



MCCAC
MUNICIPAL CLIMATE CHANGE ACTION CENTRE

Municipal Climate Change Action Centre

Taking Action to Manage Energy (TAME) Buildings Initiative

Alberta Energy Efficiency Alliance
Becoming the National Leader in Energy Efficiency
February 7, 2013

Who are we?

- Project of Alberta Environment, Alberta Municipal Affairs, AUMA, AAMDC
- One stop centre for municipalities working on climate change initiatives

Government of Alberta ■



What do we do?

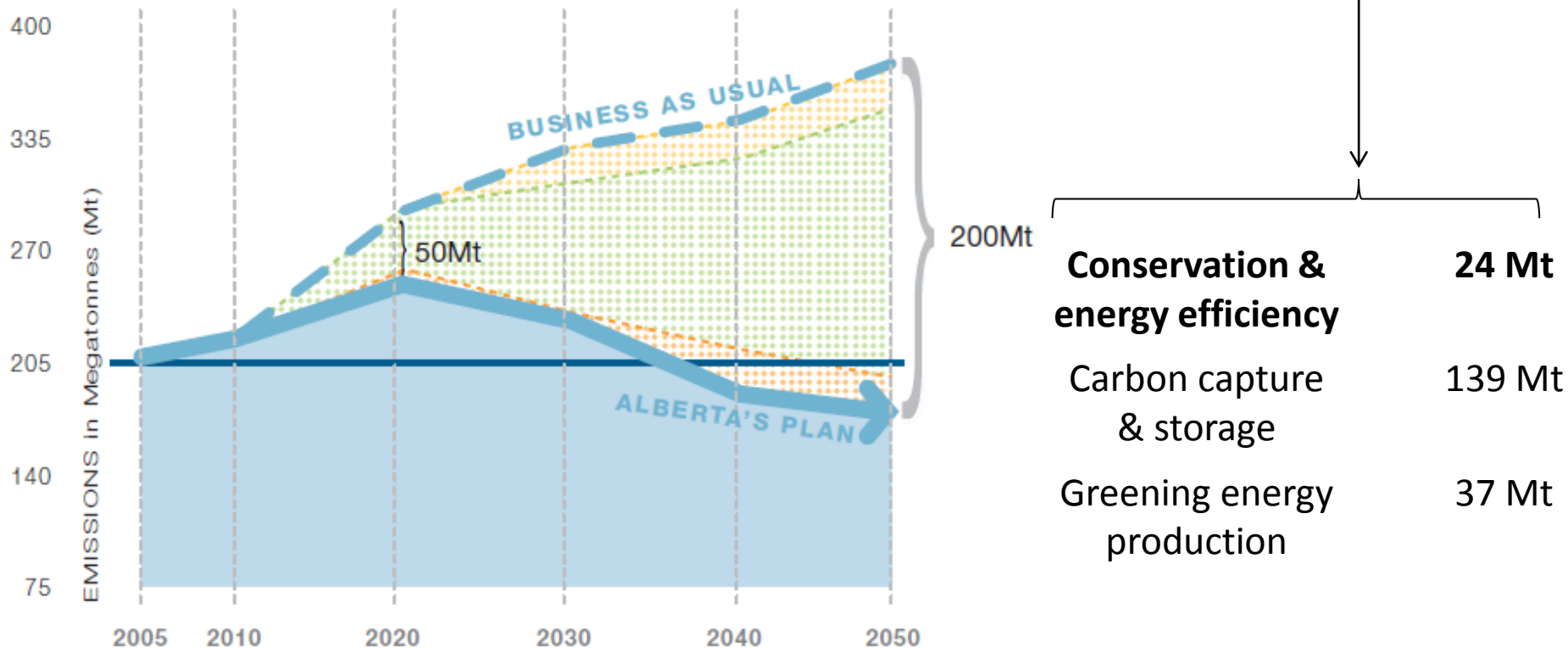
- Provide capacity, information, resources, funding to help municipalities take action on climate change
- Provide support for pilot and demonstration projects
- Major focus on energy efficiency in buildings

Background

The Climate Change Strategy (2008)

- Energy efficiency in municipal buildings must be addressed to achieve the 24 Mt target. **MCCAC can help!**

ALBERTA'S REDUCTION COMMITMENTS



TAME Buildings Initiative

- Energy efficiency benchmarking
- Business Case Analyses of Detailed Energy Assessments (DEAs)
- Rebate funding for implementation
- Tracking project results & reporting

Participation

TAME Process Step	Number
Energy efficiency benchmarks created	180+
Detailed Energy Assessments (DEAs) received	45
Municipal TAME Building participants	19
Municipalities with completed projects	4

What are we learning from the TAME Buildings Database?

