



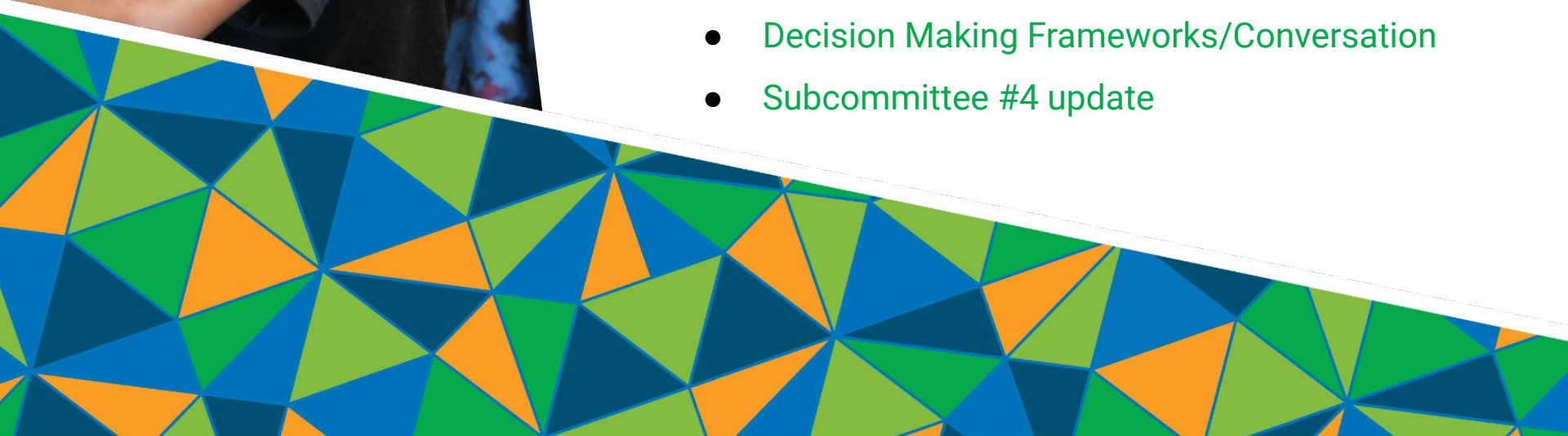
2024 Bond Planning - Safe & Welcoming Environments

Subcommittee Meeting #4
April 9, 2024



Agenda


- Land Acknowledgement
- Public Comment
- Subcommittee Logistics
- Air Conditioning Recap
- Climate and Safety Overview
- Decision Making Frameworks/Conversation
- Subcommittee #4 update





Land Acknowledgement

“In the Spirit of Truth and Reconciliation, Denver Public Schools acknowledges that we are gathered today in our schools on the ancestral land of the Cheyenne and Arapahoe Nations. This area was also the site of trade, hunting, gathering, and healing for many other Native Nations: The Ute, Lakota, Kiowa, Comanche, Apache, Shoshone, and many other native nations. We also acknowledge that our country was built with stolen labor, and the generational wealth which was created by the hands and backs of enslaved people was kept from them while enriching others.”



Public Comment



20 minutes total

Time Limits: 2 minutes/person or 6 minutes/group



Subcommittee Logistics

Meeting Schedule

Topic	Overview & Investment Priorities	Technology Investments Priorities	Air Conditioning Investment Priorities	Safety Investment Priorities	Finalize Package
Date	Tuesday, February 13 th	Monday, March 4 th	Wednesday, March 13 th	Tuesday, April 9 th	Monday, April 29 th
Time	5:30 to 7:30 p.m.	5:30 to 7:30 p.m.	5:30 to 8:30 p.m.	5:30 to 8:30 p.m.	5:30 to 9:00 p.m.
Location	Thomas Jefferson High School	Northfield High School	North High School	Swansea Elementary	Lake Middle School
Agenda	<ul style="list-style-type: none"> • Public Comment • Introductions and Committee Overview • Current State • Bond Recap • Subcommittee Category Overview 	<ul style="list-style-type: none"> • Public Comment • Quick Recap of First Meeting • Technology Overview & Decision making 	<ul style="list-style-type: none"> • Public Comment • Technology Recap • Air Conditioning Details & Decision making 	<ul style="list-style-type: none"> • Public Comment • Air Conditioning Recap • Safety details & Decision making • Prioritization preparation 	<ul style="list-style-type: none"> • Public Comment • Finalize Recommendation • Recommend Additional Funding Spend

There may be a need for a 6th meeting, depending on how quickly the committee can come to consensus



