

BASELINES & BENCHMARKS CASDEM – SEPT 2022 MTG

**Colorado Energy Office
September 22, 2022
9:30am – 2:00pm**

AGENDA

9:30-10:00	Networking
10:00-10:25	Meeting Kick-off <i>(join virtually at this time)</i> <i>Welcome and Introductions</i>
10:25-11:00	Host Updates <i>Colorado Energy Office: Legislative updates relevant for K-12 Operations</i>
11:00-11:45	Energy Performance for Buildings and Building Performance CO <i>Colorado Energy Office & Touchstone IQ</i>
11:45-12:45	Lunch <i>Lunch Provided by: Touchstone IQ</i>
12:45-1:15	Approaches to Benchmarking through Dashboards <i>Touchstone IQ</i>
1:15-2:00	CASDEM Strategy & Business Discuss CASDEM as an organization Remainder of school-year planning

WELCOME & INTRODUCTIONS

Name

Organization & Role

Have you created your Energy Star Portfolio Manager account and begun creating Properties?



LEGISLATIVE UPDATES RELEVANT FOR K-12 OPERATIONS

**Host Updates – Colorado
Energy Office**

CASDEM September 2022 Meeting

FY22 Legislative Updates - Colorado Energy Office

[9.22.2022]



COLORADO
Energy Office

Colorado Energy Office: Mission & Vision



Mission

Reduce greenhouse gas emissions and consumer energy costs by advancing clean energy, energy efficiency and zero emission vehicles to benefit all Coloradans.



Vision

A prosperous, clean energy future for Colorado.

2022 Legislative Session Snapshot

- Over 25 bills advancing climate, air quality, renewable energy, resiliency, transportation & just transition
- These bills continue progress on Colorado Greenhouse Gas Pollution Reduction Roadmap, which is the state's strategic plan to achieve the statutory goal of:
 - 50% reduction in greenhouse gas (GHG) pollution from economy-wide emissions below 2005 levels by 2030
 - and a 90% reduction by 2050

[Detailed snapshot of the 2022 legislative session available here](#)



School Bus Electrification Grant Program

- \$65m to transition diesel buses to electric
- Prioritize vehicles in DI communities, ozone nonattainment areas, and high proportions of students receiving
- The program can cover charging infrastructure, buses and administrative costs for applying to both state and federal school bus programs
- Program will be offered by the Colorado Department of Public Health and Environment (CDPHE)
- For information on either program, or general school bus electrification questions, please email Matt Goble (Matthew.Goble@state.co.us)
- More information on [CDPHE website](#)



K-12 Energy Funding Resources

- The Colorado Energy Office's [Energy Performance Contracting Program](#)
- The Colorado Energy Office's [ReNew Our Schools Program](#)
- The Colorado Department of Education's [BEST Program](#)
- The Colorado Department of Public Health & Environment's [Supplemental Environmental Projects](#) offering
- Utility offerings (utility dependent so please contact your utility directly)
- The U.S. Department of Education's [Elementary & Secondary School Emergency Relief Fund](#)
- The IIJA's [Grants for energy improvements at public school facilities](#) offering.

[Review K-12 Resources on the CEO website here](#)



CDE: Office of Grants Program Administration (GPA)

- The [GPA Office](#) is dedicated to enhancing school improvement through federal and state grant opportunities.
- Offers support to students, teachers, and administrators in the application and funding process.
- Information on free Grant Writing Training

[Competitive Grants and Awards Forecast](#)



Grants for Energy Efficiency and Renewable Energy at Public School Facilities

- Office of State and Community Energy Programs
- Funding amount: \$500,000,000
- Period of Availability: Available until expended
- Funding Mechanism: Grant
- New Program: Yes
- Recipients: Consortium of One Local Education Agency and one or more Schools, Non-Profits, For-Profits, and Community Partners
- Description: To provide competitive grants to make energy efficiency, renewable energy, and alternative fueled vehicle upgrades and improvements at public schools.
- Eligible Uses: Energy efficiency (envelope, HVAC, lighting, controls, etc.), ventilation, renewable energy, alternative vehicles, and alternative fuel vehicle infrastructure improvements.
- Next Milestone: Estimated application opening date, 4th quarter 2022.

[Review DOE website here](#)



Action Plan for Building Better School Infrastructure

- Check out the [White House Briefing Room](#) for a complete summary of the Biden-Harris Administration's K-12 Infrastructure Action Plan
- Includes the release of [this useful school infrastructure toolkit](#)
- Details available Federal Funds from the following agencies:
 - U.S. Department of Agriculture
 - U.S. Department of Education
 - U.S. Department of Energy
 - U.S. Environmental Protection Agency
 - U.S. Department of Treasury

[Review of Federal and State Resources on DOE website available here](#)



State Clean Energy Grants

- [Public Building Electrification Program](#): Provide public buildings with funding to explore and implement building system electrification measures and infrastructure upgrades (CEO, \$10m)
- [Geothermal Energy Program](#): Support the use of zero-emission, geothermal energy for electricity generation and space/water heating and cooling in homes, businesses, and communities (CEO, \$12m)
- [Microgrids for Community Resilience Program](#): Build community resilience regarding electric grid disruptions through funding for the development of microgrids (DOLA & CEO, \$3.5m)
- [Energy/Mineral Impact Assistance Fund Grant](#): assist political subdivisions that are socially and/or economically impacted by the development, processing, or energy conversion of minerals and mineral fuels. (DOLA, \$25m per cycle, twice per year)



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COLORADO
Energy Office

Colorado's Building Benchmarking & Performance Policies

Crystal Egelkamp

Benchmarking & Building Performance Program Manager
Colorado Energy Office



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Colorado's Building Benchmarking Program

Building Performance Colorado (BPC)



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Achieving Colorado's Climate Goals



Colorado's GHG Pollution Reduction Roadmap

identified near-term actions the State could take to reduce GHG emissions economy wide 50% by 2030.

- ▷ One of the near-term actions identified to meet emission reductions in the building sector were building performance standards.

The “Energy Performance for Buildings” Statute (or [House Bill 21-1286](#)) established **building benchmarking and performance standards** for the building sector.

