



# A Climate Program for The City of Calgary

2017 February 22



## Why are we here today?

- **Background to the magnitude of the climate challenge; and**
- **An update on planned activities to manage this risk**



# A Changing Climate in Calgary



## + INCREASING

### ALREADY HAPPENING



+ Hot summer days



+ Warming temperatures



+ Invasive species



+ Wildlife endangerment



+ Intense precipitation



+ Extreme weather



+ Shrinking glaciers



+ Tree stress

## - DECREASING



- Cold winter days

### PROJECTED CHANGES



+ Shifting seasons



+ Severe winds



+ Exposure to diseases



+ Air quality related health issues



- Annual stream flow



+ Winter precipitation



+ Localized flooding



+ Droughts



+ Heat waves



+ Tornadoes

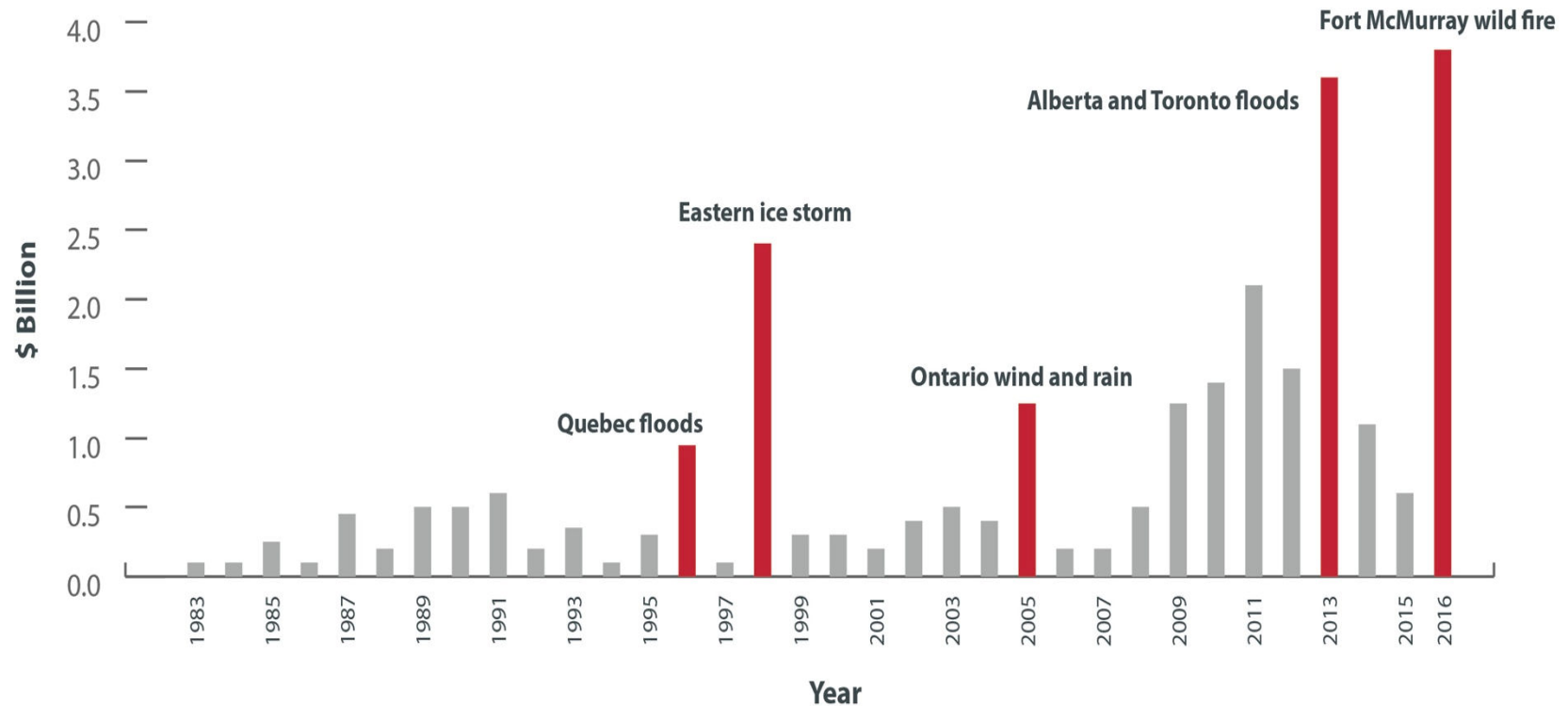


# Extreme Weather

## 7/10 costliest disasters in Alberta

### Catastrophic Insured Losses

Source: Insurance Bureau of Canada





# Regulatory Environment

## **FEDERAL**

- Carbon management and Adaptation planning

## **PROVINCIAL**

- 2003 Climate Change and Emission Management Act
- 2016 Climate Leadership Plan & Programs - Energy Efficiency, Carbon Levy, Infrastructure funding
- Mandatory Mitigation and Adaptation Plans with regular reporting (City Charter)

