

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, MARCH 4, 2024

23-0016

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

PRESENT: [7] Stewart, Moreno, West, Arnold (**9:11 a.m.), *Narvaez (**9:06 a.m.),
*Bazaldua, Blackmon

ABSENT: [0]

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 10:35 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.**

RECEIVED

2024 FEB 29 PM 5:05

**CITY SECRETARY
DALLAS, TEXAS**

City of Dallas

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

Public Notice

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POSTED CITY SECRETARY
DALLAS, TX



Parks, Trails, and the Environment Committee

March 4, 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, *Ridley, *Stewart	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

* Updated:2/22/24

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=m9e8acb2ac36830b73fe559711f81722b>

Call to Order

MINUTES

1. [24-745](#) Approval of the February 5, 2024 Parks, Trails and Environment Committee Minutes

Attachments: [Minutes](#)

BRIEFING ITEMS

- A. [24-746](#) Environmental Health Committee Smoking Ordinance Recommendations [Dr. Philip Huang, Director, Dallas County Health & Human Services; Folashade Afolabi, MD, Environmental Commission - Environmental Health Committee]

Attachments: [Presentation](#)
[Exhibit A](#)

- B. [24-747](#) Drafts of 2024 Five-Year Conservation Work Plan & 2024 Water Conservation Plan (State Required) [Sheila Delgado, Assistant Director, Office of Environmental Quality & Sustainability; Alicia Lee, Water Conservation Manager, Office of Environmental Quality & Sustainability]

Attachments: [Presentation](#)

- C. [24-751](#) CECAP Considerations for 2024 Bond Program [Carlos Evans, Director, Office of Environmental Quality & Sustainability; Natalie Requenez, Environmental Justice Coordinator, Office of Environmental Quality & Sustainability]

- D. [24-748](#) Community Connectors [M. Renee Johnson, Assistant Director, Parks and Recreation]

Attachments: [Presentation](#)

BRIEFING MEMOS

- E. [24-749](#) Office of Environmental Quality & Sustainability Solar Siting Study
[M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager]

Attachments: [Memo](#)

- F. [24-750](#) Upcoming Earth Day Events
[M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager]

Attachments: [Memo](#)

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, MARCH 4, 2024

EXHIBIT A

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, MARCH 4, 2024

EXHIBIT B

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

MARCH 4, 2024

Item 1: Approval of the February 5, 2024 Parks, Trails and Environment Committee Minutes

Councilmember West moved to adopt the minutes as presented.

Motion seconded by Councilmember Blackmon and unanimously adopted. (Arnold, Narvaez absent when vote taken)

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

MARCH 4, 2024

BRIEFING ITEMS

Item A: Environmental Health Committee Smoking Ordinance Recommendations

The following individuals briefed the committee on the item:

- Carlos Evans, Director, Office of Environmental Quality & Sustainability;
- Dr. Philip Huang, Director, Dallas County Health & Human Services;
- Folashade Afolabi, MD, Environmental Commission - Environmental Health Committee;
and
- Renee Roberson, Commissioner, Dallas Climate Action

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

MARCH 4, 2024

BRIEFING ITEMS

Item B: Drafts of 2024 Five-Year Conservation Work Plan & 2024 Water Conservation Plan (State Required)

The following individuals briefed the committee on the item:

- Carlos Evans, Director, Office of Environmental Quality & Sustainability;
- Sheila Delgado, Assistant Director, Office of Environmental Quality & Sustainability;
and
- Alicia Lee, Water Conservation Manager, Office of Environmental Quality & Sustainability

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

MARCH 4, 2024

BRIEFING ITEMS

Item C: CECAP Considerations for 2024 Bond Program

Councilmember Moreno moved to defer the item to the June 3, 2024 meeting of the Parks, Trails and the Environment Committee.

Motion seconded by Councilmember West and unanimously deferred.

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

MARCH 4, 2024

BRIEFING ITEMS

Item D: Community Connectors

The following individual briefed the committee on the item:

- M. Renee Johnson, Assistant Director, Parks and Recreation

OFFICIAL ACTION OF THE CITY COUNCIL COMMITTEE

MARCH 4, 2024

BRIEFING MEMOS

Item E: Office of Environmental Quality & Sustainability Solar Siting Study

Item F: Upcoming Earth Day Events

The committee discussed the items.

MINUTES OF THE CITY COUNCIL COMMITTEE
MONDAY, MARCH 4, 2024

EXHIBIT C



City of Dallas

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

Agenda Information Sheet

File #: 24-746

Item #: A.

Environmental Health Committee Smoking Ordinance Recommendations
[Dr. Philip Huang, Director, Dallas County Health & Human Services; Folashade Afolabi, MD,
Environmental Commission - Environmental Health Committee]



City of Dallas

Environmental Health Committee Smoking Ordinance Recommendations

**Parks, Trails, & the
Environment Committee
March 4, 2024**

Folashade Afolabi, MD
Environmental Health Committee
Environmental Commission

SEC. 41-1. DEFINITIONS



(7) ELECTRONIC SMOKING DEVICE means any product containing or delivering nicotine or any other substance intended for human consumption that can be used by a person in any manner for the purpose of inhaling vapor or aerosol from the product. The term includes any such device, whether manufactured, distributed, marketed, or sold as an e-cigarette, e-cigar, e-pipe, e-hookah, dab rig or vape pen, or under any other product name or descriptor.



SEC. 41-1. DEFINITIONS



(1817) **SMOKE OR SMOKING** means inhaling, exhaling, burning, or carrying any lighted or heated cigar, cigarette, pipe, hookah, or any other lighted or heated tobacco or plant product intended for inhalation, whether natural or synthetic, including marijuana/cannabis, in any manner or in any form. “Smoking” includes the use of an electronic smoking device which creates an aerosol or vapor, in any manner or in any form, or the use of any oral smoking device for the purpose of circumventing the prohibition of smoking in this Article means inhaling, exhaling, possessing, or carrying any lighted or burning cigar or cigarette, or any pipe or other device that contains lighted or burning tobacco or tobacco products.



What are E-Cigarettes



- First on the market around 2006
- e-pens, e-pipes, e-hookah and e-cigars
- Battery-operated and use a heating element to heat e-liquid from a cartridge to release a chemical filled aerosol
- e-liquid can contain formaldehyde, acrolein, flavorings, propylene glycol and vegetable glycerin
- Nicotine salts in e-cigarettes has faster onset of action and can be highly addictive



E-Cigarette Use



- E-cigarettes are the most commonly used tobacco product by youth since 2014 and use has nearly doubled since 2018
- Surgeon General reports e-cigarette use among youth is a significant public health concern
- Many adolescents have never used combustible cigarettes prior to E-cigarette use
- E – cigarettes contain nicotine salt, formaldehyde, and other volatile compounds
- Flavored E-cigarettes have been associated with popcorn lung
- E-Cigarette/Vaping Associated Lung Injury has been associated with severe lung disease, low oxygen and death
- The amount of nicotine in devices varies, some have more than a carton of cigarettes worth of nicotine.



Surgeon General Report



- The 2016 U.S. Surgeon General's Report states that including ESDs in smoke free indoor air policies eliminates health risks from exposure to secondhand aerosol from ESDs. It is the right and responsibility of our elected officials to take action to protect public health and safety (7).
- They also noted emissions contain, "nicotine; ultrafine particles; flavorings such as diacetyl, a chemical linked to serious lung disease; volatile organic compounds such as benzene, which is found in car exhaust; and heavy metals, such as nickel, tin, and lead." (7)



Secondhand E-cigarette Exposure



- Adolescents with asthma have increased risk of asthma exacerbations when exposed to second-hand aerosol exposure. (1)
- Prevalence of secondhand nicotine e-cigarette aerosol exposure has increased from 12-16% from 2014-2019 (2)
- Exposure has been linked to increased bronchitic symptoms and shortness of breath in young adults (2)
- Secondhand-aerosol exposure from heated tobacco products was associated with both asthma attacks/asthma-like symptoms and persistent cough in a recent study in Japan (3).
- Forty percent of US adults believe that children's exposure to secondhand aerosol from e-cigarettes causes only some or little harm (4).



Secondhand E-cigarette Exposure

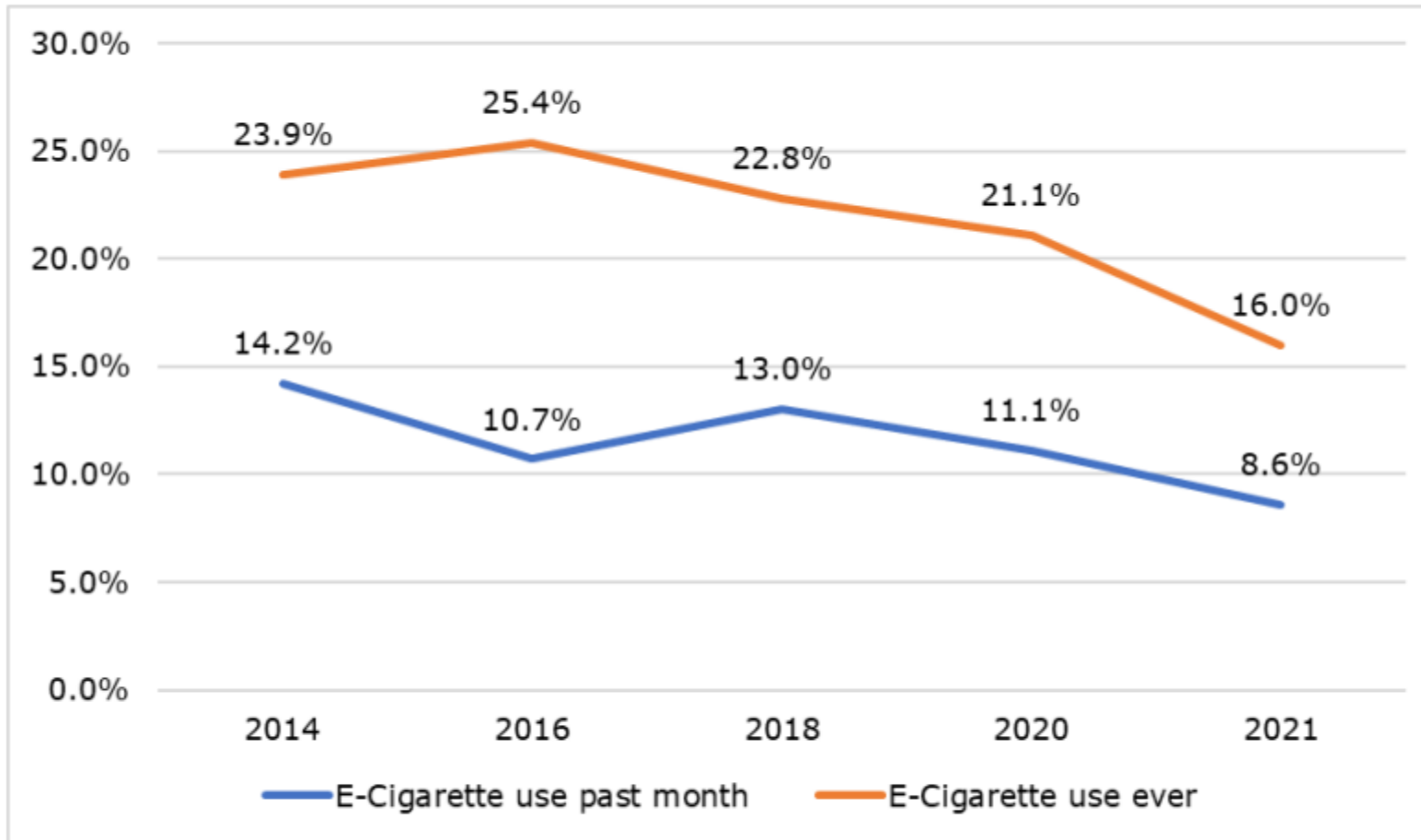


- Homes with e-cigarette use found increased PM_{2.5} levels when compared to non-smoking homes (5)
- Bystanders may experience irritation of the respiratory tract as a result of exposure to propylene glycol and glycerol
- American Industrial Hygiene Association (AIHA) recommends that e-cigarettes should be considered a source of aerosols, volatile organic compounds and particulates in the indoor environment (6).



