



# Kay Bailey Hutchison Convention Center Dallas (KBHCCD)

## Sustainability Update

August 3rd, 2026

### Rosa Fleming

*Director*  
Convention and Event Services

### Carlos Aguilar

*CEO*  
Inspire Dallas

### Mary Dickinson

*Regional Dir. of Regenerative Design*  
Amplify Dallas



# Agenda

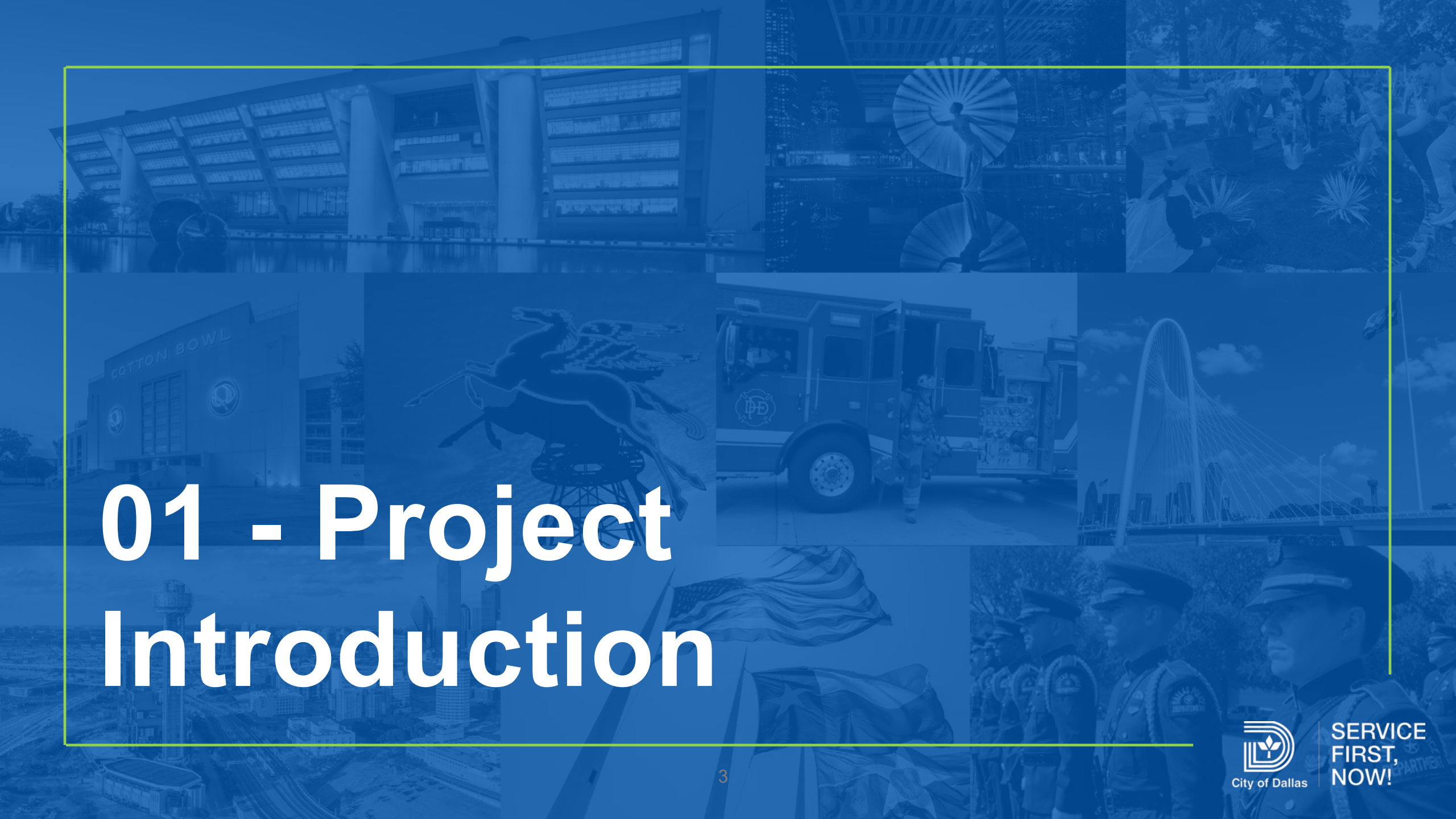


**01 – Project Introduction**

**02 – Current State - Design & Construction Schedule**

**03 – CECAP / LEED**

**04 – Central Utility Plant**



# 01 - Project Introduction



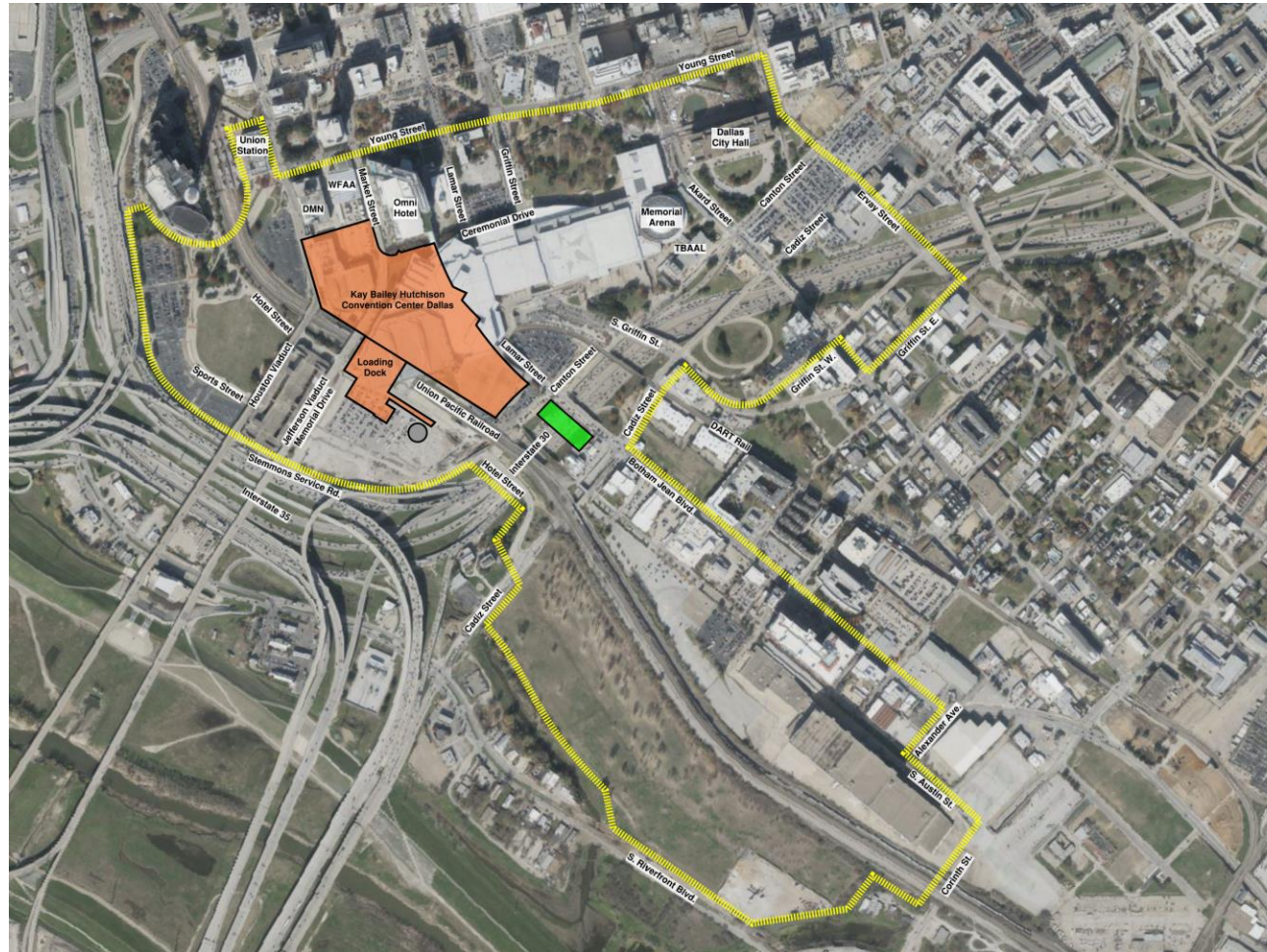
# Project Description:

The **Kay Bailey Hutchison Convention Center Dallas (KBHCCD)** project launches the development of a vibrant **district** that will seamlessly connect hotels, offices, residential buildings, and public facilities while **promoting social and economic development** from the Dallas Central Business District to the Cedars and South and Southern Dallas.

The mixed-use campus centers on a new enclosed **2.1-million-square-foot convention facility** with 750,000 square feet of exhibit halls, 180,000 square feet of meeting rooms, and a 105,000 square-foot ballroom that frames views of the city skyline and the Cedars.

The primary Convention program is complemented by active ground-floor retail, public open spaces, and modernized event infrastructure. **By targeting LEED Gold certification with a pathway to future CECAP compliance**, the project reflects Dallas' commitment to sustainability and establishes KBHCCD as a vibrant catalyst for growth, innovation, and community pride.

# Project Introduction – Anchor for Further Development





# Project Introduction – Aerial View





# Project Introduction – View of Looking South from Lamar



# Project Introduction – View of Looking North from Lamar



Renderings are conceptual/for representational purposes only and are subject to change



# Project Introduction - Program Composition

January  
2026

**Exhibit Hall**

**750,000 sf**  
Contiguous

**Ballroom**

**105,000 sf**  
1 Room  
6 Subdivisions

**Meeting Rooms**

**180,000 sf**  
89 Rooms