- ▷ The goal of this law is to help building owners increase energy efficiency, lower energy costs, and decrease greenhouse gas emissions in the building sector.



COLORADO
Energy Office

Building Performance Colorado: Program Overview

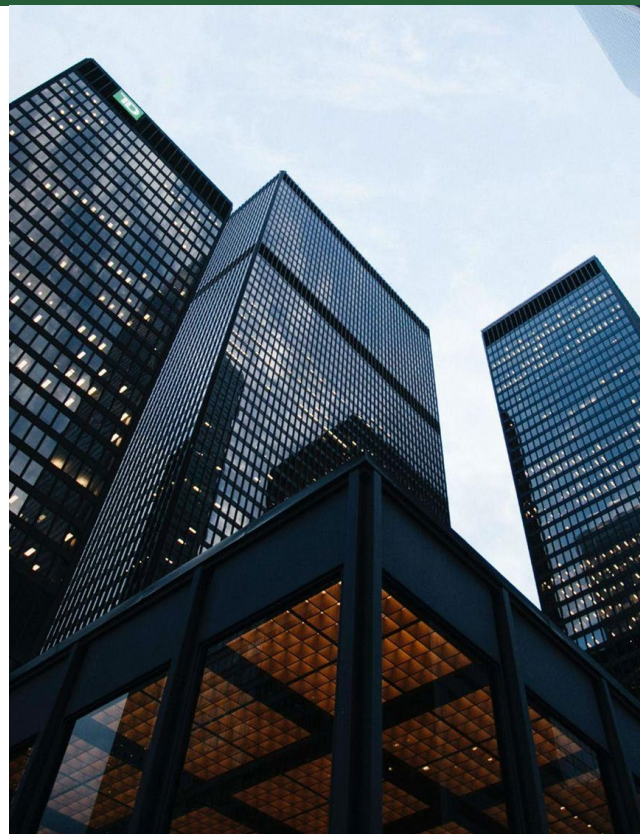
- ▷ House Bill 21-1286 required the Colorado Energy Office (CEO) to develop a statewide benchmarking program, now referred to as *Building Performance Colorado (BPC)*.
- ▷ This program requires commercial, multifamily and public buildings 50,000 square feet or larger to report their annual energy use to CEO.
- ▷ [Benchmarking](#) is simply the process of tracking a building's energy use through it's utility energy data and comparing the building's energy use to similar building types. Benchmarking turns the information on a utility bill into knowledge from which a building owner can act.
 - This program will assist building owners with benchmarking and understanding their annual energy use through **ENERGY STAR Portfolio Manager**, a free energy management tool used to track and assess energy consumption.

Building Performance Colorado: Program Benefits

- ▷ Benchmarking informs building owners about how they use energy and what drives their energy use. It is a key step in identifying opportunities to increase profitability by lowering energy and operating costs. ([EPA](#))
 - It empowers building owners to identify and prioritize efficiency upgrades that save energy, reduce costs, and lower greenhouse gas emissions.
- ▷ Buildings that consistently benchmark their energy use save ~2.4% in energy and energy costs per year. ([EnergyStar](#))
- ▷ Increases the value and marketability of buildings as they become more energy efficient.
- ▷ Provides opportunities to increase the workforce, especially towards younger generations.
- ▷ Colorado is the second state to implement a statewide benchmarking program, and joins multiple other CO cities with benchmarking ordinances.

Building Performance Colorado: Program Overview

- ▷ Reporting period opened on March 1st
- ▷ Colorado is working with [Touchstone IQ](#) to design and launch the program statewide
- ▷ Outreach to all covered building owners commenced in March 2022
 - Compiled this list through Tax Assessor data and local benchmarking program data
 - Still trying to fill in several gaps in the building list:
 - *Correct building information*
 - *Correct building owner information*
- ▷ To find out if a building you own is covered by Colorado's benchmarking requirements, please use this [Building ID Search Tool](#)



[Photo Source](#)

Building Performance Colorado: Waivers

Waivers:

- The covered building was unoccupied for at least thirty consecutive days of the year;
- A demolition permit was issued for the entire covered building;
- The covered building met one or more of the conditions for financial hardship;
- A building owner was not able to acquire whole building data because one or more of the tenants refused to provide consent;
- The covered building has four or more tenants, is not located within a qualifying utility's service territory, and is unable to get whole building data from the utility provider.

Exemptions:

- A storage facility, stand-alone parking garage, or airplane hangar that lacks heating and cooling;
- A single-family home, duplex, or triplex; OR
- A building in which more than half of the gross floor area is used for manufacturing, industrial, or agricultural purposes.

**Cannabis facilities are not exempt from this program.*

Waiver form [here](#)

Building Performance Colorado: Program Deadlines

What will the benchmarking report include?

Your report will include basic building and property use information, as well as a full 12 months of whole-building energy usage for the previous year.

What is the timeframe?

Reporting period is now open; 2021 energy use data is due on **December 1, 2022** (and on or before June 1 of each following year).

- Waiver, exemption, & time extension requests:
November 1st

How do I comply?

Submit a benchmarking report and pay the annual benchmarking fee of \$100 (per covered building).



BUILDING PERFORMANCE
COLORADO

Building Performance Colorado: How does this affect Higher Education?

K-12 is considered a public entity/building under HB 21-1286

- A public building is considered a covered building owned by the state, a local government, a district, or a special district regulated under title 32, a state or private institution of higher education, a school district, or a charter school.
 - *Does not include biomedical laboratories (laboratory used to conduct research relating to both biology and medicine).*

Public buildings are eligible to report as a campus.

- Campus (as defined in HB 21-1286) means a collection of two or more buildings that are owned and operated by the same person and that have a shared purpose and function as a single property.
- The following owners may comply at the campus-wide level:
 - The owner of multiple covered buildings that are part of a master metered group of buildings without submetering; and
 - The owner of a public building.

Public buildings are exempt from paying the annual benchmarking fee and are not subject to civil penalties.

Building Performance Colorado: How do I benchmark as a campus?

