

BCxA Southwest Chapter Meeting

Status of Local Colorado
Advocacy Issues



Agenda



UPDATE ON BCxA INITIATIVES



INTRODUCTION TO RMMCA



REVIEW OF CURRENT LOCAL &
STATE POLICIES ON RMMCA'S
RADAR



DISCUSSION OF POLICY
INFLUENCES ON CONSTRUCTION &
COMMISSIONING MARKETS



STRATEGIC PLANNING ON HOW
BCxA & RMMCA COULD BENEFIT
FROM MAINTAINING A LIAISON
RELATIONSHIP

Update on BCxA Initiatives

- BCxA Conference Hybrid – October 6 thru 8 in Toronto, ON
- (Webinar) “Ventilation for Healthy Buildings” – May 10th
- Virtual Classroom Training
 - NCCx (June 7 – 8)
 - EBCx (June 9 – 10)
 - BECx (June 11)
- Certification (ACP, CCP) – Remote testing available
- Committees: Advocacy, Awards, Best Practices, Conference, Education/Training, Marketing, Membership, Owners
- <https://www.bcxa.org/>



Rocky Mountain Mechanical Contractors Association



Rocky Mountain
Mechanical Contractors
Association

- Represent union signatory contractors involved in heating, air conditioning, refrigeration, ventilation, plumbing, piping, and mechanical service in Colorado, Wyoming, Nebraska, and South Dakota.
- Represent more than 100 member companies, providing services related to:
 - Labor relations
 - Education and training
 - Networking and industry relationship building
 - Legislative and regulatory advocacy

Colorado Greenhouse Gas Pollution Reduction Roadmap

January 14, 2021

- **HB 19-1261:** Statewide GHG emission reduction targets (from 2005 levels):
 - 26% by 2025
 - 50% by 2030
 - 90% by 2050

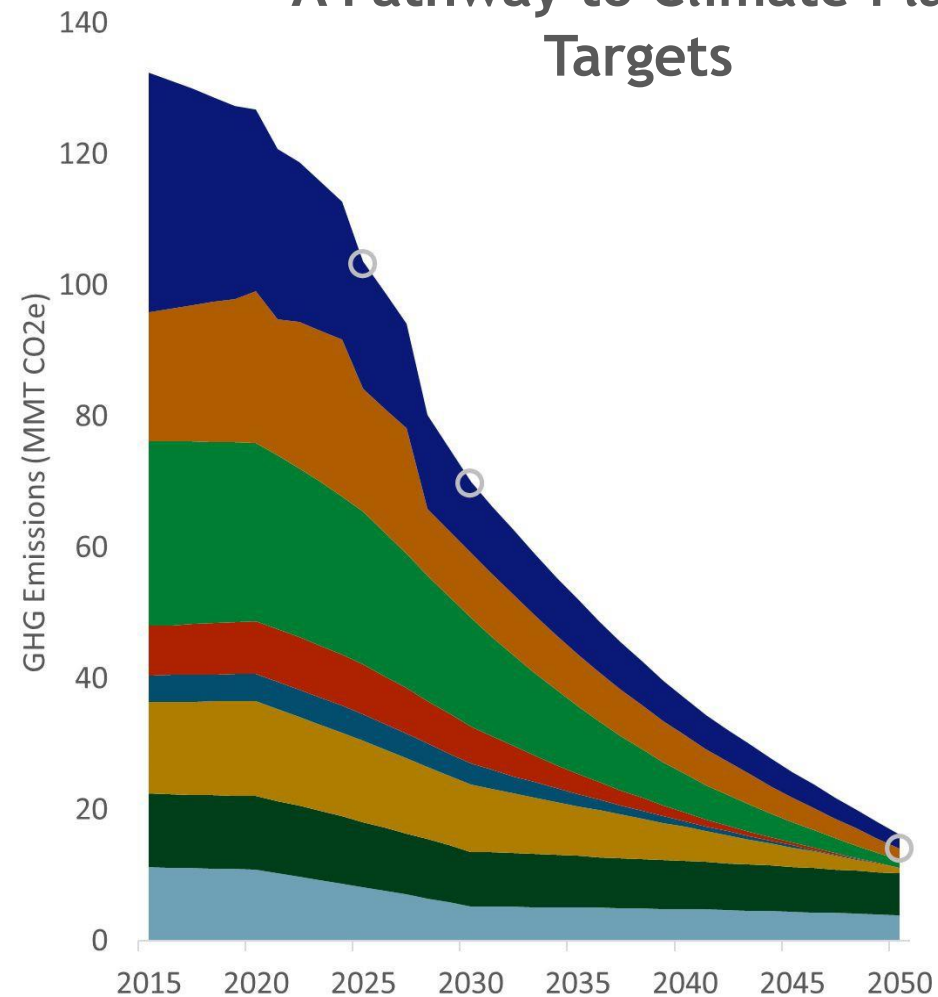


GOVERNOR JARED POLIS

Getting to Colorado's 2050 Climate Goals

Will require efforts and policy adoption across many agencies including CDPHE, CDOT, CDA, DNR and CEO; requires transformation across all sectors