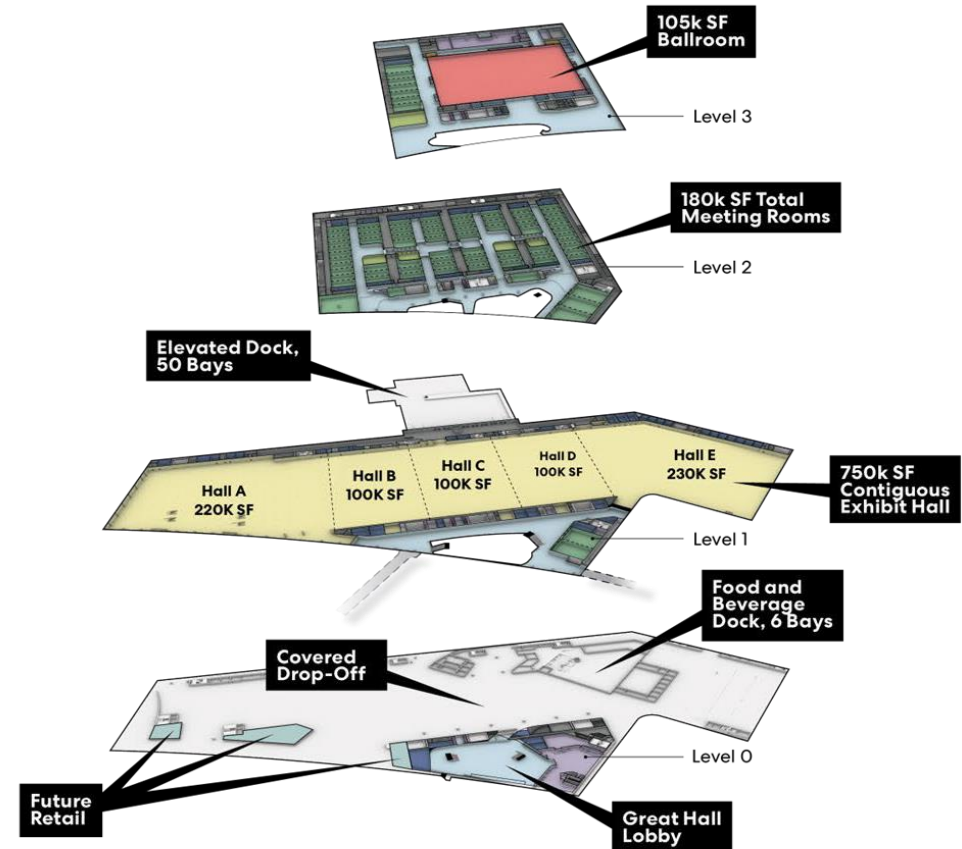
**Future Retail**

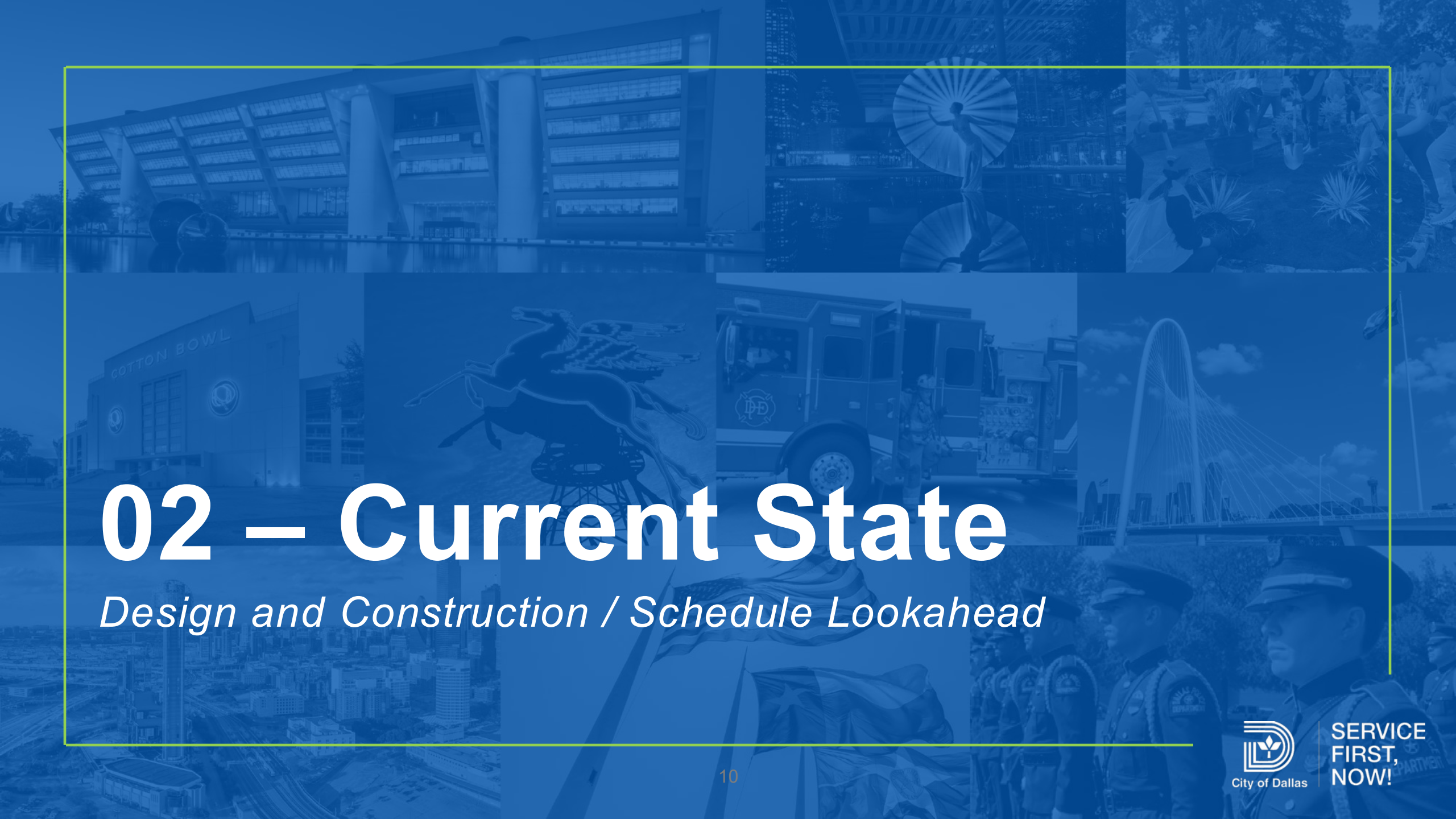
**20,000 sf**

**Total GSF**

**2,142,726 sf\***

\*Includes 113,916 sf of  
Mechanical Mezzanines  
Moved from Roof





# 02 – Current State

*Design and Construction / Schedule Lookahead*





## 2026

Pre-Enabling Works (COE) completion

Enabling works (major demolition)

Civil works commence (Q4)

Design Development (DD) completion

TXCN building demolition

Construction Documents (CD) completion



## 2027

Piers Drilling

Enabling works completion

Start of foundation works

Main structural works commencement



## 2028

Main structural works continuation

Foundations and civil works completion

Mechanical, Electrical, and Piping (MEP) commencement



## 2029

Power supply completion

Structural works completion

Mechanical and plumbing continuation

Loading dock works completion

Lot E works completion

Building envelope commencement

## 2030

Substantial Completion

Mechanical and plumbing completion

Permanent electrical power completion

Building enclosure completion

Interior finishes and landscape completion

Site roadways completion

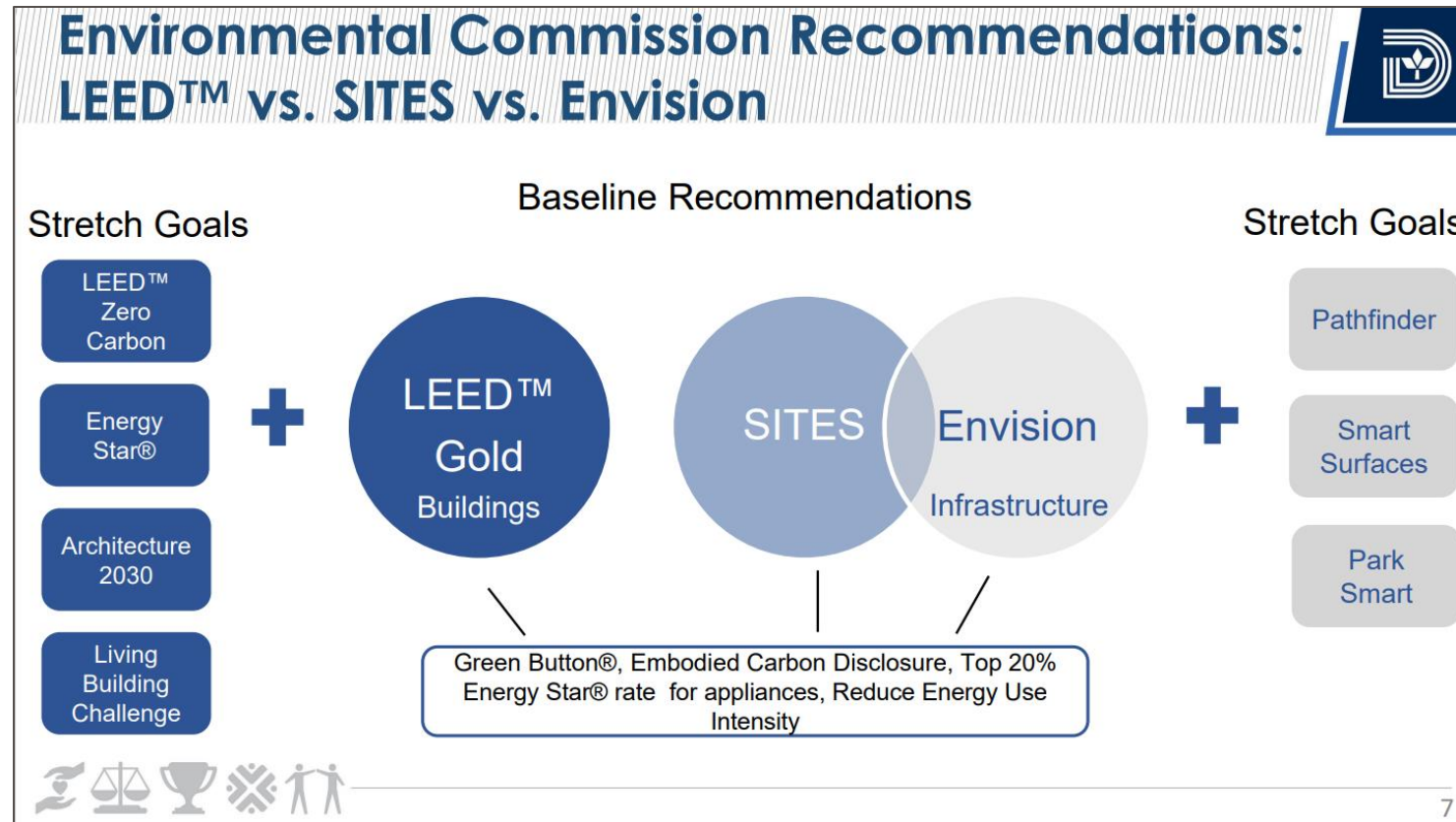
# 03 – CECAP & LEED

*CECAP Approach / LEED Gold Scorecard*



# Updated LEED Considerations for 2024 Bond Program

Parks, Trails, & the Environment Committee February 5, 2024



Document referenced to inform KBHCCD

Link:  
<https://cityofdallas.legistar.com/View.ashx?M=F&ID=12640633&GUID=23AF4EDB-DB9D-4471-9BB7-E586360E1B3E>

