

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, FEBRUARY 5, 2024

23-0049

PARK, TRAILS, AND THE ENVIRONMENT
CITY COUNCIL CHAMBER, CITY HALL/VIDEO CONFERENCE
COUNCILMEMBER KATHY STEWART, PRESIDING

PRESENT: [6] Stewart, Moreno (**9:06 a.m.), Arnold, *Narvaez (**9:12 a.m.), Bazaldua, Blackmon

ABSENT: [1] West

The meeting was called to order at 9:05 a.m. with a quorum of the committee present.

The meeting agenda, posted in accordance with Chapter 551, "OPEN MEETINGS," of the Texas Government Code, was presented.

After all business properly brought before the city council had been considered, the meeting adjourned at 11:03 a.m.

Chair

ATTEST:

City Secretary Staff

Date Approved

The agenda is attached to the minutes of this meeting as EXHIBIT A.

The actions taken on each matter considered by the committee are attached to the minutes of this meeting as EXHIBIT B.

The briefing materials are attached to the minutes of this meeting as EXHIBIT C.

***Note: Members of the Committee participated in this meeting by video conference.**

**** Note: Indicates arrival time after meeting called to order/reconvened.**

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, FEBRUARY 5, 2024

EXHIBIT A

RECEIVED

2024 FEB -2 AM 8:35

**CITY SECRETARY
DALLAS, TEXAS**

City of Dallas

*1500 Marilla Street
Council Chambers, 6th Floor
Dallas, Texas 75201*

Public Notice

2 4 0 1 2 5

POSTED CITY SECRETARY
DALLAS, TX



Parks, Trails, and the Environment Committee

February 5, 2024

9:00 AM

2023 CITY COUNCIL APPOINTMENTS

COUNCIL COMMITTEE	
ECONOMIC DEVELOPMENT Atkins (C), Narvaez (VC), Arnold, Bazaldua, Ridley, Stewart, West	GOVERNMENT PERFORMANCE AND FINANCIAL MANAGEMENT West (C), Blackmon (VC), Mendelsohn, Moreno, Resendez
HOUSING AND HOMELESSNESS SOLUTIONS Moreno (C), Mendelsohn (VC), Gracey, West, Willis	PARKS, TRAILS, AND THE ENVIRONMENT Stewart (C), Moreno (VC), Arnold, Bazaldua, Blackmon, Narvaez, West
PUBLIC SAFETY Mendelsohn (C), Stewart (VC), Atkins, Moreno, Willis	QUALITY OF LIFE, ARTS, AND CULTURE Bazaldua (C), Resendez (VC), Blackmon, Gracey, Ridley, Schultz, Willis
TRANSPORTATION AND INFRASTRUCTURE Narvaez (C), Gracey (VC), Atkins, Mendelsohn, Resendez, Schultz, Stewart	WORKFORCE, EDUCATION, AND EQUITY Schultz (C), Arnold (VC), Bazaldua, Blackmon, Resendez, Ridley, Willis
AD HOC COMMITTEE ON ADMINISTRATIVE AFFAIRS Atkins (C), Mendelsohn, Moreno,	AD HOC COMMITTEE ON GENERAL INVESTIGATING AND ETHICS Mendelsohn (C), Gracey, Johnson, Schultz, Stewart
AD HOC COMMITTEE ON JUDICIAL NOMINATIONS Ridley (C), Resendez, West	AD HOC COMMITTEE ON LEGISLATIVE AFFAIRS Mendelsohn (C), Atkins, Gracey, Narvaez, Stewart
AD HOC COMMITTEE ON PENSIONS Atkins (C), Blackmon, Mendelsohn, Moreno, Resendez, Stewart, West, Willis	AD HOC COMMITTEE ON PROFESSIONAL SPORTS RECRUITMENT AND RETENTION Gracey (C), Blackmon, Johnson, Moreno, Narvaez, Resendez, Schultz

(C) – Chair, (VC) – Vice Chair

Note: A quorum of the Dallas City Council may attend this Council Committee meeting.

General Information

The Dallas Council Committees regularly meet on Mondays beginning at 9:00 a.m. and 1:00 p.m. in the Council Chambers, 6th floor, City Hall, 1500 Marilla. Council Committee agenda meetings are broadcast live on bit.ly/cityofdallastv and on Time Warner City Cable Channel 16.

Sign interpreters are available upon request with a 48-hour advance notice by calling (214) 670-5208 V/TDD. The City of Dallas is committed to compliance with the Americans with Disabilities Act. **The Council agenda is available in alternative formats upon request.**

If you have any questions about this agenda or comments or complaints about city services, call 311.

Rules of Courtesy

City Council meetings bring together citizens of many varied interests and ideas. To insure fairness and orderly meetings, the Council has adopted rules of courtesy which apply to all members of the Council, administrative staff, news media, citizens and visitors. These procedures provide:

- That no one shall delay or interrupt the proceedings, or refuse to obey the orders of the presiding officer.
- All persons should refrain from private conversation, eating, drinking and smoking while in the Council Chamber.
- Posters or placards must remain outside the Council Chamber.
- No cellular phones or audible beepers allowed in Council Chamber while City Council is in session.

"Citizens and other visitors attending City Council meetings shall observe the same rules of propriety, decorum and good conduct applicable to members of the City Council. Any person making personal, impertinent, profane or slanderous remarks or who becomes boisterous while addressing the City Council or while attending the City Council meeting shall be removed from the room if the sergeant-at-arms is so directed by the presiding officer, and the person shall be barred from further audience before the City Council during that session of the City Council. If the presiding officer fails to act, any member of the City Council may move to require enforcement of the rules, and the affirmative vote of a majority of the City Council shall require the presiding officer to act." Section 3.3(c) of the City Council Rules of Procedure.

Información General

Los Comités del Concejo de la Ciudad de Dallas se reúnen regularmente los lunes en la Cámara del consejo en el sexto piso del Ayuntamiento, 1500 Marilla, a partir de las 9:00 a.m. y la 1:00 p.m. Las reuniones de la agenda del Comité del Consejo se transmiten en vivo por la estación de bit.ly/cityofdallastv y por cablevisión en la estación *Time Warner City Cable Canal 16*.

Intérpretes para personas con impedimentos auditivos están disponibles si lo solicita con 48 horas de anticipación llamando al (214) 670-5208 (aparato auditivo V/TDD). La Ciudad de Dallas se esfuerza por cumplir con el decreto que protege a las personas con impedimentos, *Americans with Disabilities Act*. **La agenda del Ayuntamiento está disponible en formatos alternos si lo solicita.**

Si tiene preguntas sobre esta agenda, o si desea hacer comentarios o presentar quejas con respecto a servicios de la Ciudad, llame al 311.

Reglas de Cortesía

Las asambleas del Ayuntamiento Municipal reúnen a ciudadanos de diversos intereses e ideologías. Para asegurar la imparcialidad y el orden durante las asambleas, el Ayuntamiento ha adoptado ciertas reglas de cortesía que aplican a todos los miembros del Ayuntamiento, al personal administrativo, personal de los medios de comunicación, a los ciudadanos, y a visitantes. Estos reglamentos establecen lo siguiente:

- Ninguna persona retrasará o interrumpirá los procedimientos, o se negará a obedecer las órdenes del oficial que preside la asamblea.
- Todas las personas deben abstenerse de entablar conversaciones, comer, beber y fumar dentro de la cámara del Ayuntamiento.
- Anuncios y pancartas deben permanecer fuera de la cámara del Ayuntamiento.
- No se permite usar teléfonos celulares o enlaces electrónicos (*paggers*) audibles en la cámara del Ayuntamiento durante audiencias del Ayuntamiento Municipal

"Los ciudadanos y visitantes presentes durante las asambleas del Ayuntamiento Municipal deben de obedecer las mismas reglas de comportamiento, decoro y buena conducta que se aplican a los miembros del Ayuntamiento Municipal. Cualquier persona que haga comentarios impertinentes, utilice vocabulario obsceno o difamatorio, o que al dirigirse al Ayuntamiento lo haga en forma escandalosa, o si causa disturbio durante la asamblea del Ayuntamiento Municipal, será expulsada de la cámara si el oficial que este presidiendo la asamblea así lo ordena. Además, se le prohibirá continuar participando en la audiencia ante el Ayuntamiento Municipal. Si el oficial que preside la asamblea no toma acción, cualquier otro miembro del Ayuntamiento Municipal puede tomar medidas para hacer cumplir las reglas establecidas, y el voto afirmativo de la mayoría del Ayuntamiento Municipal precisará al oficial que este presidiendo la sesión a tomar acción." Según la sección 3.3 (c) de las reglas de procedimientos del Ayuntamiento.

Handgun Prohibition Notice for Meetings of Governmental Entities

"Pursuant to Section 30.06, Penal Code (trespass by license holder with a concealed handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a concealed handgun."

"De acuerdo con la sección 30.06 del código penal (ingreso sin autorización de un titular de una licencia con una pistola oculta), una persona con licencia según el subcapítulo h, capítulo 411, código del gobierno (ley sobre licencias para portar pistolas), no puede ingresar a esta propiedad con una pistola oculta."

"Pursuant to Section 30.07, Penal Code (trespass by license holder with an openly carried handgun), a person licensed under Subchapter H, Chapter 411, Government Code (handgun licensing law), may not enter this property with a handgun that is carried openly."

"De acuerdo con la sección 30.07 del código penal (ingreso sin autorización de un titular de una licencia con una pistola a la vista), una persona con licencia según el subcapítulo h, capítulo 411, código del gobierno (ley sobre licencias para portar pistolas), no puede ingresar a esta propiedad con una pistola a la vista."

"Pursuant to Section 46.03, Penal Code (places weapons prohibited), a person may not carry a firearm or other weapon into any open meeting on this property."

"De conformidad con la Sección 46.03, Código Penal (coloca armas prohibidas), una persona no puede llevar un arma de fuego u otra arma a ninguna reunión abierta en esta propiedad."

This City Council Parks, Trails and the Environment Committee meeting will be held by video conference and in the Council Chambers, 6th Floor at City Hall.

The public may attend the meeting virtually; however, City Hall is available for those wishing to attend the meeting in person.

The Parks, Trails and the Environment Committee will be broadcast live on Spectrum Cable Channel 16 (English) and 95 (Spanish) and online at bit.ly/cityofdallastv.

The public may also listen to the meeting as an attendee at the following video conference link:

<https://dallascityhall.webex.com/dallascityhall/j.php?MTID=m19e549dbdc270440a709fd87d5f36844>

MINUTES

1. [24-498](#) Approval of the December 4, 2023 Parks, Trails, and Environment Committee Minutes

Attachments: [Minutes](#)

BRIEFING ITEMS

- A. [24-499](#) Transformational Investment in the Dallas Zoo
[Ryan O'Connor, Assistant Director, Parks and Recreation; Harrison Edell and Sean Green, Joint Chief Operators; Dawn Moore, Dallas Zoo Board Chair]

Attachments: [Presentation](#)

- B. [24-500](#) Dallas Water Commons
[Ryan O'Connor, Assistant Director, Parks and Recreation; David Marquis and Melanie Ferguson, Dallas Water Commons]

Attachments: [Presentation](#)

- C. [24-502](#) Updated CECAP Considerations for 2024 Bond Program
[Carlos Evans, Director, Office of Environmental Quality & Sustainability; Natalie Requenez, Environmental Justice Coordinator, Office of Environmental Quality & Sustainability]

Attachments: [Presentation](#)

BRIEFING MEMOS

- D. [24-503](#) Consent Decree Termination and Path Forward
[M. Elizabeth (Liz) Cedillo-Pereira; Carlos Evans, Director, Office of Environmental Quality and Sustainability]
Attachments: [Memorandum](#)
- E. [24-504](#) Q1 Comprehensive Environmental and Climate Action Plan (CECAP) Update
[M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager; Carlos Evans, Director, Office of Environmental Quality & Sustainability]
Attachments: [Memorandum](#)
- F. [24-506](#) 2023 Equity Indicators Report: Environmental Justice Measures Update
[M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager; Dr. Lindsey Wilson, Director, Office of Equity and Inclusion]
Attachments: [Memorandum](#)
- G. [24-507](#) Environmental Commission Update
[Kathryn Bazan, Chair, Environmental Commission]
Attachments: [Memorandum](#)

ADJOURNMENT

EXECUTIVE SESSION NOTICE

A closed executive session may be held if the discussion of any of the above agenda items concerns one of the following:

1. seeking the advice of its attorney about pending or contemplated litigation, settlement offers, or any matter in which the duty of the attorney to the City Council under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with the Texas Open Meetings Act. [Tex. Govt. Code §551.071]
2. deliberating the purchase, exchange, lease, or value of real property if deliberation in an open meeting would have a detrimental effect on the position of the city in negotiations with a third person. [Tex. Govt. Code §551.072]
3. deliberating a negotiated contract for a prospective gift or donation to the city if deliberation in an open meeting would have a detrimental effect on the position of the city in negotiations with a third person. [Tex. Govt. Code §551.073]
4. deliberating the appointment, employment, evaluation, reassignment, duties, discipline, or dismissal of a public officer or employee; or to hear a complaint or charge against an officer or employee unless the officer or employee who is the subject of the deliberation or hearing requests a public hearing. [Tex. Govt. Code §551.074]
5. deliberating the deployment, or specific occasions for implementation, of security personnel or devices. [Tex. Govt. Code §551.076]
6. discussing or deliberating commercial or financial information that the city has received from a business prospect that the city seeks to have locate, stay or expand in or near the city and with which the city is conducting economic development negotiations; or deliberating the offer of a financial or other incentive to a business prospect. [Tex Govt. Code §551.087]
7. deliberating security assessments or deployments relating to information resources technology, network security information, or the deployment or specific occasions for implementations of security personnel, critical infrastructure, or security devices. [Tex Govt. Code §551.089]

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, FEBRUARY 5, 2024

EXHIBIT B

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

FEBRUARY 5, 2024

Item 1: Approval of the December 4, 2023 Parks, Trails, and Environment Committee Minutes

Councilmember Blackmon moved to adopt the minutes as presented.