## **CITY OF CALGARY**

- Action Plan 2015 – 2018
- Big City Mayor's Caucus - Climate Change Resolution





# Citizen Support

**69%**

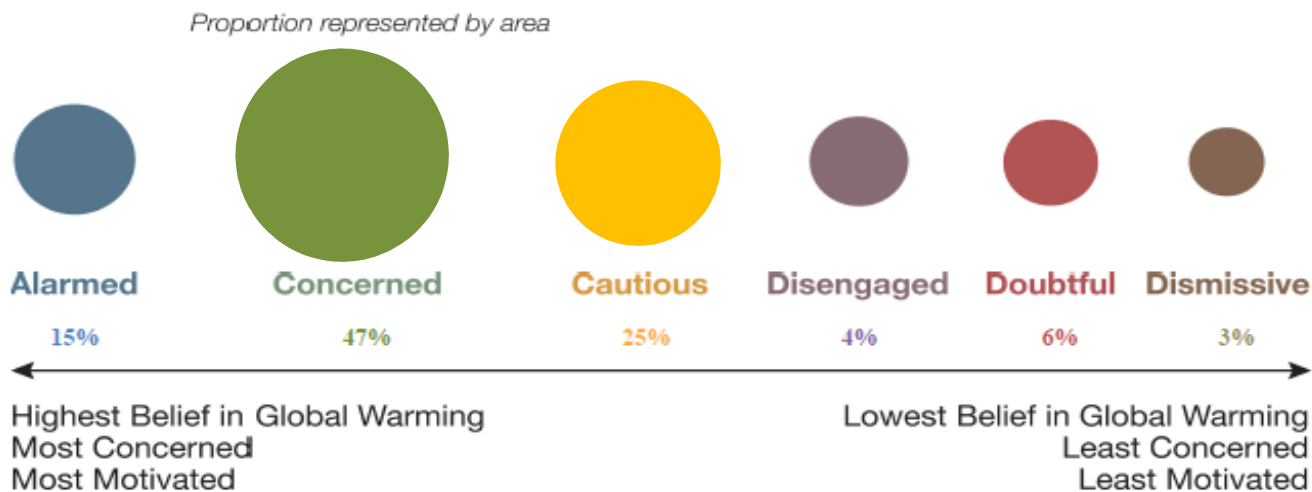
The City  
should do more

**78%**

Citizens  