# LEED & 2024 Bond Program – Building Implementation

## Baseline Compliance:

- LEED Gold certification pursuit

|      | Level     | Points |
|------|-----------|--------|
| Gold | Certified | 40     |
|      | Silver    | 50     |
|      | Gold      | 60     |
|      | Platinum  | 80     |

### LEED v4.0 Building Design + Construction (with v4.1 credit substitutions where noted)

Date: Feb 3, 2026

Y ? N

|    |   |   |                                                          |          |
|----|---|---|----------------------------------------------------------|----------|
| 1  |   |   | Credit Integrative Process                               | 1        |
| 11 | 2 | 3 | Location and Transportation                              | 16       |
|    |   |   | Credit LEED for Neighborhood Development Location        | 16       |
| 1  |   |   | Credit Sensitive Land Protection (G)                     | 1        |
| 2  |   |   | Credit High Priority Site (G)                            | 2        |
| 3  | 2 |   | Credit Surrounding Density and Diverse Uses (G)          | 5        |
| 4  |   | 1 | Credit Access to Quality Transit                         | 5        |
|    |   | 1 | Credit Bicycle Facilities (G)                            | 1        |
|    |   | 1 | Credit Reduced Parking Footprint                         | 1        |
| 1  |   |   | Credit Electric Vehicles (G)                             | 1        |
| 1  | 3 | 6 | Sustainable Sites                                        | 10       |
| Y  |   |   | Prereq Construction Activity Pollution Prevention        | Required |
| 1  |   |   | Credit Site Assessment (G)                               | 1        |
|    |   | 2 | Credit Site Development - Protect or Restore Habitat (G) | 2        |
|    |   | 1 | Credit Open Space (G)                                    | 1        |
|    |   | 3 | Credit Rainwater Management (G)                          | 3        |
|    |   | 2 | Credit Heat Island Reduction (G)                         | 2        |
|    |   | 1 | Credit Light Pollution Reduction (G)                     | 1        |
| 5  | 6 | 0 | Water Efficiency                                         | 11       |
| Y  |   |   | Prereq Outdoor Water Use Reduction (G)                   | Required |
| Y  |   |   | Prereq Indoor Water Use Reduction                        | Required |
| Y  |   |   | Prereq Building-Level Water Metering                     | Required |
|    |   | 2 | Credit Outdoor Water Use Reduction (G)                   | 2        |
| 4  |   | 2 | Credit Indoor Water Use Reduction                        | 6        |
|    |   | 2 | Credit Cooling Tower Water Use (G)                       | 2        |
| 1  |   |   | Credit Water Metering                                    | 1        |
| 24 | 9 | 0 | Energy and Atmosphere                                    | 33       |
| Y  |   |   | Prereq Fundamental Commissioning and Verification (G)    | Required |
| Y  |   |   | Prereq Minimum Energy Performance                        | Required |
| Y  |   |   | Prereq Building-Level Energy Metering                    | Required |
| Y  |   |   | Prereq Fundamental Refrigerant Management                | Required |
| 6  |   |   | Credit Enhanced Commissioning                            | 6        |
| 11 | 7 |   | Credit Optimize Energy Performance (3pnt for PreReq)     | 18       |
| 1  |   |   | Credit Advanced Energy Metering                          | 1        |
|    |   | 2 | Credit Demand Response                                   | 2        |
| 3  |   |   | Credit Renewable Energy Production                       | 3        |
| 1  |   |   | Credit Enhanced Refrigerant Management                   | 1        |
| 2  |   |   | Credit Green Power and Carbon Offsets                    | 2        |

Note: Group approach (G)

Note: Credits shown in blue will utilize v4.1 credit requirements

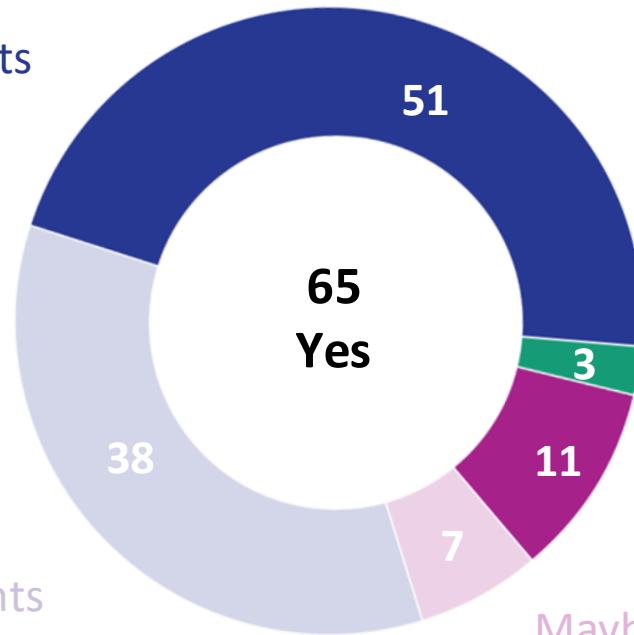
|    |    |    |                                                                  |          |
|----|----|----|------------------------------------------------------------------|----------|
| 6  | 7  | 0  | Materials and Resources                                          | 13       |
| Y  |    |    | Prereq Storage and Collection of Recyclables                     | Required |
| Y  |    |    | Prereq Construction and Demolition Waste Management Planning (G) | Required |
| 1  | 4  |    | Credit Building Life-Cycle Impact Reduction                      | 5        |
| 1  | 1  |    | Credit Environmental Product Declarations (G)                    | 2        |
| 1  | 1  |    | Credit Sourcing of Raw Materials (G)                             | 2        |
| 1  | 1  |    | Credit Material Ingredients (G)                                  | 2        |
| 2  |    |    | Credit Construction and Demolition Waste Management (G)          | 2        |
| 8  | 4  | 4  | Indoor Environmental Quality                                     | 16       |
| Y  |    |    | Prereq Minimum Indoor Air Quality Performance                    | Required |
| Y  |    |    | Prereq Environmental Tobacco Smoke Control (G)                   | Required |
| 2  |    |    | Credit Enhanced Indoor Air Quality Strategies                    | 2        |
| 3  |    |    | Credit Low-Emitting Materials (G)                                | 3        |
| 1  |    |    | Credit Construction Indoor Air Quality Management Plan           | 1        |
|    | 2  |    | Credit Indoor Air Quality Assessment                             | 2        |
| 1  |    |    | Credit Thermal Comfort                                           | 1        |
| 1  | 1  |    | Credit Interior Lighting (G)                                     | 2        |
|    | 3  |    | Credit Daylight                                                  | 3        |
|    | 1  |    | Credit Quality Views                                             | 1        |
| 1  |    |    | Credit Acoustic Performance                                      | 1        |
| 5  | 1  | 0  | Innovation                                                       | 6        |
| 1  |    |    | Credit Innovation - Green Building Education program             | 1        |
|    | 1  |    | Credit Innovation - Bird Deterrence                              | 1        |
| 1  |    |    | Credit Innovation - Community outreach and involvement           | 1        |
| 1  |    |    | Credit Innovation - Exemplary Performance-EPDs                   | 1        |
| 1  |    |    | Credit Pilot - Assessment and planning for resilience            | 1        |
| 1  |    |    | Credit LEED Accredited Professional                              | 1        |
| 4  | 0  | 0  | Regional Priority                                                | 4        |
| 1  |    |    | Credit Enhanced IAQ Strategies - 2pnts                           | 1        |
| 1  |    |    | Credit Outdoor Water Use Reduction - 1pnt                        | 1        |
| 1  |    |    | Credit Renewable Energy Production - 2pnts                       | 1        |
| 1  |    |    | Credit Optimize Energy Performance - 7pnts                       | 1        |
|    |    |    | Other - Rainwater management (2pnt) / Reduced parking 1pnt       |          |
| 65 | 32 | 13 | TOTALS                                                           |          |