To ensure your campus is setup properly for compliance:

Contact the Building Performance Colorado (BPC) Help Center to provide a detailed campus layout:

- Take a screenshot of a bird's-eye-view map of your campus. Identify each building that is 50,000 square feet or larger by circling it in red. Label each building alphabetically (A,B,C, etc.).
- Download a copy of the campus setup template and fill out this [sheet](#) for each building.
- Once you have submitted the completed template and map to the BPC Help Center, we will update the database to structure your campus and confirm which ID you will use to report.

Building Performance Colorado: Resources

The BPC program and website has many resources to help building owners benchmark, especially for the first year. These resources include the following:

- ▷ Benchmarking requirements and program information
- ▷ Exemption and waiver request forms
- ▷ [Find your Building ID Tool](#)
- ▷ [Benchmarking 101 How-To Guide](#)
- ▷ [Benchmarking How-To Video Series](#)
- ▷ [Extensive FAQ section](#)
- ▷ [Compliance Map](#)
- ▷ Fully-staffed Help Center.

Building Performance Colorado: Trainings

Please see below for trainings, and visit www.buildingperformanceco.com/help to learn more or to register for a future training.

- ▷ **Thursday, September 29, 2022: 10 am - 12 pm MST** - Drop-in session - [Register here](#)
- ▷ **Tuesday, October 11, 2022: 10 am - 12 pm MST** - Drop-in session - [Register here](#)
- ▷ **Tuesday, October 18, 2022: 1 - 2 pm MST** - Benchmarking 101 - [Register here](#)
- ▷ **Thursday, October 27, 2022: 11 am - 12 pm MST** - Benchmarking 102 - [Register here](#)

If you have any questions, you can contact our Help Center:

Building Performance Colorado

benchmarking@buildingperformanceco.com

(888) 513-0353

buildingperformanceco.com



BUILDING PERFORMANCE
COLORADO

Building Performance Colorado: Questions

- ▷ Have you heard of the State's benchmarking program before today?
 - Do you benchmark for other programs in Boulder, Fort Collins, or Denver?
- ▷ Have you received any compliance notices from our program?
 - Are any of your buildings missing from our program?
- ▷ How many buildings in your district are 50,000 sq.ft. or larger?
- ▷ Have you benchmarked a building before?
- ▷ Do you have any concerns about benchmarking your building? What are the biggest obstacles?

Colorado's Building Performance Standards

Overview



COLORADO
Energy Office

Building Performance Standards

House Bill 21-1286 also established **building sector-wide GHG emission reduction targets of 7% by 2026 and 20% by 2030** (from a 2021 baseline), which will be met with Building Performance Standards (BPS).

- ▷ This means that building owners will need to meet certain BPS targets by 2026 and 2030.

[Building Performance Standards](#) create energy performance targets, such as specific levels of energy or GHG emission performance, for buildings to meet after a set amount of time.

- ▷ These standards help drive energy efficiency improvements and reduction in energy use and GHG emissions in building stock over time.

Colorado building owners **do not need to take any action** towards meeting the building performance standards until they go into effect after June 2023.

BPS Task Force

In order to help the State develop these building performance standards, House Bill 21-1286 directed CEO to convene a BPS Task Force comprised of 18 members that represented a variety of interests and expertise (right).

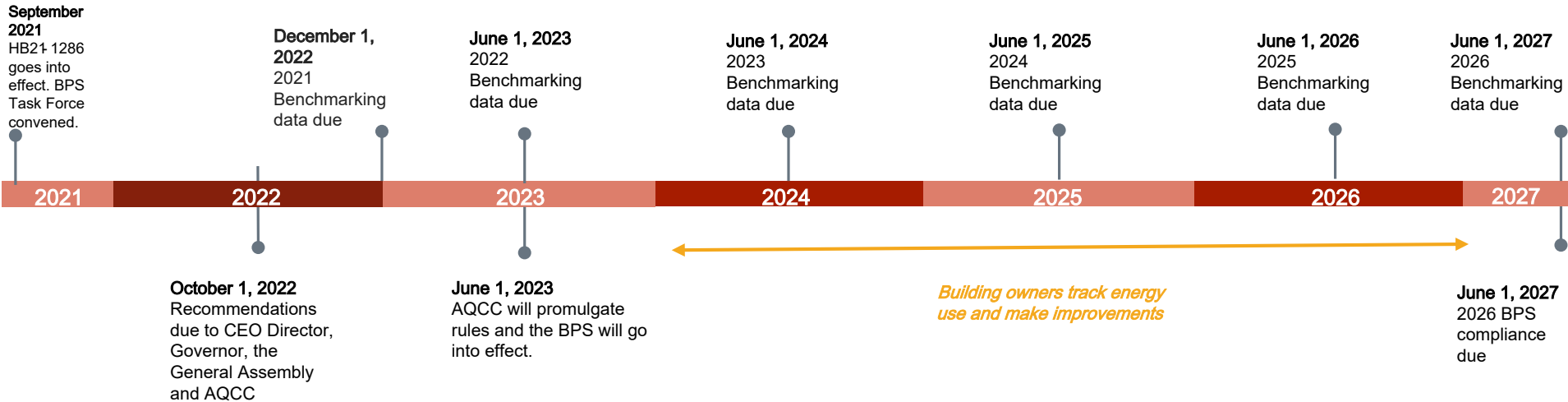
The BPS Task Force began meeting October 1, 2021 and will meet monthly to develop the recommendations.

The recommendations are due October 1, 2022 to the CEO Executive Director, the Governor, and the Air Quality Control Commission.