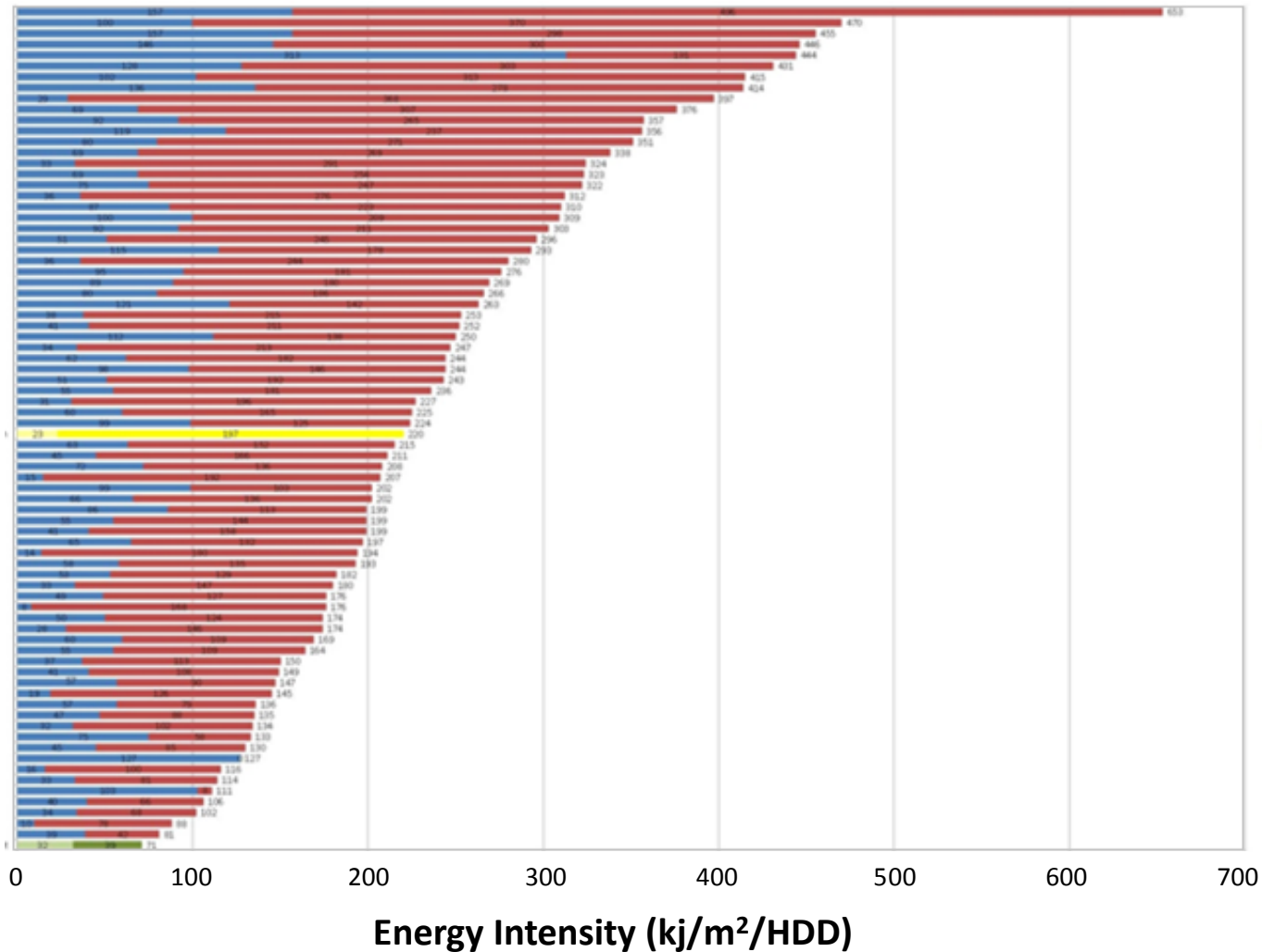
Distribution by Energy Intensity

Alberta Municipal Office Building Energy Intensity

