page. EAC will pursue conducting its own workshops at the library, screening environmental documentaries, etc. S. Clark and R. Graff will develop an update to the ICLEI 2009 inventory to check progress.
6. **Haverford Township Day Green Zone (First Saturday in October, the 7th):** Discussed the need to resume activity. A. Dizel is coordinating with the first priority being to reach out to potential Green Zone participants.
7. **Planning for Earth Day Event (Sat. April 19 or 26, 2018).** Resume activity in December.
8. **Contributions to Township and Recreation Newsletters.** Next deadline for the Township Newsletter is due 7/17 (1/17, 4/17, 7/17, 10/17). HavaGood Times is ~June 15 (3/17, 6/17, 9/17, 12/17).
9. **Preparation of the 2014/2015 EAC Annual Report:** V. Barsky is preparing an updated draft, possibly a 2 or 3 year report/ presentation.
10. **Superfund Site:** No new updates.
11. **New Logo:** No new updates. We will review once D. Hartke updates the logo for prior comments before revising further. Prior consensus was that it needed more work and should better emulate the current logo.
12. **New Business:** No updates on REI interest in promoting the trails and trail building events, 2017 Green Homes Tour in 2017 suggested by Dave Hartke. A. Dizel talked to Bruce Killen and T. Watkins talked to Cindy Mehallow of Newtown Township regarding the EAC Summit and Newtown EAC is discussing tonight – we will try to set a date in October. T. Watkins said she would proceed this summer. P. S. Puglionesi will contact DCVA to see if they will organize and host it.

EAC AGENDA

Haverford Twp EAC – Tuesday, August 1, 2017 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) – Rob Graff (6 - Holmes) – Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – Patty Loomer (9 - Wechsler) – EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P. S. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Status of web page update draft (D. Schwartz). EAC 1 page guide to buying green power – ready for posting. Composting in progress. Other possible 1-pagers.
3. **Recycling:** Apartment recycling progress. Status of Township feedback on EAC letter draft for new resident recycling envelop package (Puglionesi), postponed presentation requested by Commissioner Holmes on improvements to recycling and composting 1-pager (Borsky). Brief composting ordinance revision proposed – is this enough vs. longer versions?
4. **Rain Garden Tour:** Update on planning this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.
5. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Business Sponsorship/Non-Profit Partnership. Volunteer needed for fundraising efforts.
NFWF and Other Grants. DCVA Darby Median Rain Gardens – Twp declines to pursue due to PennDOT difficulties with larger project. Alternative locations. Participation in new PRC / EDCSWC grant (supplying plants/materials beginning fall 2016).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
6. **Climate Action Plan Implementation.** Action items from BoC presentation for July 10 BoC meeting where resolution on global warming passed and EAC proposal was well received – EAC work to date on a status report on Climate Action Plan progress and updated recommendations. Resolution was a simple call to action for federal/state elected officials. Discuss potential for endorsing CCL “Carbon Fee” or joining Paris Accord or “Ready for 100” commitments and additional BoC action that would be needed. Volunteers to organize library workshop series (e.g., switching to renewable energy for less money than Peco; the home solar panel experience, composting, etc.). Report by anyone who tried the Peco Smart Energy Choice switch to green power with a 7% discount / 12 month contract (have to call Peco or sign in to your account).
7. **Haverford Township Day (1st Saturday in October).** Active recruitment and planning.
8. **Earth Day Event (Sat. April 22, 2017).** Tabled until December 2017.
9. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is due October 17, need a volunteer (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is due soon (3/17, 6/17, 9/17, 12/17).
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Recent reports.
12. **New Logo:** Status of D. Hartke work on a more polished version of the EAC logo for review.
13. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – August 1, 2017, 7:30 pm

Attendees: EAC Members: Terry Watkins (1 - D'Emilio); David Schwartz (2 - Oliva); Katie Thompson (3 - McClusky); Aurora Dizel (4 - Siegel); Victor Barsky (5 - Lewis); Rob Graff (6 - Holmes); Henry Eichman (7 - McGarrity); Peter Puglionesi (8 – Connell); EAC Appointees – David Hartke, James Knox; Visitors/Volunteers: Steve Clark, Melissa Romano.

Schedule: 1st Tuesday of the Month at Quattrani except for 7/5, 9/6 and 12/5 (CREC), 10/5 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: H. Eichman, 2nd A. Dizel, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (T. Watkins)

2. EAC Website: Update EAC "Who We Are" for 2017-2018 ready for posting. D. Schwartz sent the website word file to P. Puglionesi. The Links will go to the same place. EAC will review the draft and the final will be submitted to Rick McClary and Allie Rothman (responsible for web site).

3. Recycling: The Township Manager is receptive to the recycling package for new residents (EAC sent him cover letter in July). Commissioners may want to hand out the packages and Township Manager will determine the designated person in wards where the commissioner will not distribute it. The Township Manager also OK'd the survey on recycling and the link was included in the Township newsletter July submission. The plan is to also distribute it via social media (via A. Dizel and J. Angell). Composting was included the Township newsletter July submission. An ordinance update was proposed in an email sent to the Township Manager but there was no response. Residents can compost under the current ordinance, but the compost must be self-contained and not in piles. A. Dizel (w/help from James) is working on updating the 2013 "How to Recycle Everything Else". V. Barsky is working on finalizing the recycling presentation for the Board previously requested by Commissioner Holmes which remains on hold. V. Barsky offered to develop a composting poster and suggested a meeting with the Township Manager (with H. Eichman). No update on Mr. Gove's efforts (including on notifying DEP of recyclers who comeingle recycling with trash and claim they do downstream separation of trash and recycling).