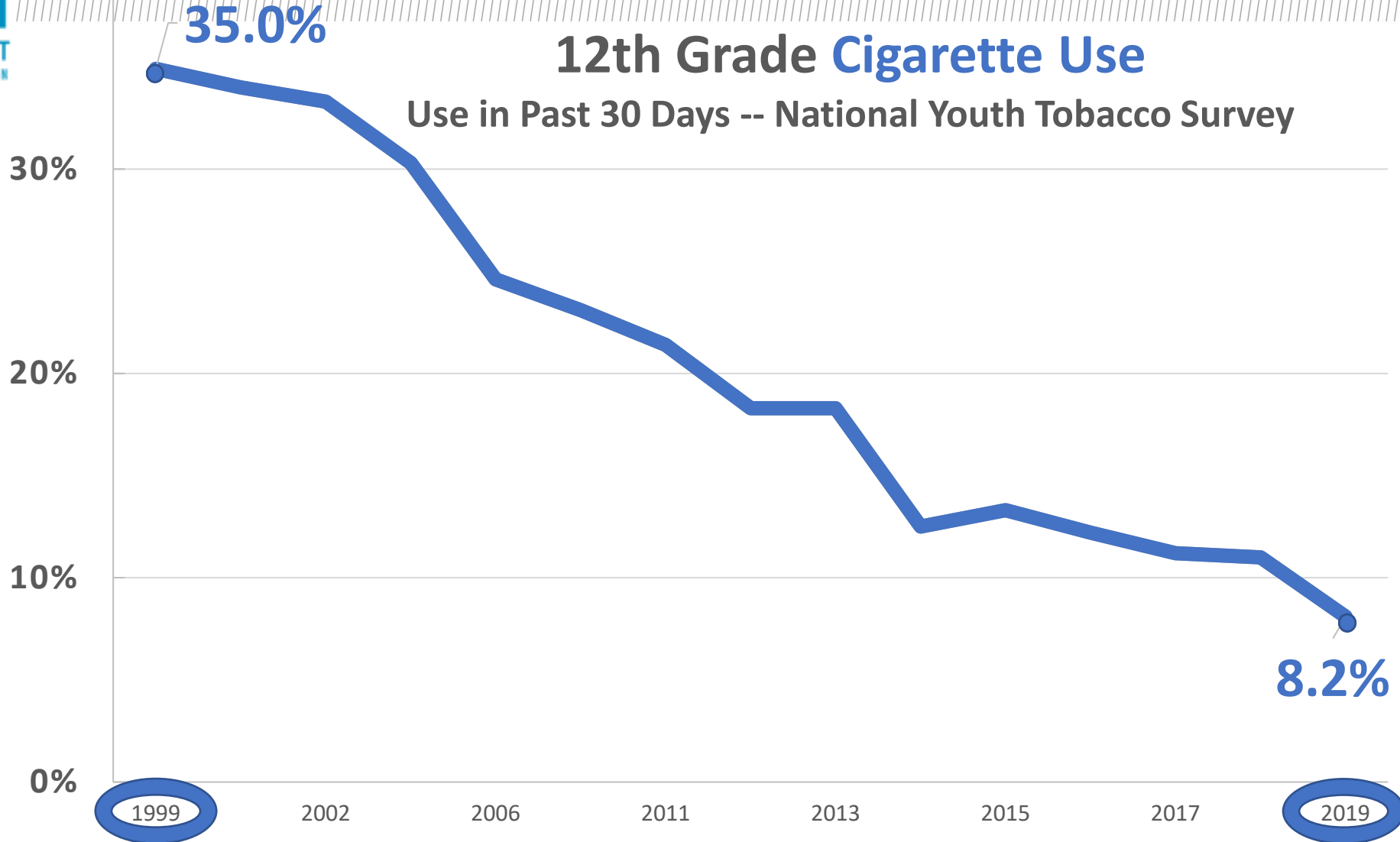


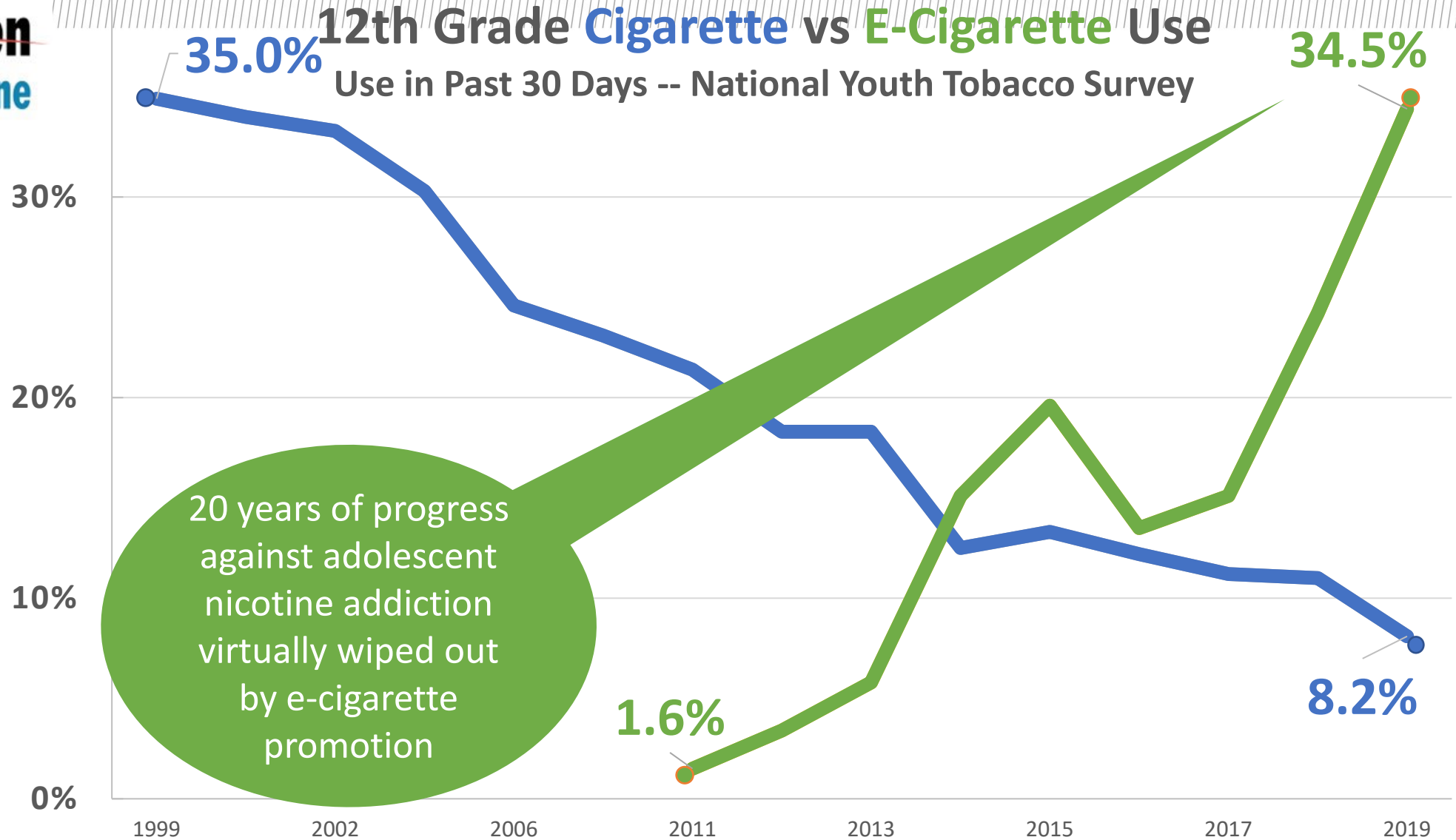
Graph 1: Trends in Youth E-Cigarette Use, Texas, 2014-2021



Data Source: Texas A&M University, 2014-2021 Texas Youth Tobacco Survey.







20 years of progress against adolescent nicotine addiction virtually wiped out by e-cigarette promotion



National Recommendations



- American Lung Association
- American Heart Association
- World Health Organization
- Centers for Disease Control
- Surgeon General



Dallas Benefits



- CityHealth Smoke Free GOLD Status
- Protect Indoor Air Quality of Dallasites
- Protect vulnerable populations
- Improve the health of Dallasites



References



1. Bayly JE, Bernat D, Porter L, et al. Secondhand exposure to aerosols from electronic nicotine delivery systems and asthma exacerbations among youth with asthma. *Chest* 2019; 155:88–93.
2. Islam T, Braymiller J, Eckel SP, et al Secondhand nicotine vaping at home and respiratory symptoms in young adults *Thorax* 2022;77:663-668.
3. Takashi, Y., Tomohiro, S., Ai, H., Sumiyo, O., Kei, N., & Takahiro, T. (2023). Association between exposure to secondhand aerosol from heated tobacco products and respiratory symptoms among current non-smokers in Japan: a cross-sectional study. *BMJ Open*, 13(3), e065322. <https://doi.org/10.1136/bmjopen-2022-065322>
4. Nguyen KH, Tong VT, Marynak K, King BA. Perceptions of Harm to Children Exposed to Secondhand Aerosol From Electronic Vapor Products, Styles Survey, 2015. *Prev Chronic Dis* 2017;14:160567. DOI: <http://dx.doi.org/10.5888/pcd14.160567>
5. Shearston JA, Eazor J, Lee L, Vilcassim MJR, Reed TA, Ort D, Weitzman M, Gordon T. Effects of electronic cigarettes and hookah (waterpipe) use on home air quality. *Tob Control*. 2023 Jan;32(1):36-41. doi: 10.1136/tobaccocontrol-2020-056437. Epub 2021 May 21. PMID: 34021062; PMCID: PMC10787574.
5. Visser WF, Klerx WN, Cremers HWJM, Ramlal R, Schwillens PL, Talhout R. The Health Risks of Electronic Cigarette Use to Bystanders. *Int J Environ Res Public Health*. 2019 Apr 30;16(9):1525. doi: 10.3390/ijerph16091525. PMID: 31052162; PMCID: PMC6539638.
6. Marcham CL, Springston JP. Electronic cigarettes in the indoor environment. *Rev Environ Health*. 2019 Jun 26;34(2):105-124. doi: 10.1515/reveh-2019-0012. PMID: 31112510.
7. U.S. Department of Health and Human Services. E-Cigarette Use Among Youth and Young Adults: A Report of the Surgeon General—Executive Summary. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health, 2016





City of Dallas

Environmental Health Committee Smoking Ordinance Recommendations

**Parks, Trails, & the
Environment Committee
March 4, 2024**

Folashade Afolabi, MD
Environmental Health Committee
Environmental Commission



February 22, 2024

Councilmember Kathy Stewart
Chair, Committee on Parks, Trails, and the Environment
Dallas City Hall
1500 Marilla St.
Dallas, Texas 75201

RE: Public Health Impact – Electronic Cigarettes

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

Dallas County Health and Human Services (DCHHS) commends the City of Dallas for its 100% smoke-free ordinance, restricting smoking in particular settings. As a continuation of the City's commitment to public health, DCHHS recommends the City of Dallas create a comprehensive indoor and outdoor tobacco-free environment with the inclusion of electronic nicotine delivery systems in the definition of smoking. Adopting comprehensive tobacco-free policies has proven to be an effective strategy in reducing tobacco-related illnesses and creating healthier communities.

The mission of DCHHS is to optimize and protect the health and well-being of all Dallas County residents and support the achievement of better health outcomes for all. DCHHS strives to prevent chronic diseases and reduce health inequities by addressing environments, systems, and behaviors that are associated with chronic diseases and precursors. DCHHS understands that "tobacco dependence is a chronic, relapsing disorder that, like other chronic diseases, often requires repeated intervention and long-term support."¹ Therefore, DCHHS is committed to providing tobacco and vaping prevention education, cessation resources and support for tobacco-free policies for its residents and recommends e-cigarettes and other electronic nicotine delivery systems (ENDS) be included in definitions of tobacco use.

Tobacco use is the primary cause of preventable disease, death, and disability— affecting not only individual health but also placing a substantial burden on our healthcare system.² Despite potentially lower toxicity in e-cigarette aerosols compared to traditional combustible tobacco products, they are still harmful, and the long-term consequences of ENDS use, and their aerosol exposure are unclear and under ongoing research. Toxic additives in e-liquids and vapor, along with the appeal of many fruit and menthol flavored products to youth, pose significant risks, especially as brain development continues until around the age of 25.^{3,4,8,9}

We made great progress in the decline of youth use of conventional combustible cigarettes, but since the introduction of e-cigarettes to the US market in 2006, there has been a renormalization of tobacco use among youth largely due to e-cigarettes. E-cigarettes have been the dominant tobacco product used among youth since 2014. In Texas in 2021, about 18% of youth, grades 6-12, have ever used e-cigarettes and almost 9% have used them in the last month.^{3,9} Nationally and



DCHHS

Dallas County Health and Human Services

Healthy People Healthy Communities
Health and Social Equity



in Texas, adult use of e-cigarettes has also continued to increase. This can likely be attributed to the rising prevalence of e-cigarette usage within the 18-24 age demographic.⁵ In 2021, 5.6% of the adult population living in Dallas County currently used ENDS.⁶

As research shows the effectiveness of comprehensive tobacco control policies, jurisdictions across the nation and in Texas are becoming 100% smoke and tobacco-free and including ENDS in their definition of smoking and tobacco use. Examples are Austin, Ft. Worth, Houston, and Plano.¹⁰ Efforts aimed at preventing youth access to and usage of tobacco products, including e-cigarettes, are also instrumental in diminishing rates of youth tobacco consumption. All such actions have the potential to play an important role in reducing future rates of adult tobacco product use.⁴

DCHHS recommends that the City of Dallas take further action to eliminate tobacco use, including aerosol exposure both indoors and outdoors, to decrease the risk of exacerbating chronic diseases and to reduce tobacco-related deaths. Tobacco-related deaths in Dallas County, mostly from lung cancer and chronic obstructive pulmonary disease, have continued to decrease since 2020—the current City of Dallas smoking ordinance is likely one contributing factor—and we would like this trend to continue.

Please feel free to contact me with any questions.

Sincerely,

A handwritten signature in black ink that reads "Philip Huang".

Philip Huang, MD, MPH
Director/Health Authority
Dallas County Health and Human Services
Email: Philip.huang@dallascounty.org
Phone: (214) 819-2000



Sources:

1. Fiore MC, Jaén CR, Baker TB, Bailey WC, Bennett G, Benowitz NL, et al. *Treating tobacco use and dependence: 2008 update*. Rockville, MD: U.S. Department of Health and Human Services, U.S. Public Health Service; 2008.
2. Centers for Disease Control and Prevention. (2023, November 2). Smoking and Tobacco Use Fast Facts and Fact Sheets. https://www.cdc.gov/tobacco/data_statistics/fact_sheets/fast_facts/index.htm
3. Centers for Disease Control and Prevention. (2023, August 31). Office on Smoking and Health At A Glance. <https://www.cdc.gov/chronicdisease/resources/publications/aag/tobacco-use.htm#:~:text=Every%20day%20in%20the%20United,end%20up%20smoking%20cigarettes%20daily.>
4. Centers for Disease Control and Prevention, Office on Smoking and Health, National Center for Chronic Disease Prevention and Health Promotion. (2023, November 2). Youth and Tobacco Use. https://www.cdc.gov/tobacco/data_statistics/fact_sheets/youth_data/tobacco_use/index.htm#current-estimates
5. American Lung Association (State of Tobacco Control 2024 Executive Summary) References: National Center for Health Statistics. National Health Interview Survey 2019-2022. Generated interactively: Nov 30 2023 from https://wwwn.cdc.gov/NHISDataQueryTool/SHS_adult/index.html.

Centers for Disease Control and Prevention. National Center for Health Statistics. National Health Interview Survey, 2022. Analysis performed by the American Lung Association Epidemiology and Statistics Unit using SPSS software.

Kramarow EA, Elgaddal N. Current electronic cigarette use among adults aged 18 and over: United States, 2021. NCHS Data Brief, no 475. Hyattsville, MD: National Center for Health Statistics. 2023. DOI: <https://dx.doi.org/10.15620/cdc:129966>.
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Feb 26, 2024

Mayor Johnson and Dallas City Council,

As community organizations dedicated to improving the health and quality of life for all in Dallas, we are writing to voice our strong support for the City of Dallas updating its smoking ordinance to ban vaping indoors and in public parks.

The aerosol emitted by electronic smoking devices is **not** water vapor. The aerosol is a mixture of many substances, including nicotine, ultrafine particles, volatile organic compounds, and toxins known to cause lung disease and cancer. This is why it is not safe to use these products in smoke-free spaces, like workplaces.

No workers in Dallas should be exposed to secondhand aerosol and put their health at risk to earn a paycheck.

Secondhand aerosol is **not** harmless. Non-smokers who are exposed to conventional cigarette smoke and ESD aerosol absorb similar levels of nicotine. ESD exposure damages lung tissues. Exposure to the fine and ultrafine particles may exacerbate respiratory ailments like asthma and constrict arteries which could trigger a heart attack. Simply put, ESD aerosol is a new source of air pollution and toxins that should not be permitted in smoke-free environments.

Over 90 Texas cities including Ft. Worth, Garland, Irving, Denton, Waco, Austin, Houston, El Paso, and McAllen have smoke-free ordinances that include e-cigarettes, and several major cities including Austin, San Antonio, and Dallas also prohibit smoking or vaping in public parks. We hope Dallas will be the next Texas city to add electronic smoking devices (ESDs) or “vaping” products to your smoking ordinance to protect our community and public spaces from dangerous exposure to secondhand aerosol.

Your leadership will improve the health and quality of life for everyone in Dallas.

Sincerely,

American Cancer Society Cancer Action Network

American Heart Association

American Lung Association in Texas

Americans for Nonsmokers’ Rights

Sam Susser, Chairman & CEO, Susser Bank

Campaign for Tobacco Free Kids

Dallas-Fort Worth Hospital Council

Texas Academy of Family Physicians

The Cooper Institute

Dallas County Medical Society



City of Dallas

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

Agenda Information Sheet

File #: 24-747

Item #: B.

Drafts of 2024 Five-Year Conservation Work Plan & 2024 Water Conservation Plan (State Required)
[Sheila Delgado, Assistant Director, Office of Environmental Quality & Sustainability; Alicia Lee, Water Conservation Manager, Office of Environmental Quality & Sustainability]



City of Dallas

Drafts of 2024 Five-Year Water Conservation Work Plan & 2024 Water Conservation Plan (State required)

**Parks, Trails, Environment
Committee**

March 4, 2024

Alicia Lee, Water Conservation Manager
Office of Environmental Quality & Sustainability
City of Dallas

Purpose



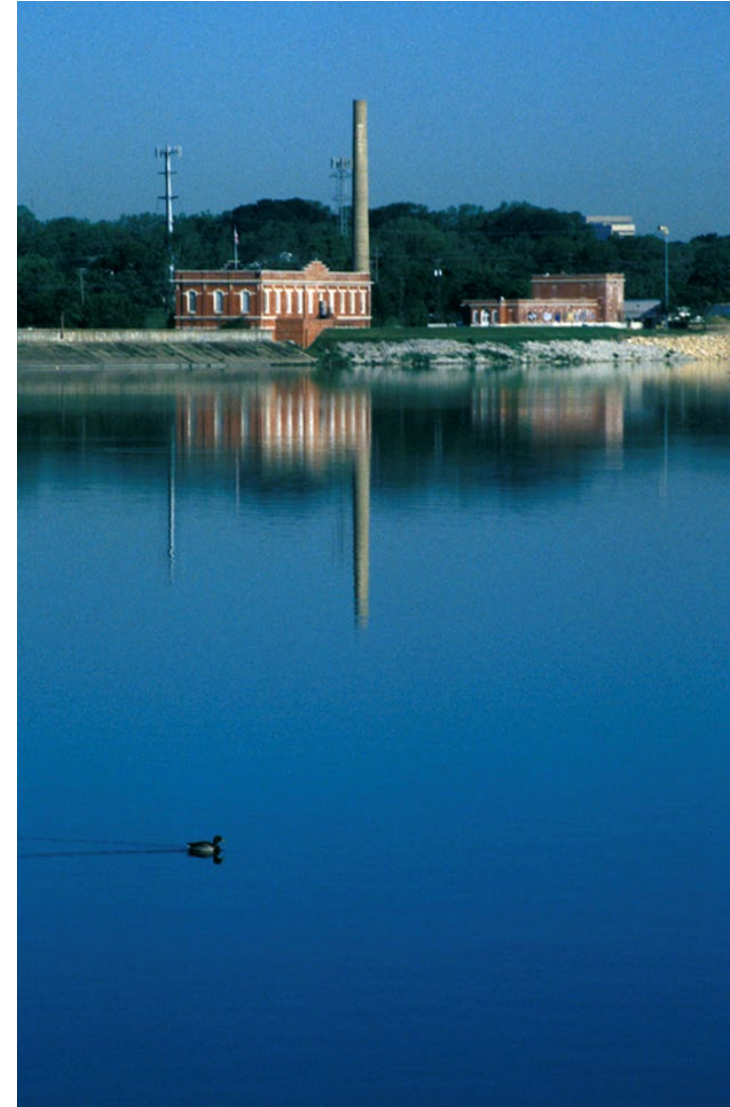
- Provide background on the Five-Year Water Conservation Work Plan and Water Conservation Plan (State required)
- Seek support from Parks, Trails and the Environment Committee for adoption of:
 - City of Dallas 2024 Five-Year Water Conservation Work Plan
 - City of Dallas 2024 Water Conservation Plan (State required)



Presentation Overview



- The Need for Water Conservation
- City of Dallas Water Conservation Efforts
 - Accomplishments
- Water Conservation Plans
 - Projected Water Savings
 - Five-Year Plan Recommended Enhancements
- Summary & Timeline
- Next Steps