Least
Efficient

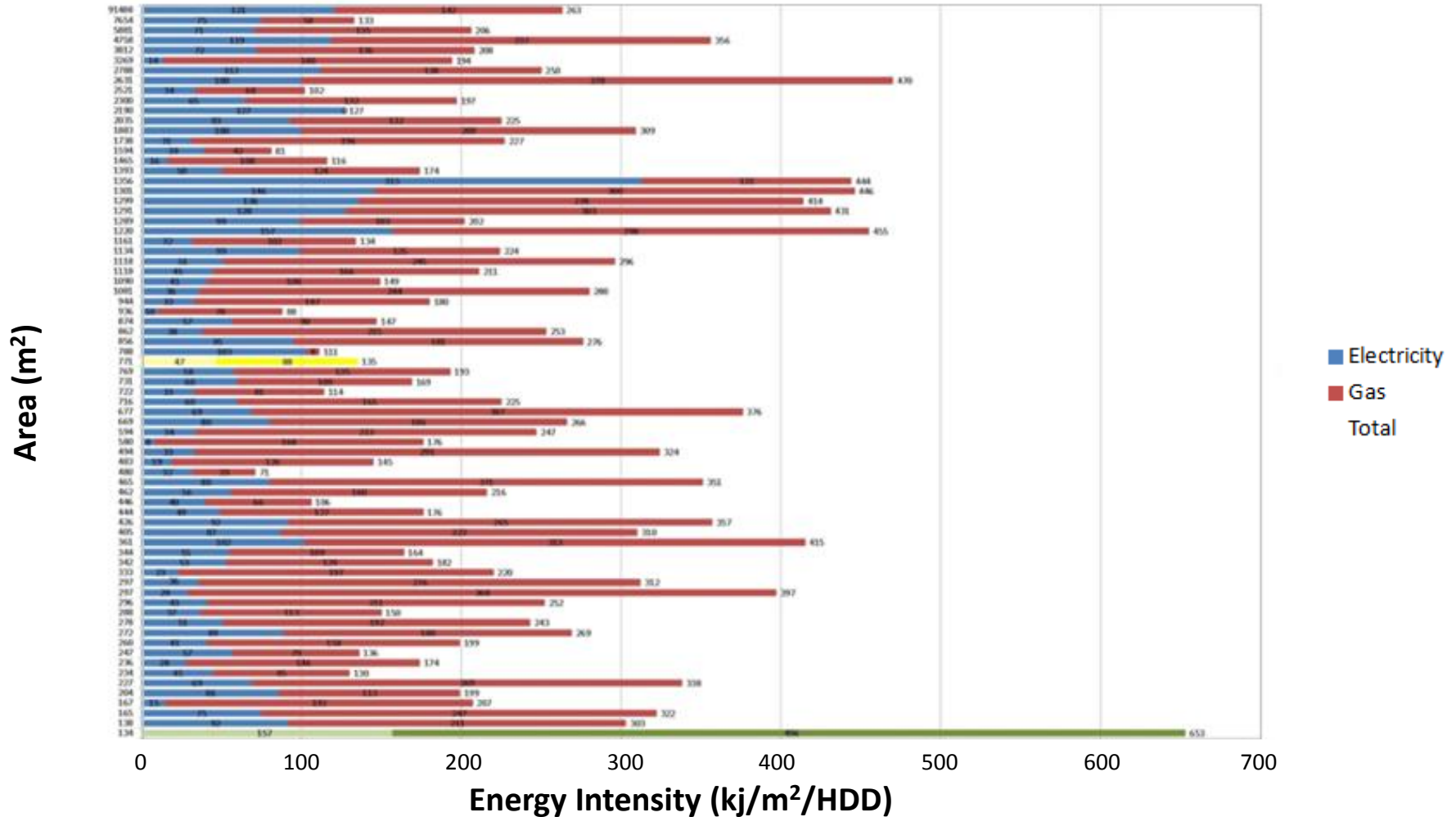
Alberta
Median

Most
Efficient