Motion seconded by Councilmember Bazaldua and unanimously adopted. (Moreno, Narvaez absent when vote taken; West absent)

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

FEBRUARY 5, 2024

BRIEFING ITEMS

Item A: Dallas Zoo Update

The following individuals briefed the committee on the item:

- Ryan O'Connor, Assistant Director, Parks and Recreation Department;
- Lisa New, CEO, Dallas Zoo;
- Harrison Edell; Chief Mission Officer, Dallas Zoo;
- Sean Green, Joint Chief Operator, Dallas Zoo; and
- Dawn Moore, Board Chair, Dallas Zoo

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

FEBRUARY 5, 2024

BRIEFING ITEMS

Item B: Dallas Water Commons

The following individuals briefed the committee on the item:

- Ryan O'Connor, Assistant Director, Parks and Recreation Department;
- Melanie Ferguson, Director, Dallas Water Commons; and
- David Marquis; Governmental Affairs & Environmental Advocacy, Dallas Water Commons

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

FEBRUARY 5, 2024

BRIEFING ITEMS

Item C: Updated CECAP Considerations for 2024 Bond Program

The following individual briefed the committee on the item:

- Carlos Evans, Director, Office of Environmental Quality & Sustainability

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

FEBRUARY 5, 2024

BRIEFING MEMOS

Item D: Consent Decree Termination and Path Forward

Item E: Q1 Comprehensive Environmental and Climate Action Plan (CECAP) Update

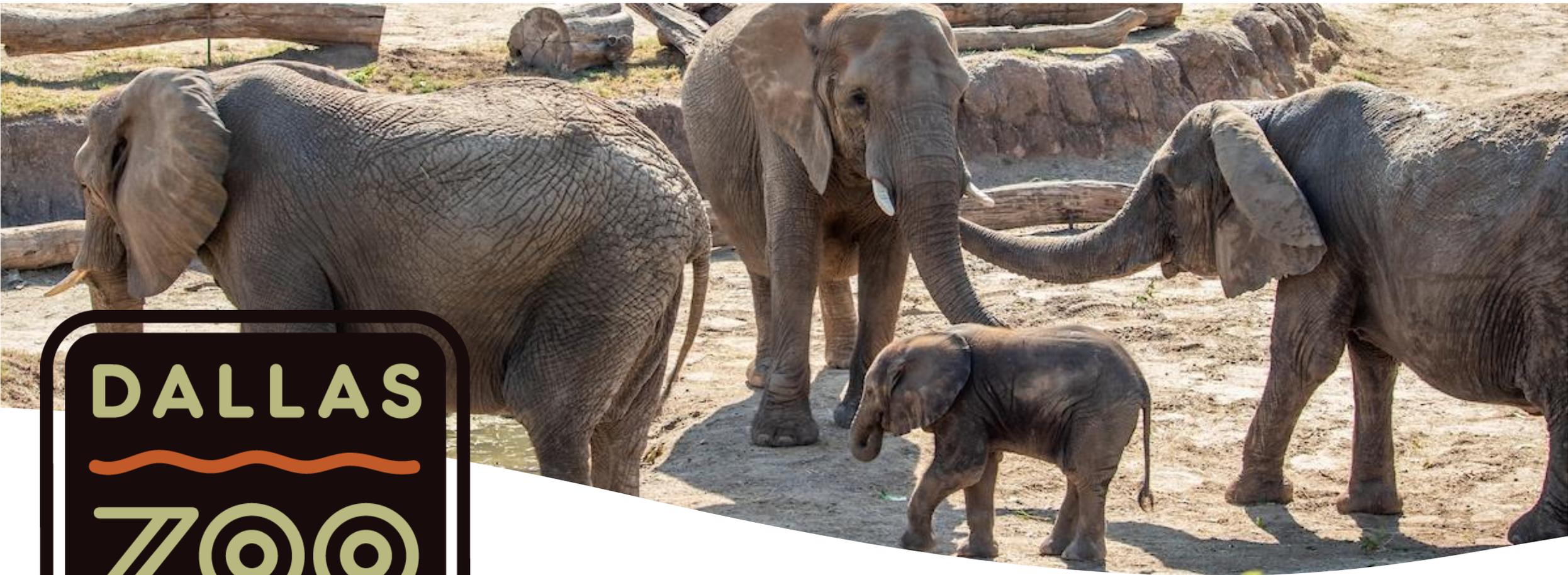
Item F: 2023 Equity Indicators Report: Environmental Justice Measures Update

Item G: Environmental Commission Update

The committee discussed the items.

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, FEBRUARY 5, 2024

EXHIBIT C



2024 City Bond Request

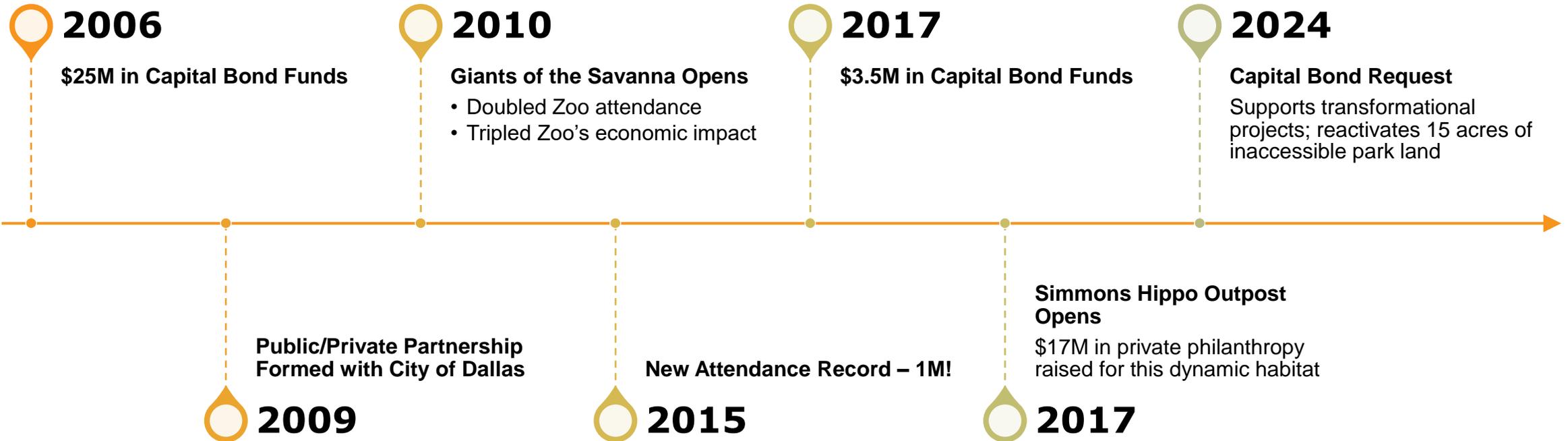
Transformational Investment in the Dallas Zoo

THE DALLAS ZOO

- Oldest and largest Zoo in Texas – est. 1888, 106 acres
- 2,000+ animals
- 350 species
- Approx 1M guests annually
- 100,000+ school tickets annually
- Local and global conservation
- Award-winning habitats
- \$245M+ economic impact
- 400+ staff – 25% live in Southern Dallas
- \$45M+ raised for improvements since 2009
- Association of Zoos and Aquariums (AZA) Accredited
- 100K+ FREE tickets and 340K+ discounted tickets in FY23



A Wildly Successful Partnership



Growing Economic Impact

	2009 (Under City Management)	2023 (Under Public/Private Partnership)
Annual Attendance	629,000	940,000
Expense Budget	\$16.3M	\$34M
Total Employees	228	414
School & Camp Programs	63,142	132,966
Conservation Programs	\$88,000	\$1.1M



Growth made possible by 2006 \$25M City bond investment supporting Giants of the Savanna!



City of Dallas



Dallas
Park & Recreation



Our Commitment to Affordability

Accessibility Programs	Rate	Tickets Distributed FY2023
Children 2 and under	Free	88,788
Council District Days – 6 Districts	Free	3,980
Teen All Access Pass	Free	2,876
Dallas Park and Recreation Dept.	Free	7,500
Dollar Days	\$1	50,018
Field Trip Guests	\$6	125,323
Zoo Lights Community Nights	\$8	3,495
Tiger Tuesdays	\$8	26,900
Penguin Days	\$10	138,582
TOTAL		447,462



Our ability to provide these discounts is a direct result of the strength of our partnership with the City – thank you!

48% attended for \$10 or less!

11% attended for free!

More than \$4.4M in free and discounted admissions in FY23!



A Strong Community Partner...



Community Impact Programs and Initiatives

- Paul Quinn College Intern Partnership: Zoo has hosted 12 paid PQ interns since partnership initiated in 2021
- \$15K in annual scholarships
- Bishop Arts Theatre Center Jazz at the Zoo
- Ongoing rollout of Spanish language signage, print materials, and audio resources
- 875 participants in "Take Action" weekends since Dec 2019, targeting 14 Dallas parks (selected by Park Dept)
- Engaged (and represented on Board of Directors) with Oak Cliff Chamber of Commerce
- Council District Days all year long



...With a Passion for Education



- 200 Southern Dallas families attended Zoo Camps in 2023 during school breaks, benefiting from an important out-of-school learning environment.
- 195 students have enrolled in the Wild Earth Preschool since its inception in 2018, 48% of them from Southern Dallas.
- Our broader capital campaign aims to expand our preschool offering by 4X.
- Decade-long partnerships continue with both Bryan Adams and Roosevelt High Schools, through PTECH program.
- 276 Animal Outreach programs were presented to schools and libraries in 2022-2023, 37 in Southern Dallas.
- 88 Oak Cliff homeschool families attended our Homeschool Day events at the Dallas Zoo last year, receiving vital science and STEM learning resources.



