

**Shade Tree Commission of Radnor Township
Wayne, Pennsylvania
AGENDA**

*Tuesday March 16, 2021
6:30PM*



There will be a Shade Tree Commissioners AD HOC meeting held on Tuesday March 16, 2021 beginning at 6:30 PM via Zoom and streamed live on the Radnor Township YouTube Channel at <https://www.youtube.com/channel/UCvh6jeMQTvo3ojCTh8wZkbA>. If you would like to in public comment, please register at https://us02web.zoom.us/webinar/register/WN_VqVNEDxbSN-zJezyZ9OF7g and the meeting link will be sent to you for participation.

- 1. Call to Order**
- 2. Pledge of Allegiance**
- 3. 2021 Goals**
- 4. 2021 Vision, Mission, Goals - Frank & Eileen**
 - a. 2 Attachments from Frank Perras (this one), plus one other that he will provide that has our draft Vision, Mission and Goals.
- 5. Proposal to Review Residential Drawings Off-Line - Eileen**
- 6. 2021 Tree Plantings - Eileen**
 - a. Spring/Fall Tree Planting
 - b. PHS Tree Grants
- 7. Communication - Seth & Ginny**
 - a. Proposed Flyer
- 8. Township Project Updates - Steve**
 - a. 476 Gateway Project
 - b. South Wayne Parking Lot
 - c. Any other projects

Mission	
Why do we exist?	We exist to protect and preserve Radnor’s tree canopy
Vision	
Where do we see ourselves in 5 years?	Our vision is to have maintained (or grow) Radnor’s tree canopy at its current coverage by adding additional trees, maintaining existing trees and removing hazardous and dead trees.
Strategy	
How are we going to do this?	<ul style="list-style-type: none"> • Measure Radnor’s existing tree canopy and use as a baseline for measuring progress. • Inventory existing canopy along ROWs, parks and trails to identify “bare spots”. • Maintain existing township ordinances.

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	<ul style="list-style-type: none"> • Help residents, business community, contractors, developers and the township leadership through responsiveness to issues and by communicating rules, best practices (suggested trees to plant, invasive trees to avoid) and issues (Spotted Lantern Fly, Emerald Ash Borer) • Add trees via Spring and Fall plantings • Review developer/resident plans involving tree removal, dirt removal and tree protection. • Secure financial/human resources to achieve goals from the township and from grants/donations
Metrics	
How do we know we are succeeding?	<ul style="list-style-type: none"> • Measure existing tree canopy. • Add xx trees each year. • Manage development through replacement formula • Remove hazardous trees each month • Maintain existing trees through best practices
2021 Goals	
What do we need to accomplish in the near term?	<ul style="list-style-type: none"> • Implement Master Street Tree Charter • Update ordinances • Manage shade tree fund • Partner (communicate) with key stakeholders • Be green and efficient in our actions (walk the talk) • Maintain our tree canopy

9. Public Participation

10. Adjournment



What do you think about during a year long pandemic?

