

Information Item: Wastewater Reuse Task Force

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Environment Committee: January 10, 2017

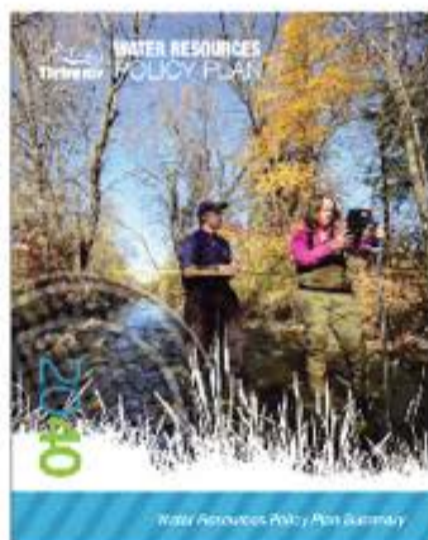


Background



Thrive MSP 2040 Plan

Pursue wastewater reuse where economically feasible as a means to promote sustainable water resources.



2040 Water Resources Policy Plan



Work with our partners



Promote a more sustainable region



Maximize regional benefits from regional investments



Provide efficient, high-quality, sustainable wastewater services

SKB/Enerkem's Proposed Facility in Rosemount – Quick Facts

\$200 million

investment (no subsidies)