The Focus of our \$100M+ Capital Campaign

DISCOVERING WILDLIFE

Safari Trail

Elephant Great Room

INSPIRING GENERATIONS

Wild Earth Discovery Center

CONNECTING COMMUNITIES

South Parking Garage

Community Connectivity

Safety and Security

City bond request helps
support these projects



Dallas Zoo Master Plan



CURRENT PHASE

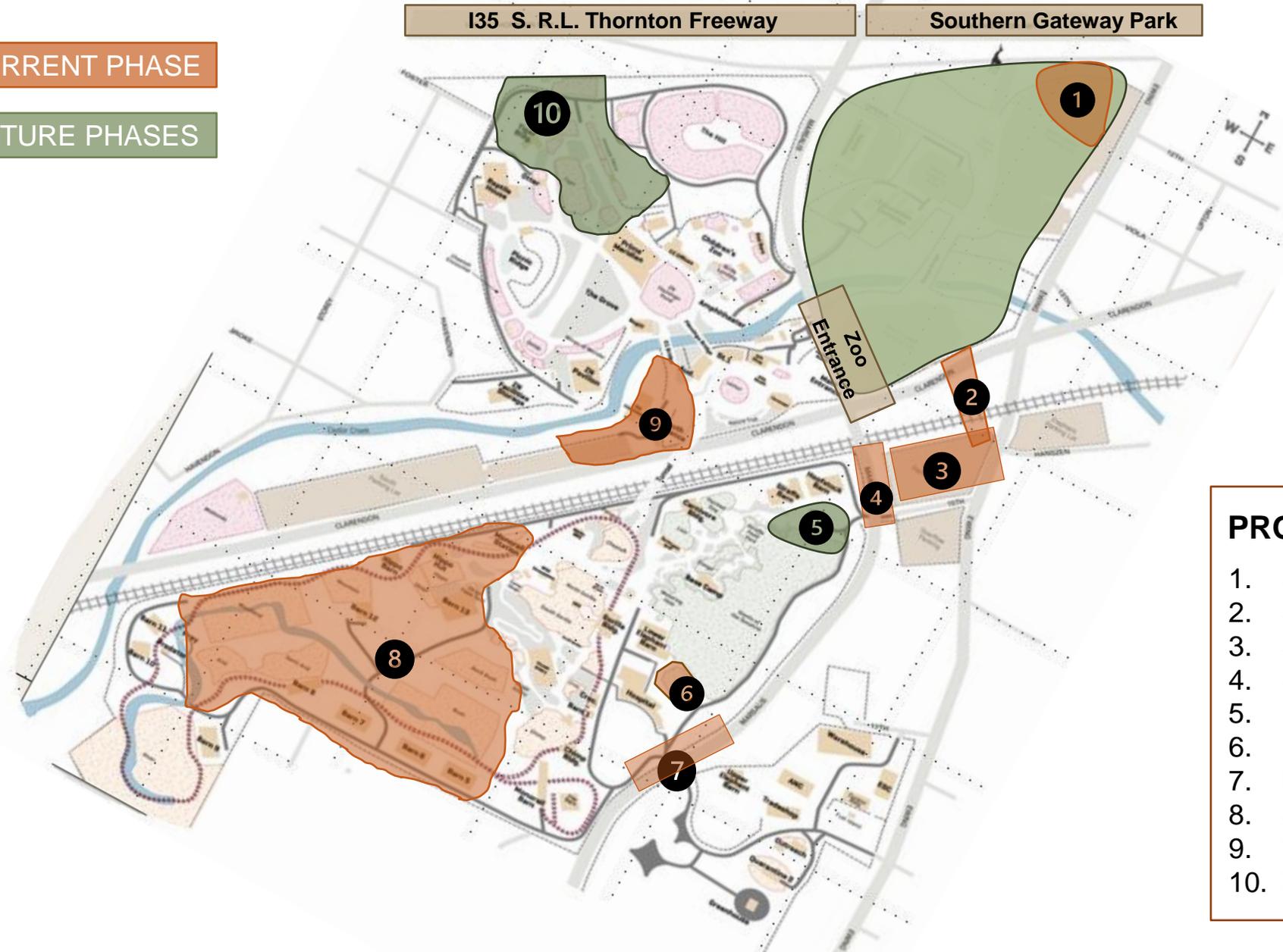
FUTURE PHASES



City of Dallas



Dallas
Park & Recreation



PROJECT KEY (clockwise)

1. SGP Connection
2. S. Garage Xing
3. S. Parking Garage
4. Savanna Entry Gate
5. Event Center & Campground
6. Elephant Great Room
7. Marsalis Security Screen
8. Safari Trail
9. Wild Earth Discovery Center
10. Zoo North Refresh



Safari Trail: The Marquee Project

- Reactivates 15 acres of park land
- Half-mile safari-like walking trail experience
- New home for 24 species
- Rhinos return to Dallas
- Only US Zoo with rhino and cheetah mixed species habitat

Elephant Great Room

- Leaders in elephant care
- Growing, multi-generational family herd
- Climate-controlled indoor space
- Freedom to move in and out



Omaha Zoo



Wild Earth Discovery Center

- Only full-time nature-based preschool in North Texas
- 4X classroom space
- Multiuse auditorium
- Outdoor classroom
- Orientation space for field trips
- Enhanced secondary Zoo entrance



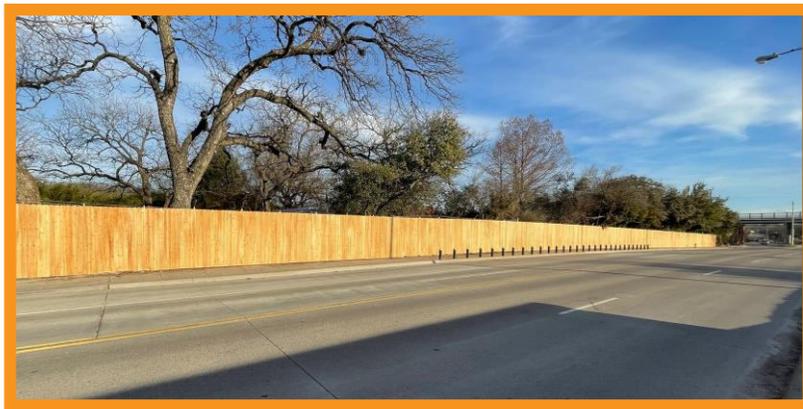
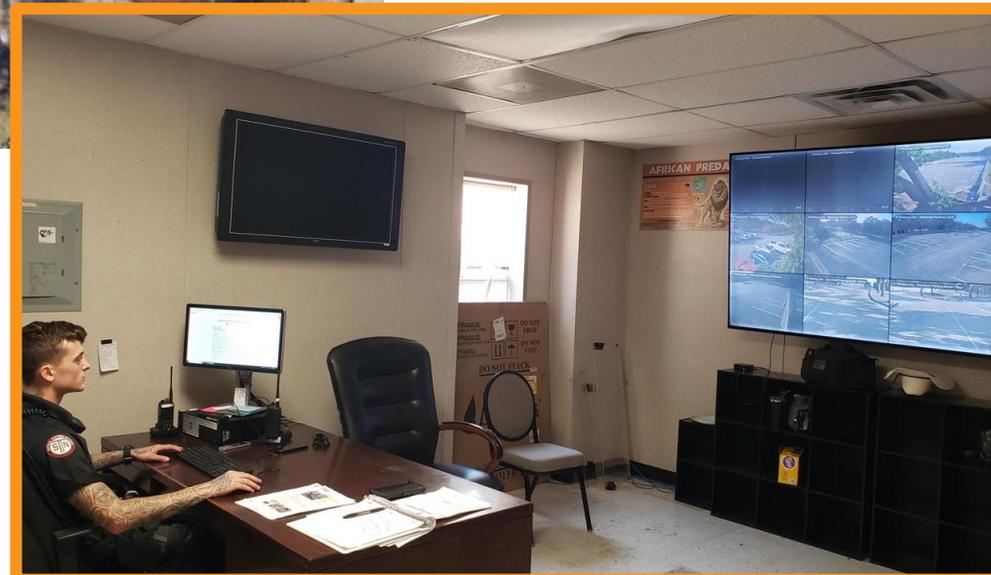
South Parking Garage

- 580 parking spaces
- Shared resource for Zoo and Southern Gateway Park
- New pedestrian connections for safe access to Zoo and Southern Gateway Park
- Leverages \$3.5M from 2017 bond program
- Secured \$10M in additional federal funding from NCTCOG
- Total cost to build: \$16M



Safety & Security

- The Zoo invested more than \$1.1M in security upgrades in last year
- Bond request will support ongoing investment in security enhancements to ensure a safe Zoo and benefit our surrounding neighborhoods.



Thank You





City of Dallas

1500 Marilla Street
Council Chambers, 6th Floor
Dallas, Texas 75201

Agenda Information Sheet

File #: 24-500

Item #: B.

Dallas Water Commons

[Ryan O'Connor, Assistant Director, Parks and Recreation; David Marquis and Melanie Ferguson, Dallas Water Commons]



**DALLAS
WATER
COMMONS**

[Click on logo above to see our introductory video](#)

Purpose

- **Overview of Dallas Water Commons**
- **Development and Funding Agreement**
- **Future Phases**
- **Next Steps**



Dallas Water Commons



Dallas Wetlands
Foundation



City of Dallas



Dallas
Park & Recreation



dallas water utilities

Public Partner



MATTHEWS SOUTHWEST

Land Contribution for Constructed Wetlands



Location

The Project area is approximately 17 total common acres (public and private combined).



Able Sump System

MAINTAIN



Flood Prevention

CREATE



A Natural Park That Enhances Water Quality Through Filtration

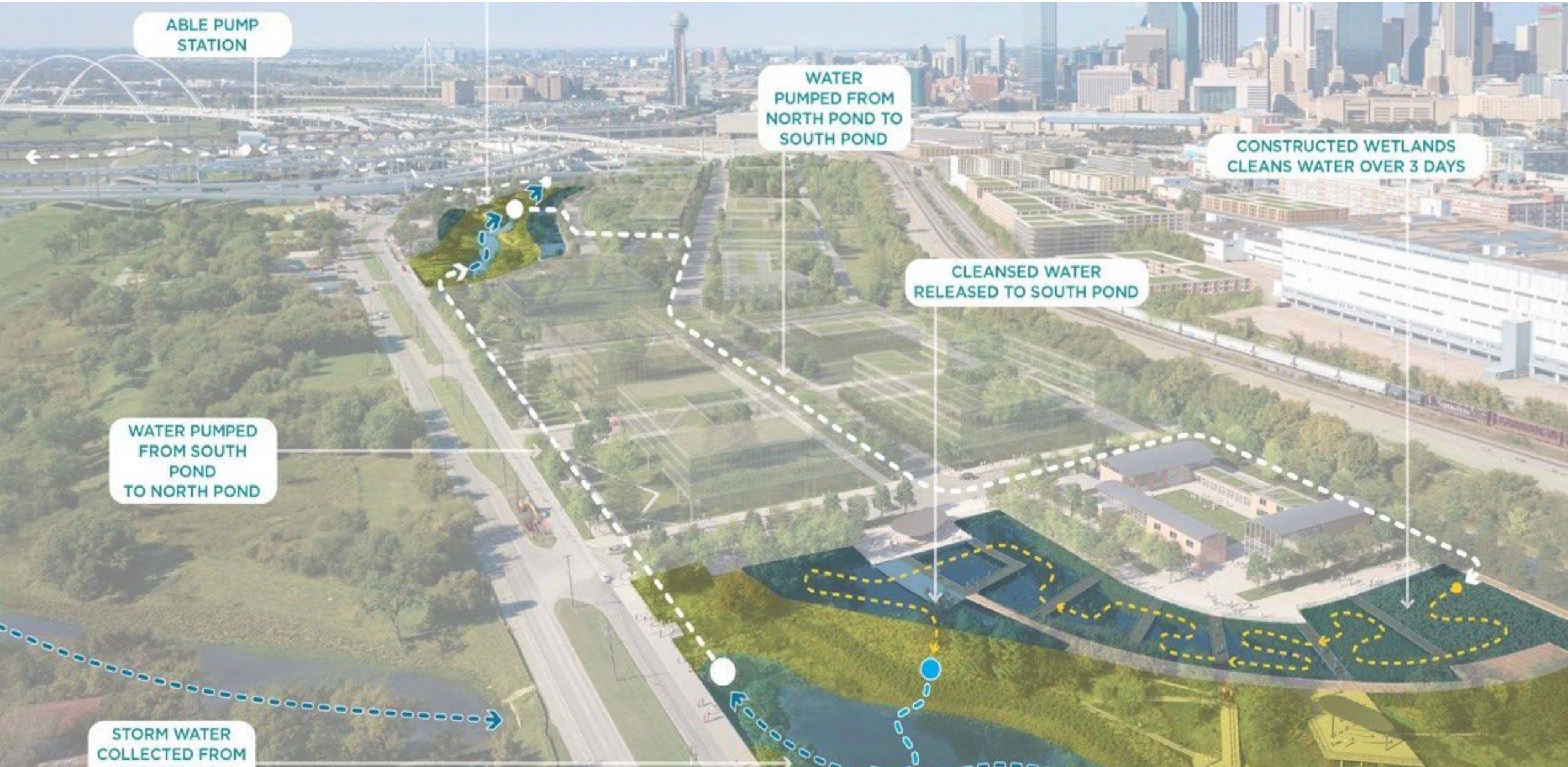
EDUCATE



Urban Water Lab



Park + : How it Works





DEEP POOL — 4'

