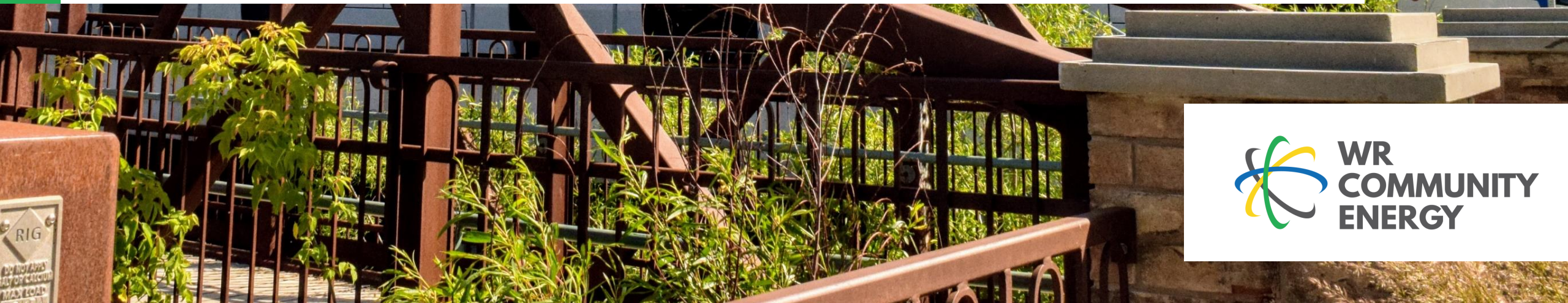
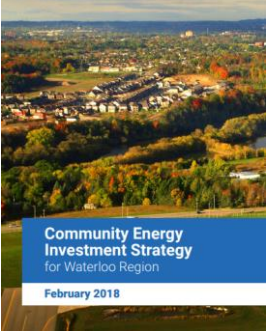