200,000 square feet

of building space

400,000 tons per year

of municipal solid waste

20 million gallons per year

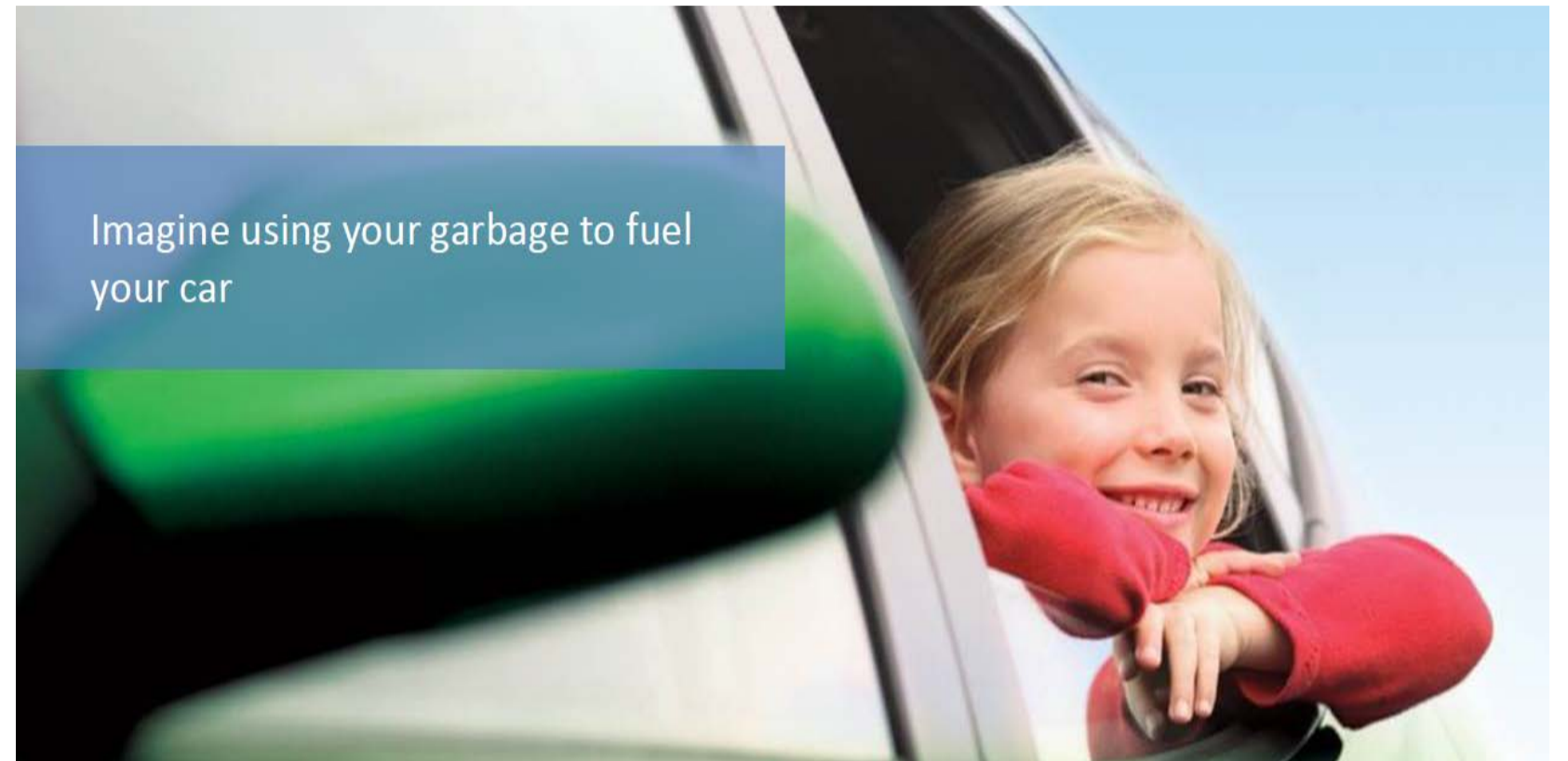
of clean, cellulosic ethanol

104

direct green jobs created

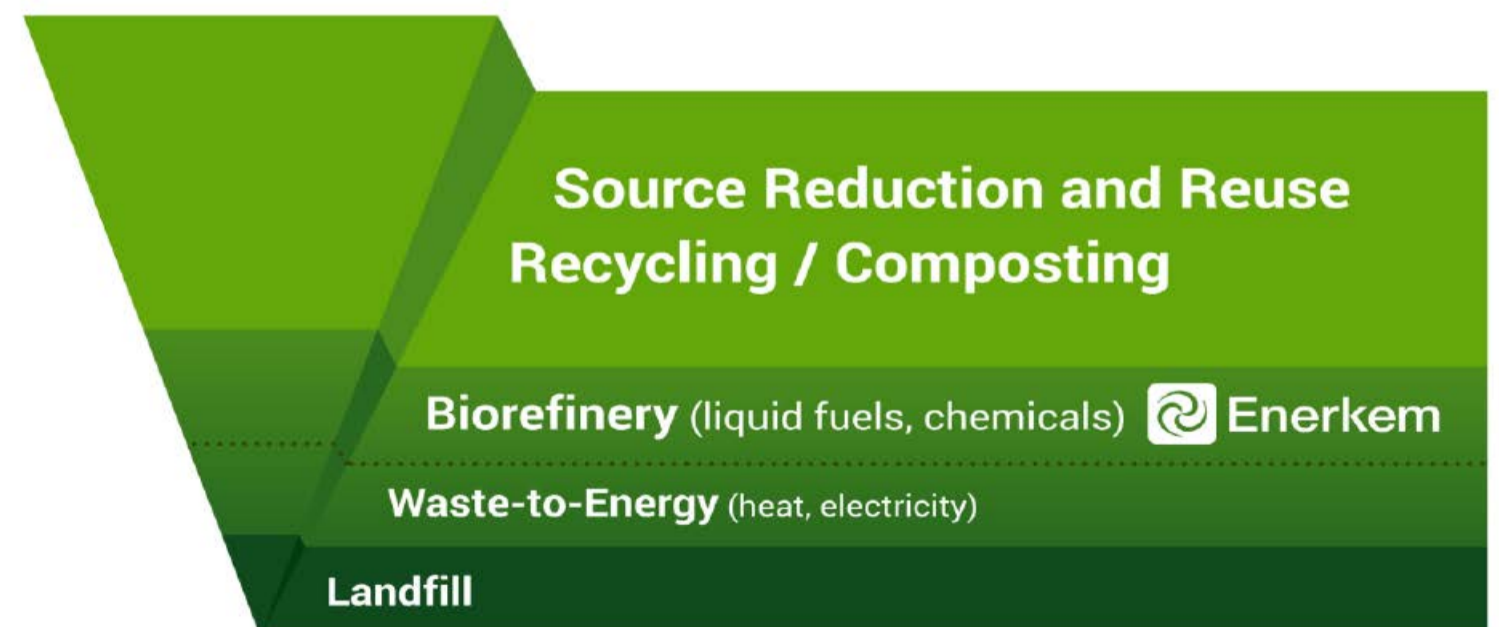
2 million gallons per day

of water needed



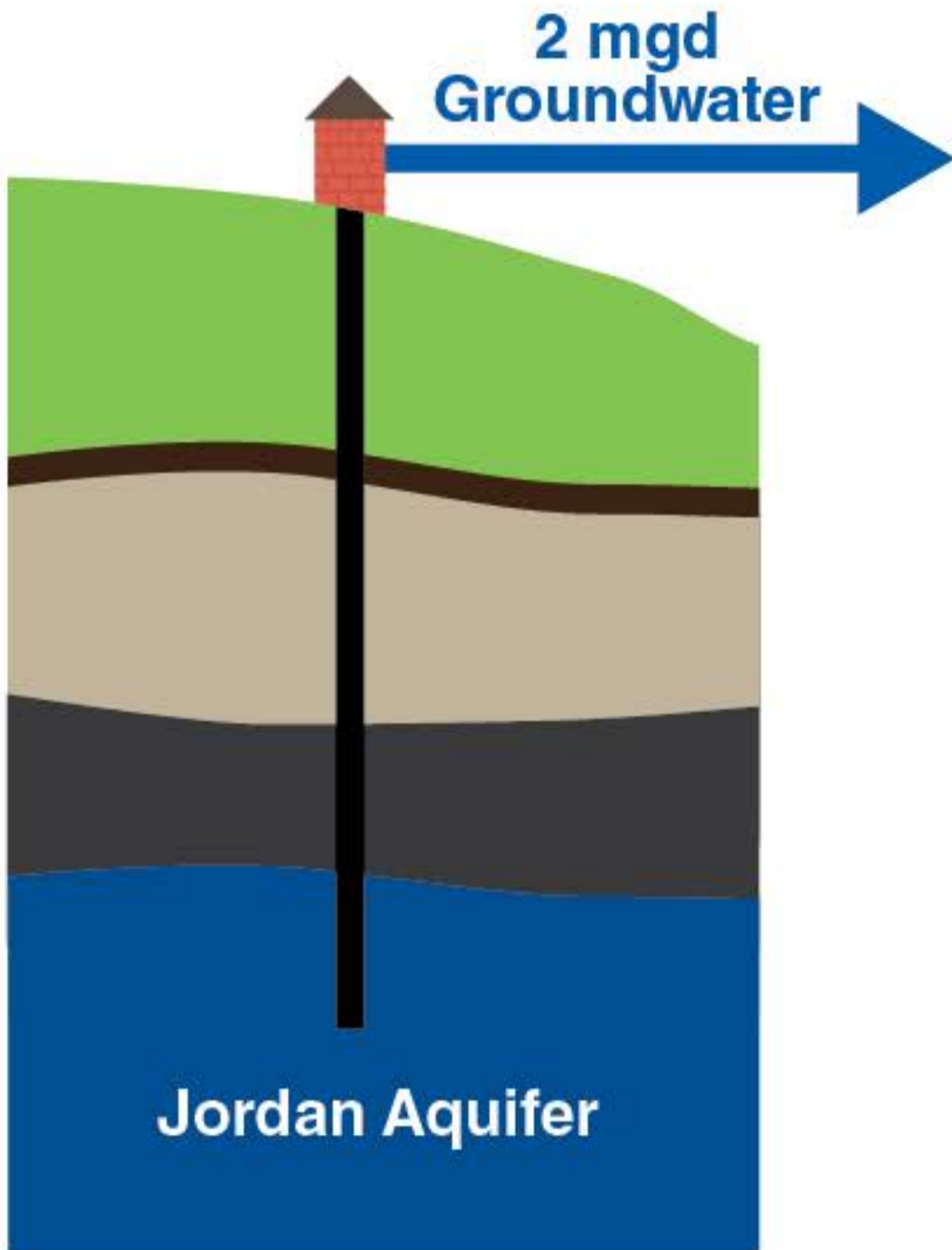