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Rain Garden Tour: Mini-tour was conducted with the recent Workshop at HTFL in late July. M. Romano will help P. Puglionesi with a Rain Garden Tour as a fund raiser for Hav-a-Rain Garden and to raise awareness for rain gardens and GSI (may not happen this year).

HTSD: P. Puglionesi followed up with the Coopertown PTO representative that K. Thompson indicated is interested in a rain garden at the school but has not received a reply yet.

Intern: No progress. Still interested in Bryn Mawr, Villanova or other school intern.

Paddock Park Rain Garden: Plants appear to be sufficiently mature, should approach the Township about raising the inlet further (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

Spring Road "Nature Center" Rain Garden: P. Puglionesi consulted with C. Connell, HT and neighbors and developed a concept for demonstration rain garden, pervious sidewalk and options for neighbor's pervious driveway – under consideration by L. Gentile but this may be delayed until next spring.

100 Rain Gardens Initiative: Five Spring 2017 gardens were installed. Assessments are underway for 5 "residential" garden candidates (and 2 alternates) for Fall 2017 gardens.

Rain Barrels: May be acquired through stream smart through a DCVA grant. H. Eichman offered to donate barrels.

NFWF Grants: L. Gentile indicated that it cannot proceed with the Darby Road site due to difficulties getting the existing work approved by PennDOT. DCVA will work with Haverford Township on an alternate location for the design and curb reconstruction and will install the garden under a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed. The project also includes 10 other gardens in the Naylor's sub-watershed.

Haverford Township Environmental Advisory Committee

Meeting Minutes – August 1, 2017, 7:30 pm

Grants/Sponsorships: No response yet on Whole Foods application for the 5% to non-profits day program. P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and more time.

Median Rain Gardens (Twp Led): No update. The location at Hathaway near the Eagle Road end will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts).

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate "model" SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: Revised MS4 General Permit has a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load). The Township decided to develop its own plan rather than collaborate through EDCSC and P.S.Puglionesi reviewed some concepts on a "project list" developed for DCVA/Hav-a-Rain Garden.

5. **Assessing Progress in Climate Action Plan Implementation.** The update to the ICLEI 2005 inventory to check progress on implementing Haverford Township Climate Plan has made progress. Township has contract to buy electricity by 2020 but there may be a possibility of purchasing renewable energy by negotiation under the current contract. The league of municipalities may be an option for procuring renewable energy for a competitive price. R. Graff will follow up on his contacts with School District's P. Hopkins, and J. Martin who are interested and contacted the school administrator. Release forms need to be signed by Haverford Township and SD prior to retrieving information from PECO. Will also gather data with regard to gas and oil. Students may be available from Haverford to gather data annually. Once finished, EAC will present on progress in energy reduction as an agenda item to the Board and items that to implement in the coming years (e.g., procuring renewable energy, hybrids and/or electric vehicles, propane vs. diesel garbage trucks). Tabled possible additional resolutions – 1-CCL's support of a carbon fee; 2-Commitment to follow the Paris accord; 3-Increased PA renewable goals. More details needed on PECO Smart Energy Choices program – guarantees 7% below the price to compare (PTC) for PECO customers. Green Mountain told A. Dizel they will meet the price. PECO instruct customers to log on to "My PECO" and look for instructions or call PECO but this is difficult to find. The updated 1 page guide to buying renewable power for the new papowerswitch.com web site remains to be posted on the EAC web page. There will be a lecture and workshop series at CREC and the Library sponsored by EAC and Recreation beginning with Sept. 26 7-9PM Lecture by Kristen Findell in honor of Jan Marie Rushforth at CREC.
6. **Haverford Township Day Green Zone (First Saturday in October, the 7th):** A. Dizel is coordinating with the first priority being to reach out to potential Green Zone participants.
7. **Planning for Earth Day Event (Sat. April 19 or 26, 2018).** Tabled until December 2017.
8. **Contributions to Township and Recreation Newsletters.** Next deadline for the Township Newsletter is due 10/17 (1/17, 4/17, 7/17, 10/17). HavaGood Times is ~9/17 (3/17, 6/17, 9/17, 12/17).
9. **EAC Summit (Wed., Oct. 18, 2017-6:30-9:00)** – EAC representatives from various townships are invited to the CREC for information sharing regarding energy, recycling, etc. at the CREC.
10. **Preparation of the 2014/2015 EAC Annual Report:** V. Barsky is working on a 2 or 3 year report.
11. **New Logo:** D. Hartke will meet with co-worker to design to address prior comments (better emulate the current logo and other specific comments).
12. **Superfund Site:** No new updates.
13. **New Business:** No updates on REI interest in promoting the trails or 2017 Green Homes Tour.