EMERGING AQUATIC

- Nigella Lotus
- Nelumbo lutea
- Duckweed
- Lemna aquiculinalis
- Lemna perpusilla
- White Water Lily
- Nymphaea odorata

SUBMERGED PLANTS

- Water Hyacinth
- Potamogeton nodosus
- Ceratophyllum demersum
- Sago Pondweed
- Stuckenia pectinatus
- Southern Water Nymph
- Najas quadrilupensis
- Water Stargrass
- Heteranthera dubia

requires careful placement
these can clog ponds if
not maintained



TRANSITION — 18"

EMERGENT PLANTS

- Pickerweed
- Pontederia cordata
- Softstem bulrush
- Schoenoplectus tabernaemontani



SHALLOW WATER — 6"

GRASS / GRASSLIKE

- Rattlesnake / Shoreline Sedge
- Carex hyalinolepis
- Juncus
- J. acuminatus
- J. brachyphyllus
- J. effusus
- J. marginatus
- J. texanus
- J. torreyi

HERBACEOUS

- American Bur-reed
- Schoenoplectus pungens
- American Waterwillow
- Sparganium angustifolium
- Broadleaf Arrowhead
- Sagittaria arifolia
- Dwarf Spikerush
- Eleocharis pycnostachya
- Pennywort
- Hydrocotyle rugunculoides



- Texas Spider Lily
- Hymenocallis liriosme
- Burhead
- Echinodorus berterioi
- Short Beak Arrowhead
- Sagittaria brevirostra
- Humped Bladderwort
- Utricularia gibba



TEMPORARY INUNDATION

HERBACEOUS

- Frory's sedge
- Carex emoryi
- Hyaline-Scale Carex Sedge
- Carex hyalinolepis
- Halbeard Hibiscus
- Hibiscus laevis
- Knotgrass
- Paspalum distichum
- Tall Paspalum
- Paspalum floridanum
- Sharp-Scale Spike-Rush
- Elyocharis acutisquamata
- Large-Spike Spike-Rush
- Elyocharis nutisquamata
- Yellow Sida
- Lobelia siphilitica
- Bushy Bluestem
- Andropogon glomeratus
- Aquatic Milkweed
- Asclepias perennis
- Smooth Regentree
- Didymis laevis
- March Buttercup
- Ranunculus hispidus



- Showy Whitetop
- Rhynchospora rivea
- Prairie Cord Grass
- Spartina pectinata
- Woolgrass
- Scirpus cyperinus
- Purple Three Awn
- Aristida purpurea
- Swamp milkweed
- Asclepias incarnata
- Sedge
- Carex sp.
- Bur-reed
- Eleocharis occidentalis
- Cardinal Flower
- Lobe-lo cardinalis
- Rose Mallow
- Hibiscus lasiocarpus



UPPER BANK

GRASS / GRASSLIKE

- Switchgrass
- Panicum Virgatum
- Big Bluestem
- Andropogon gerardii
- Indian Grass
- Sorghastrum nutans
- Eastern Crama Grass
- Tripsacum dactyloides
- Creek Sedge
- Carex blanda
- Cherokee Bluestem
- Chasmodon latifolius

PERENNIALS

- Blue Wild Indigo
- Euphorbia australis
- Mistflower
- Helianthus scaberrimus
- Maxmillian Sunflower
- Helianthus maximiliani
- Smooth Penstemon
- Ranunculus digitalis
- Narrowleaf Blue-eyed Grass
- Sisyrinchium angustifolium
- Giant Goldenrod
- Solidago gigantea



- Southern Shield Fern
- Thelypteris Kunthii
- Purple Meadow Rue
- Thalictrum dasycarpum
- Death Camass
- Zigadenus elegans

SHRUBS

- Common Elder
- Syringa

TREES

- Red Oak
- Quercus macrocarpa
- Spottedwood
- Populus deltoides
- Pecan
- Carya illinoensis
- Bitter-Nut Hickory
- Carya illinoensis
- Beck Willow
- Salix nigra
- Green Ash
- Fraxinus pennsylvanica
- Water Ash / Hop-tree
- Prunella trifoliata
- American Sycamore
- Platanus occidentalis



Working Urban Wetlands that Filter Water

A Park That is a Living Classroom





Original Riverbed Restored to Park+

2023 Awards

- American Society of Landscape Architects (ASLA) Excellence Award
- Metropolis Magazine (Architecture and Design) – Innovation Category for Best Unbuilt Project
- Greater Dallas Planning Council Dream Project Award - Honorable Mention

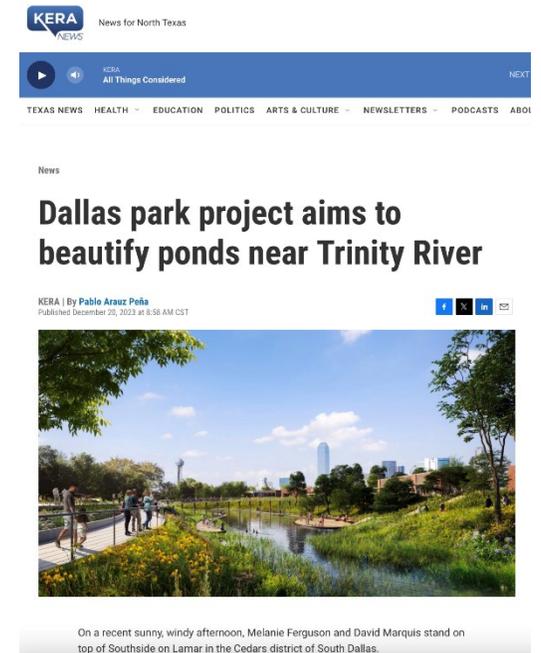
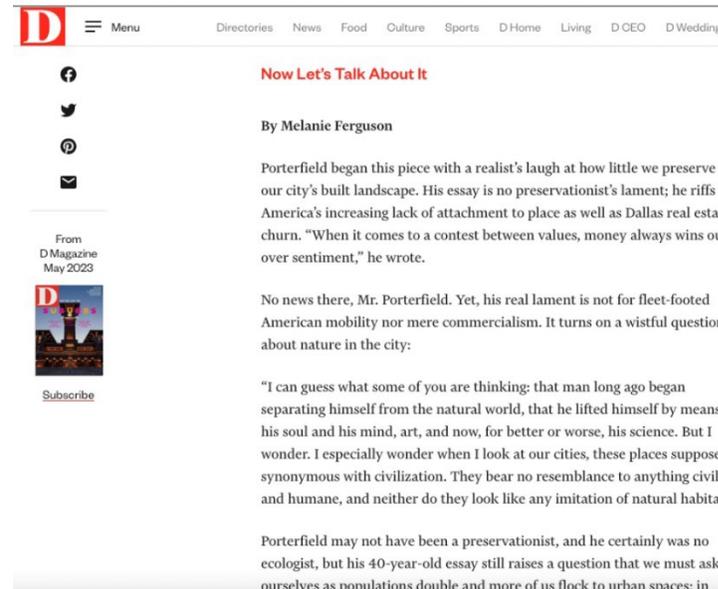


American Society of
Landscape Architects



Recent Press

- Board member Vicki Meek and project featured in Dallas Morning News' Forward DFW.
- D Magazine Melanie Ferguson byline in support of conversation about the nature of urban water.
- KERA December 20th feature by Growth and Infrastructure Reporter Pablo Pena.



Development & Funding Agreement

- Agreement is between the City and Dallas Wetlands Foundation (DWF)
- Includes financial obligations:
 - \$7.5M in 2017 Park Proposition Matching Funds Category
 - \$7.5M in Dallas Wetlands Foundation contribution to access City funding (match)
- Includes roles and responsibilities:
 - Design to be completed by DWF and donated to City
 - Requires City and US Army Corps of Engineers (USACE) review and approval
 - Requires City and USACE approval and becomes integrated into City requirements for annual regulatory compliance
 - Construction to be bid and awarded by the City in partnership with DWF and subsequently consider assignment to DFW for management with oversight by the City



Future Use Agreement

- Requires Operations and Maintenance (Use) Agreement to be completed prior to construction
- DWF anticipated to perform O&M for enhancements and City to perform all flood risk management O&M

Schedule

2023 2024 2025 2026 2027

Permitting and Detailed Design

Groundbreaking

Construction (18-24 Months Per Pond)

Amenities Buildout

Future Phase of Project

- DWF preparing for future phase of development
- Current cost estimate: \$45M
- Working with City, businesses, elected officials, philanthropic and granting agencies for capital requirements
 - Requested \$4M as a matching project in proposed 2024 Bond Program

Next Steps

- **Consideration of Development Agreement on February 14th City Council agenda**
- **Complete design and permitting**
- **Begin Construction**
- **Finalize O&M Agreement for future consideration**
- **DWF to continue to raise funds for future phases of Dallas Water Commons**





**DALLAS
WATER
COMMONS**





City of Dallas

1500 Marilla Street
Council Chambers, 6th Floor
Dallas, Texas 75201

Agenda Information Sheet

File #: 24-502

Item #: C.

Updated CECAP Considerations for 2024 Bond Program
[Carlos Evans, Director, Office of Environmental Quality & Sustainability; Natalie Requenez,
Environmental Justice Coordinator, Office of Environmental Quality & Sustainability]

Updated CECAP Considerations for 2024 Bond Program

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

The logo of the City of Dallas, featuring a stylized white 'D' with a leaf inside, set against a dark blue background with a fine white grid pattern.

City of Dallas

Carlos Evans, Director
Natalie Requenez, Environmental Justice Coordinator
Office of Environmental Quality & Sustainability

Overview



Background

- Bond History/Precedent
- Existing “Green” Policies
- Sustainable Procurement Policy

Environmental Commission Recommendations

- Buildings
- Other Infrastructure

2024 Bond CECAP Implementation

- Timeline
- Project Specific Focus Areas

Next Steps



Dallas Fire Station No. 6, LEED™ Platinum



- City leads by example by ensuring the CECAP is integrated into 2024 Bond Program
- City meets CECAP goals through achievable and aspirational performance criteria



Moody Performance Hall

Bond and City History/Precedent



Bond Programs

- 2003 - LEED™ Silver
- 2006, 2012, 2017 - LEED™ Gold

2013 Dallas Green Construction Code

- LEED™ certifiable
- 20% water use reduction

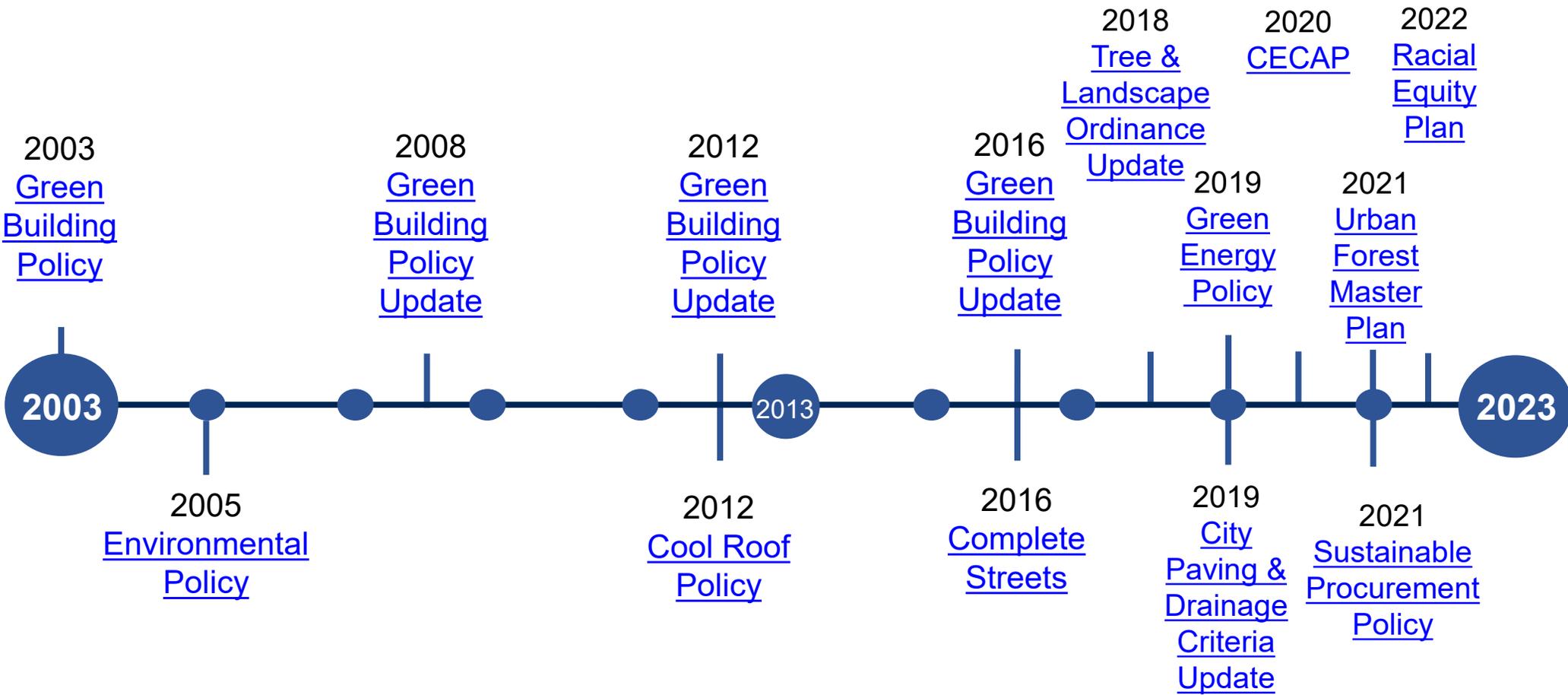
CECAP (2020)