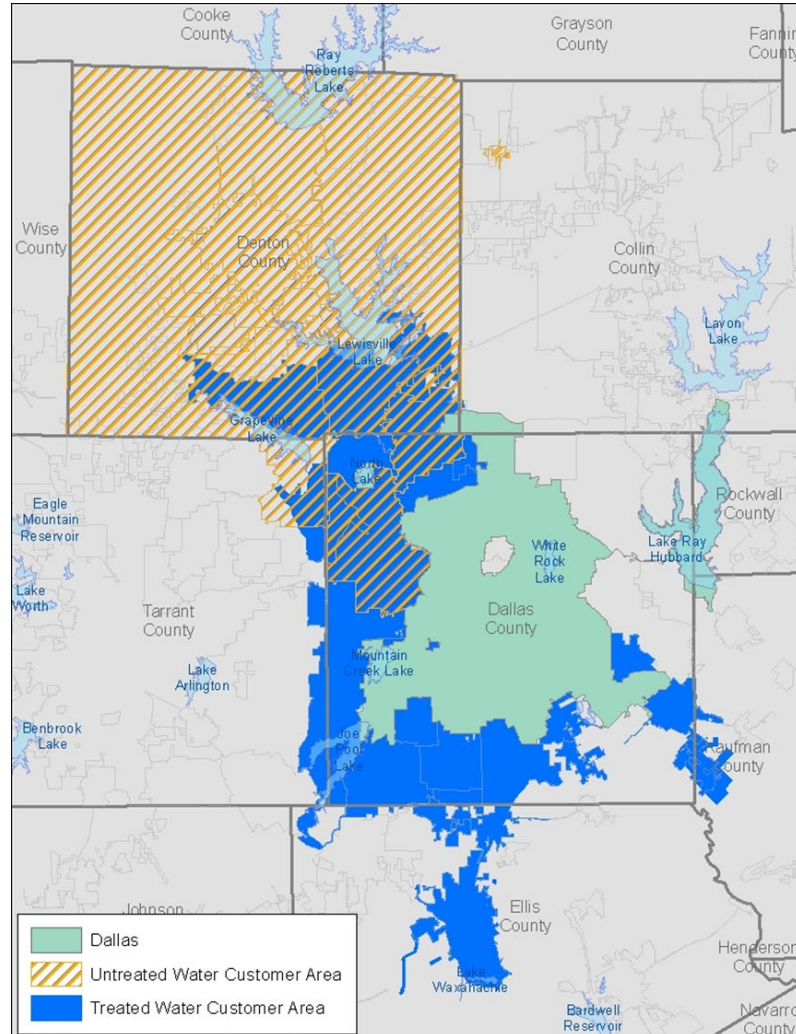




The Need for Water Conservation



Dallas' Service Area and Drivers of Water Use



Population served: 2.6 million

- 1.3 million in City of Dallas
- 1.3 million in 27 wholesale customer cities

Drivers of Water Use

- Population growth
- Economic conditions (jobs, new businesses, etc.)
- Household water use
- Outside watering
- System water losses
- Weather patterns

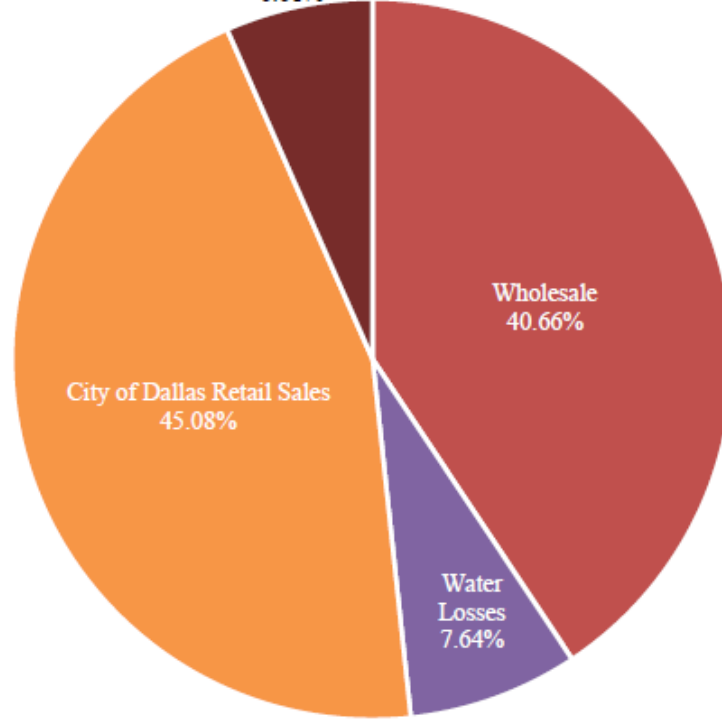


Annual Water Production and Retail Treated Water Use

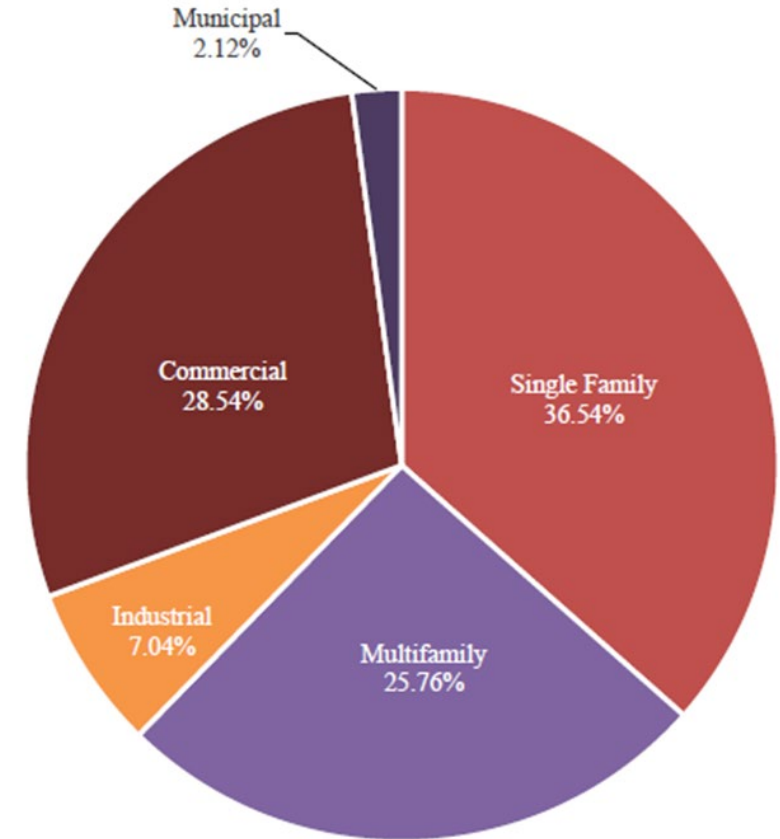


Average Annual Treated Water Production of 139.46 BG from FY15 – FY22

Known Utility System Maintenance and Operation Losses
6.61%



Annual Average Retail Treated Water Sales of 66.9 BG from FY15 – FY22





City of Dallas Water Conservation Efforts



Water Conservation



- **Conservation as a Demand Management Tool**
 - Extends the life of our existing resources
 - Delays the need for future water sources
 - Puts Dallas in compliance with the State's conservation requirements
- **Conservation Efforts are Effective**
 - Over 387 billion gallons (an average of 50 MGD) saved
 - Enough to fill Lake Ray Hubbard twice (over 2.5 years of water supply)
 - Perceptions and behaviors are changing
 - Since 2001 GPCD Reduced 32%
- **2024 Work Plan will keep the momentum going**



Save Water.
Nothing Can Replace It!
www.SaveDallasWater.com



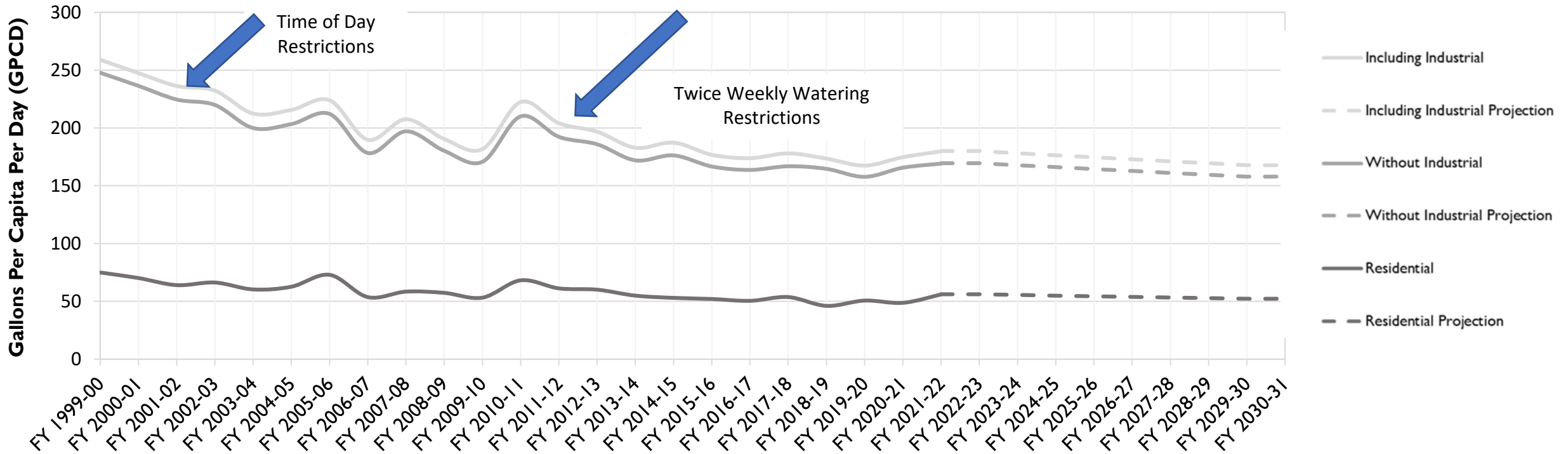
Water Is Awesome Use it. Enjoy it. Just don't waste it.



Water Conservation Program Chronology and Trends



1980's	2001	2005	2007	2010	2012	2016	2019	2024
• Education and outreach only	• Ordinance passed prohibiting landscape water waste	• Water Conservation Five-Year Strategic Plan Adopted	• Time-of-Day watering restrictions expanded	• Five-Year Strategic Plan Updated	• Landscape irrigation limited to a maximum of twice weekly	• Five-Year Work Plan Update	• Move to OEQS*	• Five-Year Work Plan Updated



*Fully funded by DWU





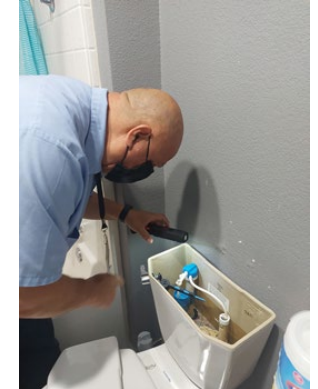
Accomplishments



Accomplishments



- **New Throne for Your Home (NTFYH)**
 - Single Family
 - Cumulative Number of Toilets Distributed (Vouchers + Rebates): **54,633**
 - Cumulative Water Saved: **266** MG
 - Multi-Family
 - Cumulative Number of Toilets Distributed: **68,605**
 - Cumulative Water Saved: **312** MG
- **Minor Plumbing Repair (MPR) Program**
 - Cumulative Number of MPR Fixtures distributed: **14,188**
 - Cumulative Water Saved: **40.9** MG
- **Environmental Education Initiative (EEI)**
 - Reached cumulative number of
 - Students: **127,838**
 - Teachers: **8,302**
 - Residents: **128,741**
 - Schools: **309**



Accomplishments



- **Landscape Ordinance Amendments**

- Time of day watering restrictions
- Mandatory maximum twice weekly watering schedule
- Article X Revision for Landscape and Tree Preservation

- **Enhanced Enforcement**

- Provided funding in each year for Code Compliance personnel overtime pay (2 FTEs)
- Conduct targeted, neighborhood sweeps to enforce ordinances

- **Irrigation System Evaluations**

- Cumulative Number of Irrigation Audits: **9,733**
- Cumulative Potential Water Saved: **543** MG

- **Industrial, Commercial, Institutional (ICI) Water Efficiency Opportunity Surveys & Rebate Programs**

- Cumulative Potential Water Savings from Surveys: **698** MG/Yr
- Cumulative Water Savings from Rebates: **121** MG/Yr



Accomplishments



- **Water Loss Reduction**

- Proactive Leak Detection and Repair
 - Since FY 2005 estimated **5.5** BG saved
- Distribution System Main Replacement
 - Maintained **5,038** miles of pipeline in FY 2022
 - System age dropped from 48% to 46%
 - Since 2001, main breaks per mile decreased from 0.6 to 0.1
- Filter Cleaning at Water Treatment Plants
 - Optimize backwash

- **Meter Reading (Apparent Loss Reduction)**

- Developed practice to replace meters
 - FY 2016 – 2022 average meter replacement: **24,591**
- Modernization of Meter Reading Process
- Two automated network systems installed (pilot projects)
 - Advanced Metering Infrastructure (AMI) Fixed Network
 - AMR Mobile Network
 - Approximately 22,000 meters currently read using a Mobile Network





Water Conservation Plans



Water Conservation Plans

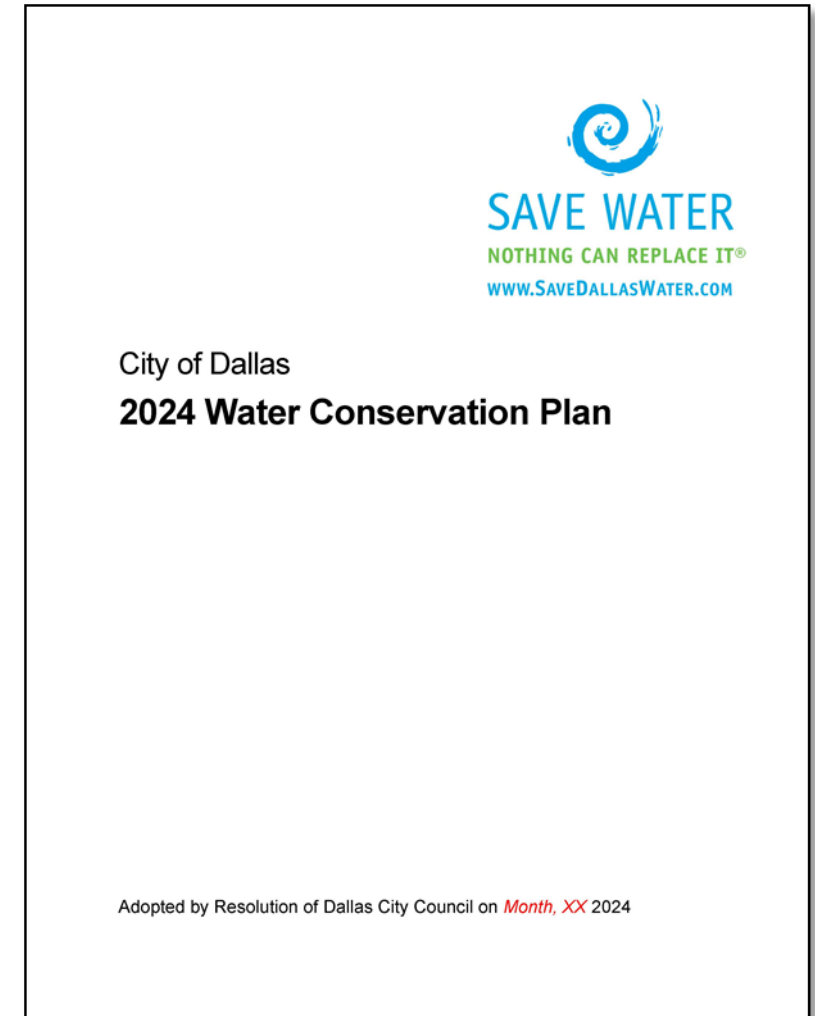


Five-Year Water Conservation Work Plan

- Road map for compliance with State mandates
- Major component of Long-Range Water Supply strategies

Water Conservation Plan (State required)

- Mandated by Texas Administrative Code, Title 30, Rule 288.2
- Required submission every five years
- **Next plan due by May 1, 2024**



Work Plan Development Process



- Examined programs and water use, and targeted strategic areas for additional opportunities
- Strategies that will continue from previous plans include:
 - Continued Customer Engagement
 - Water System Improvements
 - Ordinance Review
- Selected strategies projected to reduce per capita consumption by an average of 0.94% per year from FY 2023 - FY 2027



Proposed Measures by User Group



No.	Proposed Measure	User Group				Action		
		SF	MF	ICI	DWU	Ongoing	Enhance	New
1	New Throne For Your Home (Single-Family Toilet)	✓				★		
2	New Throne For Your Home (Multi-family Toilet)		✓			★		
3	Minor Plumbing Repair Program	✓				★		
4	Environmental Education Initiative K-12	✓	✓			★		
5	Irrigation System Evaluation Program	✓	✓	✓		★		
6	Residential Irrigation Incentive Program	✓						★
7	City Leadership & Commitment Grant Program			✓		★		
8	Enhanced Enforcement	✓	✓	✓		★		
9	Public Awareness Campaigns - Outreach and Engagement	✓	✓	✓	✓	★	★	
10	ICI Audit and Rebate Program			✓		★	★	
11	ICI Incentive Program for Qualifying Non-Profits			✓				★
12	Wholesale Customer Cities Program					★		
13	Real Loss Program				✓	★		
14	Real Loss Reduction; Active Leak Detection – Additional Leak Repair, Detection and Pressure Reducing Valve Crew				✓	★	★	
<i>SF = Single Family; MF = Multi-Family; ICI = Industrial, Commercial, and Institutional</i>								