Energy and the Built Environment

UW School of Architecture | March 28, 2023





The Energy Transition Across 6 Terms

Term 1 (2019 – 2022)
Vision Setting



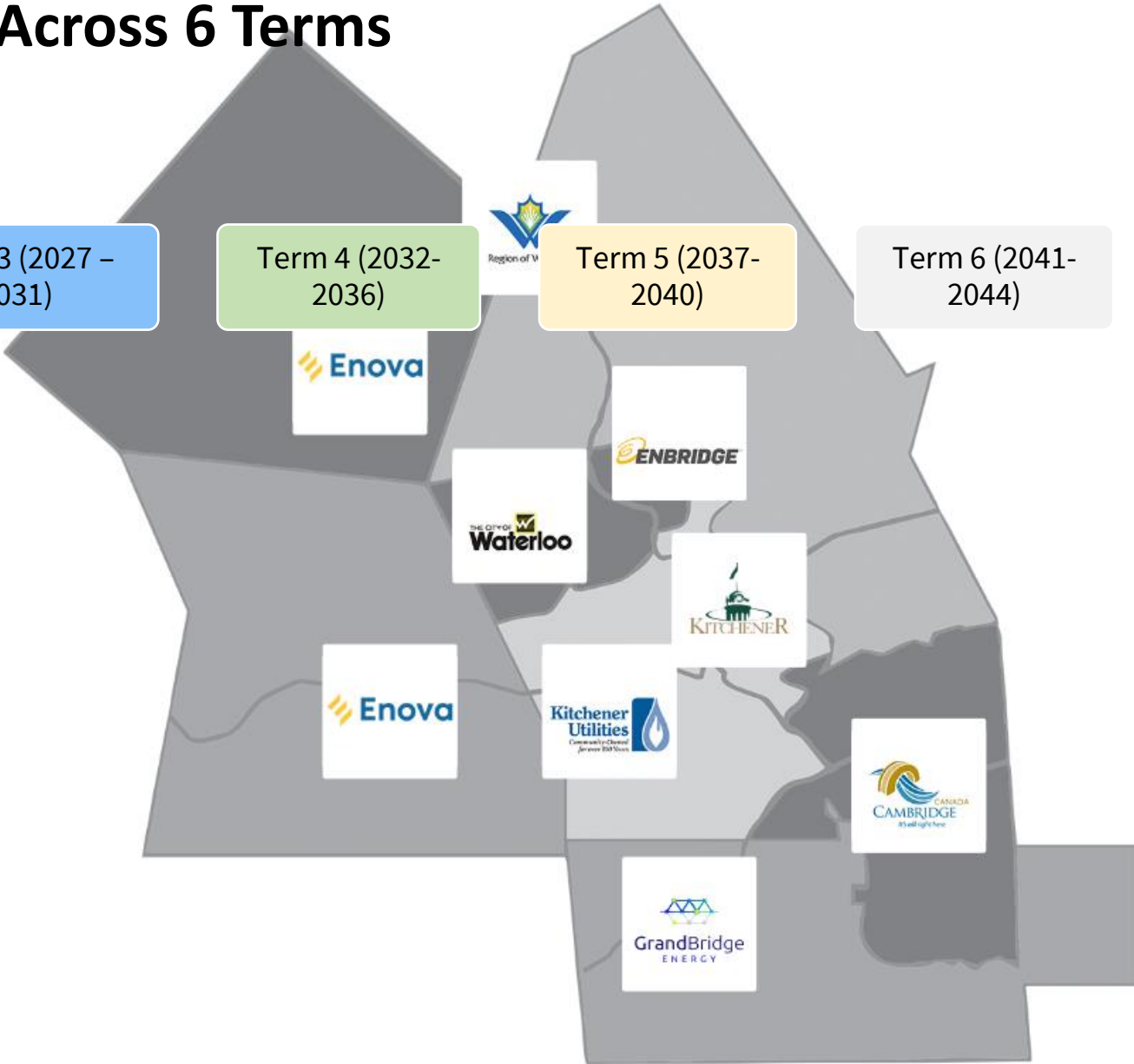
Term 2 (2023-2026)
Thermal Utility

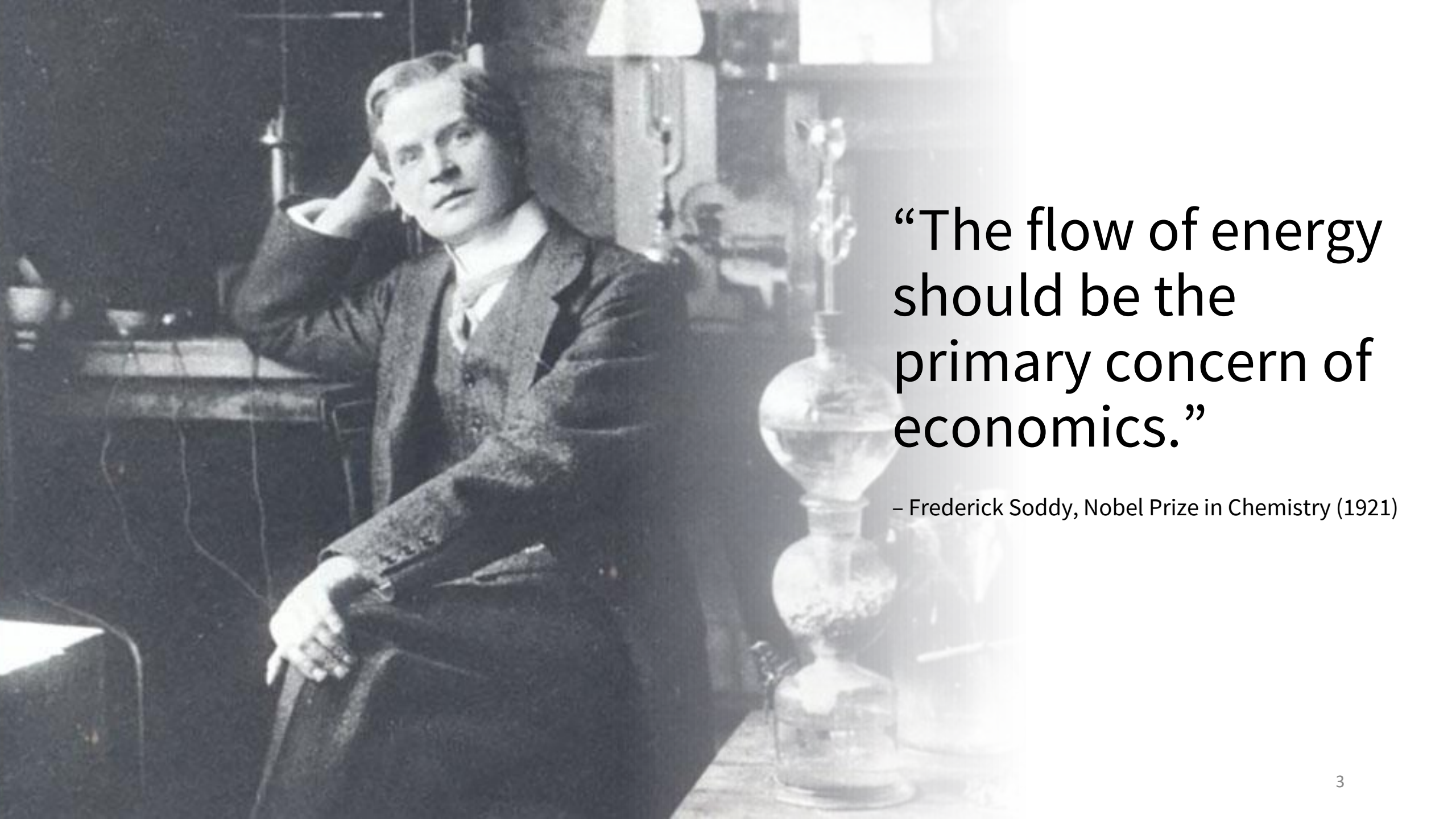
Term 3 (2027 – 2031)