A Pathway to Climate Plan Targets



Reduction by sector (vs. 2015)

- 94% Electricity
- 91% Oil & Gas
- 96% Transportation
- 100% Buildings
- 94% Industry
- 43% Agriculture
- 65% HFC, Waste, CH₄



Colorado Solutions - Electric Sector and Buildings



Utility clean energy plans



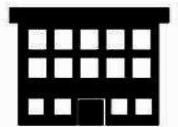
Building electrification



Modernize and expand gas utility energy efficiency programs



Consider Renewable Natural Gas standard and GHG targets for natural gas utilities



Improve building efficiency through codes and performance standards



Sector	Proposed Near Term Actions	Status
Electricity	<ul style="list-style-type: none"> • Adopt Clean Energy Plans and hold AQCC Regional Haze rulemakings to reach 80% pollution reductions by 2030 • Consider mechanisms such as performance based regulation at the PUC and other tools to incentivize deeper emissions reductions and serve new beneficial electrification load with zero carbon generation 	<ul style="list-style-type: none"> • Tri State, Colorado Springs and Platte River Power have announced plans to close all coal generation before 2030. • Xcel energy files CEP in March 2021 to achieve at least 80% reduction by 2030. Regional Haze rulemaking will begin in November and conclude in 2021. Other CEPs are expected next year. Tri State ERP due in December 2020. • CO PUC is investigate performance based regulation. CO Energy Office has provided comments advocating for aligning regulation with state climate goals.
Buildings and Natural Gas Utilities	<ul style="list-style-type: none"> • Expand energy efficiency investments from natural gas utilities to support building shell improvements • Set carbon reduction goals, leak reduction targets, and renewable natural gas (RNG) requirements for natural gas utilities • Require existing large commercial buildings to track energy use and make progress toward energy and pollution performance standards • Support adoption of advanced building codes • Require regulated electric utilities to create programs that support customer adoption of electric heat pumps and other forms of beneficial electrification 	<ul style="list-style-type: none"> • The AQCC long-term calendar currently includes a rulemaking to address GHG emissions in the built environment in December 2021



GHG Reduction Policy Proposals in Colorado

- **Statewide**
 - ***General Assembly***
 - [HB 21-1286](#) – Building Benchmarking and Performance Standards
 - [SB 21-246](#) – Beneficial Electrification
 - [SB 21-200](#) – Greenhouse Gas Reduction Targets
 - ***Air Quality Control Commission (AQCC)***
 - Cap and trade
 - [Employee Trip Reduction Program \(ETRP\)](#)
 - Regulation 22- New rules for the built environment
- **City and County of Denver**
 - ***Office of Climate Action, Sustainability, & Resiliency (Energize Denver)***
 - [Net Zero New Buildings and Homes](#)
 - [Building Performance Standards](#)
 - ***Ballot***
 - Ballot Initiative 2A (2020)
 - [“Waste No More”](#) (2021)
 - [“Polluters Must Pay”](#) (2021)