Technology Recap

[Questions from CPAC Technology Group 3/4/24](#)

Air Conditioning Recap

Questions and Answers from
previous meeting

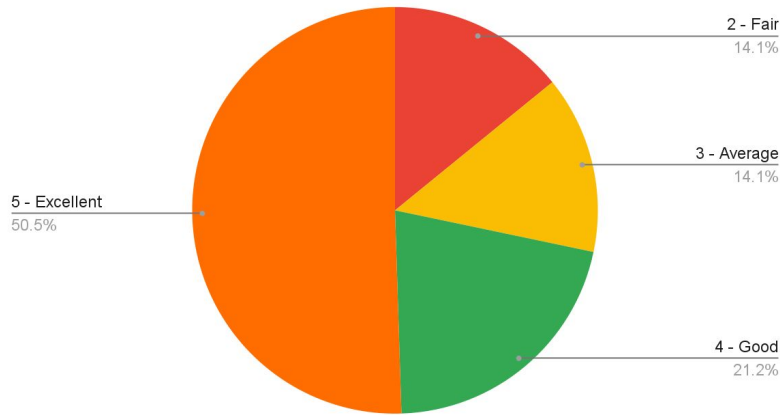
[Questions from CPAC A/C Group 3/13/24](#)



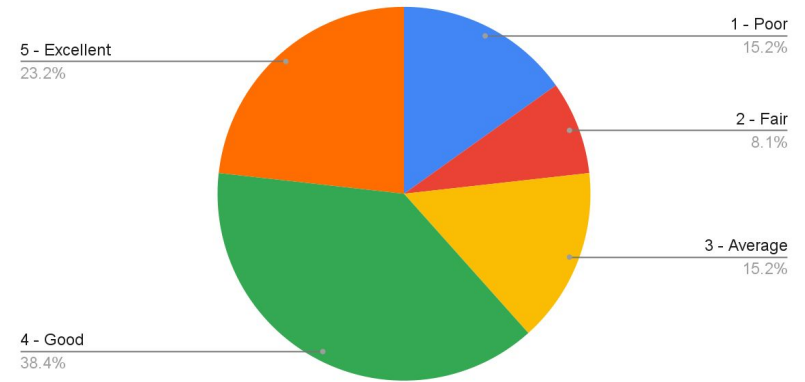
AC Survey Results

S&WE Meeting #3 (14 Participants)

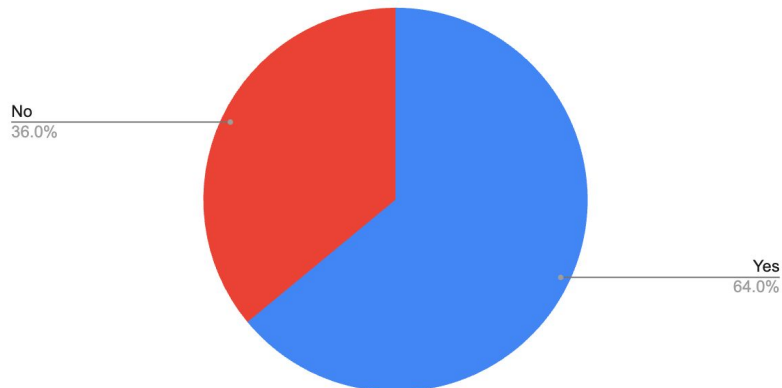
Do you have a good understanding of the Air Conditioning ask?



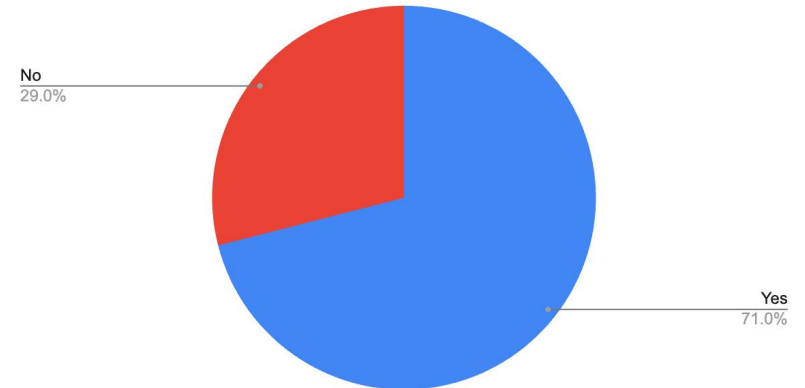
Do you support the recommendations of the projects presented by the Air Conditioning ask?