Projected Water Savings

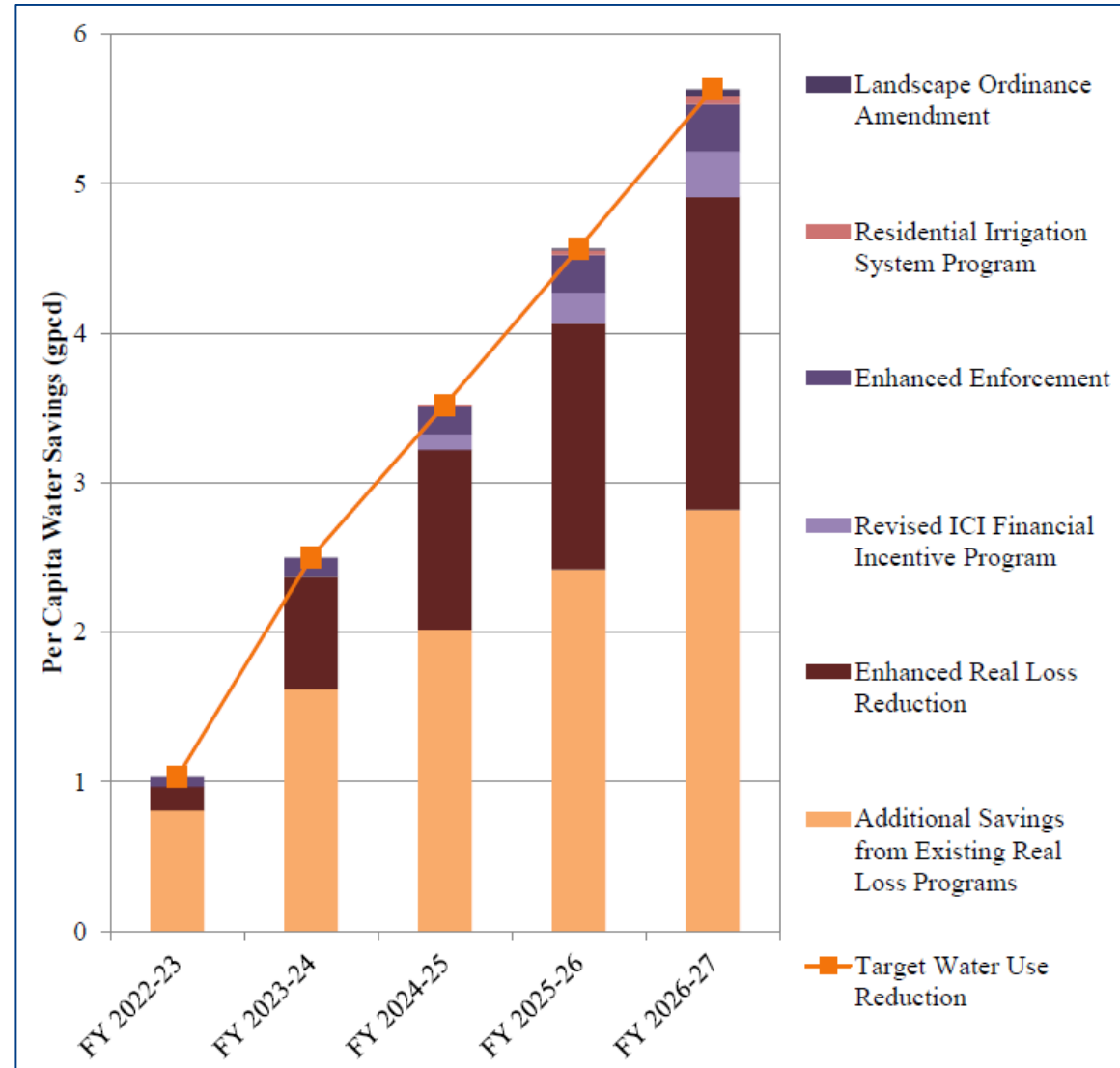


Projected Per Capita Water Savings from Selected Strategies



Per Capita Water Consumption Goal

Water Savings	Historic 5-yr Average	5-yr Goal for Year 2029	10-yr Goal for Year 2034
Total GPCD	175	168	160





Five-Year Plan Recommended Enhancements



Five-Year Plan Recommended Enhancements



- **Residential Irrigation System Rebate Program**
 - **Proposed new program**
 - Incentives to complement highly successful irrigation system check-up program and water wise landscape seminars
 - Offer incentives for
 - Drip irrigation equipment
 - Spray heads with more efficient distribution patterns
 - Zone Conversion
 - **What we get**
 - Projected average water savings of **5 MG/Yr**



Five-Year Plan Recommended Enhancements



- **Industrial, Commercial & Institutional (ICI) Financial Incentive Programs**
 - **Proposed new programs**
 - **ICI Water Efficiency Partnership (WEP) Program** for ICI facility managers and leaders that represent high water use industries.
 - **ICI Water Efficiency Training Program** for ICI facility managers and leaders with a focus on the EPA WaterSense program.
 - **ICI Qualifying Non-Profit Retrofit Program** to provide authorized plumbing retrofits for qualifying nonprofit facilities. Retrofits include high-efficiency toilets, faucet aerators and showerheads.
 - **What we get**
 - Increased program participation
 - Increased outreach to medium and small businesses
 - Projected average water savings of **46** MG/Yr



Five-Year Plan Recommended Enhancements



- **Public Awareness Campaign Enhancement**

- Broaden digital audience reach with a permanent staff (versus temporary help) to:
 - Advance Water Conservation messaging
 - Manage Save Dallas Water Website and social media accounts
 - Create custom digital content
 - Adhere to City media guidelines

- **Ordinance Review**

- Review ordinance and regulations relating to landscaping

- **What we get**

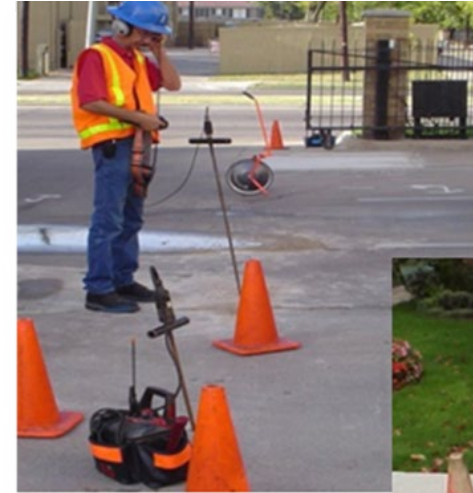
- Increased transparency, trust and participation
- Increased awareness of outdoor water conservation programs
- Reduced outdoor water use



Five-Year Plan Recommended Enhancements



- **Real Loss Reduction: Proactive Leak Detection and Repair Enhancements**
 - Expand leak detection programs:
 - Add funding for large diameter leak condition assessment
 - 2 Technicians for Leak Detection
 - 4 Technicians for Leak Repair
 - 2 Technicians for Pressure Reducing
- **What we get**
 - Lowered utility costs
 - Minimized property damage
 - Reduced customer disruptions
 - Projected average water savings of **346** MG/Yr





Summary and Timeline



Summary



- Five-Year Work Plan serves as a road map to comply with State's water conservation requirements
- Dallas has made great strides in reducing its per capita water demand using conservation and efficiency programs
 - A 32% decrease in per capita usage since FY 2001
 - Ongoing water conservation efforts have saved approximately **387** BG
- Proposed 2024 Water Conservation Plan goal is to reduce per capita water use by an average 0.94% percent per year over the next five years by
 - Implementing measures with higher water savings early
 - Aligning strategies that have similarities/synergies



Timeline For Plan Adoption



- Community Survey
 - Fall 2023
- Plans finalized and posted to www.savedallaswater.com
 - March 2024
- Council adopts plans subject to annual appropriations
 - April 2024
- 2024 Water Conservation Plan will be submitted to TCEQ
 - May 1, 2024



Next Steps



- Seek support from Parks, Trails and the Environment Committee for adoption of:
 - City of Dallas 2024 Five-Year Water Conservation Work Plan
 - City of Dallas 2024 Water Conservation Plan (State required)





City of Dallas

Drafts of 2024 Five-Year Water Conservation Work Plan & 2024 Water Conservation Plan (State required)

**Parks, Trails, Environment
Committee**

March 4, 2024

Alicia Lee, Water Conservation Manager
Office of Environmental Quality & Sustainability
City of Dallas



City of Dallas

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

Agenda Information Sheet

File #: 24-751

Item #: C.

CECAP Considerations for 2024 Bond Program

[Carlos Evans, Director, Office of Environmental Quality & Sustainability; 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 #: 24-748

Item #: D.

Community Connectors

[M. Renee Johnson, Assistant Director, Parks and Recreation]



City of Dallas

Community Connectors

**Parks, Trails and
Environment Committee
March 4, 2024**

M. Renee' Johnson, Assistant Director
Park and Recreation Department
City of Dallas

Presentation Overview



- Purpose
- Background/Core Functions
- Park Maintenance and
- Operations District Map
- Beautification Categories in Parks
- Agreement Process
- Community Engagement Events
- Next Steps



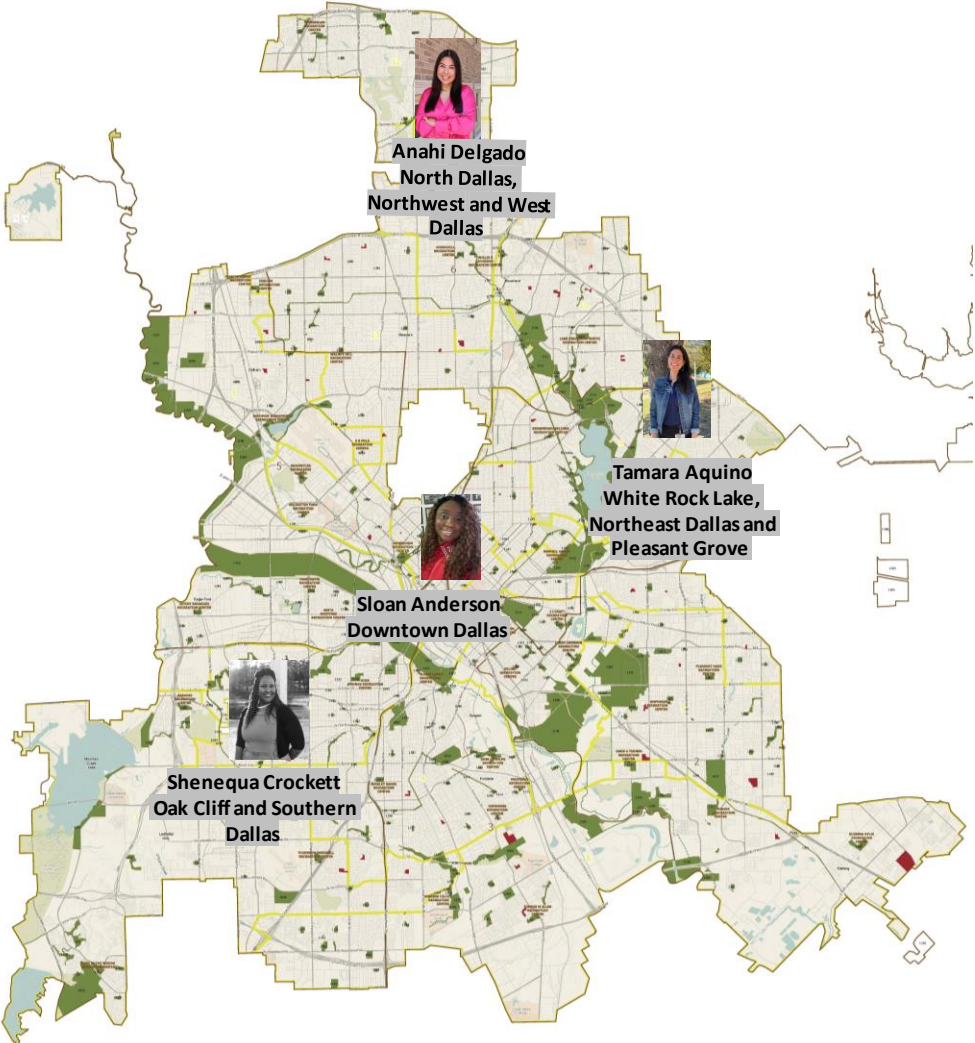
Background/History



To showcase the community engagement projects and programs that bring communities together



Park Maintenance and Operations District Map



Core Functions



Community Engagement: Supports special events with partners, attend community meetings and facilitates beautification projects

Marketing Strategy: Collaborates with Marketing And Communications (MAC) group to create promotional and informational material and social media content to bring awareness to individuals and organizations

Logistics: Coordinates logistics for volunteer maintenance initiatives including employee programs, work order requests, site plans, and communication with vendors/volunteers



Park Activation Strategy: Executes strategy through special events, partnership agreements and beautification projects

Agreements/Contracts/MOUs: Creates and initiates new agreements and the renewal of agreements through the Agreement Process.

Department Liaison: Acts as the liaison for the Mayor-Council Office, Park Board, Park Divisions and community organizations



Beautification Categories in Parks



South Oak Cliff Alumni
Bearcave
Deerpath



Northaven Trail
Butterfly Garden



Dallas Classic Baseball
Jamestown Baseball Field



White Rock Lake Foundation
White Rock Lake @ Winfrey Point



Friends of Exall Park
Holiday in the Park @ Exall

Park Enhancements and Improvements

Dallas Classic Baseball @ Jamestown, Churchill, and Winfrey Point
(Fund amenities, fund enhanced maintenance, fund irrigation improvements)

Litter and Debris Pick up

South Oak Cliff Alumni Bearcave @ Deerpath

Donations

White Rock Lake Foundation, Winfrey Point Renovation

Horticulture

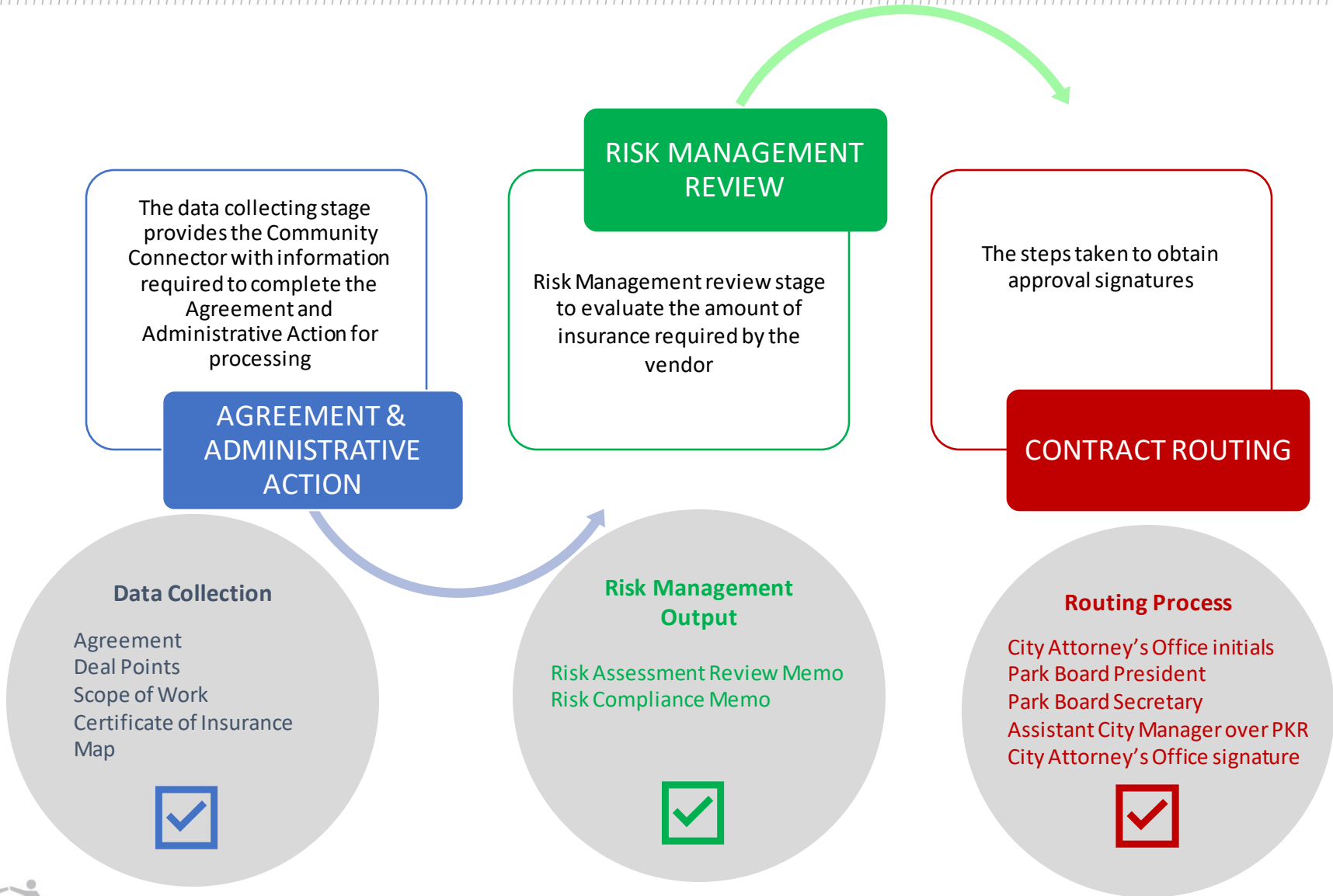
Northaven Trail - Butterfly Garden

Special Events -

Exall Park – Holiday in the Park.



