



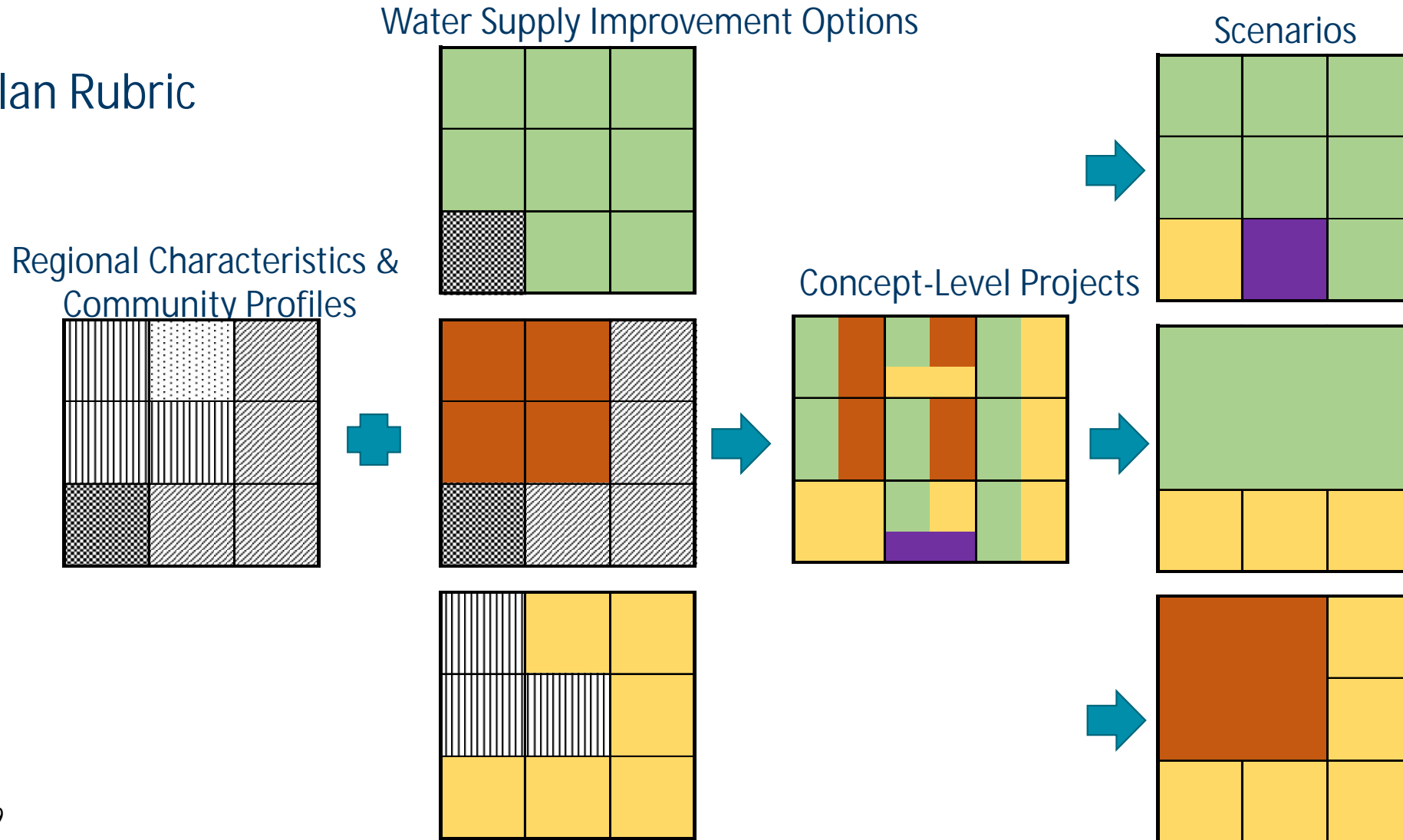
Centralized/Decentralized Treatment Approaches

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- ✓ Definitions
 - A. SG-1 Plan Rubric
 - B. Options, alternatives, scenarios
- ✓ Centralized/Decentralized Treatment Approaches
 - A. Point of Use / Point of Entry
 - B. Single Private Well-head System
 - C. Clustered Private Well-head System
 - D. Shared Groundwater Treatment
 - E. Centralized Groundwater Treatment
 - F. Regional Groundwater Treatment
 - G. Regional Surface Water Supply