Sustainable Procurement (2021)

2021 International Construction Code Standards (2023)



Existing “Green” Policies Timeline



Sustainable Procurement Policy



Trinity River Audubon Center, LEED™ Gold

Resolution # 21-0908 adopted by Dallas City Council on May 26, 2021

“Comprehensive Sustainable Procurement Policy to guide purchasing decisions to positively impact the City's social, economic, and environmental health”

Implemented through a working group of affected departments that is charged with:

- Maintaining Environmentally Preferred Products lists (EPP);
- Identifying sustainability labels/standards to use in writing specifications;
- Analyzing citywide purchases for efficiency and waste reduction opportunities;
- Recommending social, economic, and environmental contracting aspects under the City's Administrative Directive 4-05



Environmental Commission Recommendations: LEED™ vs. SITES vs. Envision



Baseline Recommendations

Stretch Goals

LEED™
Zero
Carbon

Energy
Star®

Architecture
2030

Living
Building
Challenge



LEED™
Gold
Buildings

SITES

Envision
Infrastructure



Stretch Goals

Pathfinder

Smart
Surfaces

Park
Smart

Green Button®, Embodied Carbon Disclosure, Top 20%
Energy Star® rate for appliances, Reduce Energy Use
Intensity



Environmental Commission Baseline Recommendations (Buildings)



Implement Technical Specification language

- To require [LEED Gold™](#) Certification with minimum performance criteria
- Significantly reduce Energy Use Intensity based on National EPA Energy Star® or equivalent benchmark
 - Specify Top 20% Energy Star® rate for all appliances & equipment
- Require Embodied Carbon Disclosure (ECD), a.k.a. Environmental Products Declarations (EPD), for select materials at time of procurement
 - A disclosure details the amount of embodied carbon (greenhouse gas emissions) products contain during its full lifetime
- Implement Use of Green Button®
 - Green Button® is a free Department of Energy tool that incorporates energy data to make it more transparent and to help meet benchmarks



*Vickery Park Branch Library,
Architecture 2030/ LEED™ Gold BD+C*



Pick One: Stretch Goal - Buildings



Considerations for pilot project opportunities for [LEED™ Zero Carbon](#)

Implement [Architecture 2030](#) framework using zero-code.org/resources, for advanced efficiency and electrification, or similar resources

Meet an [established efficiency threshold \(Energy Star® score or EUI through a building performance standard\)](#)

Design smart, efficient buildings with [distributed renewable energy that are grid-integrated](#) and play a critical role in electricity generation, peak load management and storage

Consider piloting [International Living Future Institute \(ILFI\)](#) design principles for petal certification



Environmental Commission Baseline Recommendations (Infrastructure)



Implement Technical Specification language

- Require Envision or SITES certification to achieve site credits
- Significantly reduce Energy Use Intensity based on National EPA Energy Star® or equivalent benchmark
 - Specify Top 20% Energy Star® rate for all appliances & equipment

Require Embodied Carbon Disclosure (ECD/EPD) for select materials at time of procurement

Implement Use of Green Button®

- Green Button® is a free DOE tool that incorporates energy data to make it more transparent and to help meet benchmarks

Singing Hills Recreation Center, Architecture 2030



Pick One: Stretch Goal - Sites/Infrastructure



Implement the Climate Positive Design Challenge including tools such as [Pathfinder](#) for landscape design and related targets in performance specifications

Rethink surfaces holistically using the [Smart Surfaces](#) tools. Limit hard, impervious, dark surfaces

Make parking more sustainable and higher performing by incorporating the principles of [Parksmart](#)



Forest Green Library, LEED™ Gold BD+C



Comprehensive Environmental & Climate Action Plan (CECAP)



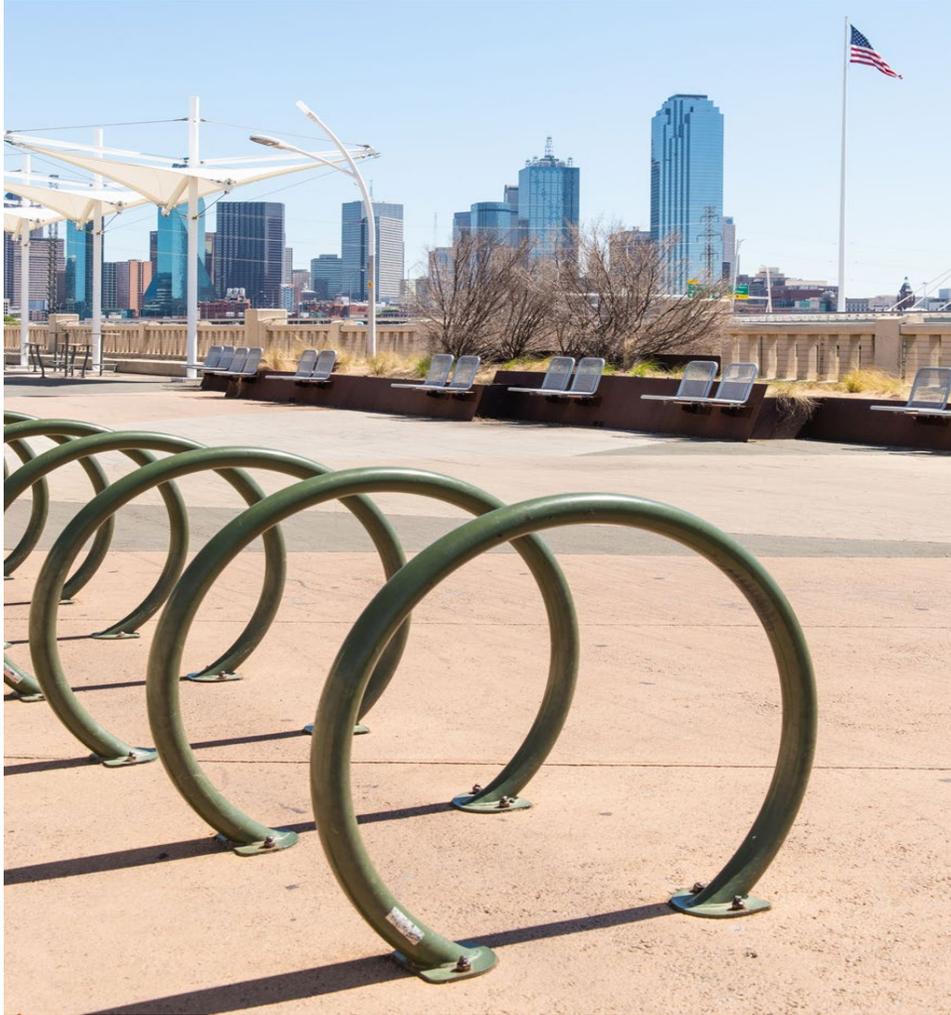
Adopted unanimously by Dallas City Council on **May 27, 2020**

“With equity and inclusion as core values, the CECAP proposes solutions that will improve our natural environment, our education and economic outcomes, the affordability of our housing stock, and our transportation systems.”

Mayor Eric Johnson



(8) Eight CECAP Goals



ALL DALLAS' COMMUNITIES BREATHE CLEAN **AIR**.



DALLAS' **BUILDINGS** ARE ENERGY-EFFICIENT AND CLIMATE RESILIENT.



DALLAS GENERATES AND USES RENEWABLE, RELIABLE, AND AFFORDABLE **ENERGY**.



ALL DALLAS' COMMUNITIES HAVE ACCESS TO HEALTHY, LOCAL **FOOD**.



DALLAS PROTECTS AND ENHANCES ITS ECOSYSTEMS, TREES AND **GREEN SPACES** THAT IN TURN IMPROVE PUBLIC HEALTH.



DALLAS' COMMUNITIES HAVE ACCESS TO SUSTAINABLE, AFFORDABLE **TRANSPORTATION** OPTIONS.



DALLAS PROTECTS **WATER RESOURCES** AND ITS COMMUNITIES FROM FLOODING AND DROUGHT.



DALLAS IS A **ZERO WASTE** COMMUNITY.



Key Targets & Goals



Buildings

- Advance Net Zero Energy Goal for New Construction
- Reduce Energy Use In Existing Buildings
- Increase Climate Resilience for new and old buildings



Energy

- Increase Solar Power Generated Energy
- Increase Reliability During Extreme Weather Events
- Ensure affordable access to renewable electricity



Transportation

- Increase Access to Safe Walking and Biking Options
- Increase EV Infrastructure
- Ensure Infrastructure is Reliable and Safe under all weather conditions
- Use fuel efficient transport



Zero Waste

- Increase Landfill Diversion



Water

- Better Protect Neighbors from Flooding
- Better Protect Water Quality/Water Bodies
- Increase Water Conservation



Ecosystems

- Better ensure a cleaner ecosystem
- Increase Park, Trail, and Green Space Access
- Increase Tree Canopy
- Reduce Heat Island Effect



Air

- Ensure attainment of air quality standards
- Increase Tree Canopy, Parks, Trails, and Green Space
- Increase Building Efficiency
- Synergize Housing and Transportation

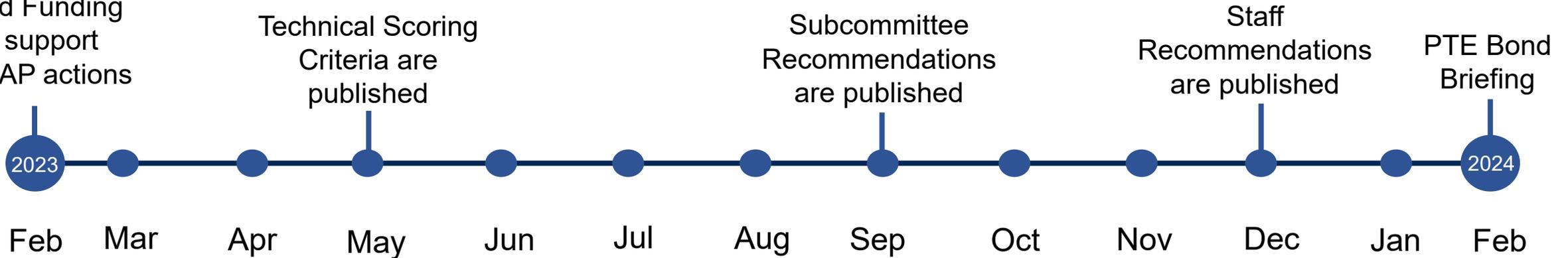


2024 Bond CECAP Implementation Efforts Timeline



The purpose of these meetings and conversations were to highlight the efforts departments made to meet CECAP Goals and identify new potential advancements.

