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Subject: [EXTERNAL] Agenda Comments
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Form Name: Comment on Agenda Items
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Survey Details: Answers Only

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1. (o) Ms.
2. Vivian Korneliussen
3. Shoreline
4. (o) North City
5. qagrizzly72@yahoo.com
6. 11/14/2022
7. Comprehensive Land Use, plus as a K4C city Climate and sustainability challenges
8. I "support" saving Shoreline's significant trees!
Shoreline is suppose to a K4C environmental city, yet Shoreline's Comprehensive Land Use and Climate and sustainability challenges, seem to oppose what all scientists state is needed to combat climate change, and Shoreline is creating neighborhoods with equity discrimination, from not being protected from heat islands by allowing developers to exploit by clear cutting all significant trees that would keep streets, sidewalks, & housing fronts cool, with the added beauty of trees.

Kids who grow up in green spaces with trees, have lower risk of psychiatric disorders from adolescence into adulthood
<https://www.pnas.org/doi/10.1073/pnas.1807504116?fbclid=IwAR3YcPQ2YJJMYL4BPDLSaSMJejoHltqCwEc51z-lnl0N-trGsV4gCSg1To>

People who are sick and have trees outside their windows heal faster.
<https://pubmed.ncbi.nlm.nih.gov/6143402/>

22 Benefits of Trees

<https://www.treepeople.org/22-benefits-of-trees/?fbclid=IwAR3EiAhxviqz5YEOdoqFURoogun9tkYoX7Zp1DZ4Nibrp2xqzqhqkPlaBfE>

Plus trees clean water as they absorb water through the leaves – sending it off into the air as oxygen and water vapor – and also pushing the water down through its roots, filtering out harmful substances as it flows into our groundwater.

One of the biggest Climate & Sustainability Challenges for Shoreline is the exploitation that is being allowed by developers, as they proceed to clear cut, lot after lot of Shoreline trees, in the cause of building housing, seems near like a confidence game. Our communities are being conned out of their trees that protect us from Climate Change.

How much is each developer paying, to have the ability to clear cut our community?

Cons Of Clear-Cutting

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- Destroys ecosystems, depriving wildlife of natural habitats and decreasing biodiversity. Still, fauna can return to the area when & if area is renewed.
- Increases the risks of soil erosion. Trees slow down water currents, preventing rill formation, this is why clear-cutting increases erosion.
- Leads to sedimentation and nutrient leakage to water bodies.
- Interferes with the water cycle as trees consume and release moisture in the process of evapotranspiration.
- Raises water temperature in the riparian zones due to a lack of shade, which adversely affects the aquatic animals.
- Worsens the air quality. Trees enrich the atmosphere with oxygen and take carbon dioxide. Clear-cutting reduces this forest property.
- Removes carbon sinks. Trees and forest soils accumulate carbon. When those trees are cut, “carbon is released, adding to global warming and climate change.”
- Spoils the scenery. Bare patches in forest landscapes look empty and are in no way appealing to the eye.
- Provokes slides. Tree roots hold the soil in place. After clear-cutting, the earth becomes loose, which often leads to sliding.
- May cause deforestation. Permanent forest cuts without regeneration may result in forest losses, land devastation, and desertification.

Why is the Shoreline City Council allowing clear cutting of trees, which releases CO₂ into the atmosphere & adds to Global Warming and Climate Change? Our Shoreline communities deserve better, as the council makes claims of working toward being a K4C city?

Our predecessor's who built homes, duplexes, and triplexes were able to leave our community with a wealth of trees.

TREES COMBAT CLIMATE CHANGE

Excess carbon dioxide (CO₂) is building up in our atmosphere, contributing to climate change. Trees absorb CO₂, removing and storing the carbon while releasing oxygen back into the air. In one year, an acre of mature trees absorbs the same amount of CO₂ produced when you drive your car 26,000 miles.

Trees are critical to dealing with urban heat island impacts and stormwater runoff as the climate crisis continues.

Trees also clean water as they absorb water through the leaves – sending it off into the air as oxygen and water vapor – and also pushing the water down through its roots, filtering out harmful substances as it flows into our groundwater.

In urban and suburban settings a single deciduous tree can intercept from 500 to 760 gallons per year; and a mature evergreen can intercept more than 4,000 gallons per year, while filtering contaminants (such as metals, pesticides, solvents, oils and hydrocarbons) from soil and water, ensuring healthy watersheds.

Why then as we proceed into an era of Climate Change, and nations are told the importance of saving significant trees, would the Shoreline City Council allow them to all be clear cut?

Shoreline’s “CLIMATE IMPACTS & RESILIENCY STUDY,” on page 9, Resiliency Strategies, states Shoreline is to revise our “tree list” and “green stormwater infrastructure planting requirements” to be more resilient.

Modify urban design standards to ensure development increases city-wide climate resilience.

Where are we revising to save and/or build “Green Stormwater Infrastructure,” that includes the restoration of riparian buffers, greenways, and wildlife corridors?

Green Stormwater Infrastructure means we are to be retaining or implementing the planting of “tall significant native trees” into neighborhood parks and along our roads to prevent flooding-filter our Stormwater-filtering pollutants from our air-& prevent heat island effect, plus mandating rain gardens and native landscaping.

The City Council on August 15, 2022, passed Resolution 494. Under Section 2, City Department Directive, Identified Strategy 3 on page 3, states:

3. Ecosystems: protecting and restoring the health and functioning of local ecosystems by incorporating green infrastructure in community design, protecting all natural assets, including established trees, wetlands, waterways, soils, and other ecosystem elements, and actively restoring damaged ecosystems to maximize biodiversity, stormwater management, and carbon sequestration;

The Shoreline City Council is flagrantly ignoring the Climate Change Study and Resolution 494, implemented by the Shoreline City Council.

Shoreline City Council needs to be saving Shoreline’s tall significant trees! I demand better of my city leaders, who are suppose to represent the people, and protect our communities from Climate change.

Vivian Korneliussen
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9. (o) Support

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