# LEED Point Distribution & Potential

Non-Efficiency /  
Renewables Points

Maybe or No  
Non-Efficiency /  
Renewables Points



Renewable Energy Production

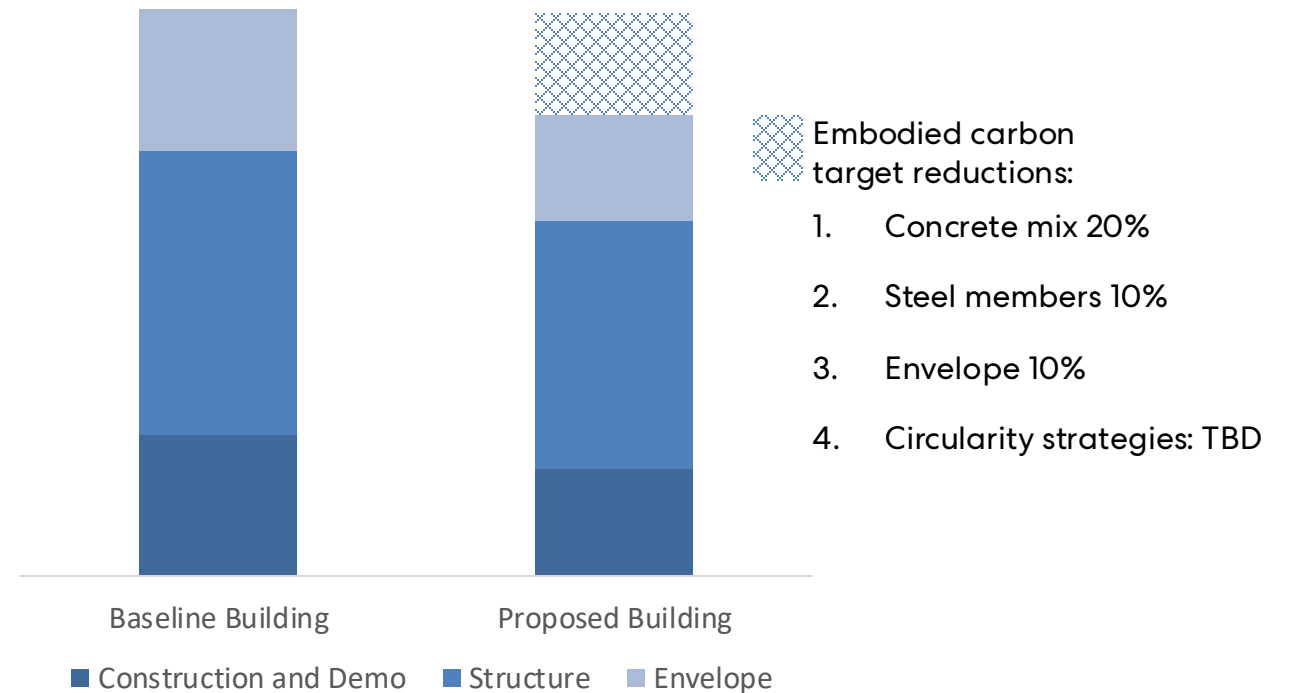
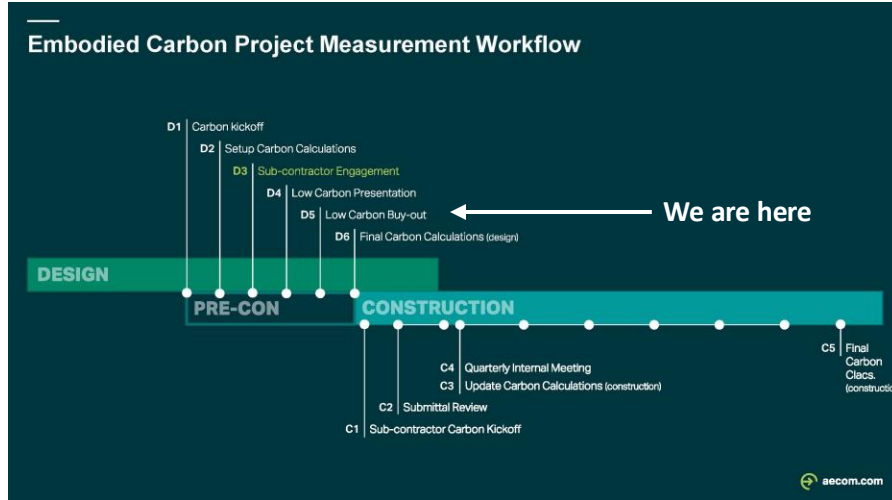
Optimize Energy Performance

Maybe or No  
Optimize Energy Performance

# CECAP & 2024 Bond Program – Building Implementation

## Baseline Compliance:

Tracking embodied carbon reduction. Obtaining Environmental Product Declarations for all structural steel, concrete mixes, asphalt (or hardscape), bulk envelope materials, and bulk interior materials



# CECAP & 2024 Bond Program – Recycling



**ShawContract®**  
re[TURN] RECOGNITION CERTIFICATE

PRESENTED TO  
**Kay Bailey Hutchison Convention Center**

for the reclamation of 4,936 square yards of post-consumer carpet on 3/2/2026 and 2/4/2026.

Your decision to eliminate landfill waste will allow us to recycle your carpet and create new materials for future generations.

The impact you made returning 4,936 square yards of EcoLogix® carpet.

#### CIRCULAR ECONOMY

Approximately  
**30,602 pounds**  
of old EcoLogix® carpet have  
been recycled, thus preventing  
them from going to the landfill.

#### CARBON IMPACT

Approximately  
**1,660 gallons**  
of gasoline were saved,  
which is enough to drive  
**37,900 miles**  
in an average car.

Approximately  
**32,600 pounds**  
of CO<sub>2</sub> were saved, which is  
equivalent to planting nearly  
**14 acres**  
of trees.

*Kelly J. ...*  
Kelly J. ...  
Shaw Contract, Executive Vice President, Commercial Division

3/2/2026  
Date

re[TURN]



Interface®

**REENTRY™**

We'd like to thank

**Kay Bailey Hutchison Convention Center**  
for its participation in Interface's 3<sup>rd</sup> Party certified ReEntry Program.  
Your stewardship diverted

**67050 Pounds**

of Carpet Tile from the landfill for recycling into CQuest® Carpet Tile.