B. SG-1 Plan Rubric



B. Definitions – for the purposes of this project

- **Technical Options** – different technologies for treating the water
- **Water Supply Improvement Options** – different means of improving affected area water supply in general
- **Treatment Approach Alternatives** – different means to provide unaffected or treated water to a particular water consumer or area (centralized or decentralized)
- **Water Supply Improvement Alternative Scenarios** – matrix of water supply improvement options for all LGUs

✓ Centralized/Decentralized Treatment Approaches

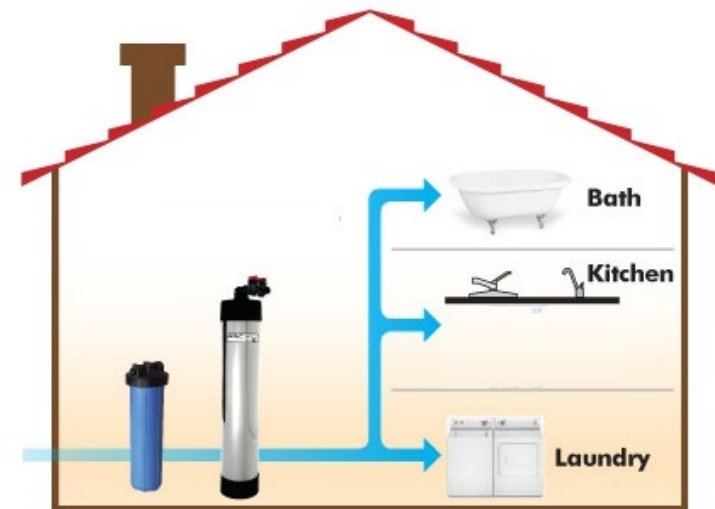
q Point of Use

- Treatment unit (filter) installed at drinking water faucet
 - Only treats water intended for drinking or other consumption
 - Local and rural approach



q Point of Entry

- Treatment unit installed at building entry
 - Treats all potable water in household use
 - Local approach



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q Single Private Well-head System

- Treatment unit installed at well structure
 - Treats all water from the local private well
 - Local and rural approach



q Clustered Private Well-head System

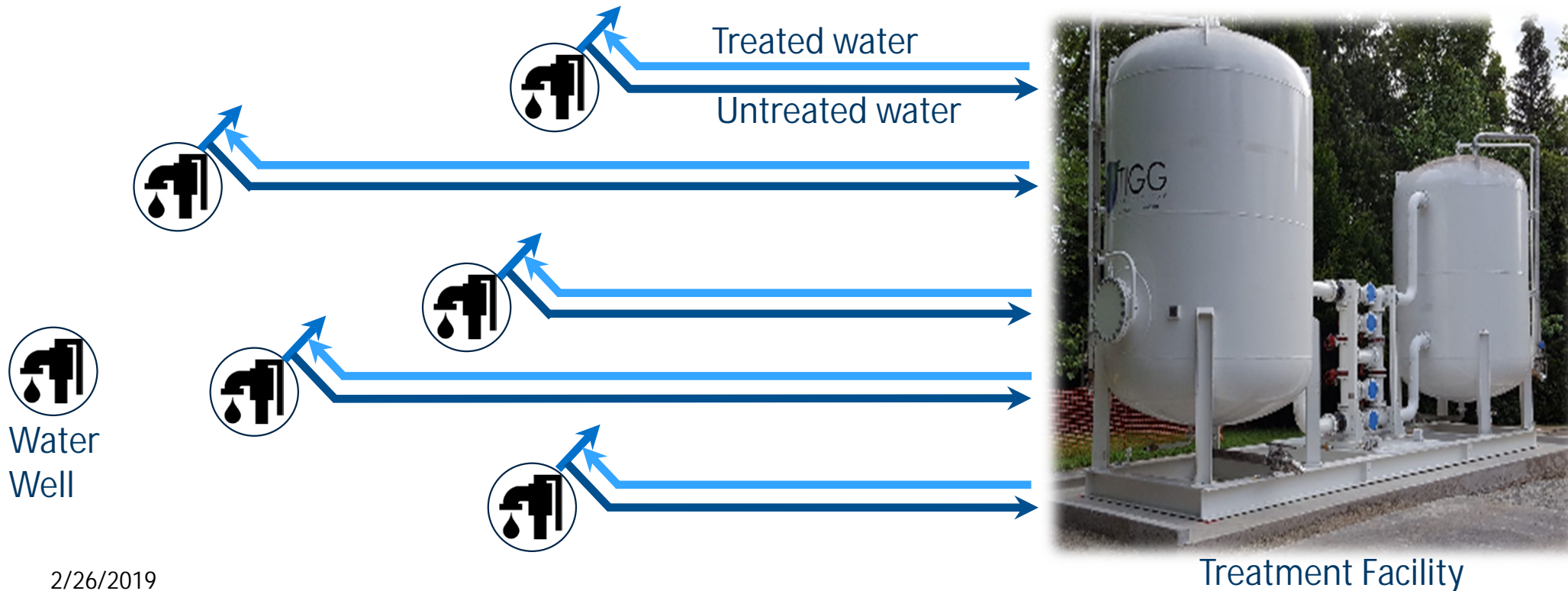
- Treatment unit for multiple local wells or users
 - Treats all potable water for multi-households