Distribution by Building Size

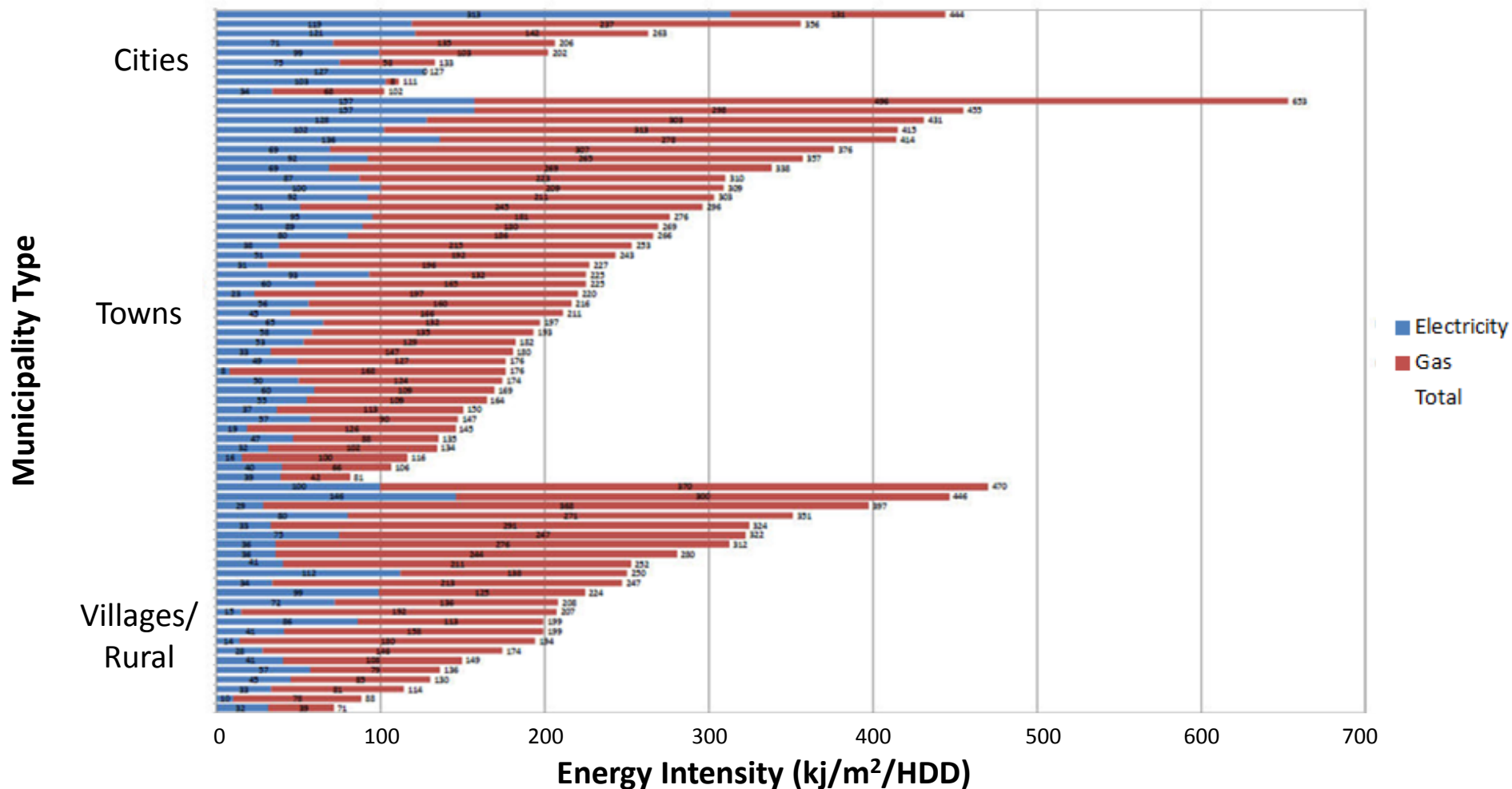
Alberta Municipal Office Building Energy Intensity