The amount of flooring reclaimed is equivalent, in weight, to:

2000+ watermelons  
2000+ watermelons  
1000+ watermelons  
1000+ watermelons

Certificate Number 202026  
Issued 3/2/2026

*Raymond ...*  
Raymond ...  
Lu Min, PhD  
Head of Global Sustainability Strategy

| Target                                                         | Qty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overall waste diversion                                        | 75% of demolition and construction waste diverted from landfills<br><b>Currently tracking 85% diverted or nearly 48,000,000 lbs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Waste streams – All to be collected as separated waste streams | <ol style="list-style-type: none"> <li><b>Concrete</b> taken to Big City Crushed Concrete for recycling</li> <li><b>Metal</b> taken to EMR for recycling</li> <li><b>Asphalt</b> taken to Big City Crushed Concrete for recycling</li> <li><b>Wood</b> taken to Dallas Recycling for recycling</li> <li><b>Carpet tile</b> reclaimed and transferred by manufacturers to plants as recycle feedstock for new products</li> <li><b>Acoustic ceiling tile</b> reclaimed by Armstrong transferred by manufacturers to plants as recycle feedstock for new products</li> <li><b>Cardboard</b> taken to Gamtex for recycling</li> <li><b>Wood chippings</b> reused on site</li> <li><b>Comingled</b> taken to waste management for recycling</li> </ol> |
| Waste diverted to-date (Take-back program)                     | Carpet reclaimed: 97,652 lbs<br>Ceiling reclaimed: 53,900 lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Impact up to date (Take-back program)                          | 8,976 metric tons equivalent of carbon dioxide (Cradle to Gate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



# CECAP & 2024 Bond Program – Building Implementation

## Compliance:

- In Design Development and into Construction Documentation phase top 20% of Energy Star Appliances & Equipment will be specified
- In the Construction Documentation phase “Green Button” will be coordinated as controls and Building Management Systems (BMS) are defined

## Stretch Goal (one must be selected):

- Smart, efficient building design with integrated renewables (photovoltaics) that are grid integrated **(pg. 25)**

# CECAP & 2024 Bond Program – Infrastructure Implementation

## Recommendation Compliance:

- Sustainable SITES Initiative (SITES) Certification designed to enable future compliance:
  - To meet prerequisite of SITES - Roof drainage is being incorporated to enable future connection to cisterns for rainwater reuse and / or advanced filtration to filter water before being conveyed to storm drains

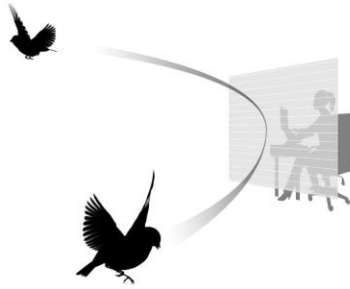
## Stretch Goal (one must be selected):

- Integrating Parksmart practice with EV ready infrastructure

# Sustainable Activities



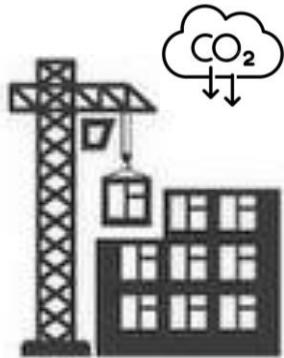
46 EV Ready  
Spaces & 8  
EV Capable  
Spaces  
Planned



Bird Safety Frit  
Across Building  
Exterior



40% Indoor  
Water Reduction



Reduced Embodied  
Carbon Goal

Through structural  
design & reused slab



Responsible  
Assessment  
& Handling of  
Soils



85%  
Construction  
Waste  
Diversion



# CECAP Ready Approach | Carbon



## CECAP Targets for Carbon & Net Zero

In 2017, Dallas committed to carbon neutrality by 2050. CECAP is a road map to achieve this, breaking down individual steps and milestones (and goes beyond carbon alone). KBHCCD will serve as an anchor for future development in Downtown.

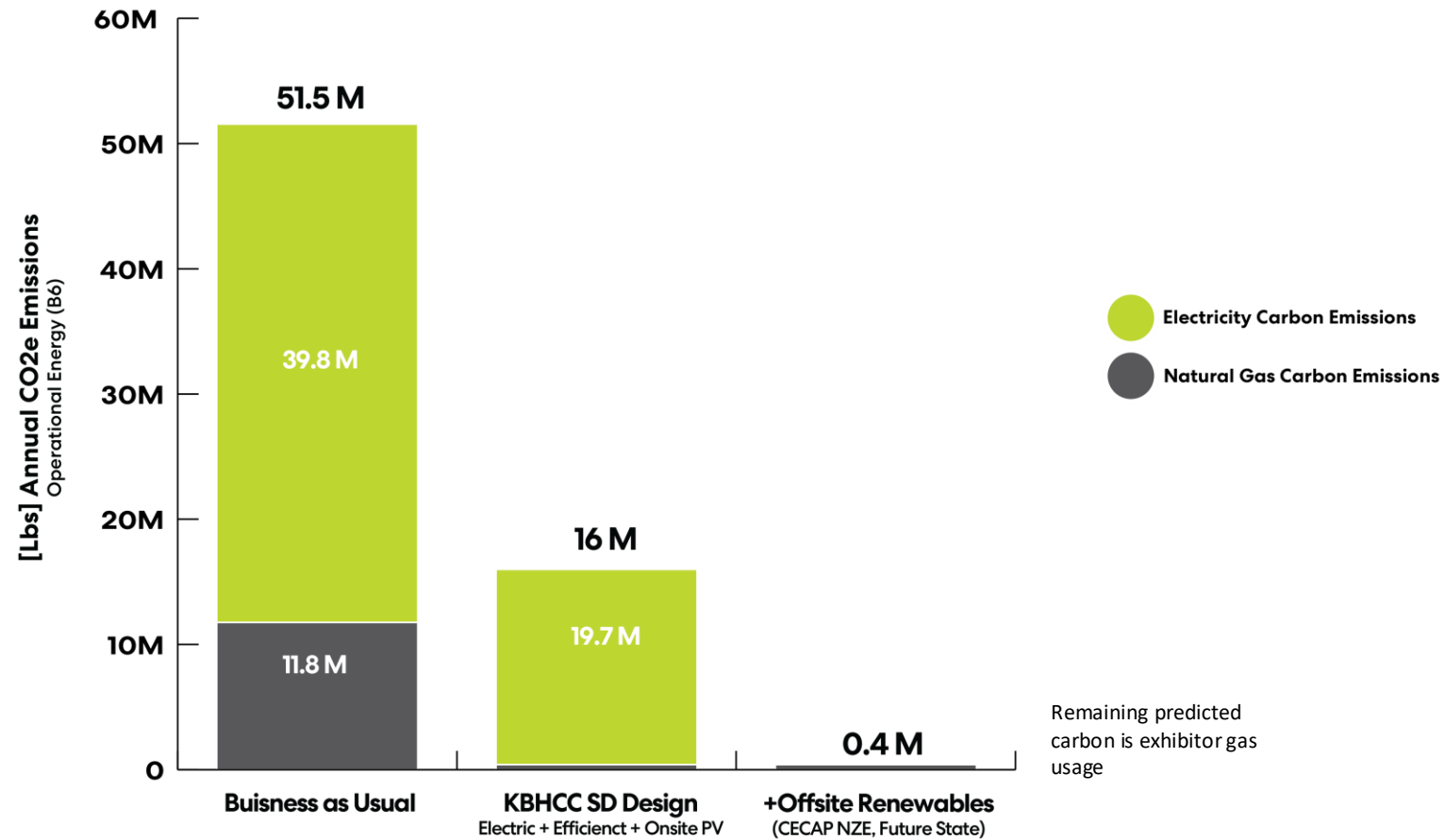


**Net Zero Energy** for 100% of new construction City projects starting in 2030

## 4 Major Steps for a CECAP Ready Approach

1. Electrification (Generator & Vendor Amenity Exceptions)
2. Maximize Efficiency
3. Maximize Economical Onsite PV
4. Future Offsite PV for NZE