Memo for 2024
Bond Funding
to support
CECAP actions



Departments & Committees finalize bond project lists

OEQS assisted departments [integrate CECAP into the project scoring criteria](#); [briefed ENVS Committee](#) on EVC Recommendations

OEQS provided [project support](#) for committees and departments, as needed

OEQS [develops implementation strategies](#) with **ALL** department leaders from: BCM, BSD, DWU, Housing, Libraries, PBW, Parks, OAC, OHS, Transportation



2024 Bond Scoring Criteria



- Prior to the summer, Departments scored Bond Projects based on Technical Scoring Criteria
- The criteria were individualized for each department based off their responsibilities and specifications
- OEQS supported the development of scoring criteria
- The scoring criteria were published on May 5, 2023



2024 Bond Project Implementation



- Planning based on December 1, 2023, Staff Recommendations
- Conversations with department leaders informed OEQS identify which projects advance CECAP goals



Jack Evans Police Headquarters LEED™ 2.0 Silver



Streets and Transportation Projects



Key Strategies:

- Complete Streets Policy
- Design and Construction Standards (e.g., Sustainability)
- Green Cement
- Envision/SITES & Stretch Goal
- Traffic Signal Coordination
- LED Streetlights
- Embodied Carbon Disclosure (ECD/EPD)*
*Pending Review

Select Benefits:



Increase Access to Safe Walking and Biking Options



Ensure Infrastructure is Reliable and Safe under all weather conditions



Better Protect Neighbors from Flooding



Better Protect Water Quality/Water Bodies



Increase Tree Canopy



Reduce Heat Island Effect



Synergize Housing and Transportation





Projects Include:

Aquatics, Playgrounds, Recreation Centers, Others

Key Strategies:

- LEED™/Equivalent (Buildings) & Stretch Goal
- Envision/SITES & Stretch Goal
- Embodied Carbon Disclosure (ECD/EPD)
- Energy Benchmarking with Energy Star® Portfolio Manager

Select Benefits:



Increase Park, Trail, and Green Space Access



Increase Tree Canopy



Reduce Heat Island Effects



Advance Net Zero Energy Goal for New Construction



Reduce Energy Use In Existing Buildings



Cultural Arts, Fire, Libraries, Other Critical Facility Projects



Projects Include:

Multiple repair issues and upgrades in individual buildings for theatres, fire stations, and libraries

Key Strategies:

- LEED™/Equivalent & Stretch Goal
- Efficient & Energy Star® Appliances (e.g., HVAC Replacements)
- Smart Surfaces (Rooftop & External Repairs)
- Tank Replacement (DPD, ITS, EFM)
- Embodied Carbon Disclosure (ECD/EPD)

Select Benefits:



Increase Building Efficiency



Reduce Energy Use in Existing Buildings



Increase Water Conservation



Reduce Heat Island Effect



Better ensure a cleaner ecosystem



Flood Management, Storm Drainage Erosion Control Projects



Key Strategies:

- Stormwater Requirements (e.g., 2019 Paving and Drainage Design Criteria)
- Tree and Landscape Ordinance
- Envision/Sites & Stretch Goal
- Embodied Carbon Disclosure (ECD/EPD)*
*Pending Review

Select Benefits:



Improved Stormwater Management



Improved Water Quality



Preserve Tree Canopy



Advance Net Zero Energy Goal for New Construction



Department of Housing & Neighborhood Revitalization Projects



Key Strategies:

- LEED™/Equivalent (scoring)
- Efficient & Energy Star® Appliances (e.g., HVAC Replacements)
- Embodied Carbon Disclosure (ECD/EPD)*

*Pending Review

Evaluating advancement of:

- Solar Installation
- Incentives for Parking Reductions
- EV Parking Infrastructure
 - Will Comply with 2021 ICC Standards
 - (e.g., EV readiness/capable)

Select Benefits:



Advance Net Zero Energy Goal for New Construction



Reduce Energy Use In Existing Buildings



Increase Solar Power Generated Energy



Increase access to Renewable Energy



Build a regional strategic partnership to promote adoption of renewable energy



Ensure attainment of air quality standards



Next Steps



- Provide Model Language for RFP/NOFA Processes
- Provide support as appropriate during project identification and implementation
- Track project implementation and evaluate climate and environmental benefits





Questions?



Appendices



Envision Program



- Envision applies to infrastructure, as LEED™ does for habitable buildings.
- Guides project teams to more sustainable design and social impact of ‘quality of life,’ including collaboration and long-term economic impact and resilience.
- Founded in 2010 by the American Public Works Association, American Council of Engineering Companies and American Society of Civil Engineers (ASCE).



TRWD/ DWU Integrated Pipeline Project



SITES Program



Perot Museum of Nature & Science

- [SITES](#) certification is for parks and other project sites with or without buildings.
- Framework for designing, developing and managing/maintaining sustainable and resilient landscapes and supporting nature positive design.
- Complementary w/ City's LEED™ Gold requirement
- **Program Goals**
 - 1) Transform the market through design, development and O&M practices
 - 2) Create regenerative systems that foster resilience (flood control, urban heat island, community space, etc)
 - 3) Protect and ensure access to future resources & mitigate climate change (clean air/ water, open space, etc)
 - 4) Enhance human well-being and strengthens community.



EVC-SPI & Expert Panel Members



EVC SPI Committee: Julie Hiromoto, FAIA, Living Future Accredited, WELLAP, LEED™ AP | Alan Hoffmann, CGB, CGP | David Marquis | Colleen Murray, DVM | Michael Martin | Dr. Barry Lachman

Expert Panel Members

- Vincent Martinez and Erin McDade ([Architecture 2030](#))
- Meghan C. Lewis, Jordan Palmeri and Megan Kalsman ([Carbon Leadership Forum](#), [EC3](#))
- [Stacy Smedley and Don Davies](#) ([Building Transparency](#), [EC3 calculator](#))
- [Lindsay Baker](#) ([International Living Future Institute](#))
- Liz Beardsley, Jennifer Gundy and Wes Sullens ([US Green Building Council](#), [LEED™](#))
- [Anthony Kane](#) ([Institute for Sustainable Infrastructure](#), [Envision rating system](#))
- [Vivian Loftness](#) ([National Academy of Sciences and Carnegie Mellon University](#))
- [Greg Katz](#) ([Smart Surfaces Coalition](#))
- Paul Wessel, Danielle Pieranuzi (USGBC/ GBCI, Parksmart and Sites)
- Pamela Conrad (Climate Positive Design, [Pathfinder tool](#))
- Jennifer Goupil, Michael Gryniuk, (Structural Engineering Institute, [SE 2050](#))



Building Opportunities Moving Forward:



- Other LEED™ Programs
- International Green Building Construction Code (2021)
- Building Industry Design Challenges:
 - [AIA Architecture 2030 Challenge \(2006\)](#)
 - [ILFI Living Building Challenge \(2020\)](#)
 - [Mechanical-Electrical-Plumbing 2040 Challenge \(2021\)](#)
- WELL Building / Fitwel (2020) focused on indoor health
- Building Decarbonization Code (NBI/ US DOE – National Renewable Energy Laboratory) (2021)



Other LEED™ Programs



- **LEED™ + Water Conservation and Energy Efficiency** – current version
- **LEED™ Retrofit or Existing Buildings** provides guidance for sustainable retrofit design
- **LEED™ for Operations and Maintenance (O+M)** offers existing buildings an opportunity to address building operations, by supporting buildings and interior spaces
- **LEED™ Zero Carbon** recognizes net zero carbon emissions from energy consumption through carbon emissions avoided or offset over a period of 12 months.
- **LEED™ Zero Energy** recognizes a source energy use balance of zero over a period of 12 months.
- **LEED™ Zero Water** recognizes a potable water use balance of zero over a period of 12 months.
- **LEED™ Zero Waste** recognizes buildings that achieve Green Business Certification Institute's TRUE certification at the Platinum level.



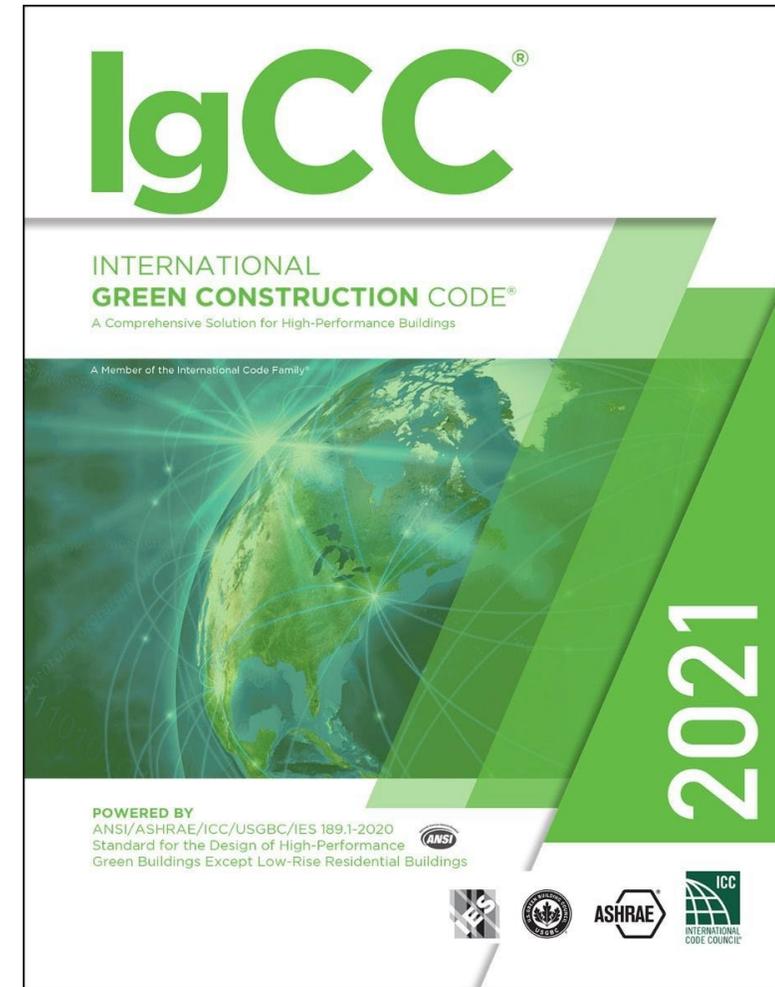
Bank of America Plaza, Dallas



International Green Building Construction Code (IgCC)(2021)



- Released by the International Code Council, the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) and the U.S. Green Building Council (USGBC), and the Illuminating Engineering Society (IES)
- Provides communities with model code language to achieve sustainability in building stock
- Includes ANSI/ASHRAE/IES 189.1 – 2020 Standards the Design of High Rise Performance Green Buildings (Except Low Rise Residential Buildings)
- Correlates with the International Energy Conservation Code, ASHRAE Standard 90.1 and other referenced standards
- Streamlines code development and adoption, saving time and money, for uniformity among adopting jurisdictions

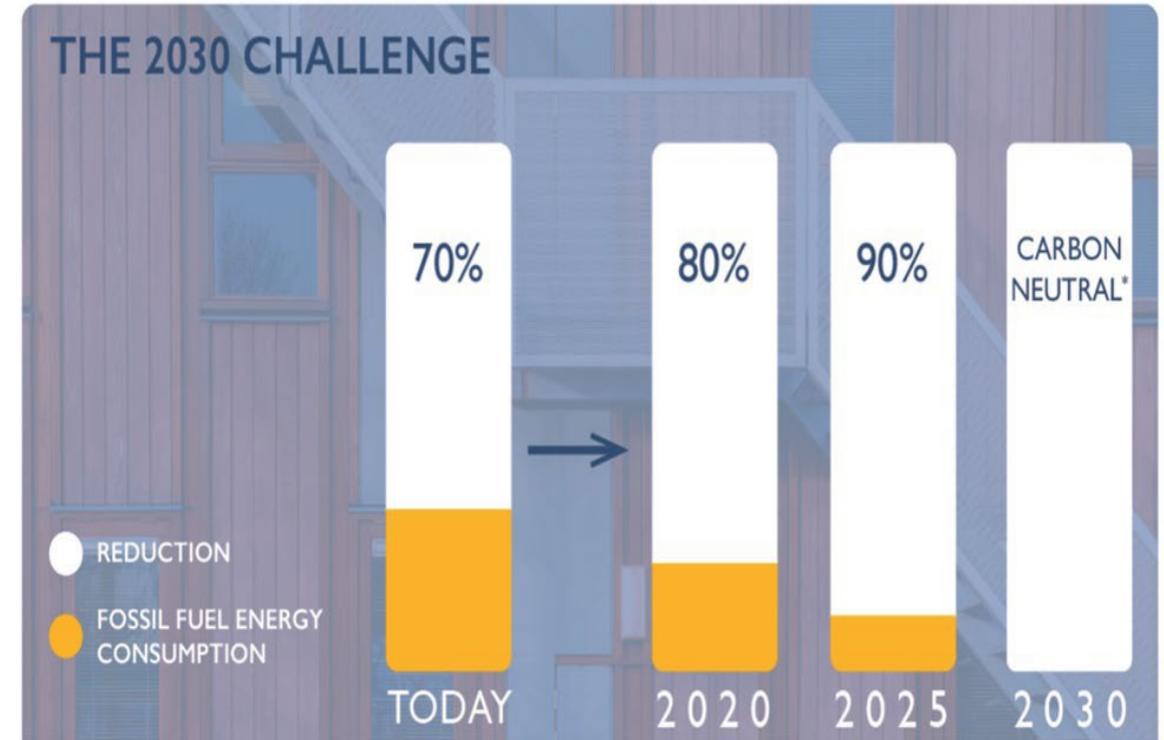


AIA Architecture 2030 Challenge



The American Institute of Architects created the [2030 Commitment Program](#) in 2006, basically challenging architects to holistically respond to the climate crisis. Over 400 A/E/P firms have adopted this Commitment.