EAC AGENDA

Haverford Twp EAC – Tuesday, September 5, 2017 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) – Rob Graff (6 - Holmes) – Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – Patty Loomer (9 - Wechsler) – EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

a. **Approval of Prior Month Meeting Minutes** (by P. Puglionesi)

b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Review web page update draft from D. Schwartz. EAC 1 page guide to buying green power – ready for posting. Composting in progress. Other possible 1-pagers.
3. **Climate Action Plan Implementation.** EAC work to date on Climate Action Plan progress status report and updated recommendations. Organizer updates on workshop series Conquering Your EV/Plug-In Fears – 10/14 (Barsky); Solar Home Conversion Experience –10/24 (Knox); Buying Cheap Renewable Power – 11/1 (Puglionesi). Report by anyone who tried the Peco Smart Energy Choice switch to green power with a 7% discount / 12 month contract (have to call Peco or sign in to your account). Potential resolutions (CCL “Carbon Fee” Resolution or joining Paris Accord or “Ready for 100” commitments) and additional BoC action that would be needed.
4. **Recycling:** Apartment recycling progress. Status of Township action on new resident recycling envelop package, proposed composting ordinance revision, postponed presentation requested by Commissioner Holmes on improvements to recycling and composting 1-pager (Borsky).
5. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Rain Garden Tour. Update on planning this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.
Business Sponsorship/Non-Profit Partnership. Volunteer needed for fundraising efforts.
NFWF and Other Grants. DCVA Darby Median Rain Gardens – Twp declines to pursue due to PennDOT difficulties with larger project. Alternative locations. Participation in new PRC / EDCSWC grant (supplying plants/materials beginning fall 2016).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
6. **EAC Summit (Wed., Oct. 18, 2017-6:30-9:00).** Status of attendees/topics (Watkins) for meeting of EACs from various townships for information sharing regarding energy, recycling, etc.
7. **Haverford Township Day (1st Saturday in October).** Attendees, staffing and final actions needed.
8. **Earth Day Event (Sat. April 22, 2017).** Tabled until December 2017.
9. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is due October 17, need a volunteer (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is due 12/17 (3/17, 6/17, 9/17, 12/17).
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Recent reports.
12. **New Logo:** Status of D. Hartke work on a more polished version of the EAC logo for review.
13. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – September 5, 2017, 7:30 pm

Attendees: EAC Members: David Schwartz (2 - Olivia); Victor Barsky (5 - Lewis); Rob Graff (6 - Holmes); Henry Eichman (7 - McGarrity); Peter Puglionesi (8 – Connell); EAC Appointees –James Knox; P. Hickman (Township Liaison); Visitors/Volunteers: Steve Clark, Melissa Romano.

Schedule: 1st Tuesday of the Month at Quattrani except for 7/5, 9/6 and 11/8 (Weds).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: P. Hickman, 2nd H. Eichman, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (P.S. Puglionesi)

2. EAC Website: Update EAC "Who We Are" for 2017-2018 ready for posting. EAC to review D. Schwartz website update markup word file and send any comments/additional attachments to post within 2 weeks. The final will be submitted to Rick McClary and Allie Rothman (responsible for web site).

3. Recycling: Revisions were made to the recycling survey and a link was sent for final review. It was OK'd by L. Gentile and a link put in the township newsletter. P. Puglionesi will ask L. Gentile if he could allocate 10 or 20 recycling containers to those who complete the survey and enter email/name/address for a chance to win. The plan is to also distribute it via social media (via A. Dizel and J. Angell). No update on whether the Township Manager has implemented the recycling package for new residents (EAC sent him cover letter in July). Commissioners may want to hand out the packages and Township Manager will determine the designated person in wards where the commissioner will not distribute it. Composting was included the Township newsletter July submission. An ordinance update was proposed in an email sent to the Township Manager but there was no response. Residents can compost under the current ordinance, but the compost must be self-contained and not in piles. A. Dizel (w/help from James) is working on updating the 2013 "How to Recycle Everything Else". V. Barsky is working on finalizing the recycling presentation for the Board previously requested by Commissioner Holmes which remains on hold. V. Barsky offered to develop a composting poster and suggested a meeting with the Township Manager (with H. Eichman). No update on Mr. Gove's efforts (including on notifying DEP of recyclers who comingle recycling with trash and claim they do downstream separation of trash and recycling).

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Rain Garden Tour: M. Romano will help P. Puglionesi with a Rain Garden Tour as a fund raiser for Hav-a-Rain Garden and to raise awareness for rain gardens and GSI (2018).

HTSD: P. Puglionesi followed up with the Coopertown PTO representative that K. Thompson indicated is interested in a rain garden at the school but has not received a reply yet.

Intern: No progress. Still interested in Bryn Mawr, Villanova or other school intern.

Paddock Park Rain Garden: Plants appear to be sufficiently mature, should approach the Township about raising the inlet further (more than the current 6 inches above the bottom of the basin) to increase detention capacity without affecting drain down within 2 days.

Spring Road "Nature Center" Rain Garden: P. Puglionesi consulted with C. Connell, HT and neighbors and developed a concept for demonstration rain garden, pervious sidewalk and options for neighbor's pervious driveway – under consideration by L. Gentile but this may be delayed until next spring.

100 Rain Gardens Initiative: Five Spring 2017 gardens were installed. Assessments are underway for 5 "residential" garden candidates (and 2 alternates) for Fall 2017 gardens.

Rain Barrels: Rain Barrel workshop at Quattrani on October 25th by PRC and EDCSC.

NFWF Grants: L. Gentile indicated that it cannot proceed with the Darby Road site due to difficulties getting the existing work approved by PennDOT. DCVA will work with Haverford Township on an alternate location for the design and curb reconstruction and will install the garden under a National Fish and Wildlife Federation (NFWF) grant for rain gardens in the Naylor's Run target sub-watershed. The project also includes 10 other gardens in the Naylor's sub-watershed.