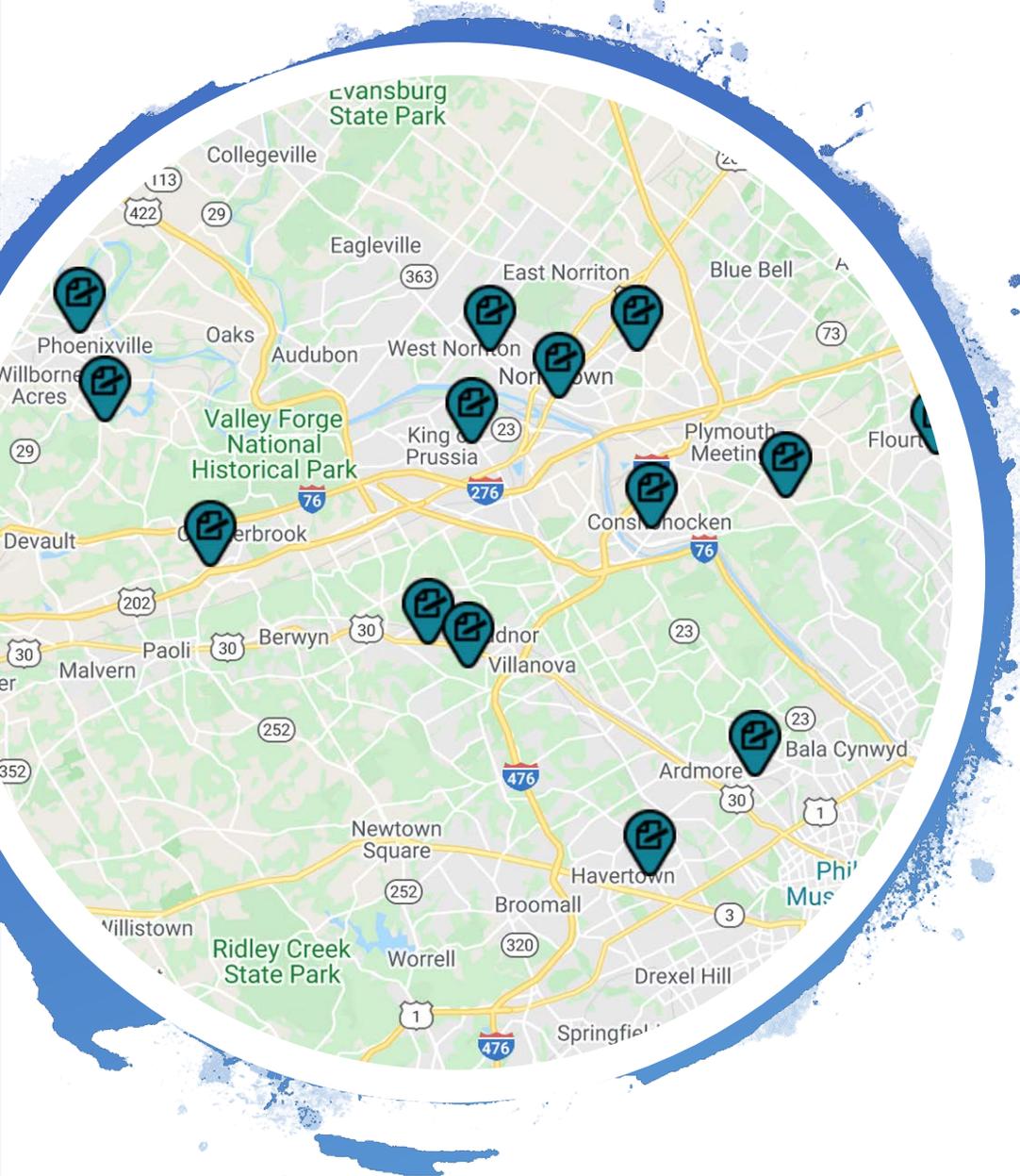
3/9/2021

With lots of input from Shade Tree Commission colleagues
and John Hosbach, Arborist

Think about
some things
happening
around us.

- **Climate Change:** Climate change refers to a broad range of global phenomena created predominantly by burning fossil fuels, which add heat-trapping gases to Earth's atmosphere. These phenomena include the increased temperature trends described by global warming, but also encompass changes such as sea level rise; shifts in flower/plant blooming; and, extreme weather events.
- **Global Warming:** Global warming refers to the upward temperature trend across the entire Earth since the early 20th century, and most notably since the late 1970s, due to the increase in fossil fuel emissions since the industrial revolution. Worldwide since 1880, the average surface temperature has gone up by about 0.8 °C (1.4 °F), relative to the mid-20th-century baseline (of 1951-1980).
- **Greenhouse Gas:** Any gas that absorbs infrared radiation (heat) in the atmosphere. Greenhouse gases include carbon dioxide, methane, and nitrous oxide

Think about our commitment to Ready for 100



- Commitment by cities, counties and states to power their communities with 100% clean, renewable energy.
- Commitments are formalized in resolutions, climate action plans, renewable portfolio standards, and other policies.
- Brainchild of the Sierra Club.
- Radnor is one of them.



Think about others who made the commitment



COMMITTED SCHOOL DISTRICT

Radnor School District passes resolution for 100% clean energy by 2030

PA

Radnor students defied many COVID-19 challenges, including school closures, and successfully mobilized their local community to influence their school district to commit to 100% clean energy by 2030 - the first district in Pennsylvania to do so.

[Learn More](#)

COMMITTED CITY

Radnor Township is committed to 100%

Radnor, PA

Radnor Township, PA is committed to 100% clean, renewable electricity community-wide by 2035 and for heating and transportation by 2050.

Sara Piling, SFPillbox@gmail.com

[Learn More](#)

COMMITTED CITY

Upper Merion Township is committed to 100%

Upper Merion Township, PA

Upper Merion Township, PA is committed to 100% clean, renewable electricity community-wide by 2030 and for heating and transportation by 2040.