# 1. Electrification + Efficiency



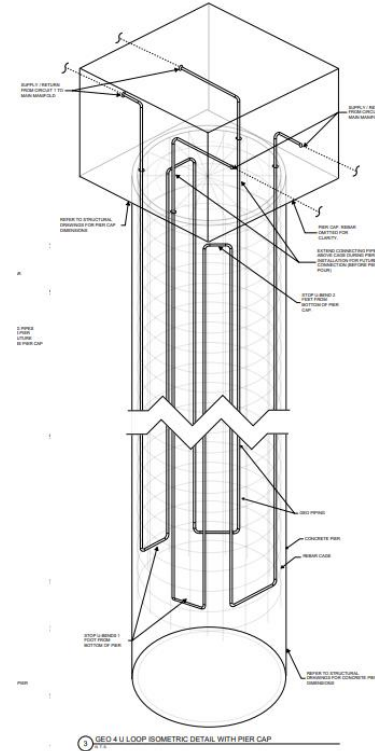
## 2. Efficiency – Geothermal Piers

Geoexchange is highly efficient and saves water (offsets cooling tower use).

KBHCCD is planning geoexchange tubing within the structural piers, offsetting drilling costs. This enables the deep foundations to be eligible for the substantial tax rebates associated with geoexchange (IRA funding, 30%), more than offsetting the cost of the tubing.

### Central Plant Highlights

1. Third Party-provided plant provides greater efficiency with lower capital costs.
2. Heat Recovery Chillers provide efficient heating and cooling.
3. Thermal storage allows for rejected heat from cooling an event to be stored and serve beneficial uses in a carbon-free way, such as space heating the next day or potential free domestic hot water (DHW) for future hotels.



Geoexchange Piping Detail



Concrete Pier Example



## 3 & 4. Maximize Onsite & Offsite PV



Reference Example: Offsite PV serving Boston Medical Center

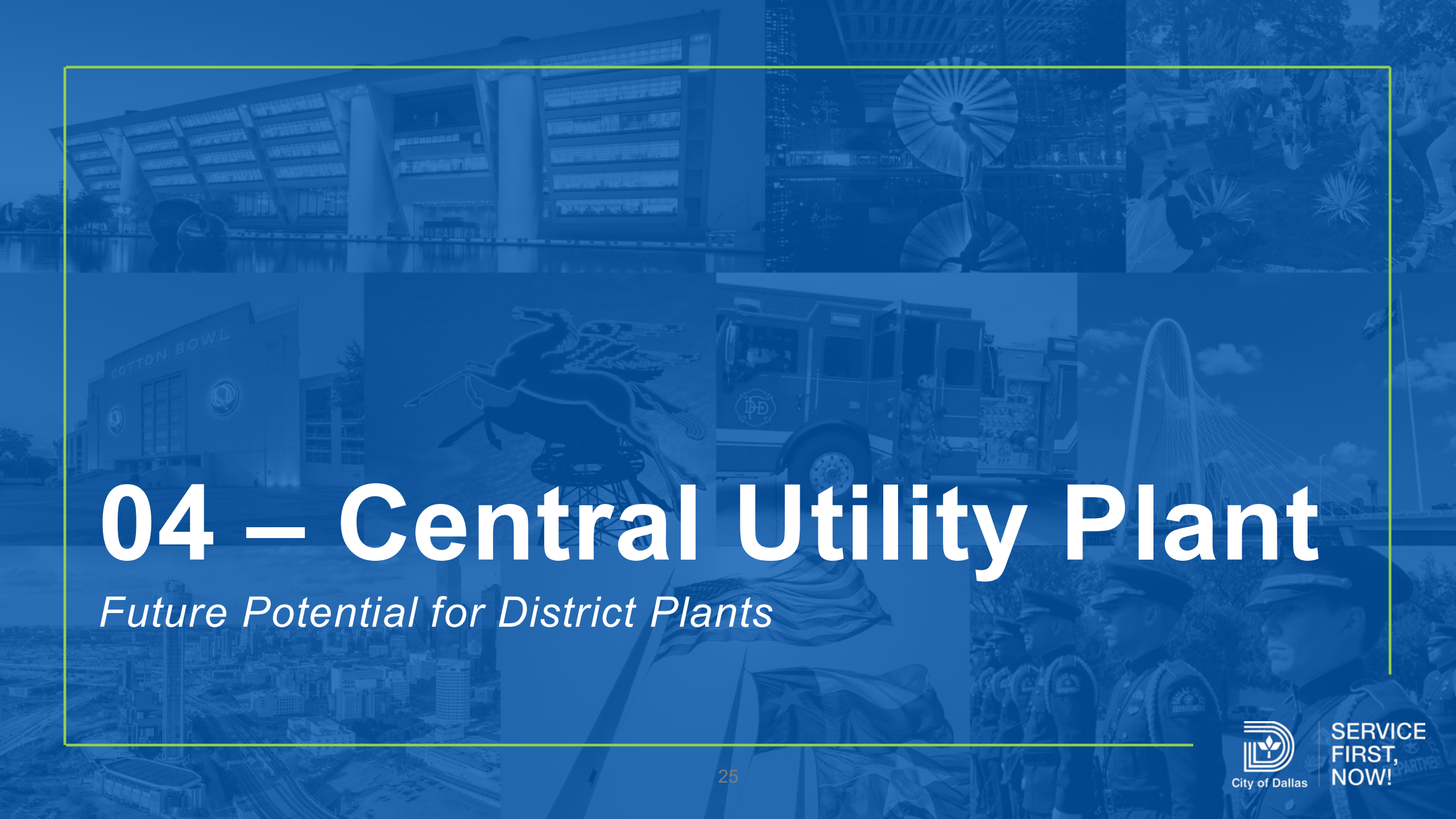
~16 MW PV

**Offsite** production required for KBHCCD to reach Net Zero Energy (CECAP Target) in the future



**CECAP Target**

**739,000 MW AND 3,695,000 MW SOLAR POWER INSTALLED WITHIN THE CITY BY 2030 AND 2050, RESPECTIVELY.**



# 04 – Central Utility Plant

*Future Potential for District Plants*



# Milestones – Central Utility Plant RFI

## Scope Description

A – Central Utility Plant (CUP). The Service Provider will own and operate the Central Utility Plant (CUP). The City will pay monthly for the energy (chilled / heated water) and related services.