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□ Shared Groundwater Treatment (local cooperative or entity)

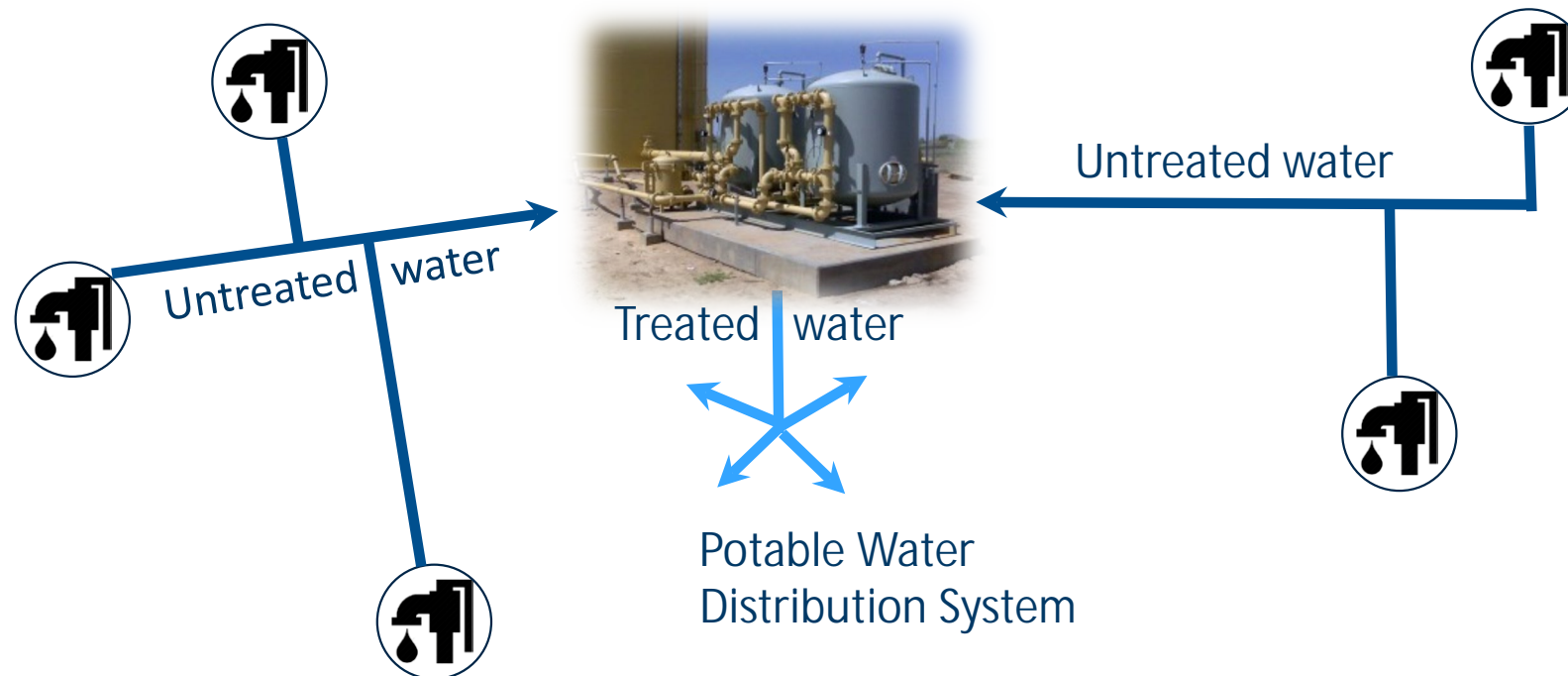
- Local cluster treatment facility for private wells