Grants/Sponsorships: No response yet on Whole Foods application for the 5% to non-profits day program.

Haverford Township Environmental Advisory Committee

Meeting Minutes – September 5, 2017, 7:30 pm

P.S. Puglionesi to get a I-Radio Philly PSA aired. Lowe's recommended applying for a larger grant (up to \$25,000) but this would require partnering for education and more time.

Median Rain Gardens (Twp Led): No update. The location at Hathaway near the Eagle Road end will be discussed at a suitable time. Mr. Gentile previously indicated that if we identify a suitable location, layout depth and plants, the Township can install it (including any necessary curb cuts).

Advice on Updates to Twp. Subdivision Design Standards (for updating parking lot, sidewalk residential driveway specs and impervious cover standards to reflect modern GSI and improve infiltration and reduce flooding): No updates. D. Schwartz previously suggested just using the Philadelphia program guidance and provided links to it. It is not clear whether this is an appropriate "model" SALDO and/or specification.

DEP MS4 Permit for TMDL Watersheds: Revised MS4 General Permit has a requirement that every municipality discharging to an impaired water must put together a plan, with real projects identified and costed, for reducing causes of impairment by 5%-10% over the permit 5-yr term to avoid EPA and DEP creating a Total Maximum Daily Limit (TMDL) for the impaired water (e.g., 5-10% reduction of solids load). The Township decided to develop its own plan rather than collaborate through EDCSC and P.S.Puglionesi reviewed some concepts on a "project list" developed for DCVA/Hav-a-Rain Garden.

5. **Assessing Progress in Climate Action Plan Implementation.** Lecture and workshop series at CREC and the Library sponsored by EAC and Recreation beginning with Sept. 26 7-9PM Lecture by Kristen Findell in honor of Jan Marie Rushforth at CREC. V. Barsky and N. Smyth will coordinate the 10/14 vehicle workshop; J. Knox will coordinate the 10/23 Solar Home Workshop and P. Puglionesi will coordinate the 11/1 power switch workshop. Still seeking volunteers to switch at the 11/1 workshop. Update to the ICLEI 2005 inventory to check progress on implementing Haverford Township Climate Plan is underway. Township has contract to buy electricity through 2020 but there may be a possibility of purchasing renewable energy by negotiation under the current contract. The league of municipalities may be an option for procuring renewable energy for a competitive price. R. Graff will request release forms be signed by the School District to retrieve information from PECO. Will also gather data with regard to gas and oil. EAC is hoping to complete a preliminary presentation to the Board in October on progress in energy reduction as an agenda item and items that to implement in the coming years (e.g., procuring renewable energy, hybrids and/or electric vehicles, propane vs. diesel garbage trucks). Tabled possible additional resolutions – 1-CCL's support of a carbon fee; 2-Commitment to follow the Paris accord; 3-Increased PA renewable goals. More details needed on PECO Smart Energy Choices program – guarantees 7% below the price to compare (PTC) for PECO customers. Green Mountain told A. Dizel they will meet the price. PECO instruct customers to log on to "My PECO" and look for instructions or call PECO but this is difficult to find. The updated 1 page guide to buying renewable power for the new papowerswitch.com web site remains to be posted on the EAC web page.
6. **Haverford Township Day Green Zone (First Saturday in October, the 7th):** A. Dizel is coordinating with the first priority being to reach out to potential Green Zone participants.
7. **Planning for Earth Day Event (Sat. April 19 or 26, 2018).** Tabled until December 2017.
8. **Contributions to Township and Recreation Newsletters.** Next deadline for the Township Newsletter is due 10/17 (1/17, 4/17, 7/17, 10/17). HavaGood Times is ~9/17 (3/17, 6/17, 9/17, 12/17).
9. **EAC Summit (Wed., Oct. 18, 2017-6:30-9:00)** – EAC representatives from various townships will be invited to the CREC for information sharing regarding energy, recycling, etc. at the CREC. T. Watkins will prepare a brief invitation email and agenda and compile responses and topics.
10. **Preparation of the 2014/2015 EAC Annual Report:** V. Barsky is working on a 2 or 3 year report.
11. **New Logo:** D. Hartke will meet with co-worker to design to address prior comments (better emulate the current logo and other specific comments).
12. **Superfund Site:** No new updates.
13. **New Business:** No updates on REI interest in promoting the trails or 2017 Green Homes Tour.

