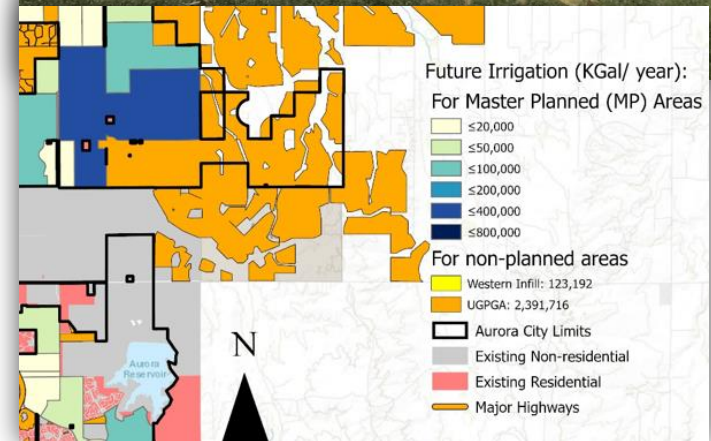# Austin Troy: Helping Planners Predict Future Yard Irrigation in the Colorado Front Range to Ensure Water Sufficiency

With rapid urban growth and limited water supplies, it is unclear whether Colorado Front Range communities will have enough water to support irrigated landscaping in the future. Using fast-growing Aurora, CO as a case study, this project presents a pilot approach for forecasting future outdoor water use. By showing how outdoor watering would change under different policies (lot sizes, housing types, irrigation and landscape standards) and different climate change assumptions, it provides a valuable tool for planners to help ensure future water sufficiency.

- Funders: Babbitt Center for Land and Water and the Water Research Foundation (Dates active: 2019-2020)

- Community partners: Aurora Planning Dept., Aurora Water

- Research Team:

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Future Irrigation (KGal/ year):
For Master Planned (MP) Areas
- ≤20,000
- ≤50,000
- ≤100,000
- ≤200,000
- ≤400,000
- ≤800,000

For non-planned areas
- Western Infill: 123,192
- UGPGA: 2,391,716
- Aurora City Limits
- Existing Non-residential
- Existing Residential
- Major Highways

N

*lead author of final report