Are you comfortable with DPS moving forward with the recommendation on the 13 climate-conscience A/C projects?



Do you feel comfortable with the previous 2020 CPAC ranking for the recommended schools to receive A/C?



Air Conditioning Recap

Poll





Safety in Denver Public Schools

Safety in Denver Public Schools

DPS Long-Term Operational Safety Plan

- ❑ **Personal Conditions** - Personal conditions outline the ways in which DPS prioritizes not just physical safety for students and adults, but psychological safety as well.
- ❑ **School Conditions** - School conditions cultivate a safe and welcoming climate and culture throughout the school. Includes connectedness, and a sense of belonging.
- ❑ **System Conditions** - Systems and structures that support the efforts to promote safety and youth resilience, both within the school system, and through collaboration with the city and community partners to address the issues that are outside of the district's direct influence.

To view the Long-Term Operational Safety Plan, go [here](#).



Recapping Safety in DPS

Layered Approach - 8 Essential Areas

Of the 8 essential areas, 3 can be prioritized in this Bond as Capitalized improvements.

- ✓ 1. Risk Assessment and Planning
- ✓ 2. Physical Security Measures
- ✓ 3. Technology Integration
- ✓ 4. Communication Systems
- ✓ 5. Dedicated Safety Staff
- ✓ 6. Training and Preparedness
- ✓ 7. Mental Health and Counseling Services
- ✓ 8. Community Engagement and Partnerships



Safety in DPS

Layered Approach - 8 Essential Areas

1. **Risk Assessment and Planning:** An ongoing practice of conducting a comprehensive risk assessment is essential. This allows us to identify potential vulnerabilities and threats specific to the school environment.
2. **Physical Security Measures:** Having appropriate physical security measures including, fencing, lockable doors and controlled entrance. These enhancements to physical security of our school campus' can help deter intruders and external threats.
3. **Technology Integration:** Leveraging safety technology solutions which can enhance the efficiency and effectiveness of school safety. Access control systems, security cameras, student device monitoring.
4. **Communication Systems:** Establishing reliable communication systems is essential for facilitating timely alerts and notifications during emergencies. May include, public address (PA), strobe lights marquee boards, wearable technology, text and email notifications.



Safety in DPS - continued

Layered Approach - 8 Essential Areas

5. **Safety Professionals:** Dedicated and well trained staff.
6. **Training and Preparedness:** Ongoing training and preparedness initiatives for staff, students, and administrators is crucial for ensuring they know how to respond effectively during emergencies.
7. **Mental Health and Counseling Services:** Addressing the mental health and well-being of students is vital for preventing violence and supporting individuals who may be at risk of self-harm or intent on harming others.
8. **Community Engagement and Partnerships:** Building strong partnerships with Denver Police and Fire Departments, Denver Health, Colorado Office of Schools Safety, parents, community organizations, and stakeholders is critical for enhancing school safety and security.



Department of Climate and Safety (DoCS):

Administration

Command Staff

Campus Safety

Campus Safety Officers
Crossing Guards

Patrol Operations

Patrol Officers
Dispatch
Training

Climate and Support

Bullying Prevention
Climate & Culture
Youth Violence Prevention
Emergency Management





Previous Bond Investment in Safety

Previous Bond Investments

2016 Highlights

Alarm Systems - Upgrade the alarm system (Fire and Intrusion) district wide. Eliminated the use of deteriorating and unsupported copper wire.

- \$900,000

Radio Purchase - Purchased radios for CSO communication. Included gateways, antennas, handheld radios, chargers, and other hardware.

- \$1.7 Million

2020 Highlights

Security Cameras - Add new and replace existing security cameras district wide (Analogue to Digital)

- \$1.7 Million

Access Control - Addition of the technology to help with access control including door contacts hardware.

- \$3.2 Million

Visitor Management - School based system for improved access control and visitor tracking

- \$1.7 Million

2020 Premium Highlights

Department of Safety Dispatch Upgrades-

- Computer Aided Dispatch (CAD)
- Update Dispatch Center
- Phone System Improvement

Secondary Dispatch Location

- Continuity of Operation

Radio Improvements - Move Campus Safety Officers to the City's Public Safety Radio System

Replace Doors- 118 Single and 88 Double

Key Control Technology

East Secure Vestibule

- Total \$5.034 Million



2024 Bond Recommendations



2024 Recommended Bond Projects

Infrastructure

Technology

Systems



Infrastructure: Secure Vestibule



What is a Secure Vestibule? A secure vestibule is an entry ways within the school that consist of a minimum: controlled entry point, contained screening area (satellite desk, office area, transaction window), camera coverage, access control methods, and visitor screening.