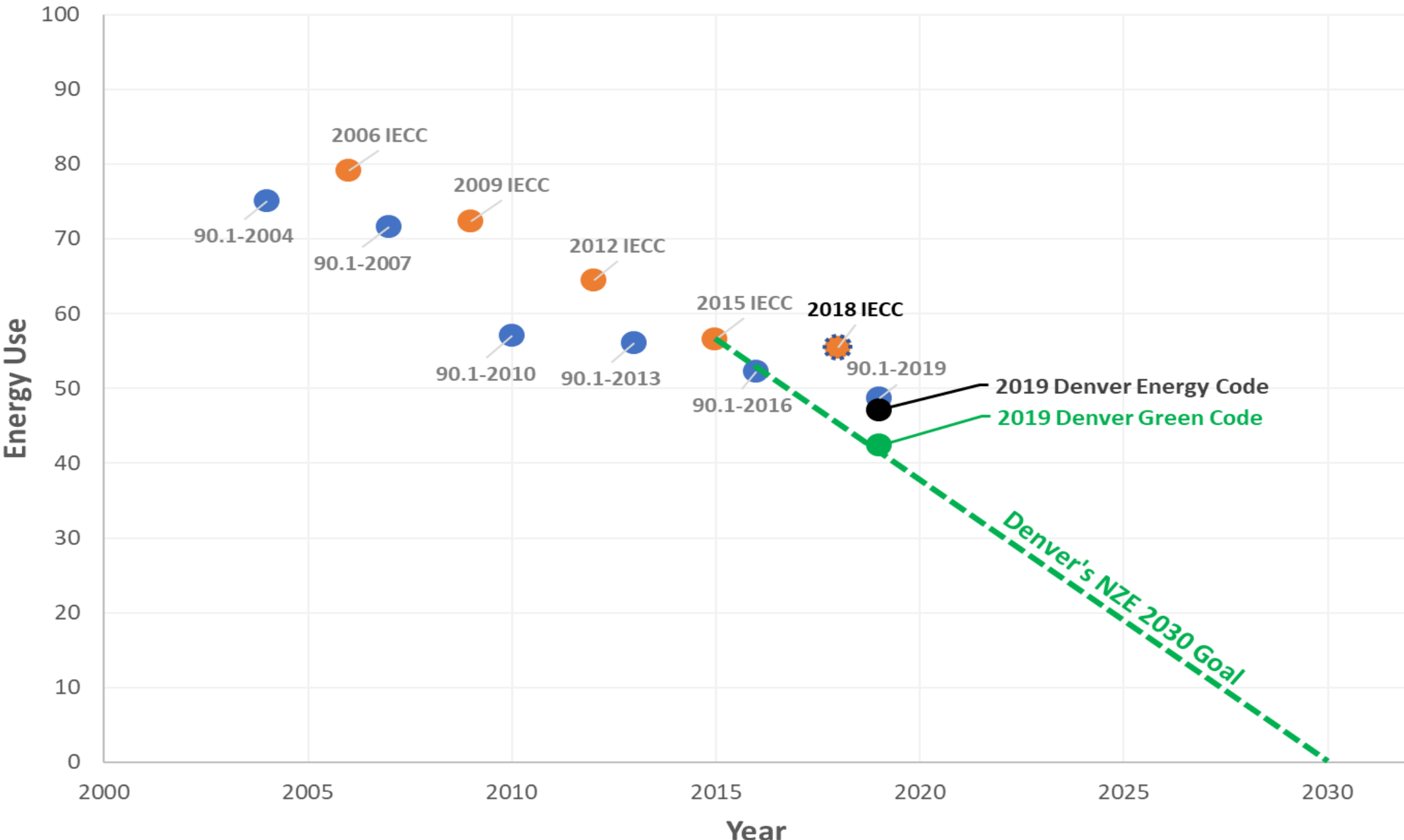
Building Benchmarking and Performance Standards

- **Statewide:** HB 21-1286 – Building Benchmarking and Performance Standards
 - Introduced on April 21, 2021
 - **Benchmarking** – Beginning 2022, requires covered buildings >50,000 sq ft to collect and report to the Colorado Energy Office the building's energy use on an annual basis. (Single family homes, manufacturing, industrial, ag excluded)
 - **Performance Standard** – Beginning in 2026, covered buildings must demonstrate that they've achieved one of the required performance standards, which include:
 - An Energy Star score of 75 or higher.
 - An Energy Star score 15 points higher than the most recent baseline year.
 - Decrease in energy-use intensity of 15%.
 - Energy-use intensity met or surpassed targets set by AQCC.
 - Renewable energy use targets.
 - Commissioning referred in Section (9) as method for Performance Standard Waiver. Cx report required in accordance to ASHRAE 202-2018
- **City and County of Denver:** In development.

Net Zero New Buildings & Homes

- Net zero energy policies in building codes.
- **This means all new homes (by 2024) and new buildings (by 2027) will be:**
 - *Highly Energy Efficient*
 - Highly energy-efficient buildings on site
 - Target Energy Use Intensity (EUI) for commercial buildings. Target ERI for homes.
 - Buildings will have to perform as designed where practical for that building type.
 - Energy efficiency is the step that makes everything more cost-effective.
 - *All Electric*
 - Reduce greenhouse gas emissions through all-electric equipment in buildings.
 - No more natural gas in our new buildings and homes.
 - *Powered by Renewable Electricity*
 - On-site or off-site renewables focused on additional production.
 - REC's (renewable attributes) need to be retired by the customer or the utility and not sold.
 - *Providers of Demand Flexibility for the Grid*
 - Energy storage, grid integration, and flexibility to respond to grid signals.
- **Code Adoption Working Groups to begin meeting in May 2021.**

Denver's Path to Net Zero Energy - Commerical



Policy Implications

- Likelihood for legislation passage?
- Opportunity for comment on current bills?
- Education of clients – How does this impact them?
- Opportunity for Providers – What is the market impact?
- Impact on Providers – Workforce availability and training?
- Education of marketplace – EBCx approach at scale?
- Enforcement of minimal EBCx standards?

BCxA- RMMCA Partnership Opportunities

- RMMCA – Share Government Lobbying resources
- BCxA – Provide Subject Matter Expertise on Implementation requirements and Minimum Cx standard enforcement
- What is the shared message between the organizations?
- Outreach to Members in each other's organizations
- Outreach to other EE organizations (ASHRAE, AEE)
- Outreach and Education to Clients

Next Steps

- **Opportunities to engage**
 - Colorado General Assembly
 - Air Quality Control Commission
 - Rulemaking for buildings expected to begin this summer
 - Denver code adoption working groups
 - Energize Denver Task Force
- **Information sharing**
 - [Colorado GHG Reduction Policy Tracker](#)
- **Follow up meeting?**