should do more

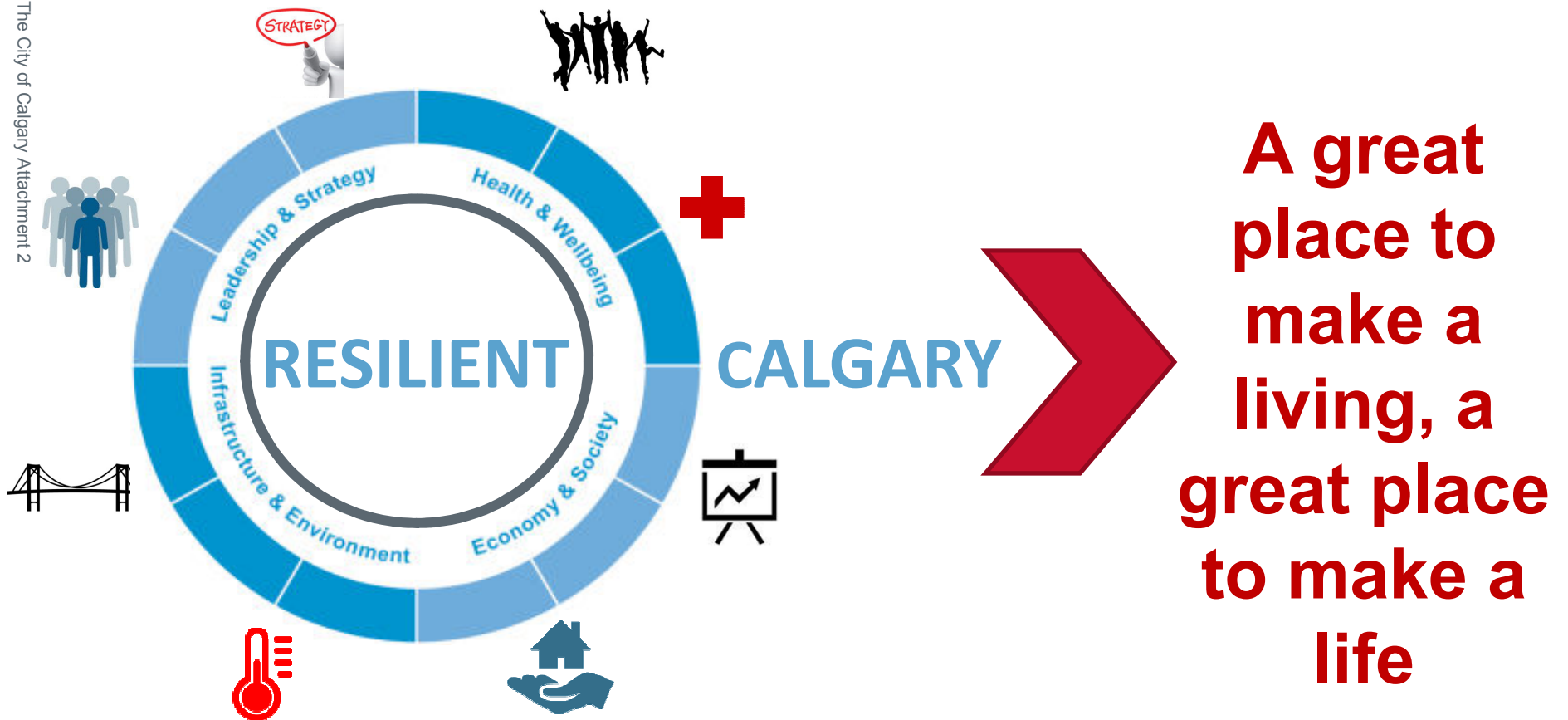
**74%**

Business and Industry  
should do more



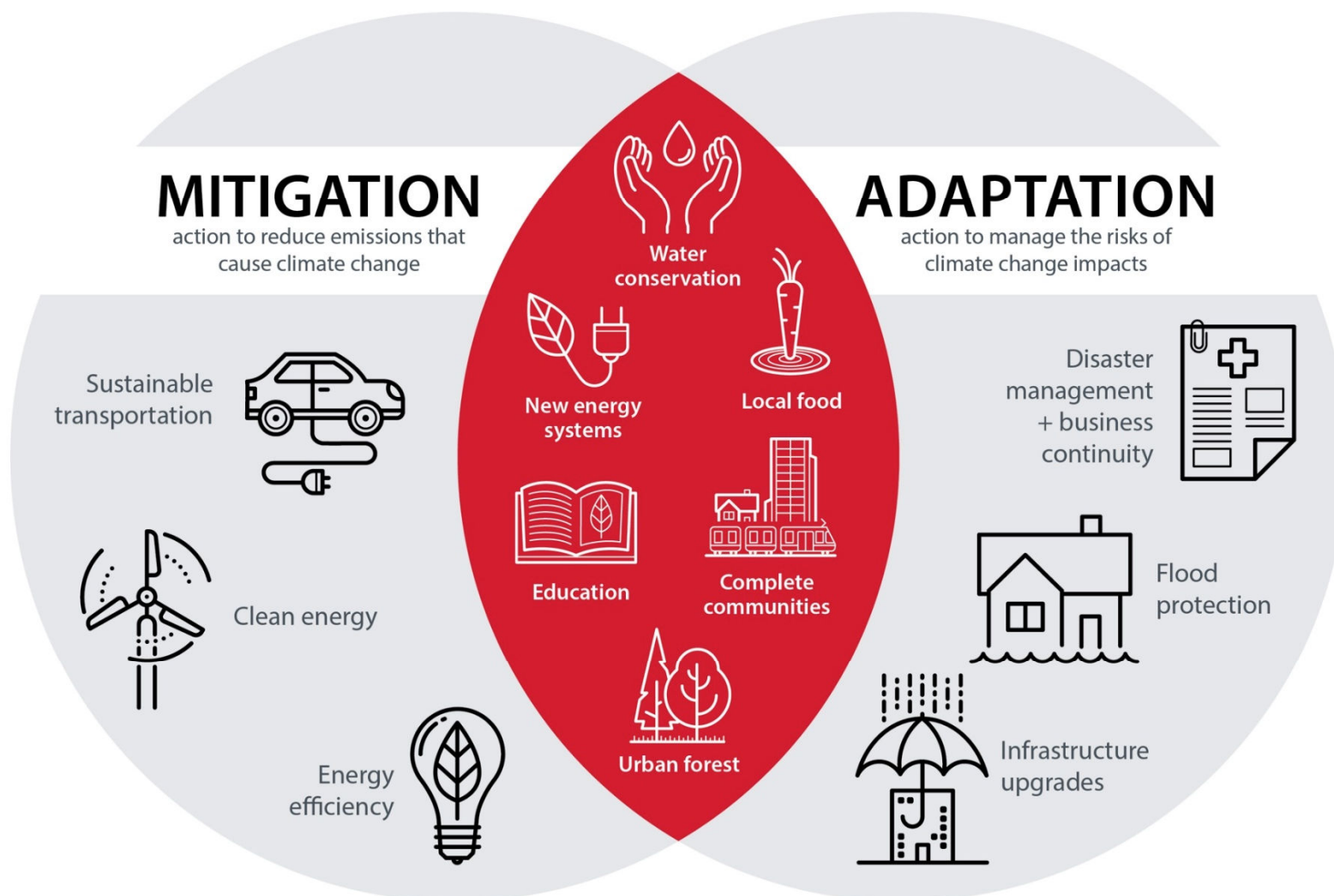


# Climate Resilience





# Building climate resilience