*Example does not depict an actual school.
Square footage of vestibules are approximate.

Thermal vs. Secure Vestibule

Conversion of the main entrance of a school to allow a layered approach with access control and visitor management capabilities.

Thermal Vestibule

Two sets of doors that contains an entryway into the school



Security Vestibule

- Intercom and Cameras
- Access Control
 - Card readers
- Transaction window
- Visitor Screening
- Laminate Glass

Project: Secure Vestibules - ~\$6.4 M

Prioritization methods -

- Calls for Service -
- Geographic Location -
- Existing Infrastructure or Technology

Prioritization Ranking -

1 East **	7 Farrell B Howell
2 Lincoln	8 Hamilton
3 Manual	9 Grant Ranch
4 George Washington	10 Florida Pitt Waller
5 Lake	11 Cole
6 DC 21	12 North

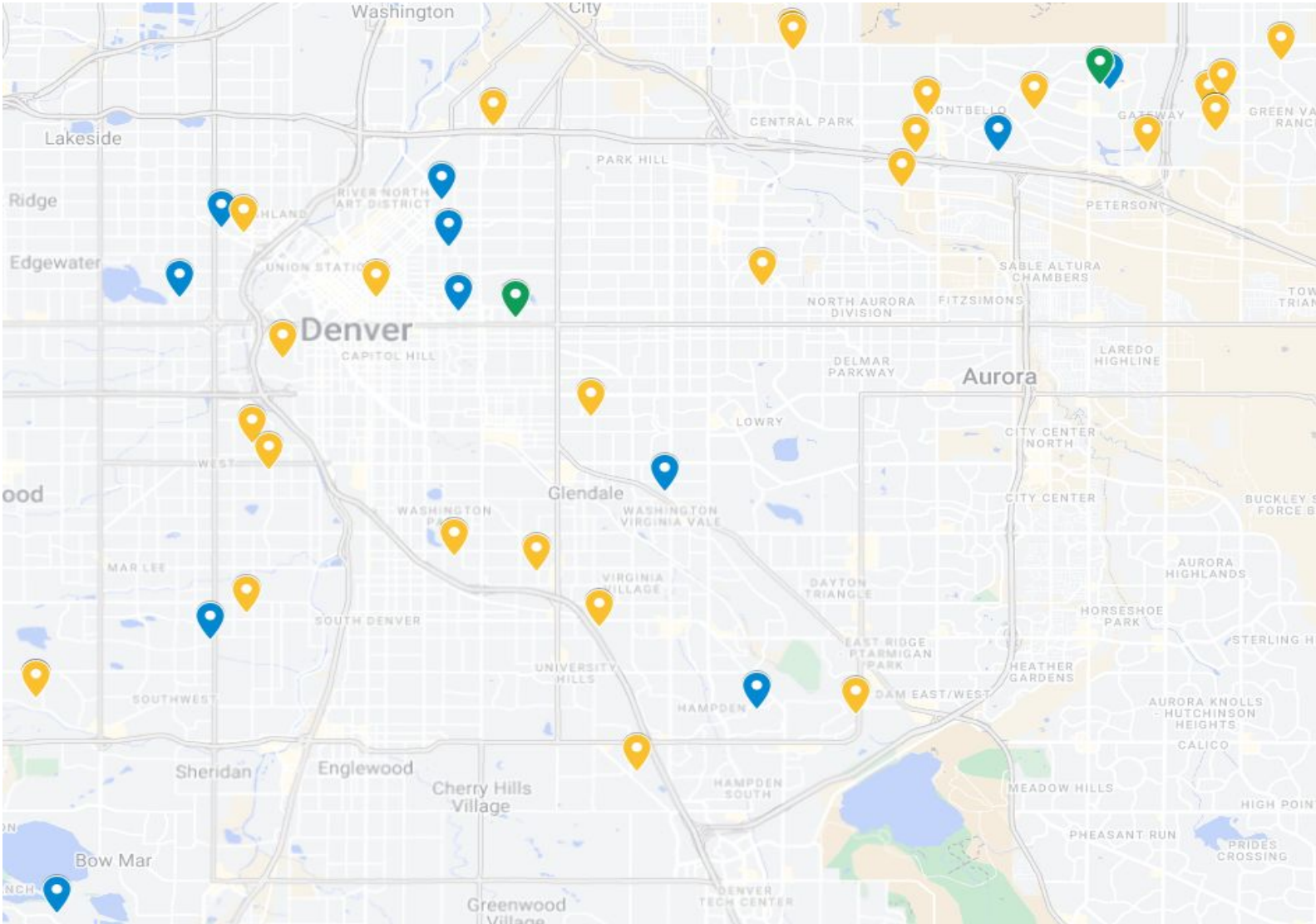
\$400K direct costs + \$178K soft costs = \$587K per vestibule