Distribution by Municipality Type



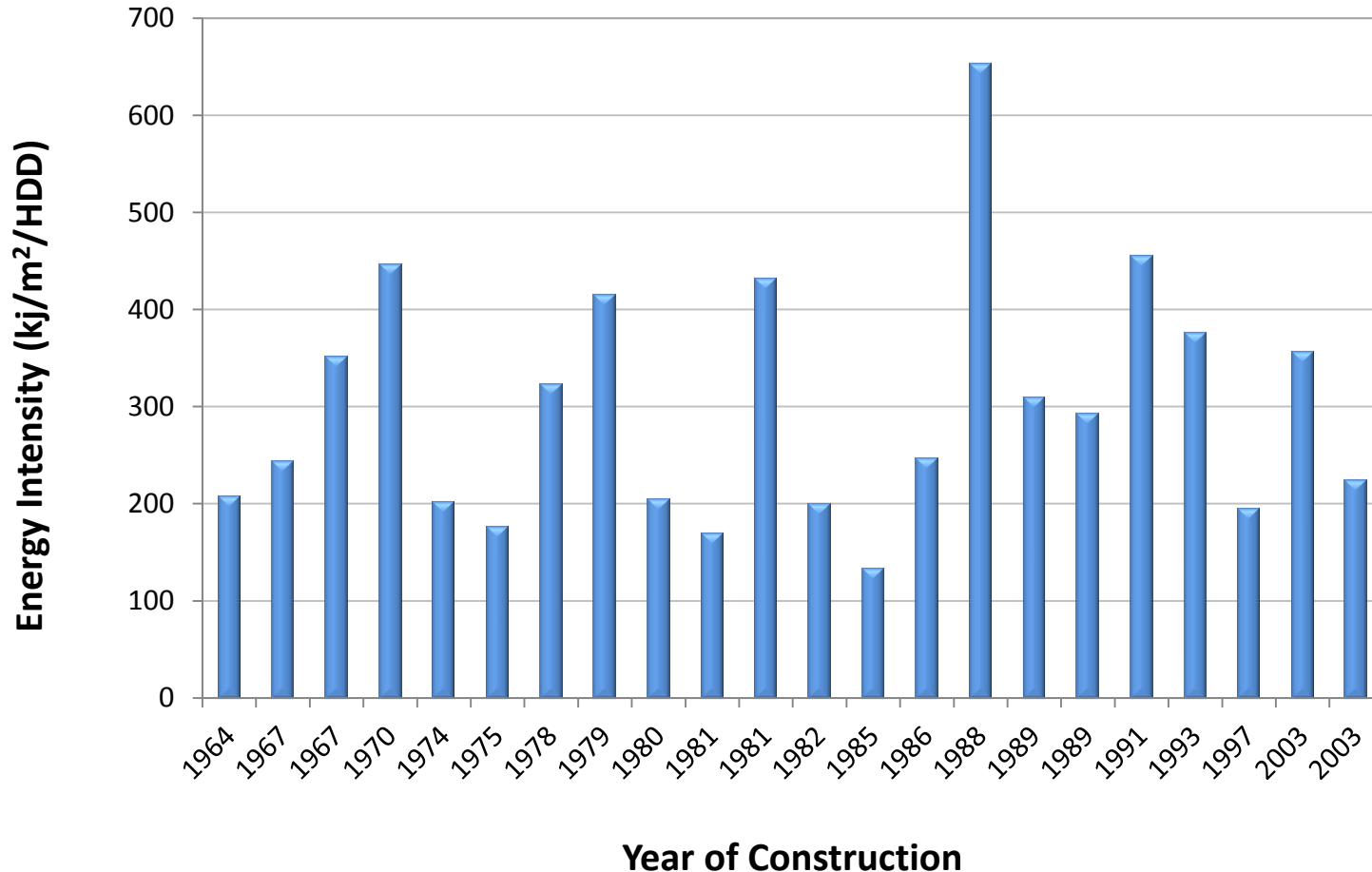
Alberta Municipal Office Building Energy Intensity