EAC AGENDA

Haverford Twp EAC – Tuesday, October 3, 2017 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) – Rob Graff (6 - Holmes) – Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – Patty Loomer (9 - Wechsler) – EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Review web page update draft from D. Schwartz. EAC 1 page guide to buying green power – ready for posting. Composting in progress. Other possible 1-pagers.
3. **Climate Action Plan Implementation.** EAC work to date on Climate Action Plan progress status report and updated recommendations. Organizer updates on workshop series Conquering Your EV/Plug-In Fears – 10/14 (Barsky); Solar Home Conversion Experience –10/24 (Knox); Buying Cheap Renewable Power – 11/1 (Puglionesi). Report by anyone who tried the Peco Smart Energy Choice switch to green power with a 7% discount / 12 month contract (have to call Peco or sign in to your account). Potential resolutions (CCL “Carbon Fee” Resolution or joining Paris Accord or “Ready for 100” commitments) and additional BoC action that would be needed.
4. **Recycling:** Apartment recycling progress. Status of Township action on new resident recycling envelop package, proposed composting ordinance revision, postponed presentation requested by Commissioner Holmes on improvements to recycling and composting 1-pager (Borsky).
5. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Rain Garden Tour. Update on planning this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.
Business Sponsorship/Non-Profit Partnership. Volunteer needed for fundraising efforts.
NFWF and Other Grants. DCVA Darby Median Rain Gardens – Twp declines to pursue due to PennDOT difficulties with larger project. Alternative locations. Participation in new PRC / EDCSWC grant (supplying plants/materials beginning fall 2016).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
6. **EAC Summit (Wed., Oct. 18, 2017-6:30-9:00).** Status of attendees/topics (Watkins) for meeting of EACs from various townships for information sharing regarding energy, recycling, etc.
7. **Haverford Township Day (1st Saturday in October).** Attendees, staffing and final actions needed.
8. **Earth Day Event (Sat. April 22, 2017).** Tabled until December 2017.
9. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is due October 17, need a volunteer (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is due 12/17 (3/17, 6/17, 9/17, 12/17).
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Recent reports.
12. **New Logo:** Status of D. Hartke work on a more polished version of the EAC logo for review.
13. **New Business**

EAC AGENDA

Haverford Twp EAC – Tuesday, October 3, 2017 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) – Rob Graff (6 - Holmes) – Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – Patty Loomer (9 - Wechsler) – EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Review web page update draft from D. Schwartz. EAC 1 page guide to buying green power – ready for posting. Composting in progress. Other possible 1-pagers.
3. **Climate Action Plan Implementation.** EAC work to date on Climate Action Plan progress status report and updated recommendations. Organizer updates on workshop series Conquering Your EV/Plug-In Fears – 10/14 (Barsky); Solar Home Conversion Experience –10/24 (Knox); Buying Cheap Renewable Power – 11/1 (Puglionesi). Report by anyone who tried the Peco Smart Energy Choice switch to green power with a 7% discount / 12 month contract (have to call Peco or sign in to your account). Potential resolutions (CCL “Carbon Fee” Resolution or joining Paris Accord or “Ready for 100” commitments) and additional BoC action that would be needed.
4. **Recycling:** Apartment recycling progress. Status of Township action on new resident recycling envelop package, proposed composting ordinance revision, postponed presentation requested by Commissioner Holmes on improvements to recycling and composting 1-pager (Borsky).
5. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Rain Garden Tour. Update on planning this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.
Business Sponsorship/Non-Profit Partnership. Volunteer needed for fundraising efforts.
NFWF and Other Grants. DCVA Darby Median Rain Gardens – Twp declines to pursue due to PennDOT difficulties with larger project. Alternative locations. Participation in new PRC / EDCSWC grant (supplying plants/materials beginning fall 2016).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
6. **EAC Summit (Wed., Oct. 18, 2017-6:30-9:00).** Status of attendees/topics (Watkins) for meeting of EACs from various townships for information sharing regarding energy, recycling, etc.
7. **Haverford Township Day (1st Saturday in October).** Attendees, staffing and final actions needed.
8. **Earth Day Event (Sat. April 22, 2017).** Tabled until December 2017.
9. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is due October 17, need a volunteer (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is due 12/17 (3/17, 6/17, 9/17, 12/17).
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Recent reports.
12. **New Logo:** Status of D. Hartke work on a more polished version of the EAC logo for review.
13. **New Business**

EAC AGENDA

Haverford Twp EAC – Wednesday, November 8, 2017 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) – Rob Graff (6 - Holmes) – Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – Patty Loomer (9 - Wechsler) – EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

- a. **Approval of Prior Month Meeting Minutes** (by P. Puglionesi)
- b. **Volunteer to Prepare Tonight's Minutes**

2. **EAC Website:** Review web page update draft from D. Schwartz. Two EAC 1 page guides to buying green power – ready for posting. Composting in progress. Other possible 1-pagers.
3. **Climate Action Plan Implementation.** EAC Climate Action Plan progress status report last month and progress on obtaining school district data. Possible cable presentation of workshop series and plans to reprise for next year (possibly Earth Day). Potential resolutions (CCL “Carbon Fee” Resolution or joining Paris Accord or “Ready for 100” commitments) and additional BoC action that would be needed.
4. **Recycling:** Apartment recycling progress. Status of Township action on new resident recycling envelop package, proposed composting ordinance revision, postponed presentation requested by Commissioner Holmes on improvements to recycling and composting 1-pager (Borsky).
5. **Storm Water & Rain Garden Subcommittee Updates:** DL, PSP, HE, DH, DS, NS to report.
Rain Garden Tour. Update on planning this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.
Business Sponsorship/Non-Profit Partnership. Volunteer needed for fundraising efforts.
NFWF and Other Grants. DCVA Darby Median Rain Gardens – Twp declines to pursue due to PennDOT difficulties with larger project. Alternative locations. Participation in new PRC / EDCSWC grant (supplying plants/materials beginning fall 2016).
100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.
Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.
6. **EAC Summit (Wed., Oct. 18, 2017-6:30-9:00).** Recap and discuss possible annual summit.
7. **Haverford Township Day (1st Saturday in October).** Tabled until May 2018.
8. **Earth Day Event (Sat. April 22, 2017).** Tabled until December 2017.
9. **Contributions to Township and Recreation Newsletters.** Next deadline is for the Township Newsletter is due soon, need a volunteer (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is due 12/17 (3/17, 6/17, 9/17, 12/17).
10. **Preparation of the 2014/2015 EAC Annual Report:** Update on drafting sections.
11. **Superfund Site:** Recent reports.
12. **New Logo:** Status of D. Hartke work on a more polished version of the EAC logo for review.
13. **New Business**