** East Secure Vestibule approved for 2020 Bond Premium by Bond Oversight Committee



Secure Vestibules

-  **Proposed Vestibules (11)**
-  **In Progress Vestibules (2)**
-  **Completed Vestibules (26)**



Secure Vestibules - Locations

<i>School</i>
Academy 360
Creative Challenge Community
Downtown Denver Expeditionary School
DSST: Conservatory Green HS
DSST: Conservatory Green MS
DSST: Green Valley Ranch HS
DSST: Montview MS
Florence Crittenton HS
Highline Academy Northeast
Highline Academy Southeast
Isabella Bird Community School
Joe Shoemaker
John F Kennedy HS
KIPP Northeast Denver Leadership Academy
KIPP Northeast Denver MS
KIPP Sunshine Peak Academy
Montbello Career and Technical HS
Northeast Early College
Northfield HS
Rocky Mountain PREP - Ruby Hill
South HS
Stedman
Swansea
Thomas Jefferson HS
Valdez Elementary
Colorado High School Charter

<i>School</i>	<i>Status</i>
North	Proposed
Lincoln	Proposed
George Washington	Proposed
Lake	Proposed
Manual	Proposed
Howell	Proposed
Hamilton	Proposed
Grant Ranch	Proposed
Florida Pitt Waller	Proposed
DC21	Proposed
Cole	Proposed
East	In Progress
Montbello MS	In Progress
Dr. MLK	In Progress

Project: Safety System - ~ \$11.4 M

Weapons Detection System - \$3.8M A touchless screening technology which requires screening of students, staff and visitors at the point of entry into schools.

Crisis Communication Platform - \$2.5M This technology will allow students and staff the ability to communicate during a school emergency. Technology could include a scannable “QR” code, wearable duress button or other smart technology.

Access Control System - \$148K Refresh and future proof current access control systems and technology. Includes individual staff access cards, update intercom systems, and door related technology and hardware.

Visitor Management System - \$387K Continue with visitor management and screening. Refresh hardware (scanners and printers) and support the school based system for improved visitor tracking.

Camera Platform - \$3M Update the Video Management System (VMS) to include software, server hardware and incorporate technological advances to the camera system. Includes patrol officer body worn camera refresh.

Balarat - \$65K - Upgrade gate at camp entrance, signage and improve camp PA.

EOL Technology - \$1.5M Continuous Safety updates, MDTs, computers, and other End of Life safety technology



Below the Line:

- ❑ Door and Window Improvements - Laminate film is installed on the exterior facing ground floor doors and windows. Designed to strengthen the glass and prevent breakage and intrusion.
 - ❑ \$11.5 million (all schools, excluding Montbello & Ceylon campuses)

- ❑ Secure Vestibule - Continuing with our prioritization model, identify additional schools where adding a secure vestibule could increase .
 - ❑ \$578,000 per vestibule
 - ❑ List of additional schools

Academy of Urban Learning (AUL)	Bruce Randolph	Contemporary Learning Academy (CLA)
Kepner Beacon	Maxwell	University Prep

Question and Answer





Decision Making Frameworks/Conversation

Equity Index

Approach to Equity - Equity Index

As prioritization was evaluated, we used a method to evaluate district-wide equity and equality through an Equity Index that defines a baseline for ALL schools/programs with greater rigor beyond family income.

Student Equity- Providing the resources that students need for success. For measuring student equity, we used the following index:

$$\frac{\text{School \% High Poverty} + \% \text{English Learner} + \% \text{SPED} + \% \text{Volatility}}{\text{District Average \% High Poverty} + \% \text{English Learner} + \% \text{SPED} + \% \text{Volatility}}$$

This is in line with how DPS allocates student-based funding.

What is the Data?

- District average Equity Index (EI) is 1.0
- You can read an EI of 1.1 as that school having 10% above average population of students with greater needs. An EI of 0.7 indicates that school has 30% smaller than average population of harder-to-serve students.