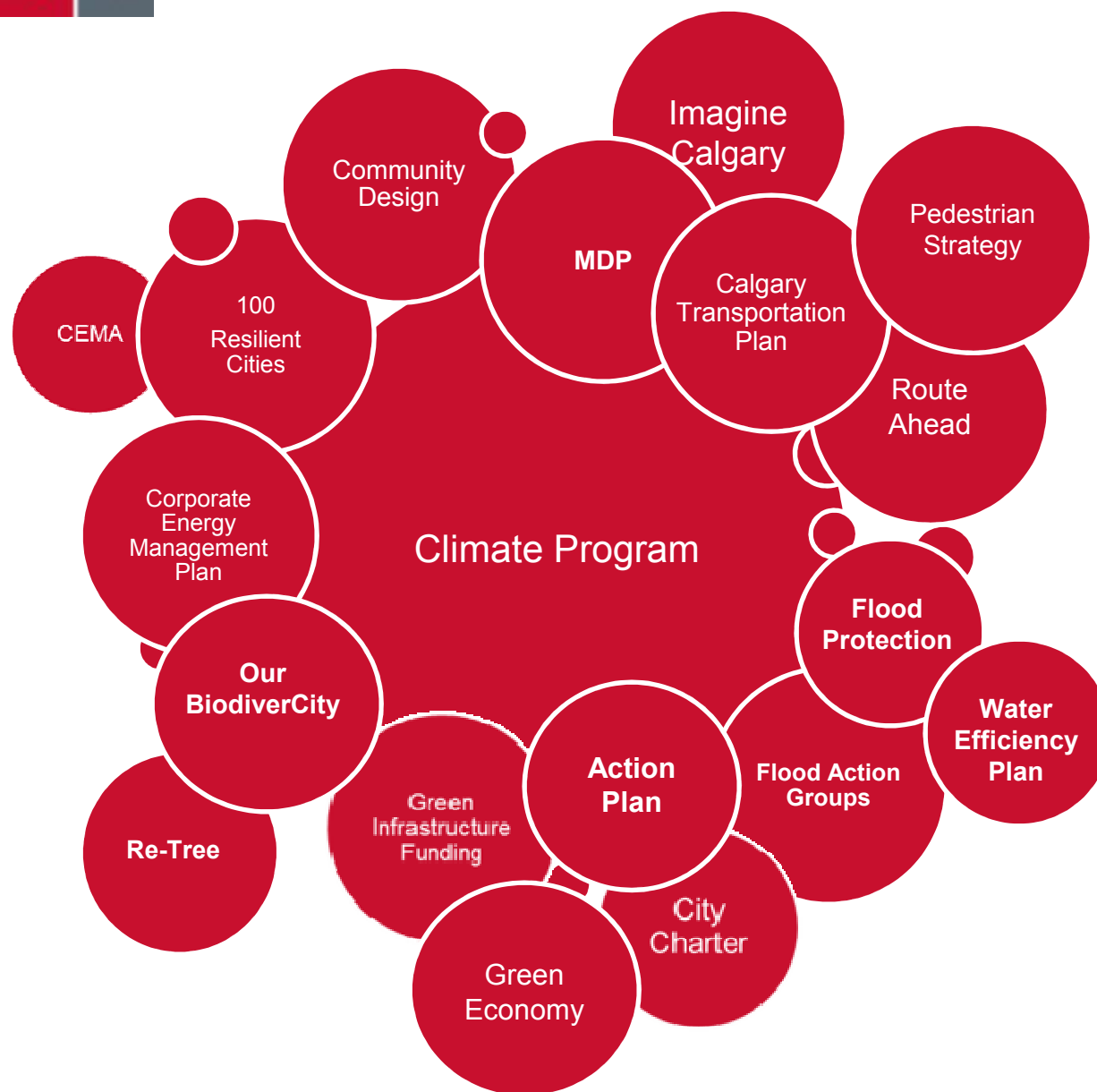


# Benefits

- Cost avoidance and savings
- Supporting economic growth
- Safeguarding vulnerable residents and infrastructure
- Protecting and enhancing the natural environment

