

Oklahoma Source Water Protection Program

Green Infrastructure Overview



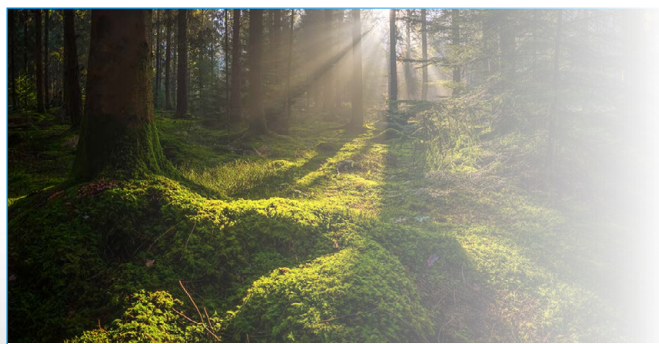
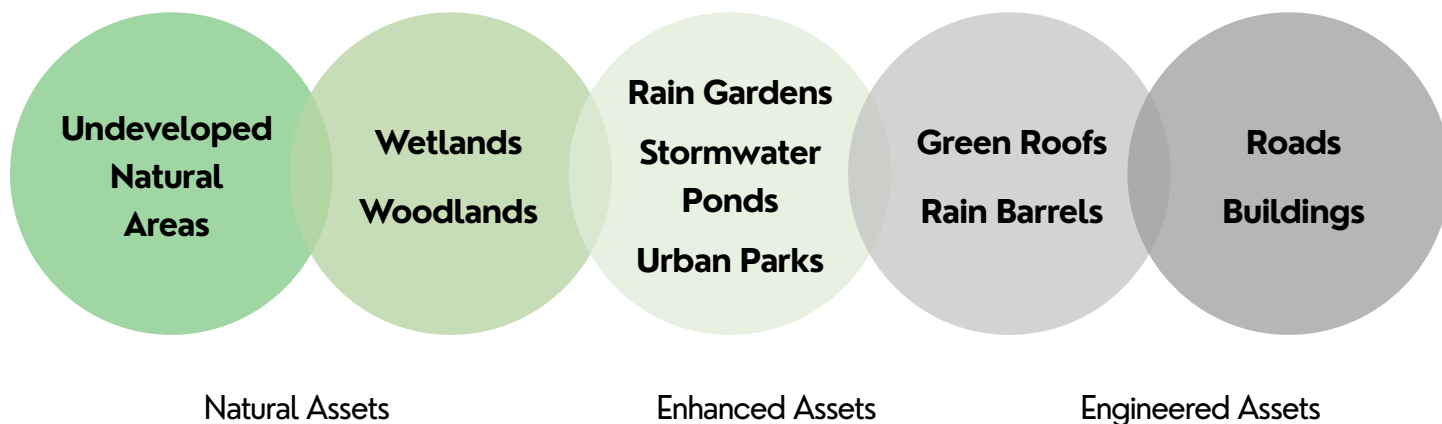
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What Is the Difference Between Gray and Green Infrastructure?

Gray infrastructure includes traditional engineered constructed assets such as roads, bridges, tunnels, buildings, sewer systems, and water treatment plants.

Green infrastructure may serve the same function as gray infrastructure, but it is built or implemented to mimic or utilize natural features so the benefits of natural processes may be harnessed. Green infrastructure consists of three major types of assets: natural, enhanced, and engineered.

Green Infrastructure



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Benefits of Green Infrastructure

Green infrastructure captures, absorbs, and reduces runoff; filters stormwater; and delivers other environmental, social, and economic benefits. Investing in green infrastructure restores wildlife habitat and enhances natural systems while improving the health of residents through greater access to green space. It may improve community resiliency and provide economic stability by creating local jobs, reducing infrastructure costs, and decreasing property damage from flooding. Implementing green infrastructure in your Source Water Protection Area (SWPA) may be an effective way to protect from and mitigate any potential contaminants that may reach your drinking water sources.

Environmental Benefits

- Improves climate resiliency
- Improves water quality
- Reduces localized flooding
- Captures water for reuse Improves air quality
- Reduces heat island effect
- Improves habitat connectivity

Economic Benefits

- Reduce wastewater infrastructure costs
- May reduce water treatment costs
- Improves neighborhood values
- Job Creation
- Reduce flood damage cost

Social Benefits

- Improved health and well-being
- Greater sense of community
- Opportunity to engage with the public



Contact DEQ:

Reach out to the Capacity Development Section via email or phone and request to participate in the **FREE** program.

Email: DEQ.CapDev@deq.ok.gov

Phone: (405) 702-8141

You can also visit the DEQ website for more info, helpful resources, and to sign up for the program. <https://tinyurl.com/44hsyfut>



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