Sustainable alternative to landfilling

Helping increase waste diversion to 90%



Water Source Options for SKB/Enerkem's 2 Million Gallon Per Day Need

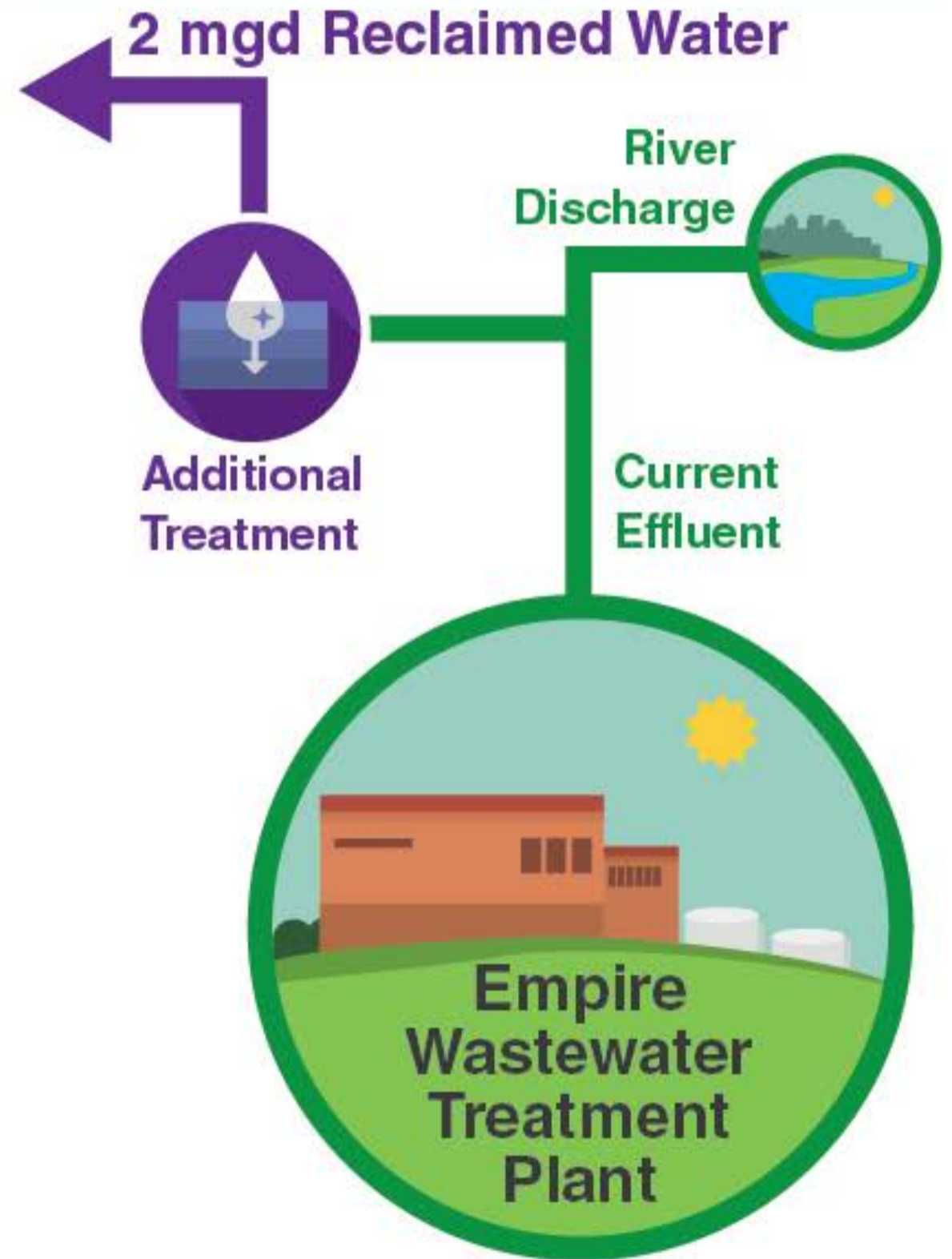
Groundwater Appropriation



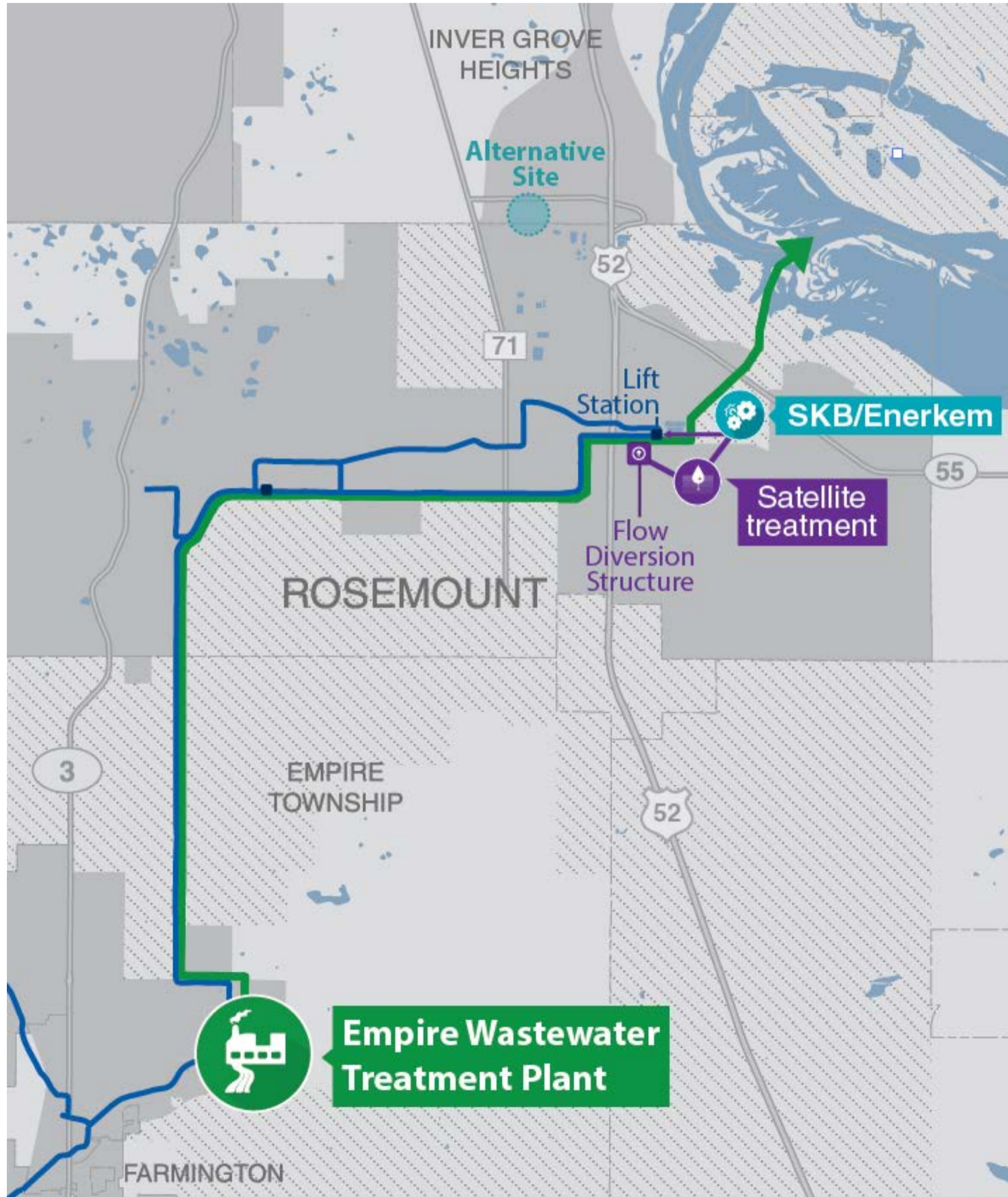
OR



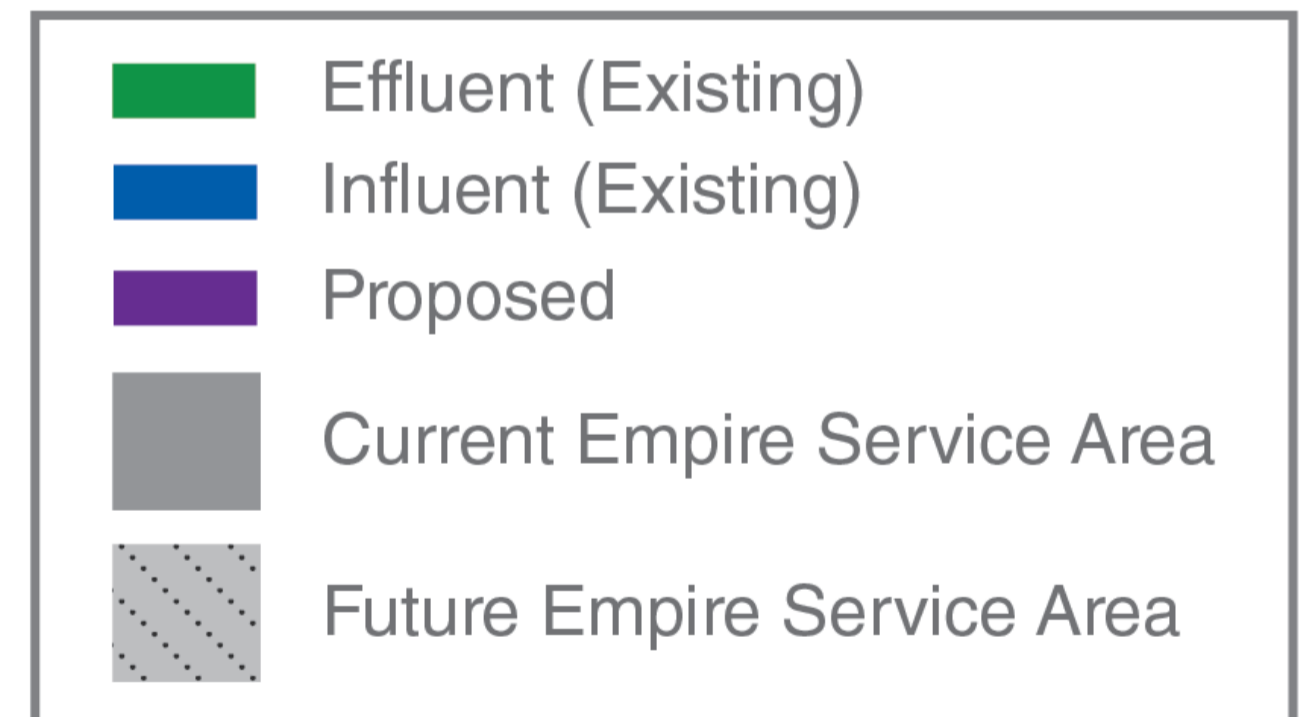
Reclaimed Water from MCES



SKB/Enerkem Water Source: 2 Million Gallons Per Day of Reclaimed Water from MCES



Reclaimed water:
Effluent that has received additional treatment to make it suitable for specific reuse applications or beneficial use.



Project and Policy Issues for Reclaimed Water Service



REGIONAL BENEFIT

- How does MCES determine the potential regional benefit?
- Value of not using groundwater?
- Potential future reclaimed water users?



FINANCIAL

- Funding sources?
- Who pays for the infrastructure?
- How does MCES recover capital and operating costs?



PARTNERING

Should MCES partner with local or regional water suppliers to provide reclaimed water service?

Process & Next Steps



MCES staff will work with customers, regulators, academics, other stakeholders, and consultants to develop policy recommendations to bring to Environment Committee.

- Task Force Approval
- MAWSAC and MAWSAC TAC Input
- Regulatory Agency Collaboration
- Community Collaboration
- Environment Committee Update 2nd Quarter 2017

Thrive Lens Analysis



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Questions