Haverford Township Environmental Advisory Committee

Meeting Minutes – November 8, 2017, 7:30 pm

Attendees: EAC Members 2017-2018: – David Schwartz (2 - Oliva) – Katie Thompson (3 - McClusky) – Victor Barsky (5 - Lewis) --- Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – EAC Appointees - Dave Hartke, Visitors/Volunteers: Steve Clark, Melissa Romano.

2018 Schedule: 1st Tuesday of the Month at Quattrani except for 1/9, 7/10, 9/11/17 (1 week push back).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (Motion: V. Barsky, 2nd K. Thompson, Unanimous).
- b. **Volunteer to Prepare Tonight's Minutes** (S. Clark)

2. EAC Website:

No update. Update EAC "Who We Are" for 2017-2018 ready for posting. EAC to review D. Schwartz website update markup word file and send any comments/additional attachments to post within 2 weeks. The final will be submitted to Rick McClary and Allie Rothman (responsible for web site).

3. Recycling:

P. Puglionesi reported that L. Gentile relayed plans to have the Codes Department provide the recycling package for new residents proposed by EAC in July (EAC drafted cover letter, refrigerator poster, schedule and full brochure). L. Gentile also will confer with Commissioners Holmes about getting the composting ordinance presented to the BOC. D. Schwartz reported that the recycling survey is up and running. When it went over 100 responses the provider shut it down and requested a \$300 payment for an annual subscription, which was not anticipated. Since we were in the middle of the survey, D. Schwartz paid the fee. EAC agreed we will request reimbursement from the Township. H. Eichman suggested publicizing the survey in Rep. Vitali's constituent emailer. EAC agreed there should be a survey end date included in future PR and agreed upon the end of February. No update (from A. Dizel and J. Knox) on updating the 2013 "How to Recycle Everything Else". No update from V. Barsky on finalizing the recycling presentation for the Board (previously requested by Commissioner Holmes which remains on hold) or a composting poster. No update on Mr. Gove's efforts (including notifying DEP of recyclers who comeingle recycling with trash and claim they do downstream separation of trash and recycling).

4. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update:

Advice on Updates to Twp. Subdivision Design Standards: P. Puglionesi proposed exploring revising ordinances to regulate new piping of storm water to the street from existing buildings and better addressing driveway drainage to the street for new construction. Discussed getting an EAC representative on the Comprehensive Plan update Committee.

Tabled Topics: Rain Garden Tour; HTSD education and demonstration gardens; Intern; Paddock Park Rain Garden retention capacity improvement; Spring Road "Nature Center" Rain Garden; 100 Rain Gardens Initiative; NFWF Grants; Other Grants/Sponsorships; Median Rain Gardens (Twp Led); DEP MS4 Permit for TMDL Watersheds.

5. Assessing Progress in Climate Action Plan Implementation.

Key items in 10/10/17 presentation to BOC on status vs. 2008 Climate Action Plan and BOC proclamation commitment to reduce 2005 Greenhouse Emissions (GHG) levels by 30% by 2020:

- Energy consumption rose from 2005 to 2016 but GHG emissions declined due to the fact that the "grid mix" in this area now uses cleaner fuel (less coal and more natural gas).
- 6.1% GHG reduction from township-wide natural gas and electricity usage (DVPRC).
- 12% GHG reduction from Township municipal facilities and transportation, partly due to the significant streetlight energy reduction from LED conversions (currently in Wards 3 and 4).
- Reasonable rough projections are for a total of 22% GHG reduction from 2005 to 2020 possible from conversion of all streetlights to LED and more efficient buildings (rebuilt library and new police/municipal building).

Responding to questions from the BOC, EAC summarized options for additional improvements to assure meet the 30% target including Hybrid Police Responder (available 2018), electric vehicles (other departments and Police Motorcycle), and improved building energy management. The easiest option

Haverford Township Environmental Advisory Committee

Meeting Minutes – November 8, 2017, 7:30 pm

would be to procure 100% renewable energy. After the BOC presentation, a request was made to Commissioner Holmes to request revaluation of electricity contract with renewables in mind, to determine cost implications.

The BOC asked for simple handout on steps people can take to personally impact climate change for their newsletters. S Clark will work with H-CAN on draft. S Clark presented update on School District inventory vs 2005 baseline. About 70% of the utility bills have been collected, about 5 natural gas bills sets are outstanding.

The Climate Action Workshop series (EVs, Solar Home and Buying Renewable Power) was a success and EAC agreed that it should be reprised in 2018. The library also scheduled a home energy conservation workshop provided by an HVAC vendor and P. Puglionesi discussed adding that with a presenter without a vested interest (e.g., CAADC or PECO Smart Choices representatives).