Agreement Process



Community Engagement Events



Park Renaming Irene H. Trigg Prosperity Park March 15, 2023

- Renaming of Kimble Park through a monetary donation of \$50,000
- Kirk Myers (June 25, 1968 - April 4, 2023), the Park Naming Applicant and donor, renamed the park after his mother to fund park improvements



Community Engagement Events



NCAA Legacy Project/Basketball Court Ribbon-Cutting Nash Davis Park March 29, 2023

- The Final Four Legacy Court is part of the NCAA's Legacy Project initiative
- Funding granted to Dallas as one of the host cities of the women's basketball tournament



Community Engagement Events



Little Egypt Historical Marker Unveiling Paul D. Dyer Administration Building May 20, 2023

- The historical marker plaque honors African Americans who settled 30 acres in that area after the Civil War and raised families there until they were displaced in 1962
- Little Egypt family descendants attended the ceremony



Community Engagement Events



Future Farmers of America July 10 & 11, 2023

Two days of a Citywide service day at 13 Park sites, with over 1300 volunteers:

- Bachman
- Cedar Crest Trails
- Ferris
- Honey Springs
- Kidd Springs
- Kiest
- Lake Cliff
- Oak Cliff Founders
- Pioneer Plaza
- The Kay Bailey Hutchinson Convention Center
- Timberglenn
- White Rock Lake
- William Blair

Services Included:

- Weeding
- Mulching
- Planting
- Painting
- Litter and Debris Clean up

Volunteer Hours valued at \$ 296,816



Community Engagement Events



Inaugural Hispanic Heritage Celebration Kiest Park September 17, 2023

- The festival included live music, food, a classic car show, & musical performances by recording artists Monica Saldivar & Mike Gonzalez & The Iconiczz.
- Event Co-sponsored by the Huerta Family Foundation, Dallas Lowrider's and Dallas Youth Sports.



Community Engagement Events



NRPA Day of Service Lake Cliff Park Tree Planting October 9, 2023

- During the National Recreation and Parks Association Conference
- 210 Volunteers planted 125 Trees
- NRPA funded irrigation replacement of \$15,000
- Volunteer hours valued at \$17,980



Community Engagement Events



William Allen Taylor Historical Marker Dedication Trinity River Corridor November 4, 2023

- The dedication ceremony commemorated the memory of William Allen Taylor, a victim of lynching along the Trinity River in 1884
- In Partnership with the Office of Arts and Culture, Dallas Water Utilities, and Park and Recreation departments along with City leadership, the Dallas County Justice Initiative and Remembering Black Dallas, Inc.



Community Engagement Events



Cadillac Heights Roland G. Parrish Park Renaming Event November 14, 2023

The park is currently in the project design phase

Amenities will include:

- Athletic Field and Running Track
- Basketball Courts Pavilion
- Lighted Loop Trail
- Picnic Areas
- Playground
- Pavilion
- Open Green Space



Community Engagement Events



Northaven Trail Bridge Ribbon-Cutting December 2, 2023

- Bridge connection between existing bicycle/pedestrian trails in Dallas across the US 75 (Central Expressway) corridor just north of Royal Lane
- This new segment joins multiple regional trail connections together, including the Northaven Trail on the west side of US 75 directly to the Cottonwood Creek Trail and the White Rock Creek Trail on the east side



Community Engagement Events



Volunteers are an essential part of our Dallas Parks System. Their support and contributions help to carry out the Department's Mission:

The Dallas Park and Recreation Department's mission is to champion lifelong recreation and serve as responsible stewards of the city's parks, trails, and open spaces.



Next Steps



- Work to increase Beautification Agreements 10% annually, to grow partnerships, through beautification collaborations
- Collaborate with other departments to leverage community involvement and maximize partnership engagement
- Improve special event performance through training of maintenance staff on best execution processes
- Elevate community service projects through strategic publicity campaigns, utilizing various media platforms to elevate awareness and participation
- Increase marketing campaign in collaboration with the MAC group





Community Connectors

**Parks Trails and
Environment Committee
March 4, 2024**

M. Renee' Johnson, Assistant Director
Park and Recreation Department
City of Dallas





City of Dallas

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

Agenda Information Sheet

File #: 24-749

Item #: E.

Office of Environmental Quality & Sustainability Solar Siting Study
[M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager]

Memorandum



CITY OF DALLAS

DATE March 4, 2024

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

SUBJECT **Office of Environmental Quality & Sustainability Solar Siting Study**

Background

In November 2022, OEQS issued a request for proposals (RFP) to seek professional assistance “to guide development of solar [photovoltaic (PV)] generating capacity on City-owned property” with the results of the study to “provide short-term and long-term cost analyses of economically feasible potential City-owned or privately-owned (under lease agreement) solar PV assets, emissions reductions associated with those assets, optimal locations for solar PV installations, project priorities and funding options for Council to consider.” The RFP identified the following priorities for this Solar Siting Study:

- Help achieve Comprehensive Environmental and Climate Action Plan (CECAP) renewable energy targets and actions;
- Advance goals of the Racial Equity Plan (REP);
- Reduce energy poverty and support access to renewable energy for low- and moderate-income residents;
- Minimize negative impact to local natural resources; and
- Explore opportunities to support habitat, pollinators, and other environmental resource assets.

The study advances the CECAP Goal 2 commitment to generate and use renewable, reliable, and affordable energy. The Goal 2 targets include the installation of 739 MW and 3,695 MW of solar power within the City by 2030 and 2050, respectively. It also aligns with OEQS’ Department Program Measures in the REP to “[p]rovide access to community solar opportunities for qualified households with the greatest need by December 2025” with the target to “[i]ncrease residential building efficiency through weatherization, access to clean energy through community solar programs, and reduce energy use in historically disadvantaged communities through other related programs.”

In April 2023, OEQS contracted with a consultant team led by Ameresco Inc. to evaluate the City of Dallas property portfolio and identify ten priority sites for further analysis. For these ten priority sites, the consultant team was tasked with providing detailed technical and financial analysis as well as preliminary system designs that could be used as the basis for future solicitations for installation of proposed systems through a later procurement. The team was also tasked with evaluating the demographic profile of the communities adjacent to each site and any potential environmental impacts of solar energy development at the priority sites.

Project Overview and Approach

The project team evaluated City properties for potential as building-serving sites and community-serving sites. Building-serving sites are properties with a City of Dallas facility or other energy-using infrastructure where a solar PV system can directly offset consumption of electricity from the grid and reduce utility costs. These sites are also referred to as “behind the meter.” Community-serving sites are properties that could host a solar PV system that produces electricity that is delivered to the grid for use by residents and non-City entities. Community solar typically

uses a subscription model where multiple participants subscribe to a portion of the solar energy generated. Subscribers do not receive electricity directly from the community solar system and therefore do not need to be physically located near the system.

OEQS staff initially requested five building-serving and five community-serving sites, and sought to avoid recommendations to install solar carport canopies as an effort to reduce single occupant vehicle use. These directives were modified following the team's presentation to the Environmental Commission on October 11, 2023, based on feedback from Commissioners and technical advisors.

Ultimately, the project team recommended eight building-serving sites, one community-serving site (Dallas Sanitation Department's Southwest Transfer Station), and one site (Martin Luther King, Jr. Community Center) that could be used to offset building electricity use or for community solar, but not both due to technical constraints. The building-serving sites were selected based on economic and technical feasibility; department feedback that identified key constraints; and site visits and document reviews that revealed disqualifying conditions of certain sites.

For community-serving sites, the team identified sites with sufficient space with appropriate conditions to support a solar PV system large enough to potentially overcome economic challenges to community solar and attract interest from: potential community solar developers, who would install the system; and retail electricity providers, who would likely manage the subscription and billing process for a community solar program. The team conducted GIS spatial analysis to evaluate sites, which were then qualified or eliminated based on key environmental criteria and department feedback.

Community Engagement and Feedback

The project team provided two primary community engagement opportunities: an online survey and town hall meetings. An online community survey in English and Spanish was administered in Fall 2023. The three-part survey gauged Dallas residents' awareness and preferences related to:

- Building-serving solar energy development on City-owned properties;
- Community-serving solar energy development on City-owned properties; and
- Residential solar energy options.

The solar siting study project team received 148 valid responses (146 English, 2 Spanish). Responses were geographically dispersed and somewhat demographically diverse, though they likely overrepresent Dallas residents with existing interest and investment in solar. Nevertheless, the survey results provided valuable insights that helped inform the selection of the ten priority solar sites and could inform potential residential and community solar energy program design.

An in-person town hall was held at the West Dallas Multipurpose Center on February 15, 2024, and a virtual town hall was held via WebEx on February 21, 2024. There were approximately 20 attendees representing at least seven zip codes, including three people from two Priority Zip Codes, and three Environmental Commissioners at the town halls. The project team provided an overview of the purpose of the study and the recommended ten sites. The in-person event also included interactive opportunities to engage with community partners to learn more about ways that residents can take climate action and support solar energy.

Attendee feedback included:

- Enthusiasm for the recommended solar installation at the Martin Luther King, Jr. Community Center (MLK Center) in particular. The West Dallas Multipurpose Center was also recommended by attendees for the City to prioritize for early investment in solar energy.

- Support for solar parking canopies to help reduce temperatures at surface parking lots, especially at the MLK Center.
- Interest in educational opportunities, including hands-on solar panel installation learning opportunities for Dallas ISD Career and Technical Education students and onsite signage explaining how solar panels work.
- Curiosity about how the City is promoting solar energy for private property owners and City plans for installing electric vehicle charging stations and battery energy storage as complements to solar energy.
- Interest in the procurement process and timeline for installing solar systems at the recommended sites.

Priority Site Portfolio Overview

The project team identified 3.6 megawatts of solar potential across ten priority sites with the potential to generate 5.4 million kilowatt hours of renewable electricity per year—that’s enough to power 420 Texas homes for a year and avoid more than 69,000 metric tons of carbon dioxide-equivalent (CO₂e) greenhouse gas emissions by 2050. The nine building-serving solar installations would produce a combined \$2.4 million net positive value over the standard 25-year durable life of solar PV. The portfolio has a 7.1% internal rate of return and would reach simple payback in year 14. The two potential community-serving sites have the potential to support 227 community solar subscriptions and would provide a valuable pilot opportunity for the City to develop a greater understanding of community solar potential and challenges in the Texas market, where community solar is not supported with an organized program and faces market, regulatory, and economic barriers to success. Site-by-site and portfolio technical and financial details are enclosed. A map of the ten priority solar sites with demographic and environmental context is available at bit.ly/CODSolarSiteMap.

The proposed preliminary designs and associated financial analysis is based on “as-is” site conditions observed by project team engineers or identified in feedback from Building Services Department (BSD) and departments controlling relevant properties including Parks and Recreation (PKR), Sanitation (SAN), Dallas Police Department (DPD), and Equipment and Fleet Management (EFM). The enclosed cost estimates and financial analysis should be considered preliminary and final determination of required upgrades would be determined at the time of final system design and permitting. The final solar siting study report will include a full and detailed list of inclusions, exclusions, and assumptions that informed the analysis.

The project team recommends aiming to develop the priority site portfolio through a single solicitation. Multiple procurements for individual sites will create delays and inefficiencies that will negatively impact the economic performance of the portfolio and delay associated emissions reductions.

Study Final Report

The project team will submit a comprehensive report detailing study approach, site-level analysis, and recommendations on community solar, funding, and procurement in March 2024.

Enclosed

- Priority site technical and financial overview
- Priority site map with REP priority zip codes
- Town hall presentation

If you have any questions please contact Carlos Evans, OEQS Director (214-670-1642), Paul White II, OEQS 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
Mark Swann, City Auditor
Biliera Johnson, City Secretary
Preston Robinson, Administrative Judge
Kimberly Bizer Tolbert, Deputy City Manager

Jon Fortune, Deputy City Manager
Majed A. Al-Ghafry, 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

Priority Site Technical and Financial Overview

System Details – Full Portfolio											
Priority Site	Martin Luther King Jr. Community Center	Paul Laurence Dunbar Lancaster-Kiest Branch Library	Beckley-Saner Recreation Center	Walnut Hill Recreation Center	Nash-Davis Recreation Center	West Dallas Multipurpose Center	Samuell-Grand Recreation Center	Northeast Service Center	Quarter Master	Southwest Transfer Station (Oak Cliff / Westmoreland)	Portfolio Total
Address	2922 Martin Luther King Jr Blvd	2008 E Kiest Blvd	114 W Hobson Ave	10011 Midway Rd	3712 N Hampton Rd	2828 Fish Trap	6200 E Grand Ave	8935 Adlora Ln	1600 Botham Jean Blvd.	4610 S Westmoreland Rd	
Zip code	75215	75216	75224	75229	75212	75212	75223	75238	75215	75237	
Department	Building Services	Library	Parks and Recreation	Parks and Recreation	Parks and Recreation	Building Services	Parks and Recreation	Equipment Management and Fleet	Dallas Police Department	Sanitation	
Proposed Use	Building Serving or Community Serving	Building Serving	Building Serving	Building Serving	Building Serving	Building Serving	Building Serving	Building Serving	Building Serving	Community Serving	
Mount Type	Rooftop, Carport	Ground Mount	Rooftop, Carport	Rooftop, Carport	Rooftop, Carport	Rooftop	Rooftop, Carport	Rooftop	Rooftop	Ground Mount	
System Size (kWdc)	1,088	265	253	220	187	169	167	165	148	961.4	3,623
System Size (kWac)	950	240	220	180	140	160	140	140	140	800	3,110
Annual Consumption - Pre Solar (kWh/year)	1,956,531	426,121	442,782	334,829	297,132	387,471	256,122	268,510	242,420	131,219	4,743,137

Priority Site	Martin Luther King Jr. Community Center	Paul Laurence Dunbar Lancaster-Kiest Branch Library	Beckley-Saner Recreation Center	Walnut Hill Recreation Center	Nash-Davis Recreation Center	West Dallas Multipurpose Center	Samuell-Grand Recreation Center	Northeast Service Center	Quarter Master	Southwest Transfer Station (Oak Cliff / Westmoreland)	Portfolio Total
PV Production (kWh, yr1)	1,602,630	417,926	375,448	331,140	272,475	253,190	241,838	247,409	215,928	1,456,699	5,414,683
Yield Efficiency (kWh/kWdc)	1,473.20	1,577.90	1,484.70	1,507.70	1,457.60	1,493.80	1,445.40	1,503.20	1,456.60	1,515.20	
Site Usage Offset (% of kWh)	82%	98%	85%	99%	92%	65%	94%	92%	89%	N/A	
Annual GHG Emissions Avoided (MTCO _{2e})	872	227	204	180	148	138	132	135	117	792	2,945
GHG Emissions Avoided by 2050 (MTCO _{2e})	20,534	5,355	4,811	4,243	3,491	3,244	3,099	3,170	2,767	18,664	69,378

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Financial Overview – Building Serving Sites										
	Martin Luther King Jr. Community Center	Paul Laurence Dunbar Lancaster-Kiest Branch Library	Beckley-Saner Recreation Center	Walnut Hill Recreation Center	Nash-Davis Recreation Center	West Dallas Multipurpose Center	Samuell-Grand Recreation Center	Northeast Service Center	Quarter Master	Portfolio Total
Turnkey Purchase Price	\$4,317,584	\$1,298,386	\$1,239,255	\$1,114,871	\$1,012,373	\$740,690	\$961,953	\$763,523	\$709,719	\$12,158,355
Year 1 Utility Bill Savings	152,777	46,382	32,405	30,326	28,565	24,233	21,809	27,733	24,480	388,712
Project Life Net Cash Flow	5,444,850	1,821,742	964,394	945,338	929,205	892,803	587,076	1,077,001	924,270	13,586,678
Net Present Value @ 5.00%	1,040,158	448,234	53,407	91,667	123,094	195,725	(22,329)	272,515	218,632	2,421,103
Simple Payback (Years)	Year 14	Year 13	Year 16	Year 16	Year 15	Year 13	Year 17	Year 12	Year 13	Year 14
Return on Investment	126.1%	140.3%	77.8%	84.8%	91.8%	120.5%	61.0%	141.1%	130.2%	111.7%
Internal Rate of Return	7.3%	8.5%	5.5%	5.9%	6.4%	7.9%	4.7%	8.7%	8.3%	7.1%
25 Yr Net Cash Flow at 4.3% financing	1,970,313	398,882	80,137	105,680	126,638	176,821	7,769	240,187	194,847	2,330,710