- Establishing an Energy Use Intensity (EUI) baseline and target.
- Applying low/no cost passive design strategies to maximize energy efficiency
- Integrating energy efficient technologies and systems.
- Incorporating on-site and/or off-site renewable energy to meet the remaining energy demands.
- Performing iterative energy modeling throughout the design to assess progress towards meeting the EUI target.



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International WELL Building Standard



- People-first approach to buildings, organizations, and communities
- [WELL Building Standard](#) (WELL): A roadmap for creating/certifying spaces that advance human health and well being
- Aligned with UN Sustainable Development Goals (SDGs)
- “Sets pathways for accomplishing health-first factors that help us to do our best work and be our best selves by supporting our physical and mental health across 10 core concepts”



International Living Future Institute: Living Building Challenge 4.0



[The Living Building Challenge](#) certifies building projects through seven criteria to implement a comprehensive and holistic approach.

SUMMARY MATRIX

The Living Building Challenge is composed of 20 Imperatives grouped into seven petals. Some Imperatives are not required for all Typologies.

PETAL	IMPERATIVE	TYPOLOGY			
		New Building	Existing Building	Interior	Landscape + Infrastructure
PLACE	1 Ecology of Place	Imperative Required	Requirement Dependent	Not Required	Imperative Required
	2 Urban Agriculture	Imperative Required	Imperative Required	Not Required	Not Required
	3 Habitat Exchange	Imperative Required	Imperative Required	Imperative Required	Imperative Required
WATER	4 Human Scaled Living	Imperative Required	Requirement Dependent	Requirement Dependent	Not Required
	5 Responsible Water Use	Imperative Required	Imperative Required	Imperative Required	Imperative Required
ENERGY	6 Net Positive Water	Imperative Required	Imperative Required	Not Required	Imperative Required
	7 Energy + Carbon Reduction	Imperative Required	Imperative Required	Imperative Required	Imperative Required
HEALTH + HAPPINESS	8 Net Positive Energy	Imperative Required	Imperative Required	Imperative Required	Imperative Required
	9 Healthy Interior Environment	Imperative Required	Imperative Required	Imperative Required	Not Required
MATERIALS	10 Healthy Interior Performance	Imperative Required	Imperative Required	Imperative Required	Imperative Required
	11 Access to Nature	Imperative Required	Imperative Required	Imperative Required	Imperative Required
	12 Responsible Materials	Imperative Required	Imperative Required	Imperative Required	Imperative Required
	13 Red List	Imperative Required	Imperative Required	Imperative Required	Imperative Required
EQUITY	14 Responsible Sourcing	Imperative Required	Imperative Required	Imperative Required	Imperative Required
	15 Living Economy Sourcing	Imperative Required	Imperative Required	Imperative Required	Imperative Required
	16 Net Positive Waste	Imperative Required	Imperative Required	Imperative Required	Imperative Required
BEAUTY	17 Universal Access	Imperative Required	Requirement Dependent	Requirement Dependent	Requirement Dependent
	18 Inclusion	Imperative Required	Imperative Required	Imperative Required	Imperative Required
BEAUTY	19 Beauty + Biophilia	Imperative Required	Imperative Required	Imperative Required	Imperative Required
	20 Education + Inspiration	Imperative Required	Imperative Required	Imperative Required	Imperative Required

- CORE IMPERATIVE
- SCALE JUMPING ALLOWED
- HANDPRINTING IMPERATIVE
- IMPERATIVE REQUIRED FOR TYPOLOGY
- REQUIREMENT DEPENDENT ON SCOPE
- NOT REQUIRED FOR TYPOLOGY



Fitwel Standards



The [Fitwel Scorecards](#) include 55+ evidence-based design and operational strategies that enhance buildings by addressing a broad range of health behaviors and risks:

- Impacts Surrounding Community Health
- Reduces Morbidity and Absenteeism
- Supports Social Equity for Vulnerable Population
- Instills Feelings of Well-Being
- Enhances Access to Healthy Foods
- Promotes Occupant Safety
- Increases Physical Activity



Building Decarbonization Guide (NBI/ RMI)



- Provide sample language to use as a Code Overlay to meet cities' goal for Net Zero Emissions
- Based on International Code Councils' 2021 International Energy Conservation Code
- Provides sample code amendments for commercial and residential buildings under all electric and mixed fuel energy
- Primary emphasis on solar energy, battery storage, electrical vehicles and demand response systems



Updated CECAP Considerations for 2024 Bond Program

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

The logo of the City of Dallas, featuring a stylized white 'D' with a leaf inside, set against a dark blue background with a fine white grid pattern.

City of Dallas

Carlos Evans, Director
Natalie Requenez, Environmental Justice Coordinator
Office of Environmental Quality & Sustainability



City of Dallas

1500 Marilla Street
Council Chambers, 6th Floor
Dallas, Texas 75201

Agenda Information Sheet

File #: 24-503

Item #: D.

Consent Decree Termination and Path Forward

[M. Elizabeth (Liz) Cedillo-Pereira; Carlos Evans, Director, Office of Environmental Quality and Sustainability]

Memorandum



CITY OF DALLAS

DATE February 5, 2024

TO Honorable Mayor and Members of the City Council

SUBJECT **Consent Decree Termination and Path Forward**

As you are aware, the City of Dallas has been operating under a 2006 negotiated Consent Decree (CD) (Civil Action No. 3:06-cv- 00845) in response to allegations of violations of the Clean Water Act, Resource Conservation and Recovery Act, and chapter 26 of the Texas Water Code originally raised in a notice of violation from the EPA in 2004. The CD included a number of compliance obligations such as the implementation of an Environmental Management System (EMS), development of best management practices related to inspection of industrial and construction sites, and completion of two supplemental environmental projects.

Since 2008, the City has successfully:

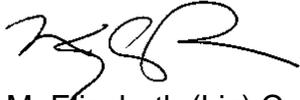
- Received and maintained ISO 140001 Environmental Management System certification;
- Developed a robust inspection program that conducted approximately 22,014 industrial stormwater compliance inspections, 121,788 construction stormwater compliance inspections, and 9,888 City facility stormwater compliance inspections;
- Completed and begun operation of the Pavaho Storm Water Wetland and Dallas Zoo Stormwater Wetland supplemental environmental projects; and
- Implemented a robust environmental outreach program specific to the needs of educating countless residents, businesses, students, and other stakeholders regarding stormwater and the importance of protecting our surface water.

On October 5, 2023, the United States District Court for the Northern District of Texas signed an order approving joint stipulation and final termination of the CD. The court found that the City of Dallas and EPA sufficiently demonstrated that final and complete termination of the CD was warranted and appropriate. The termination of the CD speaks to the work of thousands of City staff in successfully complying with CD obligations, creating a culture of managing and reducing environmental risks, and improving the City's environmental performance.

Moving forward, the City of Dallas will continue to comply with environmental regulations, manage environmental risks from City operations, and improve environmental performance through existing systems and programs (e.g., EMS). These systems and programs are required by the City's Stormwater Permit, advance state and federal regulatory programs across multiple environmental media, and better ensure the accomplishment of environmental and climate goals under the City's Comprehensive Environmental and Climate Action Plan (CECAP).

DATE February 1, 2024
SUBJECT **SUBJECT Consent Decree Termination and Path Forward**

If you have any questions about this matter, please contact Carlos Evans, Director of the Office of Environmental Quality and Sustainability at carlos.evans@dallas.gov or 469-617-1925.



M. Elizabeth (Liz) Cedillo-Pereira, J.D.
Assistant City Manager, City of Dallas

c: Tammy Palomino, City Attorney
Mark Swann, City Auditor
Biliera Johnson, City Secretary
Preston Robinson, Administrative Judge
Kimberly Bazor Tolbert, Deputy City Manager
Jon Fortune, Deputy City Manager

Majed A. Al-Ghafry, Assistant City Manager
M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager
Dr. Robert Perez, Assistant City Manager
Jack Ireland, Chief Financial Officer
Genesis D. Gavino, Chief of Staff to the City Manager
Directors and Assistant Directors



City of Dallas

1500 Marilla Street
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Dallas, Texas 75201

Agenda Information Sheet

File #: 24-504

Item #: E.

Q1 Comprehensive Environmental and Climate Action Plan (CECAP) Update
[M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager; Carlos Evans, Director, Office of Environmental Quality & Sustainability]

Memorandum



CITY OF DALLAS

DATE February 5, 2024

TO Honorable Chair Stewart and Members of the Parks, Trails, and the Environment Committee

SUBJECT **Q1 Comprehensive Environmental & Climate Action Plan (CECAP) Update**

This memorandum provides an update on progress of the City's Comprehensive Environmental & Climate Action Plan (CECAP) during the first quarter of Fiscal Year (FY) 2023-2024.

Background - The Office of Environmental Quality and Sustainability (OEQS) develops an annual Implementation Work Plan (IWP) that provides an overview of efforts planned under the CECAP. The IWP outlines efforts that collectively maintain the City of Dallas as a leader in reducing emissions and sets the path forward toward addressing climate and environmental risk with effective, equitable, and common-sense solutions.

The FY24 IWP included activation of 75 of the CECAP's 97 actions and 212 milestones. The 18 City departments in the Leading Environmental Action Forward (LEAF) Working Group serve as subject matter experts to aid the implementation of CECAP goals. LEAF members collect and report related performance quarterly.

Key CECAP accomplishments during the first quarter of FY24 include:

- City Council authorized a renewal of a five-year service contract with the University of North Texas for Dallas' Environmental Education Initiative (EEI). The EEI program promotes the importance of water conservation to school-aged children through bilingual (English/Spanish) hands-on classroom activities, interactive teacher workshops, and community outreach activities. (*Goal 5, Action WR1*)
- OEQS' Brownfield Redevelopment Program (BRP) accepted a \$1,000,000 grant from the U.S. Environmental Protection Agency (EPA) to clean brownfield sites and provide cleanup planning and community involvement for sites primarily in the South Dallas/Fair Park area. (*Goal 6, Action EG1*)
- Park and Recreation (PKR) held five Branching Out Events at Marcus Park, White Rock Lake, Pemberton Hill, Northaven Park, and Meadow Stone Park. (*Goal 6, Action EG4*)
- In partnership with Texas Trees Foundation and PKR, Development Services planted 802 trees in the fall of 2023. (*Goal 6, Action EG9*)
- OEQS' [Dallas Community Air Management Program](#) installed 11 low-cost non-regulatory air sensors, now totaling 20 for the program. (*Goal 8, Action AQ2*)

Please visit the [CECAP Dashboard](#), which tracks all completed CECAP milestones. If you have any questions please contact Carlos Evans, OEQS Director (214-670-1642), Paul White II, OEQS Interim Assistant Director (214-671-8979), or Rosaerlinda Cisneros, OEQS Climate Coordinator (214-670-1196).



M. Elizabeth (Liz) Cedillo-Pereira, J.D.
Assistant City Manager, City of Dallas

c: T.C. Broadnax, City Manager
Tammy Palomino, City Attorney
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Dallas, Texas 75201

Agenda Information Sheet

File #: 24-506

Item #: F.