Term 4 (2032-2036)

Term 5 (2037-2040)

Term 6 (2041-2044)

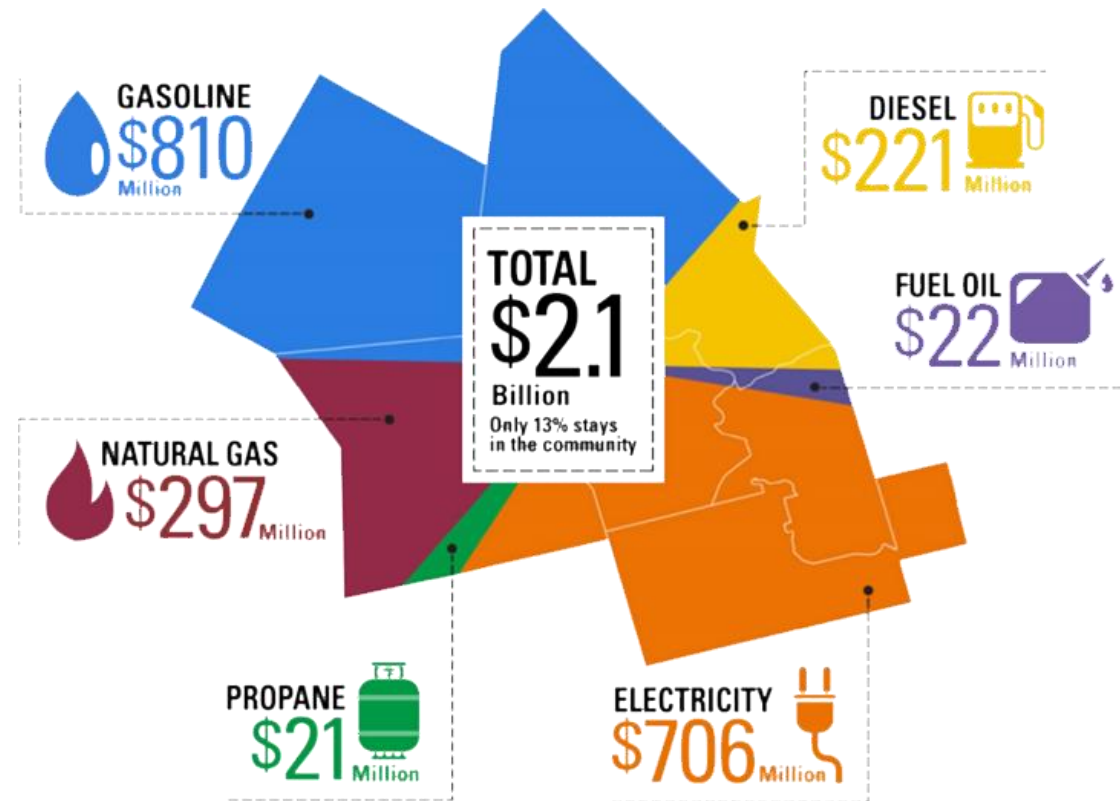




“The flow of energy should be the primary concern of economics.”