Distribution by Year of Construction



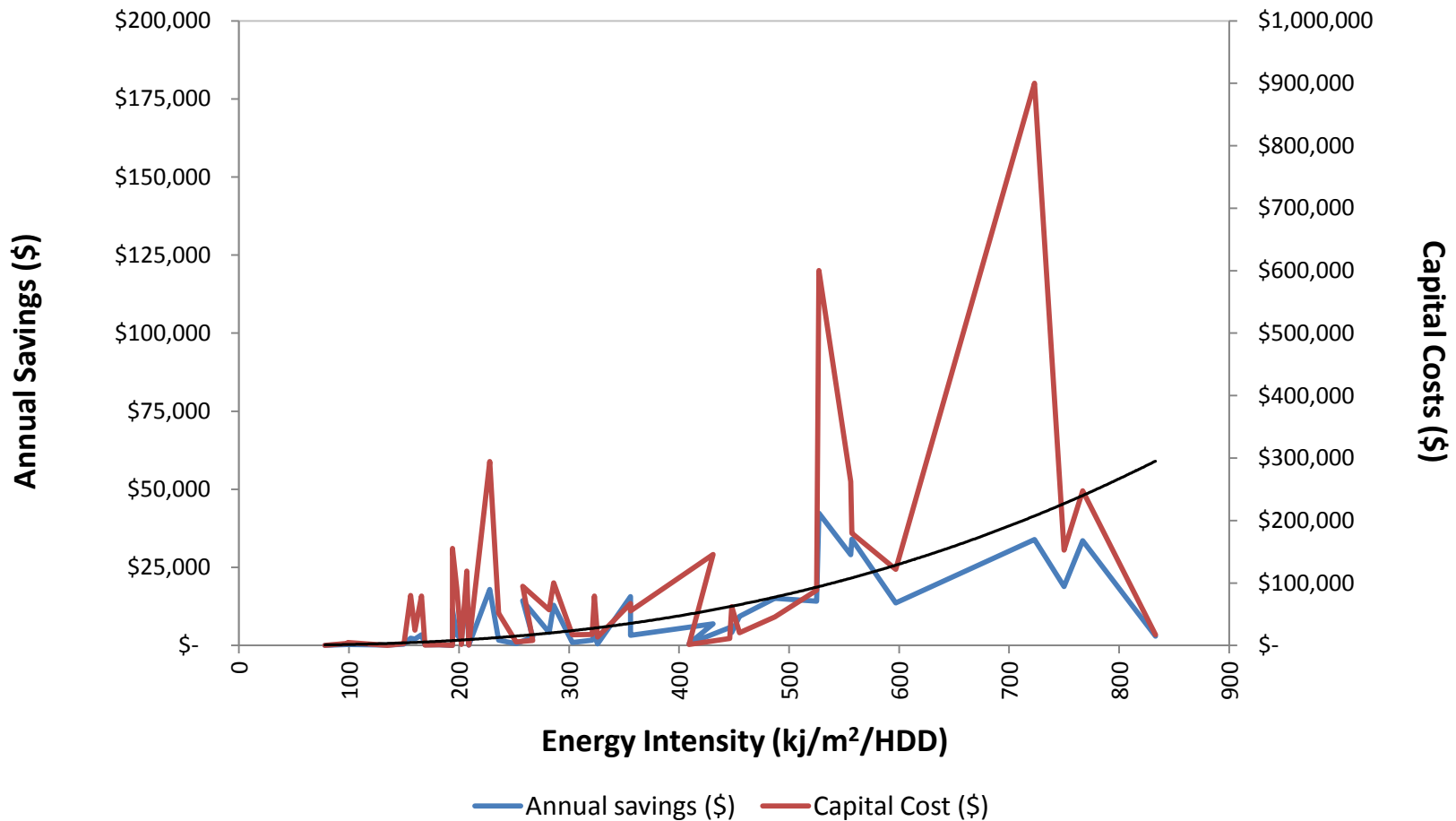
Alberta Municipal Office Building Energy Intensity vs. Year of Construction