B- Carbon free distributed power generation (CFDG). The Service Provider will own and operate the power generation equipment. The power can be used on site to charge batteries, power the CUP, or be sold onto the grid at the providers' discretion. All renewable energy credits will be retained by the City.

Service providers may propose individually on A or B.  
Alternately, they may propose on both A and B.

The CUP will serve a new 2 million sq ft (approximately) convention center with a 725,000 sq ft exhibit hall, conference rooms, 100,000 sq ft ballroom, commercial kitchens, and office space. The CFDG will be a combination of onsite and offsite solutions. The convention center project is currently in the schematic design phase. Design load profiles for expected equipment within the convention center will be shared at a later stage of the solicitation process.

Construction of convention center is scheduled to be completed in late 2029. To support this construction schedule, chilled water and hot water will be required from the Central Plant in August of 2028. If construction of the CUP is not complete in time to meet convention center construction schedule needs, service provider shall furnish all necessary temporary chilled and heated water until the CUP is complete. Temporary chilled and heated water will not be required to be carbon free.

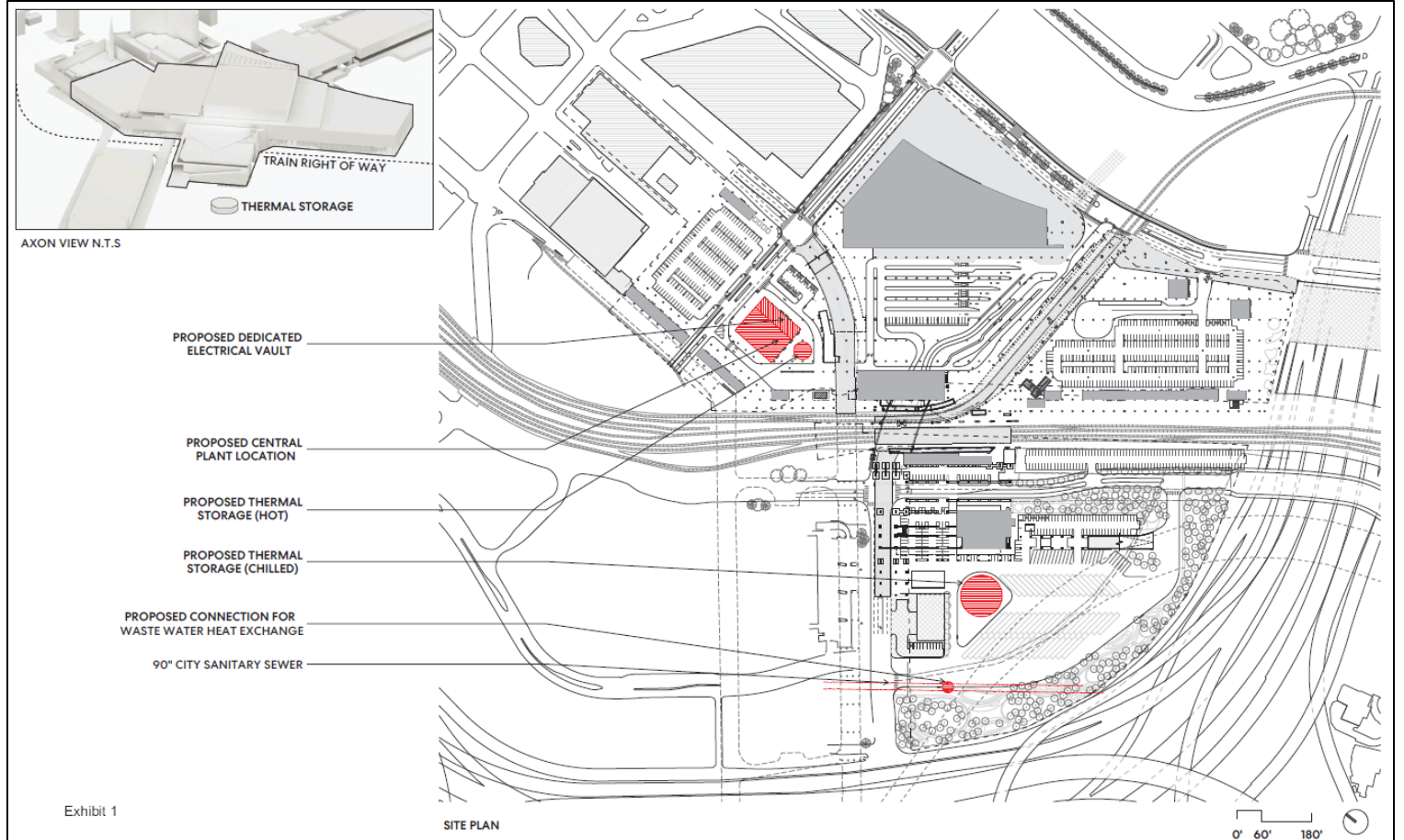
Preliminary proposed location and size for CUP relative to the overall project are included in Exhibit A. Alternate locations and sizes for CUP will be entertained if value to City is demonstrated by Service Provider.

Construction of the structure and envelope of the CUP is currently included in the main convention center contract. If the service provider can demonstrate meaningful value to the city, structure and envelope of the CUP may be included in the scope of the service provider.

Scope Description

Page 1 of 1

March 5, 2026





# Upcoming Items – District Energy Opportunities

## Assessment of Heating / Cooling Demand



| Category                                    |                             |
|---------------------------------------------|-----------------------------|
| <b>HOTELS</b>                               |                             |
| 1                                           | Omni Hotel - (Existing)     |
|                                             | New Hotel - Full Service    |
| 3                                           | New Hotel - Full Service    |
| 4                                           | New Hotel - Full Service    |
| 5                                           | New Hotel - Boutique        |
| 6                                           | New Hotel - Boutique        |
| 7                                           | Hotel Support Services      |
| 8                                           | Hotel F & B                 |
| <b>MIXED USE / MULTIFAMILY &amp; RETAIL</b> |                             |
| 9                                           | Luxury                      |
| 10                                          | Mid Market                  |
| 11                                          | MF Support Areas            |
| 12                                          | Restaurant                  |
| 13                                          | Shopping                    |
| <b>ENTERTAINMENT VENUES</b>                 |                             |
| 14                                          | Cosm Style Sports Venue     |
| 15                                          | Texas Live Style Venue      |
| <b>PARKING</b>                              |                             |
|                                             | Garage Parking              |
| <b>MEMORIAL ARENA and TBAAL</b>             |                             |
| 16                                          | Memorial Arena existing cap |
| 16                                          | Memorial Arena basement le  |
| 17                                          | TBAAL                       |
| <b>KBHCCD</b>                               |                             |
| 18                                          |                             |
| <b>I-30 South Development</b>               |                             |
| 19                                          | Mixed Use Development       |



# Kay Bailey Hutchison Convention Center Dallas (KBHCCD)

## Sustainability Update

August 3rd, 2026

### Rosa Fleming

*Director*  
Convention and Event Services

### Carlos Aguilar

*CEO*  
Inspire Dallas

### Mary Dickinson

*Regional Dir. of Regenerative Design*  
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