2023 Equity Indicators Report: Environmental Justice Measures Update
[M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager; Dr. Lindsey Wilson, Director, Office of Equity and Inclusion]

Memorandum



CITY OF DALLAS

DATE February 5, 2024
TO Honorable Chair Stewart and Members of the Parks, Trails, and the Environment Committee
SUBJECT **2023 Equity Indicators Report: Environmental Justice Measures Update**

On June 14, 2023, the Environmental Commission (EVC) received a memo SUBJECT: 2023 Equity Indicators Report Update and Environmental Justice Indicators. The Office of Environmental Quality and Sustainability (OEQS) engaged the EVC Environmental Justice Subcommittee to solicit recommendations for new environmental equity indicators. The Offices of Environmental Quality and Sustainability, Equity and Inclusion, and EveryTexan have been working on finalizing the 2023 Equity Indicators Report. Consistent with feedback from the mentioned recommendations, residents, community partners and the Environmental Commission feedback, the updated report now includes a sixth theme - Environmental Justice.

As the City of Dallas continues to center equity, it is critical to note the ways that Historically Disadvantaged Communities (HDCs) and Equity Priority Areas have been disproportionately impacted by environmental injustices. Through collaborative efforts, the 2023 Equity Indicators Report has leveraged both formal and informal feedback to support in identifying the Environmental Justice Indicators- Screening Tool, Canopy Coverage, Energy Efficiency, and Healthy Food.

To underscore the importance of monitoring and addressing environmental issues, each of the indicators, in the 2023 report also aligns with Comprehensive Environmental Climate Action Plan (CECAP) Action Items. This alignment demonstrates a cohesive and effective framework for tackling environmental concerns as well as increasing consistency and promoting internal collaboration.

Equity Indicators Methodology and Analysis

The selected vendor, EveryTexan, uses the City University of New York Institute for State and Local Governance (CUNY ISGL) Methodology to analyze and generate the Equity Indicators report. CUNY ISGL Methodology is an adaptable approach to creating Equity Indicator tools for cities that want to measure and improve equity in local communities. Equity Indicators are a set of metrics that capture the extent of disparities faced by different groups across various domains, such as economic opportunity, education, neighborhood and infrastructure, public health, justice and government, and environmental justice.

Environmental Justice Equity Indicators

The Equity Indicators report includes four environmental justice equity indicators: Environmental Justice Screen; Tree Canopy; Solar Accessibility; and Food Access.

Environmental Justice Screen

This indicator tracks the ratio between the average EJ Screen score in majority-people of color (POC) and non-majority-people of color (POC) census block groups. Historically disadvantaged communities are often disproportionately impacted by environmental hazards. The Dallas EJ Mapping tool combines local, state, and national environmental and demographic data into EJ scores to better screen for community-level environmental justice concerns. The tool is used as a screening tool to identify areas with potential environmental justice concerns. The City is focused on identifying environmental and health disparities between communities and engaging with disproportionately impacted communities to implement policies that eliminate those disparities.

Tree Canopy Coverage

This indicator tracks the ratio between the average Tree Equity Score in non-majority-people of color and majority-people of color neighborhoods. An adequate tree canopy helps promote cleaner air and reduces the heat island effect produced by cities. Urban heat is especially harmful for historically disadvantaged communities, children and older adults.

Solar Accessibility

This indicator tracks the ratio between the average number of residential solar panel permits per 1,000 people in majority-Black* and majority-White census tracts. Energy insecurity can lead to negative physical and mental health outcomes, especially for older adults and children.¹⁴⁹ Increasing access to solar energy can help ease high energy burdens for some populations.

Food Access

This indicator tracks the ratio between the percentage of Black residents living in food deserts to the percentage of Asian residents living in food deserts. Food access measures how difficult it is for residents to access healthy, fresh food within their neighborhoods. In 2015, 36% of Dallas residents lived in areas defined as “food deserts” by the USDA — areas with lower incomes, low vehicle access, and no grocery stores located within one mile.¹⁵¹ Data from this indicator may help inform and enhance current strategies, including those outlined in the City of Dallas’ Comprehensive Urban Agriculture (CUAP) plan, to increase access to healthy foods.

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SUBJECT **2023 Equity Indicators Report: Environmental Justice Measures Update**
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Conclusion

Should you have any questions or concerns, please do not hesitate to contact me or Dr. Lindsey Wilson, Director of the Office of Equity and Inclusion, at lindsey.wilson@dallas.gov



M. Elizabeth (Liz) Cedillo-Pereira
Assistant City Manager

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City of Dallas

1500 Marilla Street
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Dallas, Texas 75201

Agenda Information Sheet

File #: 24-507

Item #: G.

Environmental Commission Update
[Kathryn Bazan, Chair, Environmental Commission]

Memorandum



CITY OF DALLAS

DATE February 5, 2024

TO Honorable Chair Stewart and Members of the Parks, Trails, and the Environment Committee

SUBJECT **Environmental Commission Update**

December 2023

2023 Equity Indicators Report: Environmental Justice Measures Update

In December, the commission was briefed via memorandum on the status of the recommended Equity Indicators for Environmental Justice. New equity indicators will be made public in January 2024. After further discussion, it was determined that the commission's Recommendation 1 for land use and zoning will not be wholly incorporated but will only include sources of air emissions. The commission's recommended equity indicator is to assess overall neighborhood proximity to environmental pollution categorized as: 1) a major source of air emissions; 2) a large or small quantity generator of hazardous waste 3) a current, or former landfill site; 4) a surface water body categorized as impaired on the Texas 303d List; 5) a wastewater discharge facility; or 6) a U.S. Environmental Protection Agency Superfund or Brownfields Program site or a Texas Commission on Environmental Quality (TCEQ) Voluntary Cleanup Action Site, Municipal Setting Designation site, or other state-defined impaired property. This recommendation was unanimously supported by the Environmental Commission.

North Central Texas Council of Governments (NCTCOG) Air Quality Improvement Plan

The commission heard a briefing on the NCTCOG, which received a \$1 million via the U.S. Environmental Protection Agency's Climate Pollution Reduction Grant (CPRG) Planning Grant Program to develop and implement plans to reduce greenhouse gases and other pollutants of local concern in the eligible Dallas-Fort Worth Metropolitan Statistical Area. The grant program includes the creation of a regional climate action plan. NCTCOG is conducting public workshops, listening sessions and stakeholder engagement via survey: <https://www.publicinput.com/dfwAQIP-survey>

City of Dallas Brownfields Redevelopment Program

The city's Office of Environmental Quality & Sustainability (OEQS) briefed the commission on the Brownfields Redevelopment Program, including several Brownfields sites in District 7 (Jeffries Meyers, Fair Park, Forest Forward, MLK Corridor, Mill City, Melissa Pierce and St. Philip) currently being revitalized. Commissioners requested additional information about communication to residents near contaminated sites about the nature of contamination and potential threats to unhoused community members accessing those sites, either lawfully or unlawfully.

DATE February 5, 2024
SUBJECT **Environmental Commission Update**

Recommendation to Adopt SolarAPP+

In December, the commission voted unanimously to recommend adoption of SolarAPP+. See attached memo.

Commission Events and Outreach

In December, the commission partnered with Dallas Code Enforcement's Keep Dallas Beautiful program to host a cleanup at White Rock Lake. Twenty volunteers joined us on Saturday, December 16, to clean the south shoreline. This month, commissioners presented to the local Sierra Club and Rotary Club memberships. Commissioner Hiromoto (D15) participated in COP28 as a virtual delegate of Architecture 2030 and authored an article in Architecture 2030 magazine on the Dallas CECAP and our city's progress: <https://www.architecture2030.org/cop28-local-advocacy-accelerates-climate-action/>.

January 2024

In January, the commission was briefed on the city's Municipal Setting Designation and Environmental Due Diligence Programs.

The commission was also briefed by OEQS on the Updated CECAP Considerations for the 2024 Bond Program, as recommended by the Environmental Commission. The commission wants to acknowledge the effort of city staff to support this recommendation and to coordinate with numerous departments to ensure that the CECAP and its goals are carried out. We also want to acknowledge the Strategic Partnerships and Innovation committee, led by Chair Hiromoto, and the expert panelists who dedicated their expertise.

The commission unanimously voted to approve its FY 2023 Annual Report.

Amended Standard Permit for Concrete Batch Plants

On January 24, 2024, TCEQ issued amendments to the Air Quality Standard Permit for Concrete Batch Plants. The amendments were based on an updated Air Quality Analysis for the standard permit. The adopted amendments can be found on the TCEQ's website: <https://www.tceq.texas.gov/permitting/air/newsourcereview/2023-amendment-concrete-batch-standard-permit>

The amendments revise the standard permit's definitions, operational requirements, setback requirements, concrete production rate limitations, nuisance dust control provisions, and best management practices. The specific changes to setback requirements and production rate limitations vary depending on the geographic location of the CBP, the type of batch plant (central mix or truck mix), and the type of capture technology used for the loading operation.

DATE February 5, 2024
SUBJECT **Environmental Commission Update**

Annual Strategic Planning Workshop

On Saturday, January 27, the commission held its annual strategic planning workshop to establish committee priorities. Members are developing work plans and a report to summarize the work.

The Environmental Commission will not meet in February and will hold its next regular meeting on Wednesday, March 13, 2024.

If you have any questions about any of these topics, please don't hesitate to reach out to me at kathryn.bazan@dallas.gov.



Kathryn Bazan
Chairwoman, Dallas Environmental Commission

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CITY OF DALLAS

DATE February 5, 2024

TO Honorable Chair Stewart and Members of the Parks, Trails, and the Environment Committee

SUBJECT **Environmental Commission Recommendations on Adoption of SolarAPP+**

Background

In 2021, the National Renewable Energy Laboratory (NREL) launched a collaborative effort with key code officials, authorities having jurisdiction (AHJs), and the solar industry to develop standardized plan review software that can run compliance checks and process building permit approvals for eligible rooftop solar systems.

- **Integrates with existing government software.**
- **Automates plan review, permit approval, and project tracking.**
- **Standardizes up to 90% of standard system plans.**
- **Provides inspection checklist and final sign-off after installation.**

View this video to see how SolarAPP+ is benefitting communities:

https://youtu.be/xKhX_UAT8YQ.

NREL conducted a control trial pilot to validate SolarAPP+ performance, as used by AHJs with diverse characteristics and needs. Highlights of key findings include:

- Pilot AHJs collectively spent 383 hours on SolarAPP+ implementation and saved 236 hours on permit and revision review during the pilot.
- By providing instantaneous review, the SolarAPP+ reduced the average permit review time to less than one day across all five AHJs.
- Participating contractors required training on how to use the application efficiently.
- Inspection passage rates for SolarAPP+ projects were comparable to traditionally permitted projects, with nominal impacts on inspection duration.
- Projects submitted through SolarAPP+ were installed and inspected on average 12 days faster than projects using the traditional process (Figure ES- 1). – NREL

NREL Pilot Program Article: <https://www.nrel.gov/docs/fy22osti/81603.pdf>

NREL performance review: <https://www.nrel.gov/docs/fy23osti/85827.pdf>

This innovative online tool instantly issues permit for code-compliant residential rooftop photovoltaic (PV) and battery systems, streamlining processes and reducing costs and time, allowing more solar to be installed faster.

Recommendation

On December 13, 2023, the Environmental Commission unanimously approved the Implementation Subcommittee's recommendation for immediate implementation of the SolarAPP+ developed by NREL for the following reasons:

1. NO COST to municipalities
 - a. Implemented quickly
 - b. Free training for city employees by NREL
 - c. Saves city employees' time
 - d. Reduces burden on IT department since it is cloud-based
2. An area of relief for the solar permitting in Dallas by streamlining the process for:
 - a. City staff
 - b. Homeowners and businesses wanting to install solar
 - c. Solar installation contractors
3. SolarAPP+ significantly reduces the soft costs of solar installation including permitting, inspections and interconnect.
4. Proposed annual license requiring solar installers to submit new applications each year, ensuring compliance with Texas Solar Energy Society's Code of Ethics and addressing any pending or unresolved projects. Companies failing to address existing installation issue or customer complaints would be temporarily barred from initiating new projects until issues are appropriately resolved.
[Houston's Journey with SolarAPP+ and the Future of Solar Permitting | Texas Solar Energy Society \(txses.org\)](#)
5. Widespread adoption of SolarAPP+ in municipalities around the country (including Houston, TX) <https://help.solar-app.org/article/108-where-is-solarapp-available>

If you have any questions, please don't hesitate to reach out to me at kathryn.bazan@dallas.gov.



Kathryn Bazan
Chairwoman, Dallas Environmental Commission

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