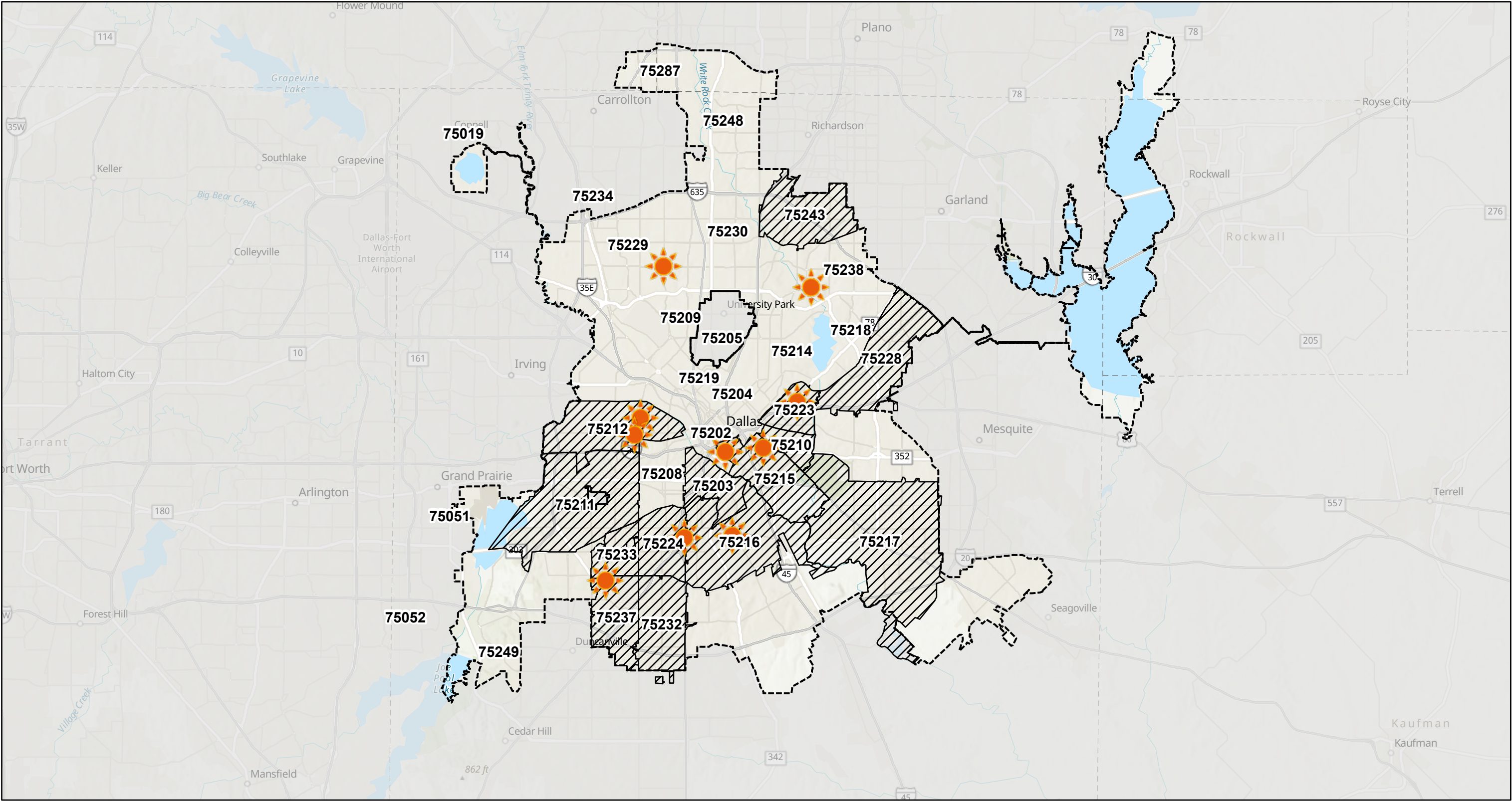
The proposed preliminary designs and associated financial analysis is based on “as-is” site conditions verified by project team engineers through site visits, provided building documentation, and feedback from Building Services Department (BSD) and departments controlling relevant properties including Parks and Recreation (PKR), Sanitation (SAN), Dallas Police Department (DPD), and Equipment and Fleet Management (EFM). **Although the consultant team quantified costs associated with standard installation conditions and known technical constraints, the provided cost estimates and financial analysis should be considered preliminary.** Project team engineers did not observe the need for specific upgrades to building electrical infrastructure or roof replacements however final determination of required upgrades would be determined at the time of final system design and permitting. **Turnkey purchase price does not include value of any incentives. Other financial metrics assume securing a 30% Investment Tax Credit using the elective pay process and Oncor rebates.** The final solar siting study report will include a full and detailed list of inclusions, exclusions, and assumptions that informed the analysis.

Community Serving Sites Overview

Community Serving Sites Overview		
Site Name	Installation Price	# of Community Solar Subscriptions
Martin Luther King Jr. Community Center	\$4,620,273*	119
Southwest Transfer Station	\$4,099,586	108




*Installation price for this site differs from building serving price due to increased costs associated with direct interconnection to Oncor distribution grid

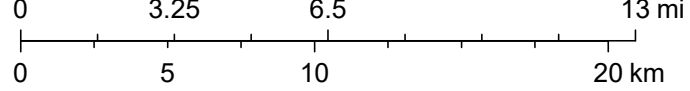
Priority Solar Sites - City of Dallas Properties




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1:305,750

-  Priority Solar Site
-  Dallas City Limits
-  Priority ZIP Code



 Esri, NASA, NGA, USGS, Texas Parks & Wildlife, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS



City of Dallas

Solar Siting Study Town Hall

February 15, 2024

Office of Environmental
Quality & Sustainability
City of Dallas

Presentation Overview



- Welcome & Introductions
- Warm Up: Solar Association
- Study Overview
- Priority Sites for Solar Energy
- Q&A
- Prioritization Poll
- Closing & Next Steps



Solar panels at Fretz Recreation Center



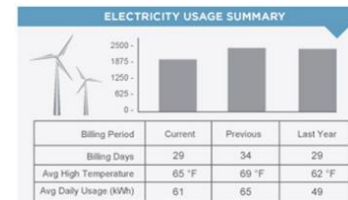
Why Solar For City Properties?



2030



739 MW
of solar power
installed

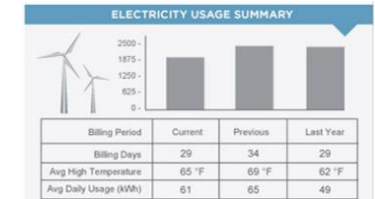


20% of
residents + businesses
enrolled in a renewable
electricity plan

2050



3,695 MW
of solar power
installed



50% of
residents + businesses
enrolled in a renewable
electricity plan



Why Solar For City Properties?



SELECT ANY ACTION
TO SKIP DIRECTLY
TO THAT PAGE



02 | Dallas generates and uses renewable, reliable, and affordable energy.

Maintain a high degree of reliability during extreme weather events.

- Maintain a high degree of reliability in the electric delivery grid through cooperative actions between the City and Public Utility Companies.
- Evaluate the potential for the City to make investments in energy storage technologies for both resilience and renewable energy development purposes.
- Educate commercial power users about power savings associated with demand side management.

Encourage investment in, and greater use of, renewable energy.

- Continue partnership with Public Utility Companies on an intensive education program on renewable energy options.
- Invest in programs through local community colleges to train and establish a local workforce that is focused on renewable energy technologies.
- Build a regional strategic partnership to promote adoption of renewable energy.
- Establish and invest in renewable energy hubs through partnerships with private sector.
- **Extend City efforts to develop more renewable energy projects on City facilities.**
- Continue to implement Green Energy policy for City facilities.

Ensure affordable access to renewable electricity.

- Extend partnership with organizations like PACE and other Public Utility Companies to provide further incentives for renewable energy.
- Advocate for Renewable Energy Policies at the State and Federal levels.



Consultant Team Introductions



- Project lead, technical/financial analysis, system design



- Environmental analysis + GIS



- Equity analysis + community engagement



- Community solar analysis



Solar Association



Solar Siting Study Scope



Initial Assessment Factors:

- Large City-owned properties near low- and moderate-income (LMI) communities
- Available space + amenable site conditions
- Maximize offset of building electricity use
- Cost-neutral to City
- Preserve tree canopy and open space
- No impact to protected species
- Preference to minimize solar parking canopies (carports)
- Ability to pilot newer technologies
- Community solar program potential

Adjustments Based on Feedback:

- Considered entire City of Dallas portfolio
- Sites eliminated based on department's future use plans and 2024 bond
- Preserve sites for housing
- For ground mount solar, adequate setback from trails to protect views
- Select solar carports ok
- Refined economic success criteria and constraints (e.g., City's low cost of electricity)



Solar Development Options



Building-Serving Solar Sites

- Solar panels installed onsite that directly serves the building's energy needs
- Can be rooftop, ground mount, or carport
- Avoids use of grid electricity in real time
- Can result in lower electricity costs (but it's complicated)

Community-Serving Solar Sites

- Solar panels that do not directly serve a nearby building but instead generate electricity for others to purchase through subscriptions
- Can be rooftop, ground mount, or carport
- Are typically larger than Building Serving Solar
- Typically run by a program administrator and facilitated by supportive policy



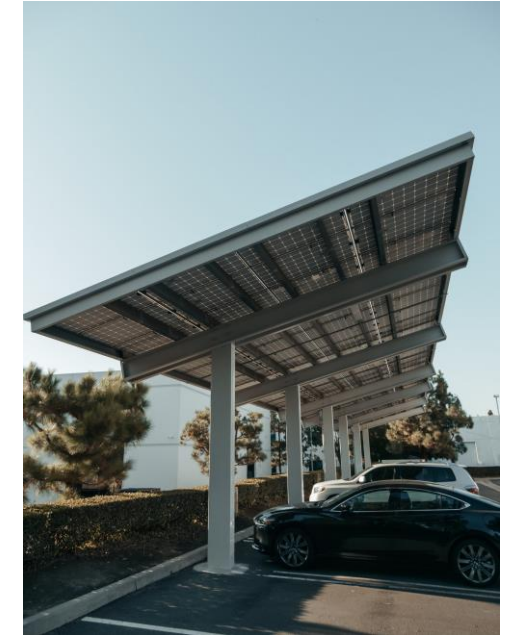
Solar Development Options (cont.)



Rooftop



Ground Mount



Carport



Study Approach



Technical

- How much solar energy can this site produce?
- Is there a good place to put solar panels at this site?
- For community-serving solar, is there a large enough area to support a community-scale system?

Financial

- How much will it cost to put solar panels at this site?
- How much can the City save on utility costs from solar panels at this site?
- How long will it take to break even (pay back) the solar panel installation costs?

Environmental

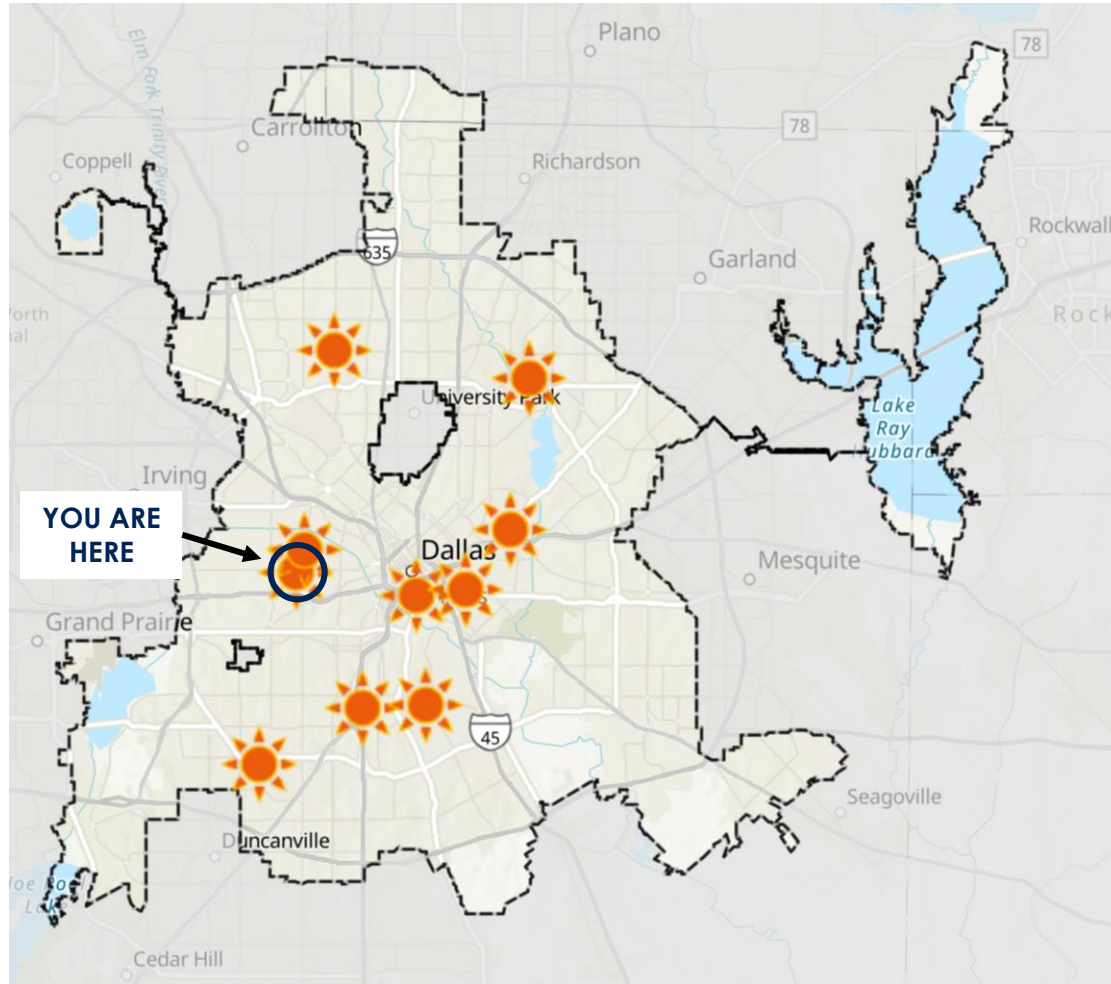
- Would trees or other desirable vegetation have to be removed? Would any protected species be affected?
- Is there a more desirable use than solar for this site?
- Would there be any water quality impacts?

Equity

- Does the presence of solar panels at this site affect the users of the site and/or surrounding community?
- Are there job creation and/or job training opportunities from putting solar panels at this site?
- For community-serving solar, could community members—especially those with low incomes—benefit from a solar subscription?