- 6. Planning for Earth Day Event (Sat. April 19 or 26, 2018).** Tabled until December 2017.
- 7. Contributions to Township and Recreation Newsletters.** Next deadline for the Township Newsletter is due 10/17 (1/17, 4/17, 7/17, 10/17). HavaGood Times is ~9/17 (3/17, 6/17, 9/17, 12/17).
- 8. EAC Summit (Wed., Oct. 18, 2017-6:30-9:00)** – EAC representatives or volunteers from Lower Merion; Radnor; Newtown; Marple; Springfield; Upper Darby and Haverford townships attended this Oct 18th summit at the CREC and all agreed that this should be an annual event. P. Puglionesi to provide T. Watkins with a final attendance list and T. Watkins will provide a summary of the event.
- 9. Preparation of the 2014/2015 EAC Annual Report:** V. Barsky is working on a 2 or 3 year report.
- 10. New Logo:** D. Hartke will meet with co-worker to design to address prior comments (better emulate the current logo and other specific comments).
- 11. Superfund Site:** No new updates.
- 12. New Business:**
 - Proposed meeting schedule for 2018 was approved (1st Tuesday and pushed back to 2nd Tuesday for holidays (1/9, 7/10 and 9/11)).
 - V. Barsky proposed that the December 5th, 2017 EAC meeting be used to prioritize goals for 2018. S. Clark will invite HCAN environment to participate and encourage them to volunteer to assist in 2018.
 - D. Hartke proposed discussing another Green Homes tour in 2018.

EAC AGENDA

Haverford Twp EAC – Tuesday, December 5, 2017 at 7:30 pm, Quattrani

EAC Members 2017-2018: Terry Watkins - (1 - D'Emilio) - David Schwartz (2 - Oliva) Katie Thompson – (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) – Rob Graff (6 - Holmes) – Henry Eichman - (7 - McGarrity) – Peter Puglionesi (8 - Connell) – Patty Loomer (9 - Wechsler) – EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; Commissioner Larry Holmes; P. Hickman - Township Liaison; Lori Hanlon Widdop - Township Assistant Director & Former Liaison.

1. Meeting Minutes

a. **Approval of Prior Month Meeting Minutes** (by S. Clark)

b. **Volunteer to Prepare Tonight's Minutes**

2. 2018 EAC Priorities Work Session. V. Barsky will moderate a session to identify new issues not previously considered and prioritizing all EAC items to guide our environmental efforts for 2018.

3. Climate Action Plan Implementation. EAC Climate Action Plan progress status report: Comm Oliva questions/response and update on school district data component. Possible cable presentation of workshop series and plans to reprise for next year (possibly Earth Day). Potential resolutions (CCL "Carbon Fee" Resolution or joining Paris Accord or "Ready for 100" commitments) and additional BoC action needed.

4. Recycling: Recycling survey status. Status of proposed composting ordinance revision, postponed presentation requested by Commissioner Holmes on improvements to recycling and composting 1-pager (Borsky). Tabled - Township implementation of new resident recycling envelop package, Apartment recycling progress.

5. Storm Water & Rain Garden Subcommittee Updates: DL, PSP, HE, DH, DS, NS to report.
Rain Garden Tour. Update on planning this as a fund raiser for Hav-a-Rain Garden program and awareness builder for rain gardens and stormwater GSI.

Business Sponsorship/Non-Profit Partnership. Volunteer needed for fundraising efforts.

NFWF and Other Grants. DCVA Darby Median Rain Gardens – Twp declines to pursue due to PennDOT difficulties with larger project. Alternative locations. Participation in new PRC / EDCSWC grant (supplying plants/materials beginning fall 2016).

100 Rain Gardens Initiative. Status/activities, corporate sponsorship/offers to date, plans.

Advice on Updates to Twp. Subdivision Design Standards. Report on any progress.

6. EAC Summit (Wed., Oct. 17, 2018-6:30-9:00). Discuss tentative 2018 summit date.

7. Haverford Township Day (1st Saturday in October). Tabled until May 2018.

8. Earth Day Event (Sat. April 21, 2018). Begin planning for 2018 Earth Day.

9. Contributions to Township and Recreation Newsletters. Next deadline is for the Township Newsletter is due, need a volunteer (1/17, 4/17, 7/17, 10/17) and for Recreation Department's HavaGood Times is due 12/17 (3/17, 6/17, 9/17, 12/17).

10. EAC Website: Review web page update draft from D. Schwartz. Two EAC 1 page guides to buying green power – ready for posting. Composting in progress. Other possible 1-pagers.

11. Preparation of the 2014/2015 EAC Annual Report: Update on drafting sections.

12. Superfund Site: Recent reports.

13. New Logo: Status of D. Hartke work on a more polished version of the EAC logo for review.

14. New Business

Haverford Township Environmental Advisory Committee

Meeting Minutes – December 5, 2017, 7:30 pm

Attendees: EAC Members 2017-2018: Terry Watkins (1 - D'Emilio) - David Schwartz (2 - Oliva) - Katie Thompson (3 - McClusky) – Aurora Dizel (4 - Siegel) – Victor Barsky (5 - Lewis) –Henry Eichman (7 - McGarrity) – Peter Puglionesi (8 - Connell) –EAC Appointees - Dave Hartke, James Knox, Andrew Seaman; P. Hickman - Township Liaison; Visitors/Volunteers: Steve Clark, Meg Clark, Jean Lutes, Melissa Romano, Pat Finley.

2018 Schedule: 1st Tuesday of the Month at Quattrani except for 1/9, 7/10, 9/11/18 (1 week push back).

1. Meeting Minutes

- a. **Prior Meeting Minutes Approval** (by S. Clark): Motion: D. Schwartz, 2nd D. Hartke, unanimous.
- b. **Volunteer to Prepare Tonight's Minutes:** S. Clark.