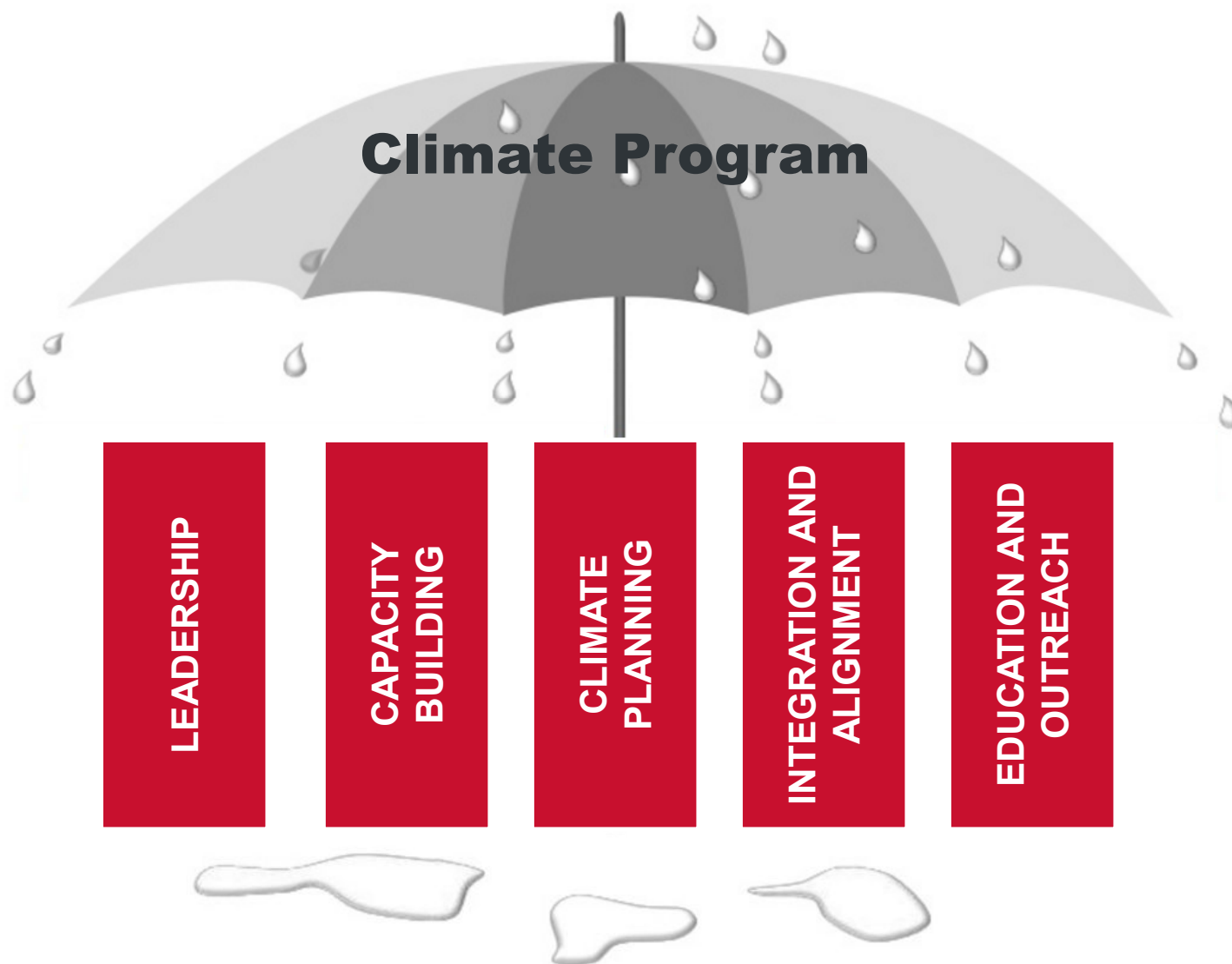


## Work Already Underway (examples)





# Climate program





# Program Timeline