BOC Prioritization Matrix

Category	Weight	0	1	2	3
Life / Safety – Ability for School to Safely Operate	3x	Critical Maintenance/ Facility Does not impact safety	Addresses a life / safety concern that is low priority and does not impact the school's ability to operate	Addresses a life / safety concern that is a medium priority due to the risk of impacting a school's ability to operate	Addresses critical safety violation that directly risks a school's ability to operate
		Code or ADA Does not impact code or ADA	Addresses a low priority code or ADA issue under which DPS has no obligations and presents no negative impacts to students	Addresses a low or medium priority code or ADA issue under which DPS has no obligations but remedying would present a positive student impact	Addresses a high priority code or ADA issue in which DPS has an obligation to remedy the issue and/or would significantly improve the student experience
		Student Safety Does not impact student safety/Mental and Behavioral Health	The project improves student safety/Mental and Behavioral Health (Nice to have)	Project expands existing student safety/Mental and Behavioral Health investment that is working and/or invests in piloting new work	Project will bring DPS facilities into compliance with evolving standards for student safety/Mental and Behavioral Health
Supporting Value of Equity	2x	The school has an equity index <0.5	Equity index between 0.51 - 1.0	Equity index between 1.01 - 1.5	Equity index > 1.51
Aligned with Instructional Priorities	2x	The project does not impact instruction and academics	The project will improve the student learning environment	The project improves the learning environment and supports new/different instruction	The project directly supports instruction and will support student learning
Time Sensitivity	1x	The project can wait for a future capital request without negatively impacting student experience	The project can wait for a future capital request but would positively impact student experience	The project would enhance the student experience in the near term and/or there is a risk of future cost being significantly higher beyond the rate of construction inflation	The project cannot wait for future funding and the district will fund elsewhere if not from premium to the detriment of other district funded programs

Subcommittee Meeting #5

Meeting Topics: Safety Recap & Prioritization



Logistics:

Lake Middle School
1820 Lowell Blvd, Denver, CO 80204
Wednesday, April 29th
5:30 pm – 9:00 pm

Appendix



Project: Secure Vestibules

Intercom and Camera

- Needs to be a camera focused on and covering the entirety of the secure vestibule
 - Can be either interior or exterior
- Camera intercom system mounted to the exterior of the building adjacent to the entrance
 - Camera is linked to a video phone located at the access control desk

Access Control

- Badge scanner located adjacent to the exterior door
- Badge reader on interior of vestibule on secondary doors
- If the secure vestibule has access to the school office a 3rd card reader is necessary for this door
- Electronic door release for any door equipped with an card badge scanner
 - Controlled by video phone

Transaction window

- For those schools where no direct access to the main office is possible, a transaction window is appropriate
- Optional: For locations where it is possible to place a door directly into the office, this solution should be explored for the possibility of both a transaction window and a door.

Visitor Screening

- A desk should be incorporated in the design.
 - This desk should have line of sight to the exterior of the school and the interior of the vestibule allowing for easy natural surveillance from the vestibule staff.
 - Windows may be necessary to accomplish this
 - A duress button should be installed at the vestibule staff desk
 - A camera should be installed to view the location of the duress button
- Visitor screening program should be available inside of the vestibule allowing operation of the system without physical contact between the visitor and school employee
 - This can be accomplished by the visitor handing identification through a transaction drawer or slot in the transaction window OR having the visitor management equipment in the vestibule and having the visitor scan their own ID (this option requires power outlet in the vestibule)

Laminate Glass

- Ballistic laminate should be applied to all glass on doors and transaction windows.
- Riot rated laminate should be applied to all adjacent glass

Sub-Committee Decision Making

Unallocated & Committee Prioritized Funds

Base Recommendation

Subcommittee will create a recommendation based on the allocation for Safe & Welcoming Environments

Guardrails - must stay within dollar threshold; must come to a consensus on all project changes

Not all projects will be able to fit into the base recommendation

Additional Priorities

Subcommittee will then identify additional priorities, not included in their base recommendation, that they recommend be included in the overall bond package

Full CPAC Package

The full CPAC will review the additional priorities that subcommittees present and vote on which projects to include in the full bond package

Role of this Committee

CPAC

- Review and understand the methodology used to prioritize needs and recommendations for each category
- Provide feedback to the team for categories with multiple options
- Recommend project selection within each category
- Recommend allocation for potential additional funding
- Advocate to the public for facility and school needs

DPS

- Provide current condition of DPS buildings and vision for Facility Maintenance and Planning, Design, & Construction
- Detail assessment process used and prioritization criteria for each category
- Communicate with complete transparency
- Timely delivery of data and information

The recommendation is based on DPS's commitment to student achievement, multiple assessments, the Board of Education & the Strategic Roadmap. The committees are responsible for taking these recommendations and prioritizing projects above or below the line that will be presented to the full CPAC.