2. 2018 EAC Priorities Work Session.

V. Barsky moderated a brief session to identify new issues not previously considered, to remove obsolete items from the agenda and prioritizing all EAC items to guide our environmental efforts for 2018. New items to add and items to prioritize:

- a. **Climate Action Plan Update/Implementation** – make it a continued priority; reprise Climate Action Workshop series (possibly collaborating with Radnor to record them for rebroadcast on cable); integrate into Earth Day and possibly movie screenings like Chasing Coral.
- b. **Promoting composting** – propose Township sale of discounted composting bins and conduct a composting workshop.
- c. **Keep Website Up to Date** – implement current update and more frequent updates.

3. Climate Action Plan Implementation.

Working on the CAP Status update including school district data component update. M. Clark prepared '1 pager' for commissioners to distribute and possibly for EAC to contribute to the Township newsletters to inform residents on how to intelligently choose 100% renewable electricity supplier. P. Puglionesi to distribute for review and to finalize. Responded to questions from Commissioner Oliva on CREC efficiency and vehicles. Need to further evaluate efficiency on the CREC, S Clark to contact Tim Denny and P. Puglionesi reached out to Victor Donnay about possible Bryn Mawr student involvement. EAC agreed to reprise the workshop series for next year (possibly on Earth Day) and explore working with Radnor to get it recorded with sufficient quality to run them on the cable stations. P. Puglionesi reported on hybrid garbage truck research and meetings with current hybrid truck users will be explored (USPS and DSNY). These have better fuel economy as well longer periods between brake repairs (lower maintenance costs). Potential resolutions (CCL "Carbon Fee" Resolution or joining Paris Accord or "Ready for 100" commitments) remain on the table but would require BoC support and additional BoC action. Pat Finley presented on a planned December 9 training session in West Chester on emergency planning and resiliency for disasters (<https://www.facebook.com/events/1718417311502338/>).

4. Recycling and Composting:

D. Schwartz reported there were 1,288 Recycling survey responses so far. Township agreed to pay for unanticipated \$300 payment for annual survey web site subscription, which was not anticipated but triggered once responses reached 100. D. Schwartz provided press release on the survey to Rep. Vitali for his constituent emailer. The EAC agreed the survey should be closed out in February (will communicate it is closing on Feb.

Haverford Township Environmental Advisory Committee

Meeting Minutes – December 5, 2017, 7:30 pm

15). EAC will need to remind the Township to keep its commitment to have the Codes Department provide the recycling package (EAC drafted cover letter, refrigerator poster, schedule and full brochure) for new residents after the building move is complete. No update from Commissioners Holmes on proposed revised composting ordinance. No update from A. Dizel and J. Knox on updating the 2013 “How to Recycle Everything Else”. No update from V. Barsky on finalizing the recycling presentation for the Board (previously requested by Commissioner Holmes which remains on hold) or a composting poster. No update on Mr. Gove’s efforts (including notifying DEP of recyclers who comeingle recycling with trash and claim they do downstream separation of trash and recycling).

5. Storm Water & Rain Garden Subcommittee (DL, PSP, HE, DH, DS, NS) Update.

P. Puglionesi requested assistance writing a proposal to HTCC for Stormwater Planters due December 15th and H. Eichman volunteered to assist.

Tabled Topics: Revising ordinances to regulate new piping of storm water to the street from existing buildings and better addressing driveway drainage to the street for new construction; EAC representative on the Comprehensive Plan update Committee; Rain Garden Tour; HTSD education and demonstration gardens; Intern; Paddock Park Rain Garden retention capacity improvement; Spring Road “Nature Center” Rain Garden; 100 Rain Gardens Initiative; NFWF Grants; Other Grants/Sponsorships; Median Rain Gardens (Twp Led); DEP MS4 Permit for TMDL Watersheds.

6. EAC Summit (Wed., Oct. 17, 2018-6:30-9:00). P. Puglionesi to provide T. Watkins with a final attendance list and T. Watkins will provide a summary of the event. EAC to review minutes and comment. Next summit will be Oct. 17, 2018.

7. Haverford Township Day (1st Saturday in October). Tabled until May 2018.

8. Earth Day Event (Sat. April 21, 2018). Began planning for 2018 Earth Day. A Dizel has interest from prior attendees and is looking for ideas. Discussed expansion of the CREC rain garden, but will require township public works to regrade sections before beginning. Locating it at the new Municipal building will be considered for 2019.

9. Contributions to Township and Recreation Newsletters. Next deadline is for the Township Newsletter is due, A. Dizel volunteered (1/18, 4/18, 7/18, 10/18) and for Recreation Department’s HavaGood Times is due 12/18 (3/18, 6/18, 9/18, 12/18).

10. EAC Website: Review web page update draft from D. Schwartz. Two EAC 1 page guides to buying green power – ready for posting. Composting 1 pager in progress.

11. Preparation of the 2017 EAC Annual Report: Dave Schwartz to prepare briefer annual report. BOC will not present on annual report in favor of topical presentations as needed.

12. Superfund Site: Recent reports. Not discussed.

13. New Logo: Status of D. Hartke work on a more polished version of the EAC logo for review in January.

14. New Business

15. Next Meeting Jan 9th, 2018