Category specified in statute	Seated member
Two members who are owners of commercial covered buildings or who represent owners of commercial covered buildings	Jim Hartman, Hartman Eli Investments Kathie Barstnar, NAIOP Colorado Chapter
One member who is a building operating engineer	John Lower, Newmark
One member who is an owner of a multifamily residential covered building or who represents owners of multifamily residential covered buildings	Stacey Baumgardner, Colorado State University
One member who represents an affordable housing organization	Norrie Boyd, Boulder County Housing Authority
One member representing developers, construction organizations, or building contractors	Michael Gifford, Associated General Contractors of Colorado
Two members who have direct experience in, or are members of organizations representing workers in mechanical, plumbing, or electrical work	Cecil Courtney, Pipefitters Local 208 Jennie Gonzales, International Brotherhood of Electrical Workers, Local #68
One member representing architects	Paul Hutton, Cuninghame Architecture
One member representing professional engineers with experience working on systems for buildings	Bill Green, RMH Group
One member representing an electric utility, a gas utility, or a combined electric and gas utility	Joel Danforth, United Power
Two members of environmental conservation or environmental justice groups with experience in energy efficiency or the built environment	Christine Brinker, Southwest Energy Efficiency Project Cara Carmichael, RMI
One member from a local government that has enacted or adopted a benchmarking or building energy performance ordinance or resolution	Katrina Managan, City and County of Denver, Office of Climate Action, Sustainability and Resiliency
One member from a local government that has not enacted or adopted a benchmarking or building energy performance ordinance or resolution	Karen Hancock, City of Aurora
Three members with relevant building performance expertise, as determined by the director of the office	Tracy Phillips, Sustainable Real Estate Solutions / Colorado C-PACE Bill Martin, Centura Health Kirk Longstein, Fort Collins Utilities

Colorado Building Performance Standard Timeline

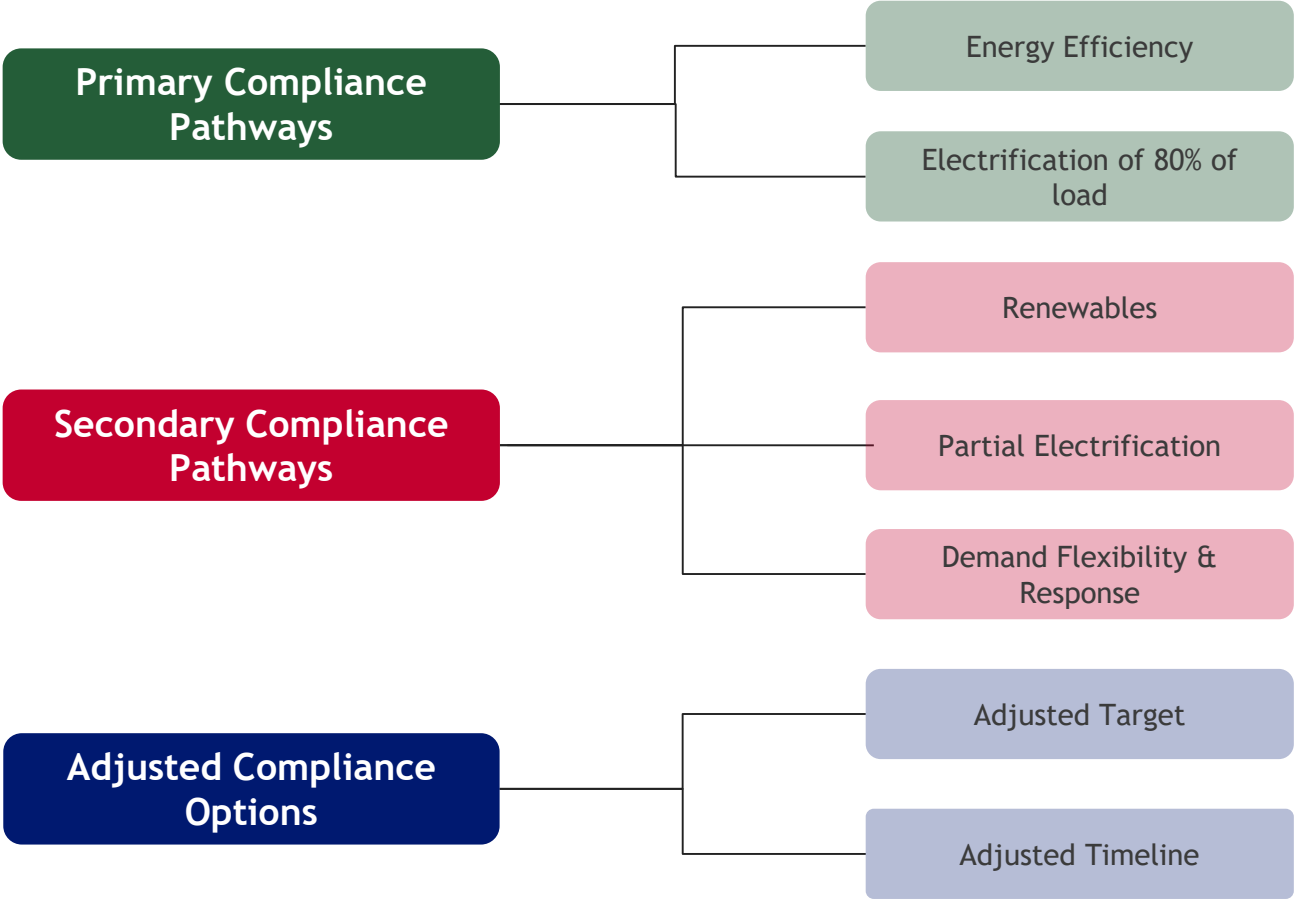
Benchmarking Deadlines



Building Performance Standards Deadlines

Building Performance Standards BPS Compliance Structure

The goal of these pathways is to provide flexibility in the approaches that building owners can take to meet the BPS and help achieve sector-wide GHG emissions reduction goals of 7% by 2026 and 20% by 2030.



Compliance Metrics

Energy Efficiency

Site EUI -

Demonstration with the energy efficiency compliance pathway for the BPS should use weather normalized property type site EUI target EUI as the metric for a building owner to report and demonstrate compliance.

Electrification

Percent of Load -

Demonstration with the electrification compliance pathway should show that a building is using highly efficient electric equipment and appliances to meet 80% of its space conditioning and water heating load.



Main Compliance Pathways for the BPS - Energy Efficiency

Building owners can achieve compliance with the BPS through Main Compliance Pathways, meaning that these pathways are available to all building owners and should be the primary way that building owners achieve compliance.

The primary method building owners should pursue for compliance with the BPS is increasing the **energy efficiency** of their building.

- ▷ Energy efficiency means using less energy in a building, such as through changing occupant behavior or employing energy conservation measures (i.e., turning off lighting or HVAC systems when not in use, etc.).
- ▷ Energy efficiency is a significant way to reduce energy waste, costs, and greenhouse gas pollution in buildings.