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q Centralized Groundwater Treatment (municipal)

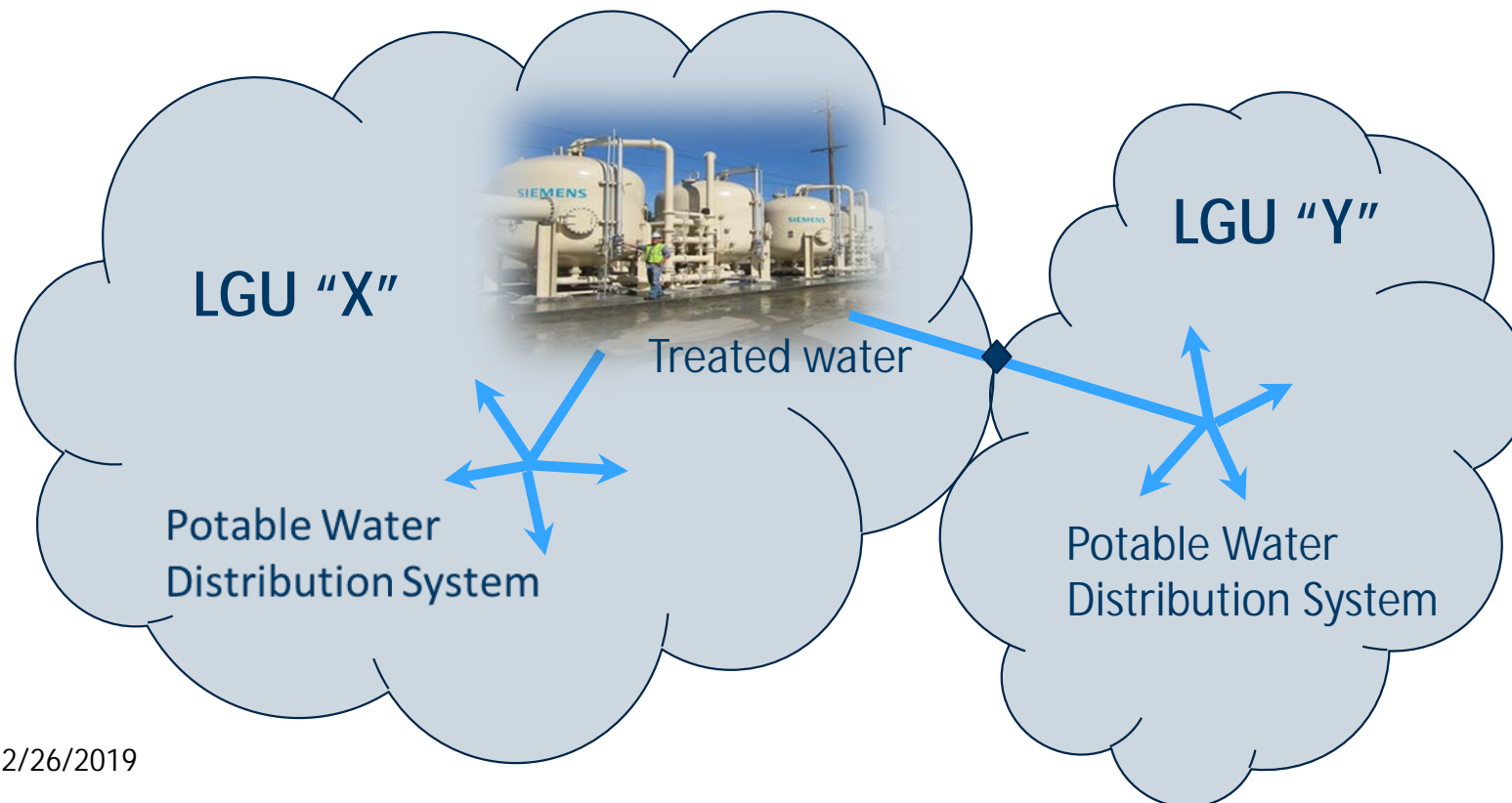
- Local cluster treatment facility for public wells