Bill Sabey, billzmail-eab@yahoo.com

[Learn More](#)

COMMITTED CITY

Tredyffrin Township is committed to 100%

Tredyffrin Township, PA

Tredyffrin Township, PA is committed to 100% clean, renewable electricity community-wide by 2035 and for heating and transportation by 2050.

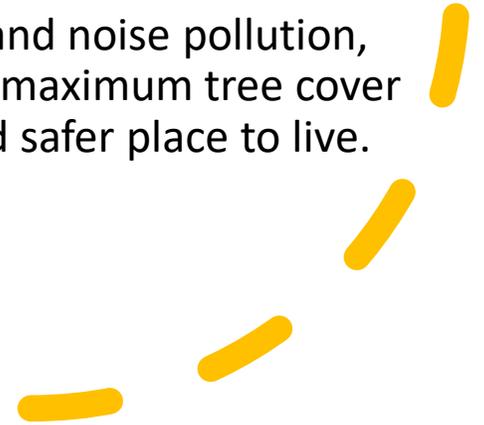
Paula Kline, kline.paula@gmail.com

[Learn More](#)

Think about our township and our tree canopy



- **Radnor Township** encompasses 8832 acres.
- Approximately 4593 acres or 52% are covered by a tree canopy.
- **Threats:** The tree canopy is threatened by bugs, disease, age, development, traffic, etc.
- **The Shade Tree Commission:**
 - Created in 2013
 - The intent was to encourage proper selection, planting, replanting and care and establish protective regulations for trees in Radnor Township in order to control problems of air and noise pollution, soil erosion, aesthetic depreciation, maintain maximum tree cover and to make Radnor Township a healthier and safer place to live.



Wonder
what is a
tree canopy
and why
should we
care



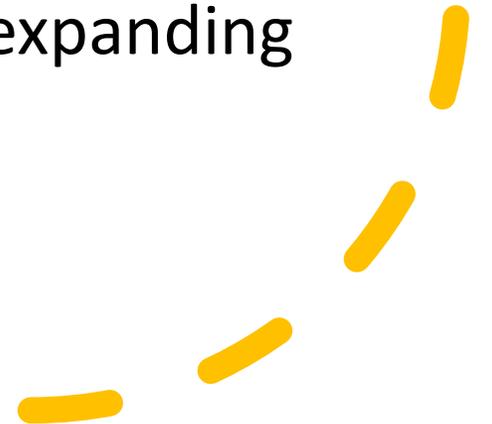
- Tree canopy is the layer of leaves, branches, and stems of trees that cover the ground when viewed from above.
- Tree canopy provides many benefits to society, including moderating climate, reducing building energy use and atmospheric carbon dioxide, improving air and water quality, mitigating rainfall runoff and flooding, enhancing human health and social well-being and lowering noise impacts.



Think about
how Ready
for 100
relates to
Radnor's
Tree Canopy



- By maintaining and expanding our tree canopy we are supporting the goals of Ready for 100.
- The Radnor Shade Tree Commission (STC) is responsible for the protection and preservation of the Township's tree canopy.
- We may be also responsible for expanding the canopy.



Think about what sort of benefit do residents receive from the existing canopy



- Annually removes pollutants:
 - 2.1 tons of carbon dioxide
 - 11.4 tons of nitrogen oxide
 - 113 tons of ozone
 - 7 tons of sulfur dioxide
 - 5.5 tons of particulate matter <2.5 microns
 - 38 tons of particulate matter >2.5 and < 10 microns
- Avoided water run-off of 2400 gallons



Think about
how much
coverage do
we have and
its threats



- Radnor Township is comprised of 13.8 square miles of land.
 - 52% +/-1.58 SE is covered by trees or ~7 square miles
 - 22% +/- 1.32 SE is grass/herbaceous or ~3 square miles
 - Potential area for increasing the canopy
- Tree Canopy has threats:
 - Development, e.g., both residential and commercial development
 - Disease, e.g., Emerald Ash Borer, Spotted Lantern Fly
 - Age, e.g., 20 to 150 years



Think about
what is being
done in the
township



- Radnor ordinances have a replacement formula to offset loss of trees due to development.
- Radnor budgets for new trees to be planted in the township's right of way, parks and trails.
- Radnor pursues grants and donations for additional trees to be planted in parks, along trails and along the township's right of way





And finally
think about
what else
can be done

- Revisit why we exist, i.e., mission, vision thing
- Agree on talking points in order to expand awareness and importance of trees
- Create an aspirational goal of 1000 trees planted over the next four years through township funding, donations and grants
- Craft a solution to maintaining existing trees in township right of ways, parks, and trails