To help building owners track their energy efficiency improvements, the Site EUI metric will help building owners understand how their buildings are performing and where they are in regards to their performance target.

- ▷ A lower Site EUI signifies good energy performance.

Main Compliance Pathways for the BPS - Beneficial Electrification



The Task Force recommends that the AQCC encourage building owners to replace fossil fuel space and hot water heating equipment with efficient, electric technology, and to **grant full compliance with the EUI target if a building achieves 80% electrification of the space and water heating loads with high-efficiency electric equipment.**

Background:

- ▷ This recommendation encourages buildings to electrify space and water heating equipment, but does not require them to do so.
- ▷ If a building is using efficient electric equipment, this will help decrease a building's EUI while also greatly reducing its emissions.

Recommendations: Primary Compliance Pathways

Energy Efficiency

Building owners should reduce the energy consumption of their building through implementation of energy efficiency measures and/or technologies to meet the property type site EUI target as a primary compliance pathway for the BPS.

Electrification

BPS rules should encourage building owners to replace fossil fuel space and domestic hot water heating equipment with efficient, electric technologies. Building owners should earn full compliance with the BPS if they electrify 80% of their total fossil fuel energy by replacing equipment with high efficiency electric equipment.



Recommendations: Secondary Compliance Pathways

Renewables (RE)

Recommendation: BPS rules should consider appropriate level or amount of RE generation that should count towards compliance, and that any RE should meet the following conditions to receive credit:

- Building owner retains RECs or RECs are retired by the utility on behalf of the customer
- Located in Colorado, either onsite or offsite to the building
- Reflects changing carbon intensity of Colorado's electrical grid

Recommendation: BPS rules should provide an allowance for systems in service before adoption of final rules to be counted without RECs, unless building owner has the RECs.

Partial Electrification

Recommendation: BPS rules should encourage building owners to replace fossil fuel equipment with efficient, electric technologies, and should provide partial credit towards BPS compliance for that electrification, even if it does not meet the 80% threshold for primary compliance.

Demand Flexibility

Recommendation: AQCC develop rules that provide partial credit for participation in a utility demand response program or use of behind the meter technologies that reduce energy consumption for a building.

Recommendation: AQCC adopt rules that encourage demand flexibility integration in buildings (i.e., grid-interactive efficient buildings [GEB] technologies, building automation systems, grid interactive water heating, vehicle to grid, and electrical or thermal storage) and credit these programs once an industry standardized methodology has been determined.



Recommendations: Adjusted Compliance Options

Recommendation: The final BPS rules should allow compliance adjustment options for building owners and require a building owner seeking an adjustment option to apply to and provide documentation to CEO detailing why an adjustment is needed and a plan showing how the building owner will meet the adjusted compliance option.

Adjusted Timeline

Allow building owners to request an adjusted timeline to achieve compliance with the BPS.

Adjusted Target

Allow building owners to request a different property type EUI target.

Recommendations for Programs on Compliance, Workforce & Equity

Support for Program Compliance: work with various organizations to help develop programs that will support building owners in complying with the BPS requirements. These programs will provide resources, information, and tools to help building owners meet the requirements of the BPS.

Workforce: work with various organizations in the State to develop and support programs to ensure that there is a trained and prepared workforce to support the building improvements that will be required under the BPS.

Equity: work with various organizations in the State to help develop programs that will advance equitable outcomes through the implementation of the BPS. These programs to support equity will ensure that all Coloradans impacted by the BPS are not unduly burdened and are able to comply with the BPS requirements



Questions?

Please visit the Colorado Energy Office's [website](#) for more information about the BPS Task Force and the recommendations process.

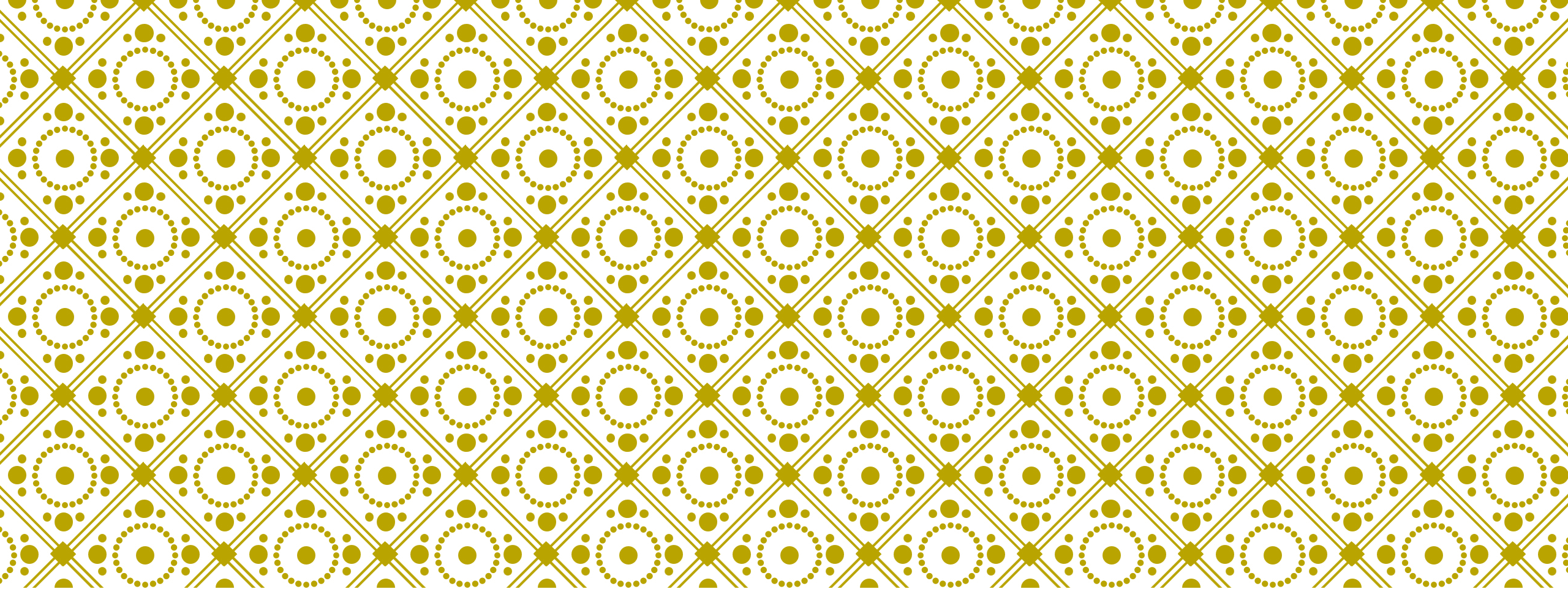
If you have any questions about the BPS recommendations or policy, please contact:

Crystal Egelkamp

Benchmarking & Building Performance Program Manager

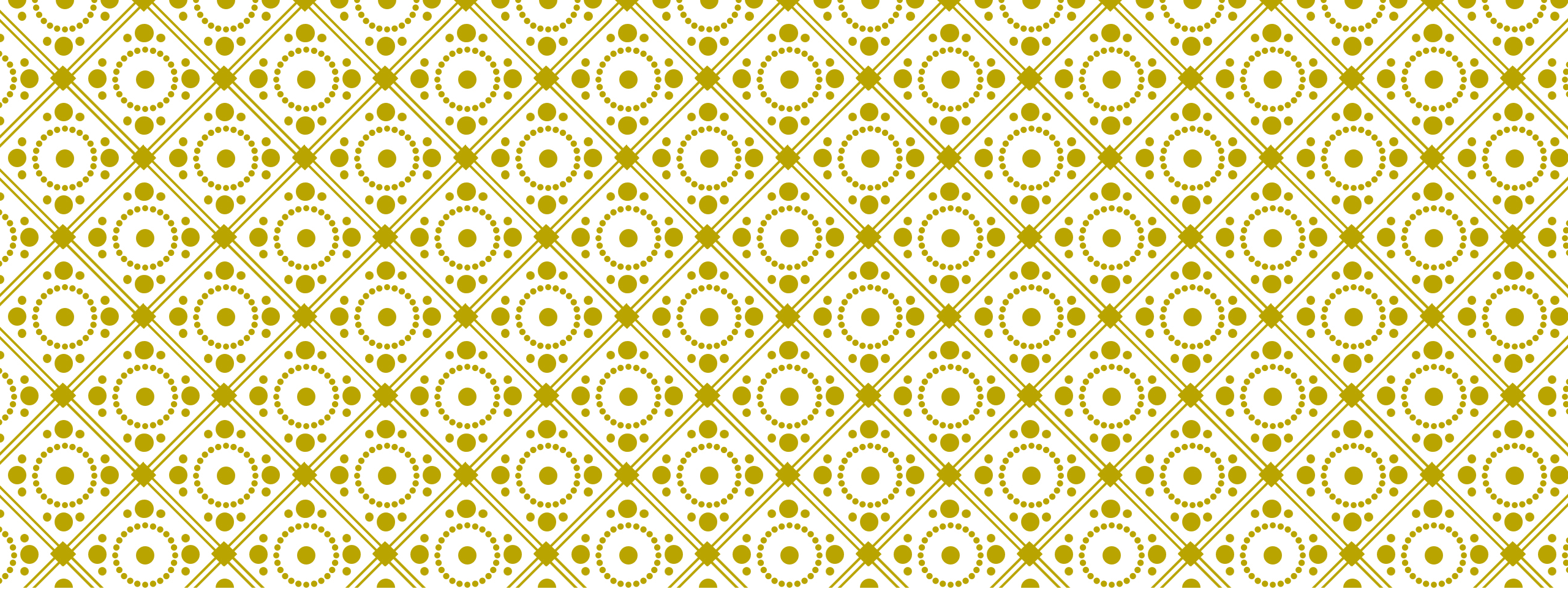
Colorado Energy Office

crystal.egelkamp@state.co.us



LUNCH – WE’LL RETURN AT 12:45

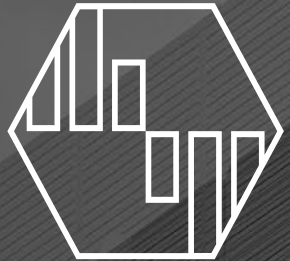
**Bio and Tech Break for our
online friends!**



THANK YOU TO OUR LUNCH SPONSOR!

**APPROACHES TO BENCHMARKING
THROUGH DASHBOARDS**

Touchstone IQ



TOUCHSTONE IQ

Approaches to Benchmarking through Dashboards

CASDEM September 2022 Meeting | September 22, 2022

Benchmarking Dashboards

- Monthly Consumption and Cost
- End-Use Breakdowns
- Building Groupings
- Comparison Metrics
- Scope 1 & 2 Emissions
- Q&A



Thank You

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Efficient and Healthy Schools Campaign

The campaign aims to engage K-12 schools to improve energy performance and indoor air quality, with a focus on practical solutions involving HVAC and other technologies to reduce energy use and carbon emissions. This campaign is led by the U.S. Department of Energy with technical support from Lawrence Berkeley National Laboratory.



Organizing partners:



Become a Participant or Supporter

- Access technical assistance and resources on best practices, guidance, case studies, and webinars
- Campaign participants can receive recognition for their exemplary efforts to improve energy efficiency and indoor air quality
- Campaign supporters are encouraged to share and promote goals and benefits of efficient and healthy schools

Engaging K-12 Schools to Improve Energy Efficiency and Indoor Air Quality

The Efficient and Healthy Schools campaign will engage schools—especially those serving low-income student populations—to reduce energy costs and improve energy efficiency and indoor air quality. The campaign aims to connect schools with practical solutions to heating, ventilation and air conditioning (HVAC) systems and other technologies. Its goal is to reduce energy use, lower carbon emissions and promote a healthy learning environment by enabling good indoor air quality.

PARTICIPANT

As participants, schools will:

- Stay informed by receiving newsletter.
- Engage in peer-to-peer learning.
- Participate in the development of technical resources to simplify and scale solutions that improve energy performance and indoor air quality.

Participating schools can receive recognition for their exemplary efforts to improve energy efficiency and indoor air quality through operation and maintenance, HVAC upgrades and replacement, ongoing monitoring and data analytics, and support for a culture for efficient healthy school buildings.