Initial Overview of Bond Investments

Safe & Welcoming Environments	Safety Technology Air Conditioning	\$312 Million <ul style="list-style-type: none">• Vestibules, Door Access, Safety Systems• Classroom Tech., Network Infrastructure & Systems• Full Air Conditioning
Pursuit of Passion	Arts Athletics Innovation	\$113 Million <ul style="list-style-type: none">• Stage Renovations & Production• Regional Facilities, 21st Century Updates & Athletic Upgrades• CTE FNE & SW Centers & STEAM Mobile Buses
Enabling Conditions	Capacity Maintenance Quality Learning Environments	\$510 Million <ul style="list-style-type: none">• New Buildings• Critical Maintenance, ADA Code, & Facility Life Safety• Improved Learning Environments

District Critical Priorities:

Gateway K-5

Sandoval Campus Auditorium
and Health Center

ADA/Code

**Undetermined
Projects Funds:**

\$40 Million



Prioritization Criteria

Grounding questions to consider:

- How can this best support the Strategic Roadmap?
- Does this put students first?
- Will this help improve student outcomes?
- How will this contribute to the the District Climate Action Plan?
- Does this support or enable equity?
- Is this essential for school safety?
- Does this address short-term needs?
- Does this address long-term needs?
- What are the alternatives? (i.e. what if we don't do anything? other choices?)
- What is 'non-discretionary' vs. discretionary?
- *Others?*

Rank:

- Is this important? (rank 1-5)
- Is this urgent? (rank 1-5)



Students Impacted

Building	Projected Enrollment (ECE-12)	Planning Regions
Skinner	652	NW
Cory	404	SE
Asbury	281	SE
Remington	166	NW
Ellis	392	SE
Johnson	287	SW
Doull	353	SW
McMeen	606	NNE
Bryant-Webster	359	NW
Traylor	319	SW
Brown	546	NW
Park Hill	670	NNE
Steck	318	NNE
Edison	533	NW
Knight	369	SE

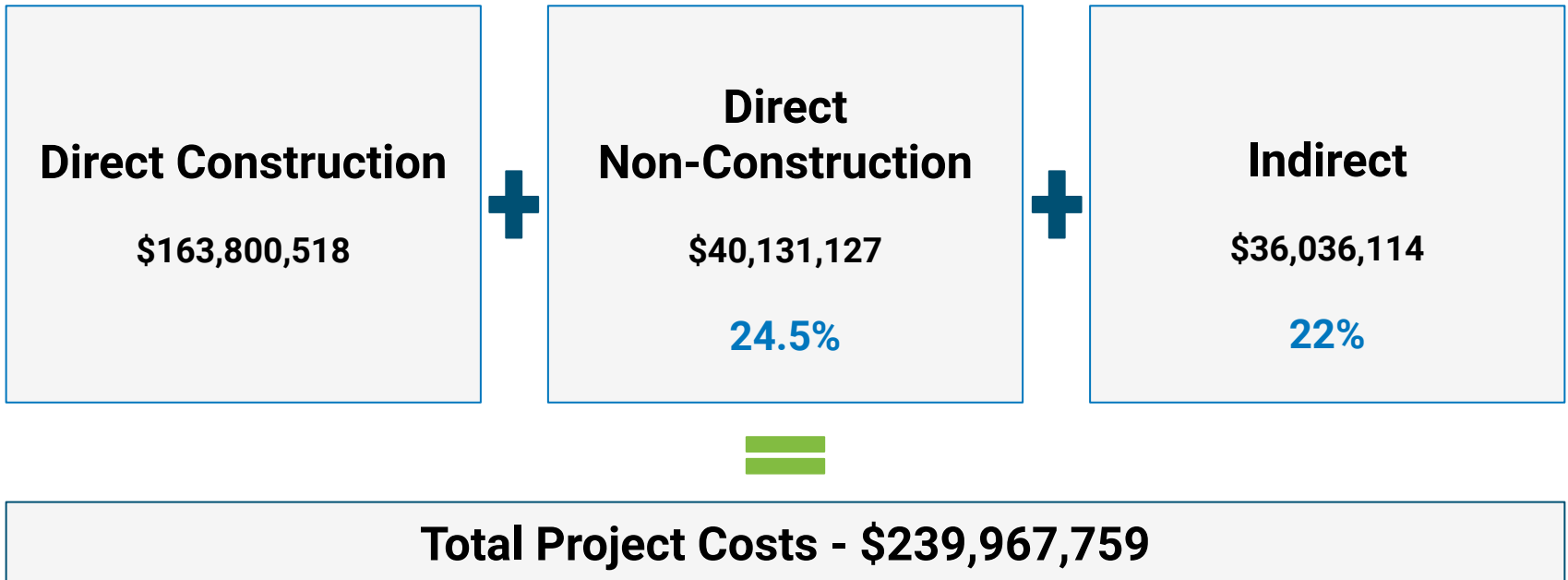
Building	Projected Enrollment (ECE-12)	Planning Regions
Bradley	576	SE
Pioneer Charter	276	CEN
Gilpin	348	CEN
Goldrick	338	SW
Gust	591	SW
Hamilton	623	SE
Crofton	277	CEN
Godsman	331	SW
Montclair	313	NNE
Teller	536	CEN
U Park	386	SE
Whiteman	564	NNE
Lincoln ES	320	SE
Slavens	755	SE
Barrett	192	CEN