Taking Action

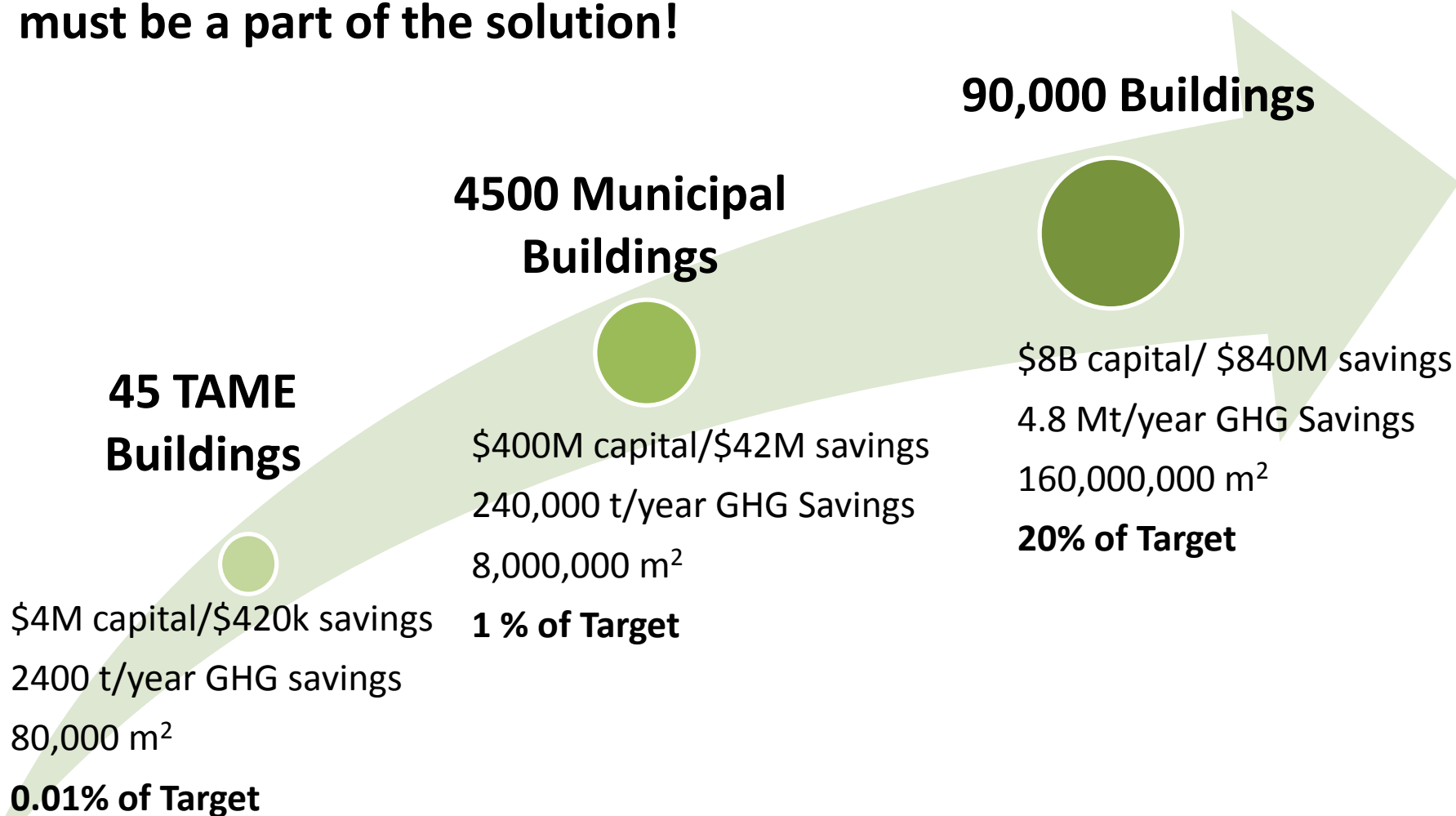
Higher the energy intensity, greater the savings potential!

Energy Intensity of Facilities with 45 Completed DEAs vs.
Capital Costs (\$) and Estimated Annual Savings (\$)



Taking Action

The 24 Mt target – Energy efficiency in existing buildings must be a part of the solution!



Small actions can have big impacts

If the municipalities participating in TAME Buildings set the standard for all municipalities in Alberta, what would the impact be?

Municipal Climate Change Action Centre

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