– Frederick Soddy, Nobel Prize in Chemistry (1921)

HOW MUCH DID WE SPEND ON ENERGY?

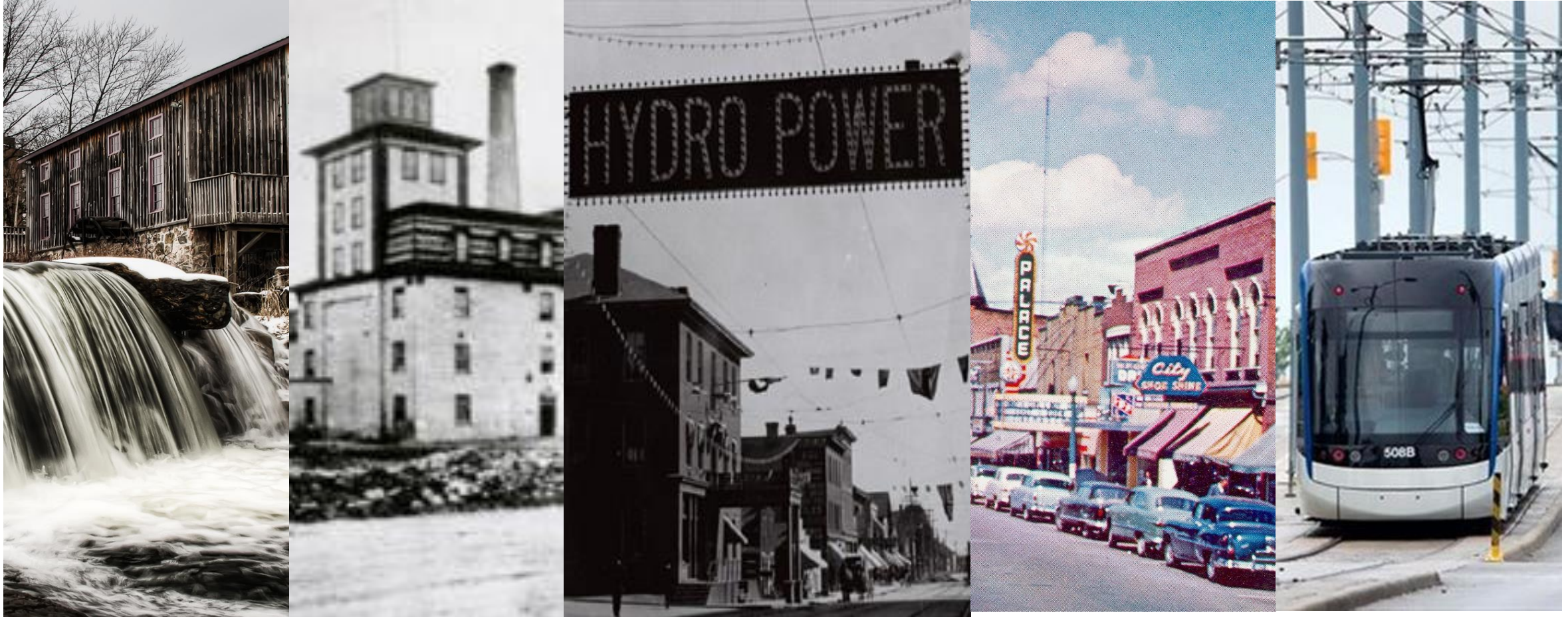


87%
of that
money
left our
community

Energy Transitions



ENERGY TRANSITION IN WATERLOO REGION



Energy Transitions in Cities



Coal Gas

- Street lighting
- Night life
- Safety

Coal

- Cement & steel
- Architecture & density

Petroleum

- Suburbanization

Electricity

- Indoor lighting, elevators, water systems
- Skyscrapers
- Education, equity

Clean Energy

- Smart cities
- Clean
- Resilient



**WR
COMMUNITY
ENERGY**

Matthew Day MA, CEM (he/him)
Community Energy Program Manager
W: wrcommunityenergy.ca
T: [@wrcenergy](https://www.instagram.com/wrcenergy)
L: [linkedin.com/company/wrcenergy](https://www.linkedin.com/company/wrcenergy)