*Total number of students impacted across all 31 schools equals 12,681

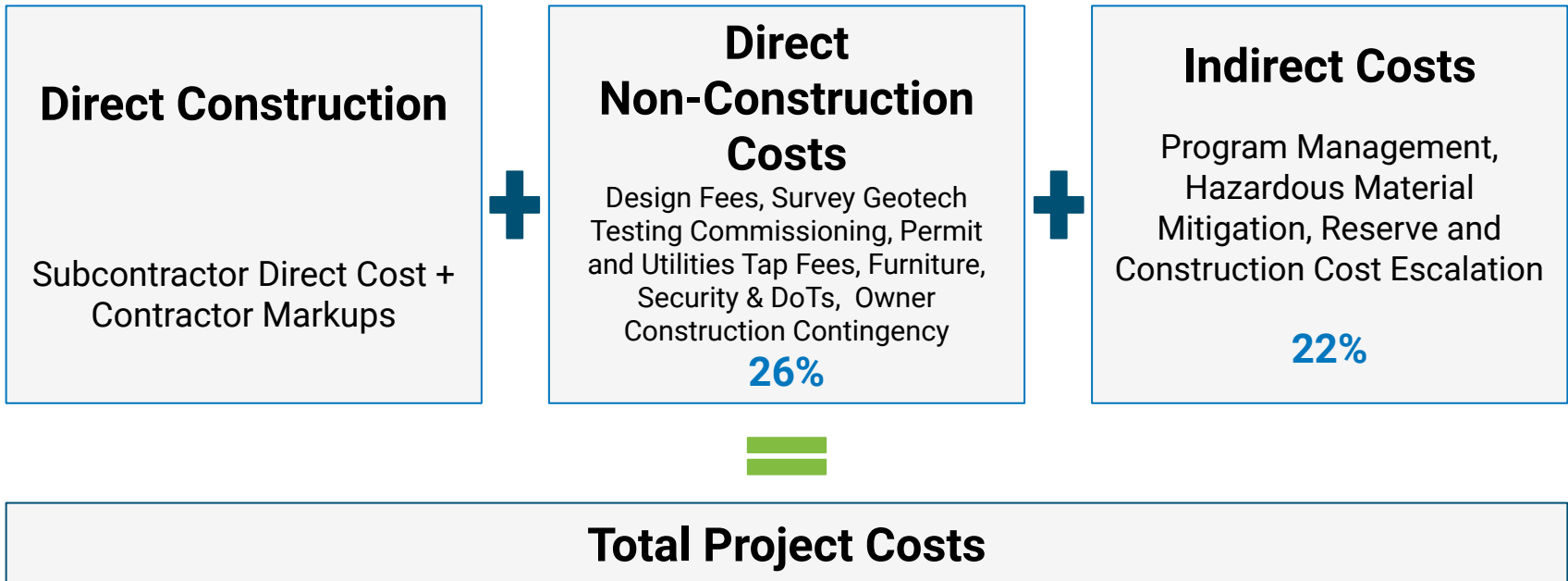
Air Conditioning Baseline Costs

Capital Planning 2024 - Total Project Cost Breakdown



Cost Methodology

Capital Planning 2024 - Total Project Cost Breakdown



While the average total bond project cost will vary based on the type of project, the average total project costs averages 48% to support non-construction and indirect costs; i.e., for each \$100 budgeted in Direct Construction Costs, an additional \$48.00 is required to be budgeted to support the non-construction and indirect costs. For example, a new Capacity project with a direct construction cost of \$10,000,000 would require a total bond project budget of \$14,800,000.