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q Regional Groundwater Treatment

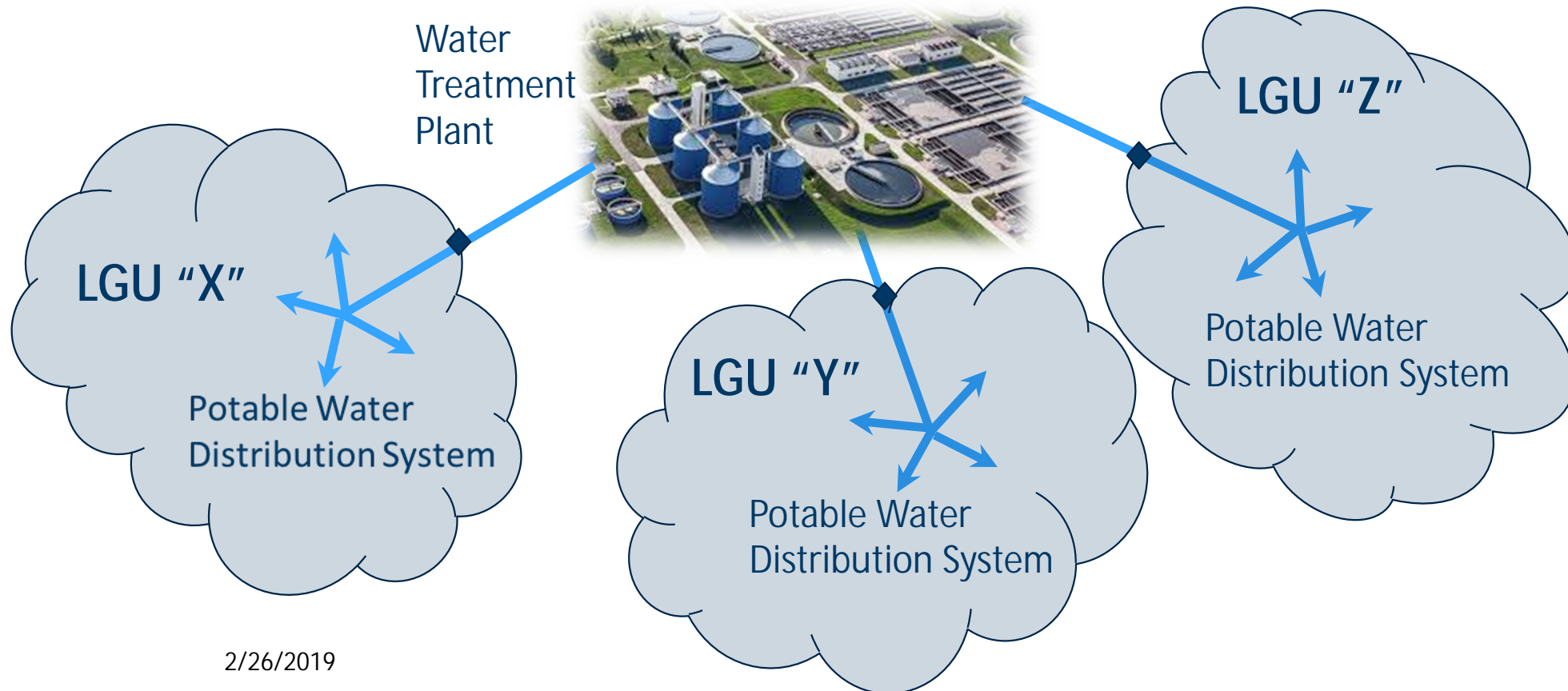
- Centralized municipal groundwater treatment



✓ Centralized/Decentralized Treatment Approaches

□ Regional Surface Water Supply

- Centralized surface water treatment and distribution (new or existing WTP)



✓ Centralized/Decentralized Treatment Approaches

q Combined Approach

- Some LGU's may have communities within its service area
 - Rural, semi-rural, suburban, urban, etc.
- A combination of approaches for different parts of its service area may be appropriate, for example:
 - Point of entry/use for existing private well users
 - Cluster groundwater treatment for isolated developments
 - Regional water supply for existing urban areas

Thank you!

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