SUPPORTER

The campaign plans to engage supporters such as designers, engineers, consultants, program implementers, and others that work with K-12 schools.

As supporters, organizations will:

- Help us share the benefits of efficient and healthy school buildings.
- Partner with the campaign team to promote improvements in K-12 schools.
- Receive public recognition for your support.
- Share and promote existing resources, programs and tools.

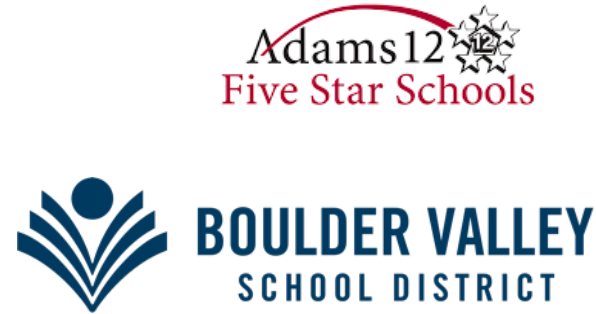
Recognition Program: 2021 Round One

The Efficient and Healthy Schools Campaign aims to recognize schools and school districts that have implemented exemplary solutions involving HVAC upgrades and other approaches to reduce energy costs, and improve energy efficiency and indoor air quality.



Areas for Recognition

- HVAC inspection and maintenance for IAQ
- Efficient HVAC for indoor environmental quality
- Ongoing monitoring and analytics for HVAC performance
- Team approach to support strategic investments in efficient and healthy schools



Campaign – Looking ahead

- New recognition categories will be announced soon
- Encourage participants to reach out to Campaign for technical assistance and resources
- Examples toolkits from Better Buildings:
 - [Energy Savings Performance Contracting \(ESPC\) Toolkit](#)
 - [Rooftop Air Conditioning Unit Evaluation Methodology](#)
 - [K-12 Lighting Toolkit](#)
 - [Smart Energy Analytics Campaign Toolkit](#)
 - [Low Carbon Technology Strategies Toolkit](#)

Financing Efficient and Healthy Retrofits

Buildings

Buildings » Financing Efficient and Healthy Retrofits

By making a commitment to high-performance schools, many school districts are discovering that smart energy choices can have lasting benefits for their students, their communities, and the environment. School districts saving money through energy efficiency can free up funds to hire more teachers, purchase more textbooks and computers, or invest in additional high-performance facilities. Beyond these bottom-line benefits, schools can realize improved overall student health, decrease absenteeism, and better serve as community centers.

Participants and Supporters Summary, July 2022

School District Participants: 42

Supporters:

State/Regional Agencies: 18

Industry Organizations: 16

Consultant/Manufacturer/Vendors: 51

Early Education/PTA: 4

Research/Academia: 4

**Needs assessment meetings or energy
technical consulting, combined: 23 total**

Webinars held: 4

Webinar engagement: 857 sign ups

Distribution list: 966 contacts

**Email open rate (newsletter, webinar
announcements): 43%**



**EFFICIENT AND
HEALTHY SCHOOLS**

Join us today!

Contact us at efficient.healthy.schools@ee.doe.gov

CASDEM BUSINESS

We still need hosts for the following:

Nov 17th, 2022 – DOE/NREL

Jan 26th, 2023 – DPS/Long (?)

Mar 23rd, 2023

May 11th, 2023 – Mesa SD (check other dates)

CASDEM STRATEGY — WHERE WE'VE BEEN

17 different past chairs

18 different past school district hosts

Other past hosts

- Xcel Energy
- Colorado Energy Office
- NREL
- CASBO

CASDEM STRATEGY — HOW WE'RE BUILT

Non-formalized structure (not a 501c3, etc.)

Existing By-laws

3-person Board (Chair, Vice Chair, Webmaster/Secretary)

Non-formal members (no dues, no commitment, etc.)

Existing website; fees covered by rotating school districts

CASDEM STRATEGY – WHAT WE DO

The Colorado Association of School District Energy Managers was originally formed to provide a network for public school district employees responsible for energy management. CASDEM recognizes that school district energy managers today have broader responsibilities for climate, environment, and people; now defined as Sustainability.

Convene energy, resource, and sustainability managers across the state

- plus counties and schools in other states!

Organize 5 meetings per year

- historically primarily in-person....new approaches post-COVID!

Compile school district utility data annually

- voluntary activity, inconsistencies as personnel changes happen



CASDEM STRATEGY — WHO WE ARE

Energy and Resource Managers

Individuals to teams

Front Range, Central Mountains, Rural, Western Slope

Small to large districts

CASDEM STRATEGY — LEADERSHIP INTENTIONS

25th year of supporting school district energy managers!

- Where to now?

Develop leadership plan

- During CASDEM mtg or separate sub-committee? All folks may not work in the same ways.

