



DECENTRALIZED WASTEWATER TREATMENT CAN BE COST EFFECTIVE AND ECONOMICAL



HOW CAN DECENTRALIZED WASTEWATER TREATMENT BE COST-EFFECTIVE AND ECONOMICAL?

AVOIDING LARGE CAPITAL COSTS

- Decentralized systems typically involve a small initial investment for a community relative to larger systems.
- Generally, total per connection cost of a decentralized system will be lower than the equivalent conventional sewer serving the same area.
- Decentralized systems can be built “just-in-time” to meet local demands and take advantage of the latest cost-saving technology.
- Can help communities delay or avoid costly infrastructure capacity upgrades to larger facilities.
- The costs of transporting water over longer distances to reach existing public wastewater treatment facilities can also be avoided.

REDUCING OPERATION AND MAINTENANCE COSTS

- Typically use small and relatively simple equipment that can be easy and affordable to operate, maintain, and replace.
- Additionally, because these types of systems treat wastewater close to the source of generation and often use some passive treatment, such as soil dispersal, these systems may offer substantial savings in energy costs.
- Finally, because systems frequently serve a fairly small number of users, disruptions and costs associated with malfunctions are also relatively small.

PROMOTING BUSINESS AND JOB OPPORTUNITIES

- Can generate local economic opportunity for service providers such as inspectors, installers, designers and pumpers.
- Jobs can be generated for service providers such as installers and pumpers as well as manufacturers—through increased demand.

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