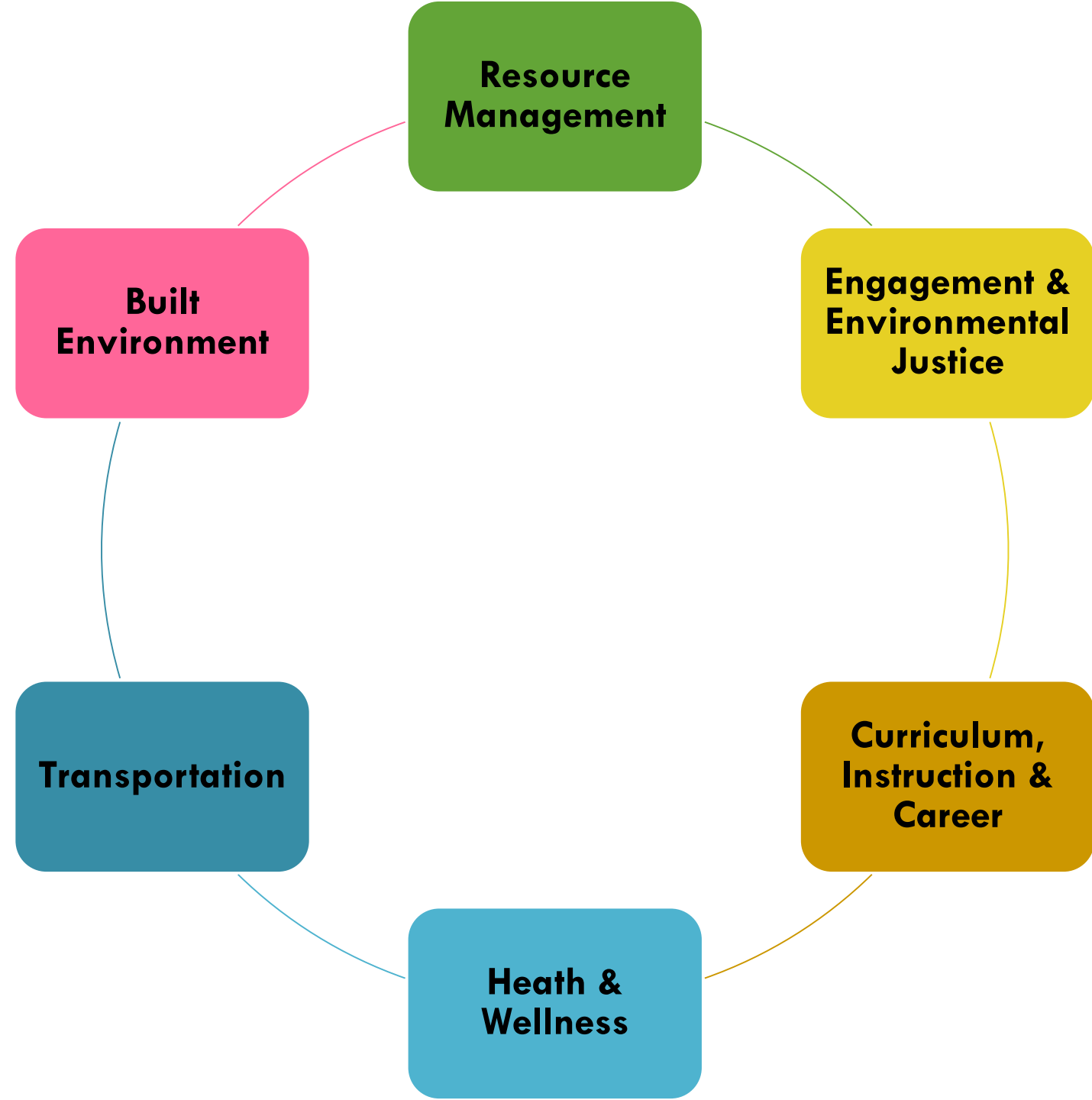
1-yr timeframe

Grow the network

Create framework for CASDEM's efforts

Define a cohesive 'north star' for all members to support each other for the greater good of Colorado students and communities

CASDEM STRATEGY – DRAFT FRAMEWORK

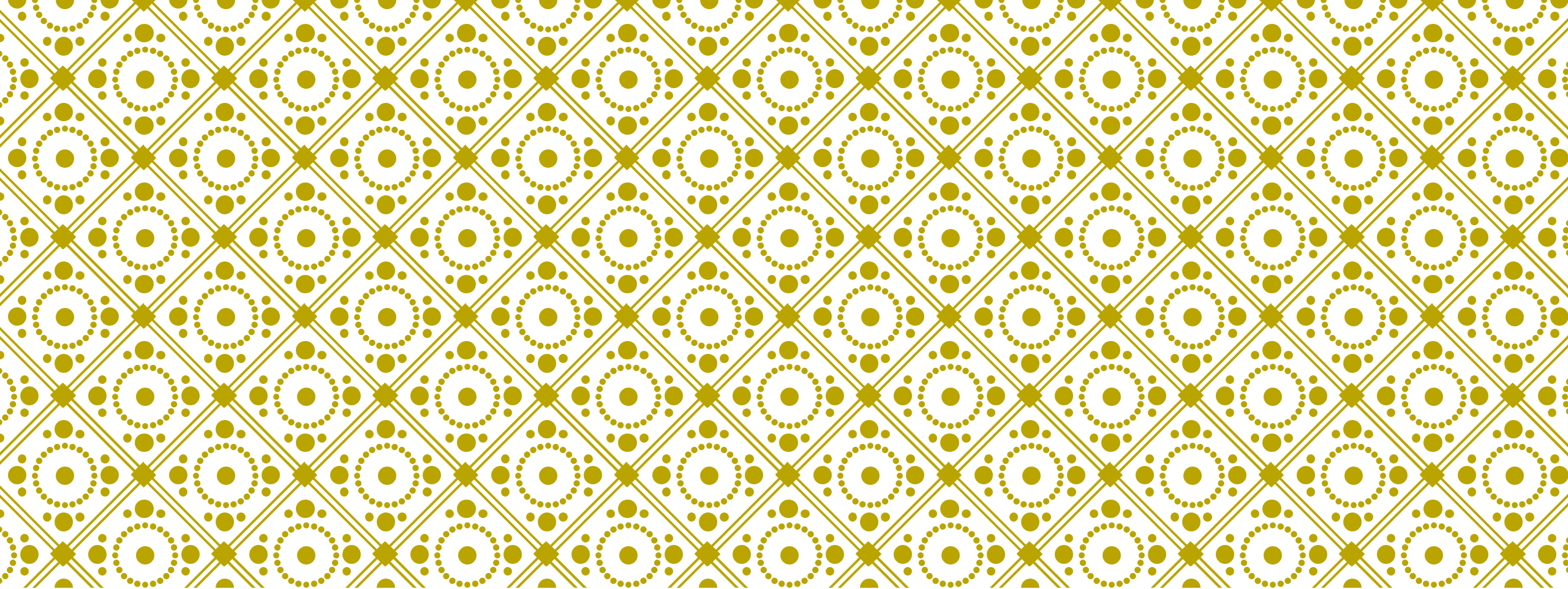


CASDEM STRATEGY — NEXT STEPS

What is your personal or professional ‘why’?

Does a collective framework and/or cohesive vision make sense for CASDEM?

- Want to ensure this is a tailored approach, recognizing each school district has their respective financial and cultural environment.



GREAT TO SEE YOU ALL!

Next mtg: **November 17, 2022**