Priority City of Dallas Sites for Solar Development



1. **Martin Luther King, Jr. Community Center***
(1,088 kW, rooftop + carport)
2. **Southwest Transfer Station***
(961 kW, ground mount)
3. **Paul Laurence Dunbar Lancaster-Kiest Branch Library** (265 kW, ground mount)
4. **Beckley-Saner Recreation Center**
(253 kW, rooftop + carport)
5. **Walnut Hill Recreation Center**
(220 kW, rooftop + carport)
6. **Nash-Davis Recreation Center**
(187 kW, rooftop + carport)
7. **West Dallas Multipurpose Center**
(169 kW, rooftop)
8. **Samuell-Grand Recreation Center**
(167 kW, rooftop + carport)
9. **Northeast Service Center**
(165 kW, rooftop)
10. **Quarter Master**
(148 kW, rooftop)

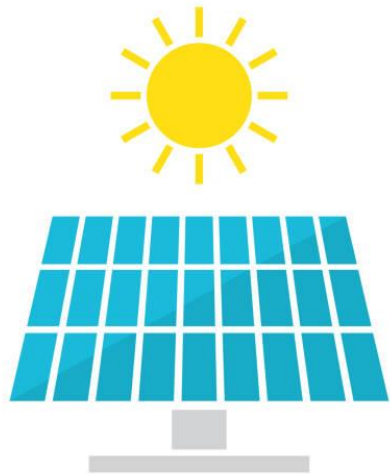
* Potential community serving sites



POTENTIAL IMPACT



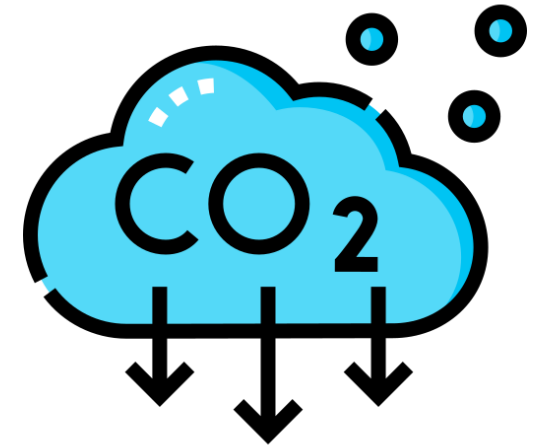
10 sites = 3.6 MW installed solar



Produce 5.4 million kWh per year



Enough to power 420 Texas homes for a year



Avoid 2,945 MTCO₂e /yr
69,378 MTCO₂e by 2050



Priority Sites Overview



Building Serving Sites	System Details		Financial Overview				Environmental Impact	
Site Name	Solar System Size (kWdc)	Annual Production (kWh)	Installation Price	Year 1 Utility Bill Savings	Payback (Year)	Return on Investment	Annual GHG Emissions Avoided (MTCO ₂ e)	GHG Emissions Avoided by 2050 (MTCO ₂ e)
Martin Luther King Jr. Community Center	1,088	1,602,630	\$4,317,584	\$152,777	14	126.1%	872	20,534
Paul Laurence Dunbar Lancaster-Kiest Branch Library	265	417,926	\$1,298,386	\$46,382	13	140.3%	227	5,355
Beckley-Saner Recreation Center	253	375,448	\$1,239,255	\$32,405	16	77.8%	204	4,811
Walnut Hill Recreation Center	220	331,140	\$1,114,871	\$30,326	16	84.8%	180	4,243
Nash-Davis Recreation Center	187	272,475	\$1,012,373	\$28,565	15	91.8%	148	3,491
West Dallas Multipurpose Center	169	253,190	\$740,690	\$24,233	13	120.5%	138	3,244
Samuell-Grand Recreation Center	167	241,838	\$961,953	\$21,809	17	61.0%	132	3,099
Northeast Service Center	165	247,409	\$763,523	\$27,733	12	141.1%	135	3,170
Quarter Master	148	215,928	\$709,719	\$24,480	13	130.2%	117	2,767
Building Serving Portfolio Total	2,662	3,957,984	\$12,158,354	\$388,710	14	111.7%	2,153	50,714

Community Serving Sites	System Details			
Site Name	Solar System Size (kWdc)	Annual Production (kWh)	Installation Price	# of Community Solar Subscriptions
Martin Luther King Jr. Community Center	1,088	1,602,630	\$4,317,584	119
Southwest Transfer Station	961	1,456,699	\$4,099,586	108

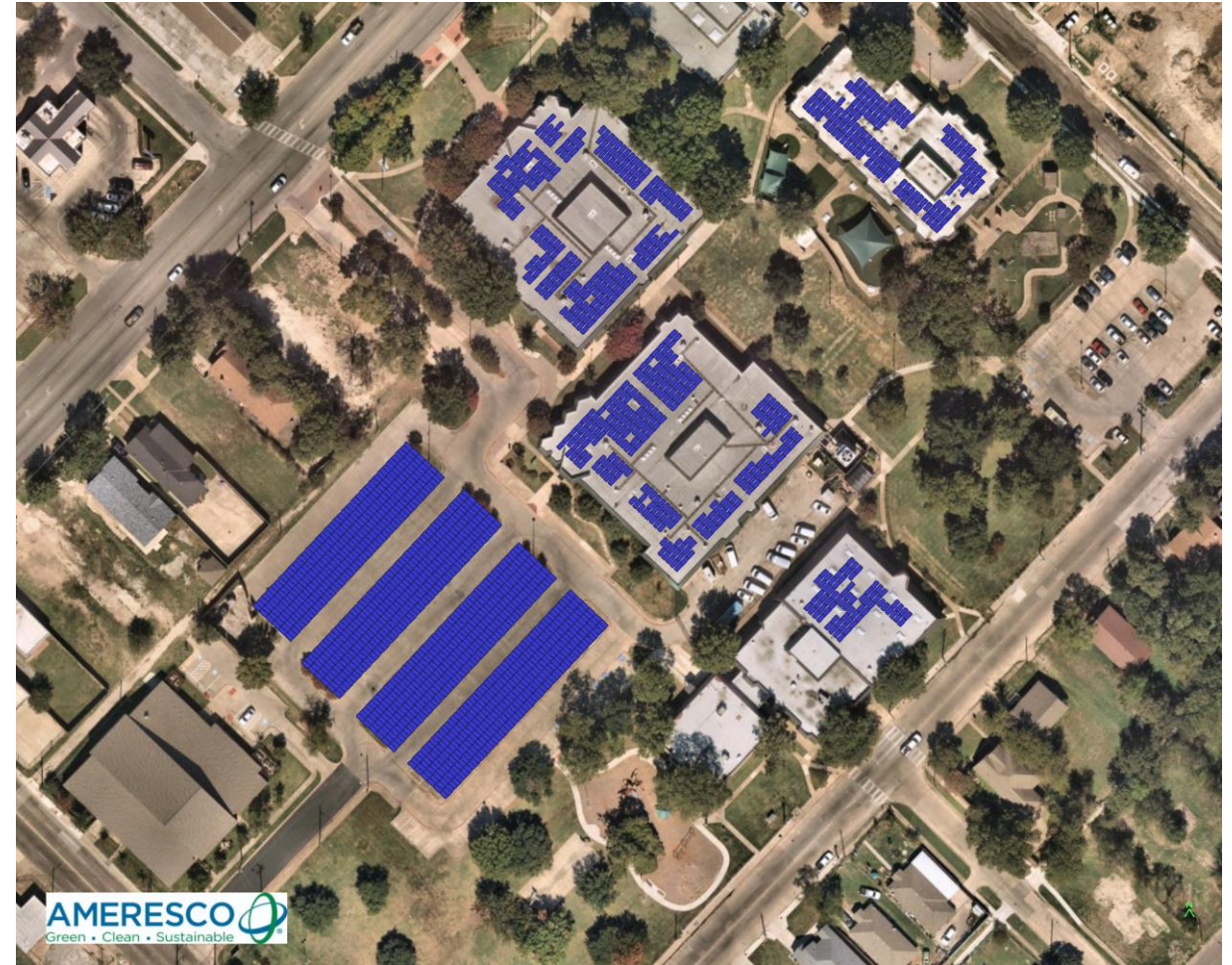
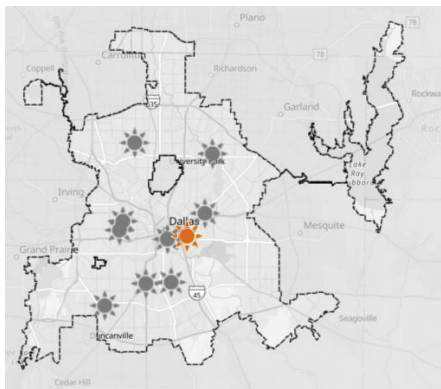
Environmental Impact	
Annual GHG Emissions Avoided (MTCO ₂ e)	GHG Emissions Avoided by 2050 (MTCO ₂ e)
872	20,534
792	18,664



Martin Luther King, Jr. Community Center



- Use:** Building serving or community serving
- Type:** Rooftop + carport
- Size:** 1,088 kW
- Estimated Cost:** \$4.3 Million
- Year 1 Savings:** \$152,777
- Payback (Yr):** 14
- Production:** 1.6 million kWh
 - 82% of site consumption
 - Equivalent to 119 homes' annual consumption
- Avoided GHG:** 872 MTCO₂e per year
20,534 MTCO₂e by 2050
- Location:**



2922 Martin Luther King Jr Blvd, 75215









Paul Laurence Dunbar Lancaster-Kiest Branch Library

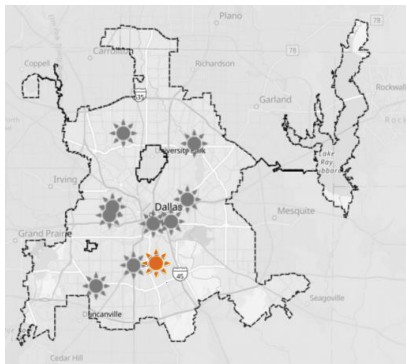


Use: Building serving
Type: Ground mount
Size: 265 kW
Estimated Cost: \$1.3 Million
Year 1 Savings: \$46,382
Payback (Yr): 13
Production: 417,926 kWh

- 98% of site consumption
- Equivalent to 31 homes' annual consumption

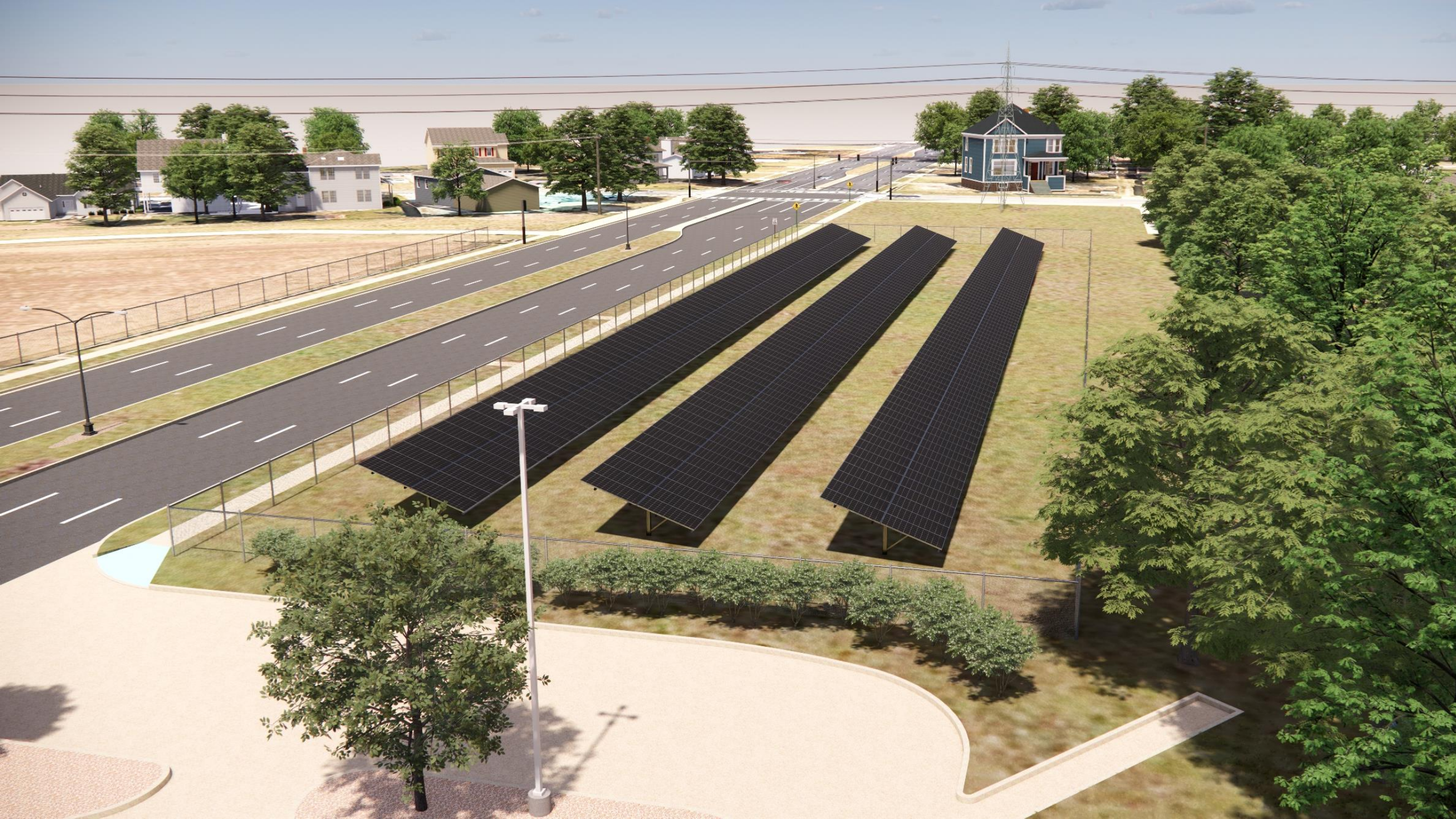
Avoided GHG: 227 MTCO₂e per year
5,355 MTCO₂e by 2050

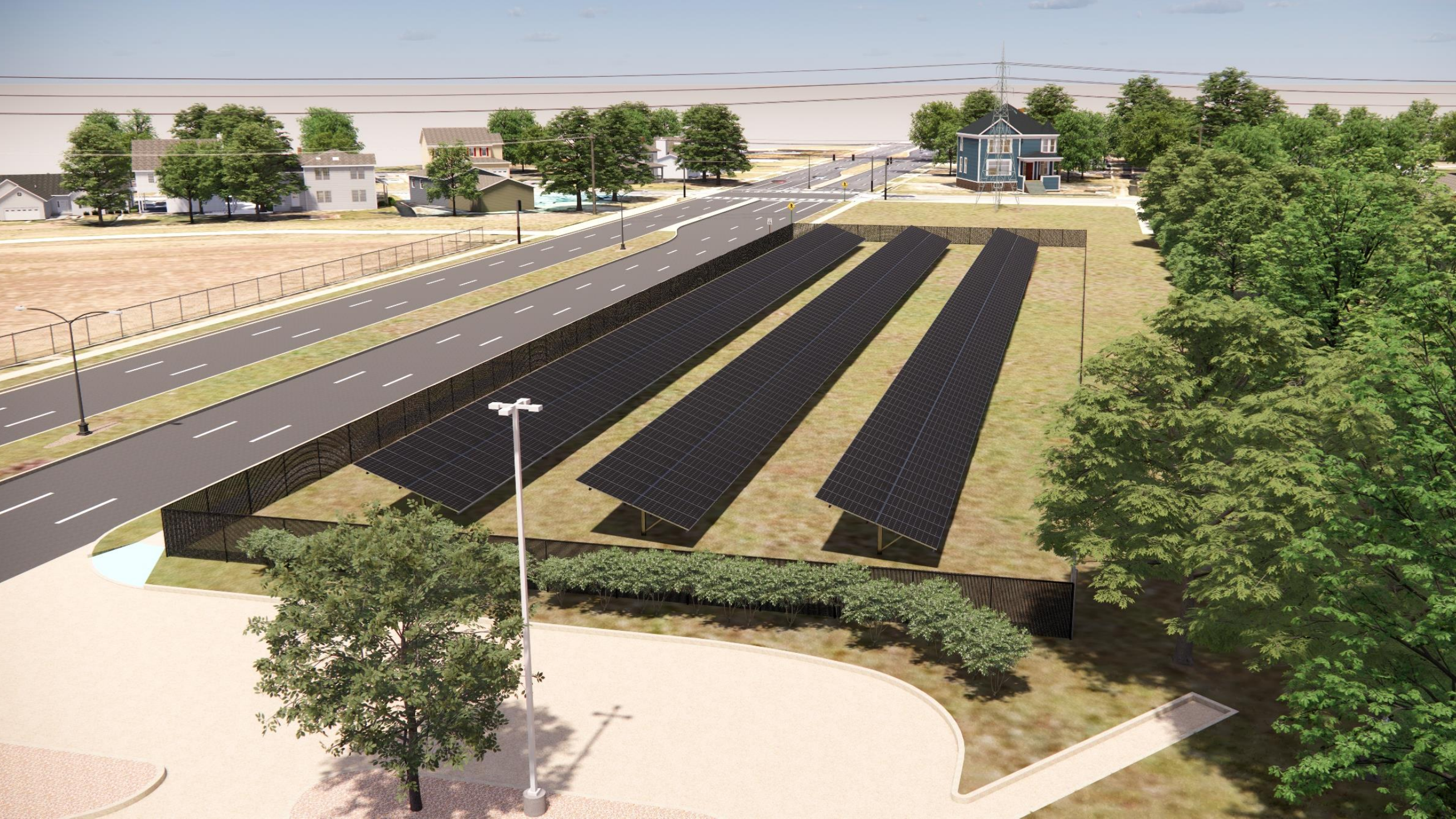
Location:



2008 E Kiest Blvd, 75216



















Beckley-Saner Recreation Center

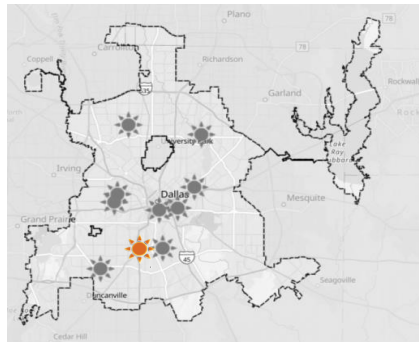


Use: Building serving
Type: Rooftop + carport
Size: 253 kW
Estimated Cost: \$1.24 Million
Year 1 Savings: \$32,405
Payback (Yr): 16
Production: 375,448 kWh

- 84% of site consumption
- Equivalent to 28 homes' annual consumption

Avoided GHG: 204 MTCO₂e per year
4,811 MTCO₂e by 2050

Location:



114 W Hobson Ave, 75224



Walnut Hill Recreation Center



Use: Building serving

Type: Rooftop + carport

Size: 220 kW

Estimated Cost: \$1.11 Million

Year 1 Savings: \$30,326

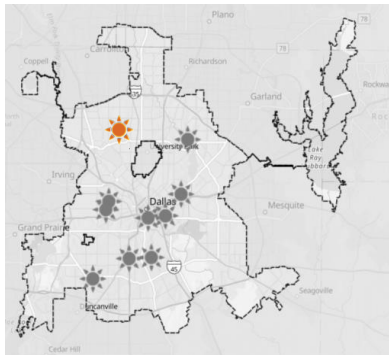
Payback (Yr): 16

Production: 331,140 kWh

- 99% of site consumption
- Equivalent to 25 homes' annual consumption

Avoided GHG: 180 MTCO₂e per year
4,243 MTCO₂e by 2050

Location:



10011 Midway Rd, 75229

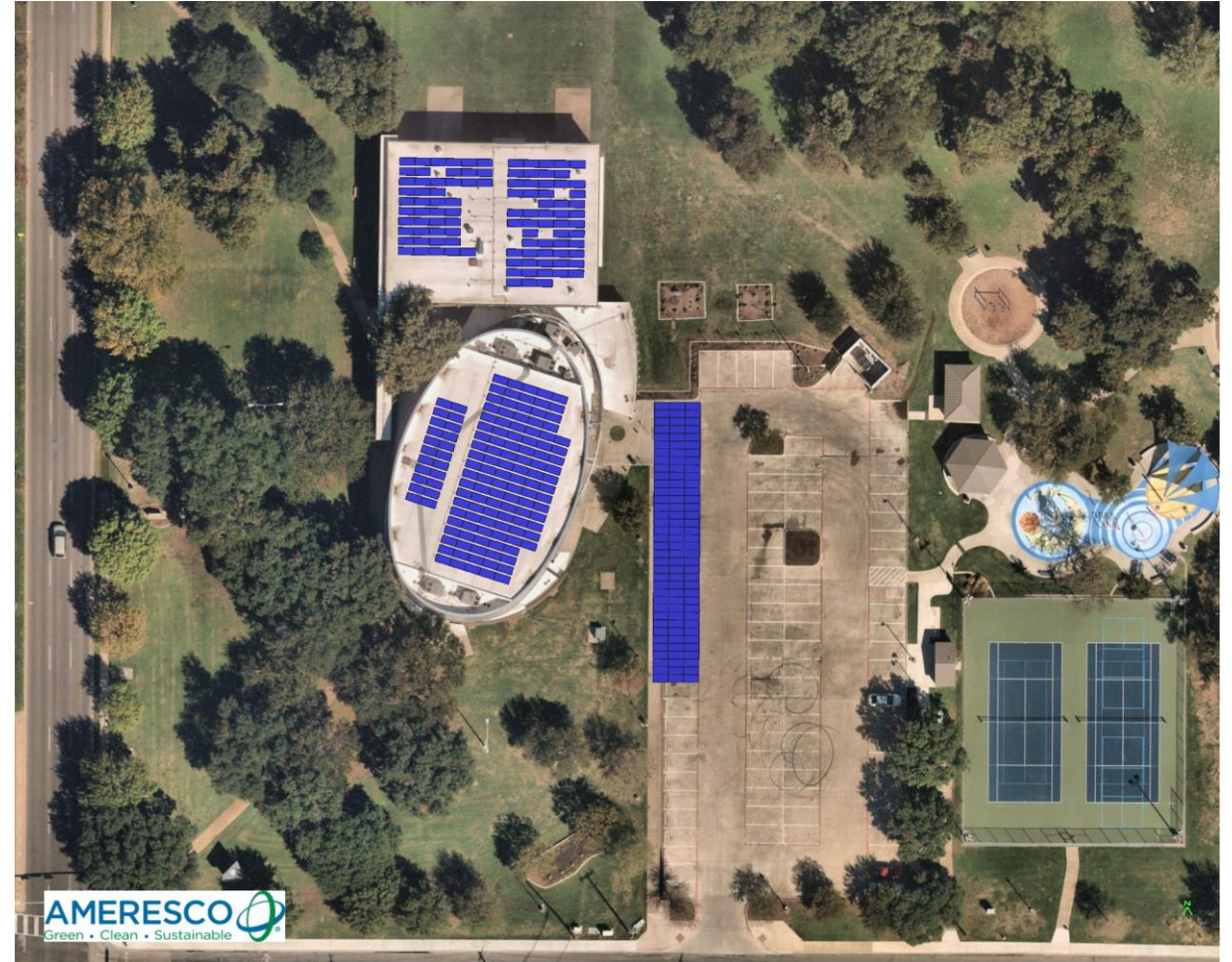
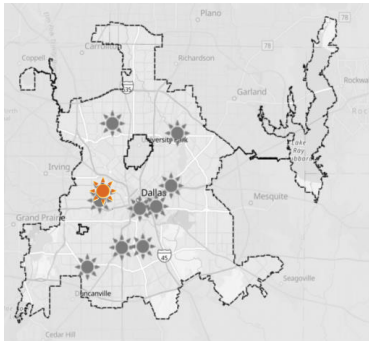


Nash-Davis Recreation Center



- Use:** Building serving
- Type:** Rooftop + carport
- Size:** 187 kW
- Estimated Cost:** \$1.01 Million
- Year 1 Savings:** \$28,565
- Payback (Yr):** 15
- Production:** 272,475 kWh
 - 92% of site consumption
 - Equivalent to 20 homes' annual consumption
- Avoided GHG:** 148 MTCO₂e per year
3,491 MTCO₂e by 2050

Location:



3712 N Hampton Rd, 75212



West Dallas Multipurpose Center

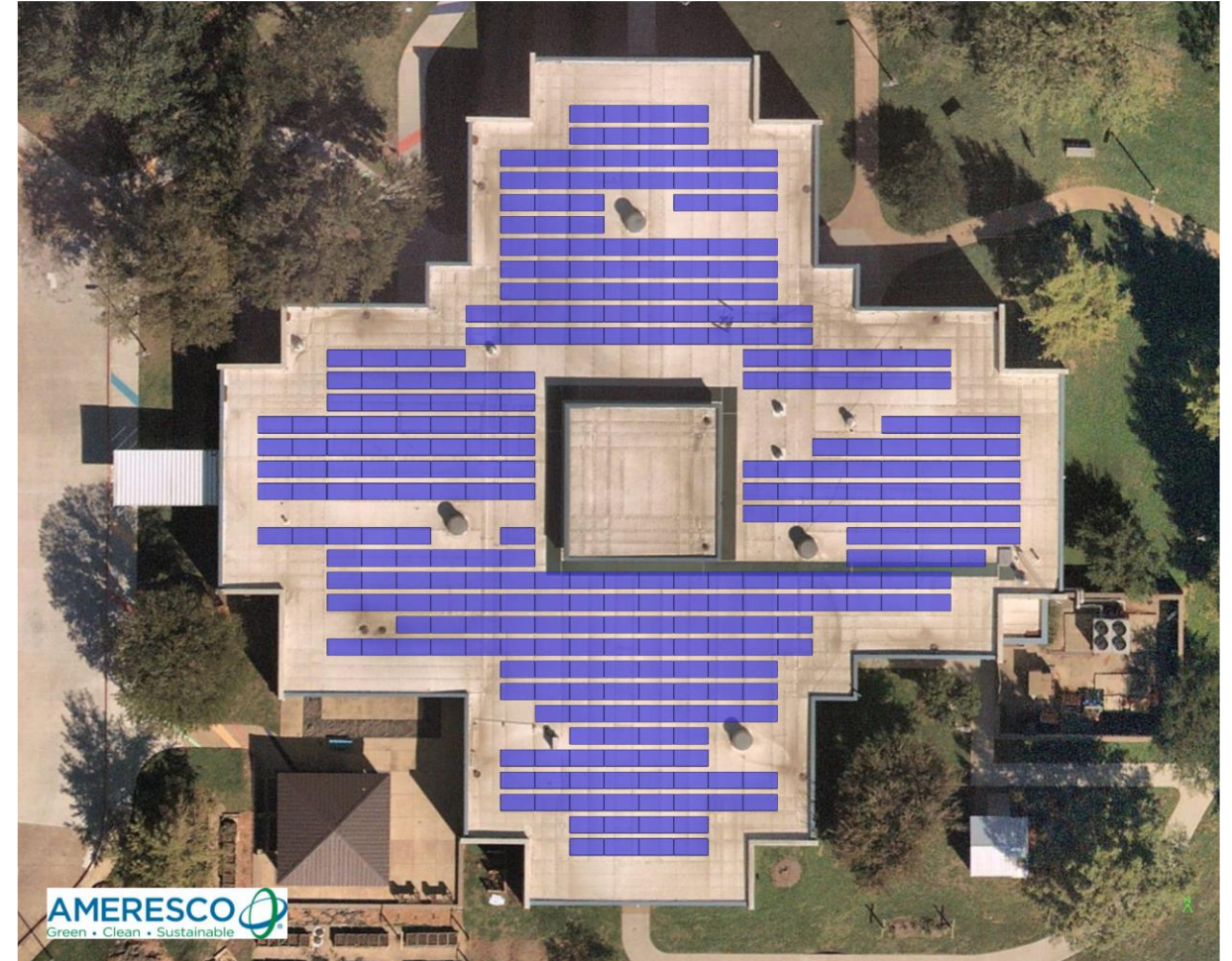
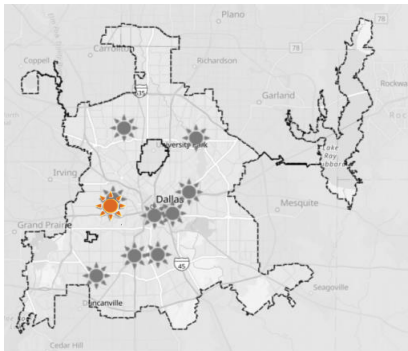


Use: Building serving
Type: Rooftop
Size: 169 kW
Estimated Cost: \$740,690
Year 1 Savings: \$24,233
Payback (Yr): 13
Production: 253,190 kWh

- 65% of site consumption
- Equivalent to 19 homes' annual consumption

Avoided GHG: 138 MTCO₂e per year
3,244 MTCO₂e by 2050

Location:



2828 Fish Trap Rd, 75212



Samuell-Grand Recreation Center

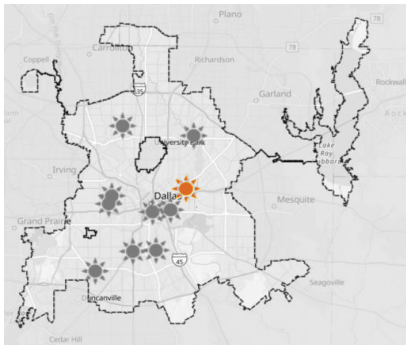


Use: Building serving
Type: Rooftop + carport
Size: 167 kW
Estimated Cost: \$961,953
Year 1 Savings: \$21,809
Payback (Yr): 17
Production: 241,838 kWh

- 94% of site consumption
- Equivalent to 18 homes' annual consumption

Avoided GHG: 132 MTCO₂e per year
3,099 MTCO₂e by 2050

Location:



6200 E Grand Ave, 75223



Northeast Service Center

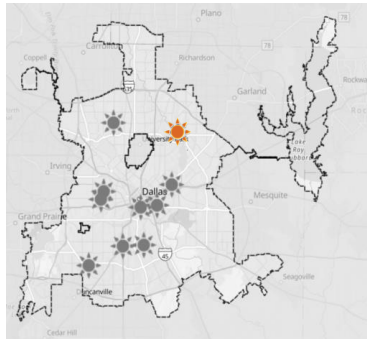


Use: Building serving
Type: Rooftop
Size: 165 kW
Estimated Cost: \$763,535
Year 1 Savings: \$27,733
Payback (Yr): 12
Production: 247,409 kWh

- 92% of site consumption
- Equivalent to 18 homes' annual consumption

Avoided GHG: 135 MTCO₂e per year
3,170 MTCO₂e y 2050

Location:



8935 Adlora Ln, 75238



Quarter Master

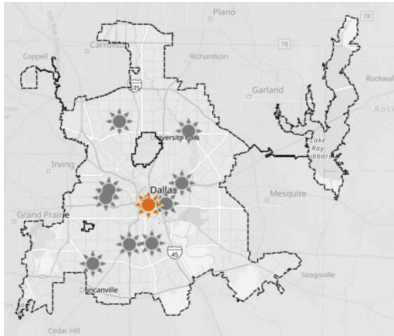


Use: Building serving
Type: Rooftop
Size: 148 kW
Estimated Cost: \$709,719
Year 1 Savings: \$24,480
Payback (Yr): 13
Production: 215,928 kWh

- 89% of site consumption
- Equivalent to 16 homes' annual consumption

Avoided GHG: 117 MTCO₂e per year
2,767 MTCO₂e by 2050

Location:



1600 Botham Jean Blvd, 75215



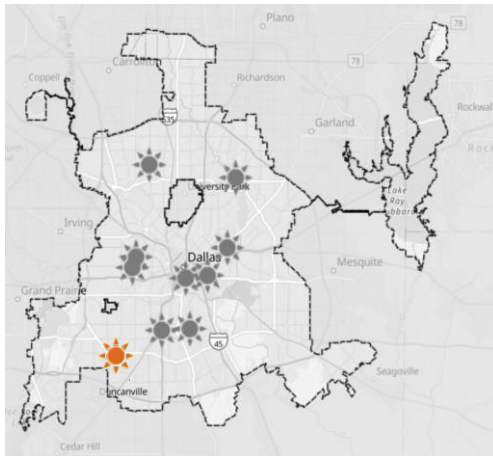
Southwest Transfer Station



Use: Community serving
Type: Ground mount
Size: 961 kW
Estimated Cost: \$4.1 Million
Production: 1.5 million kWh
– Able to support approximately 100 residential subscriptions

Avoided GHG: 792 MTCO₂e per year
18,664 MTCO₂e by 2050

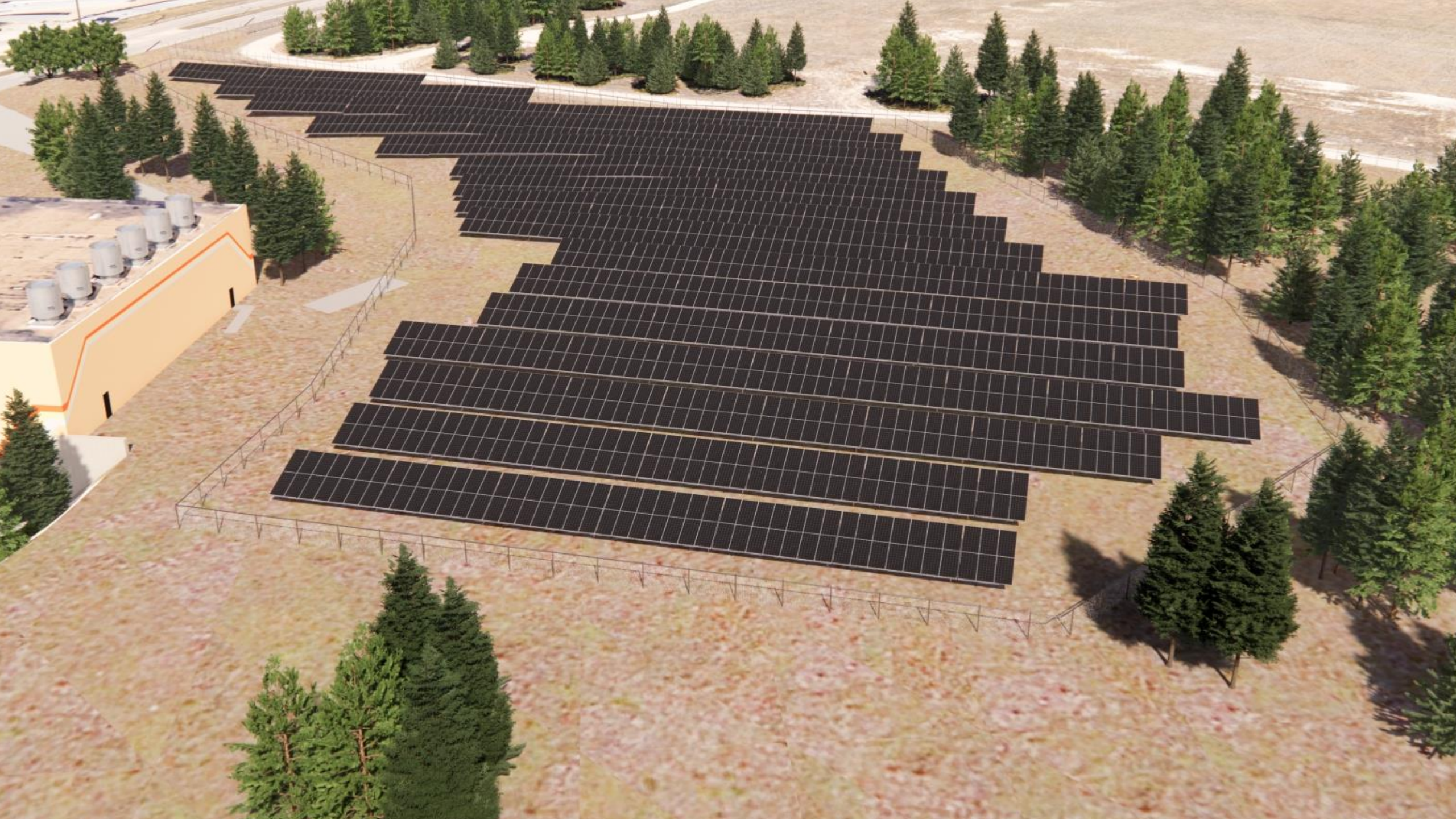
Location:



4610 S Westmoreland Rd, 75237

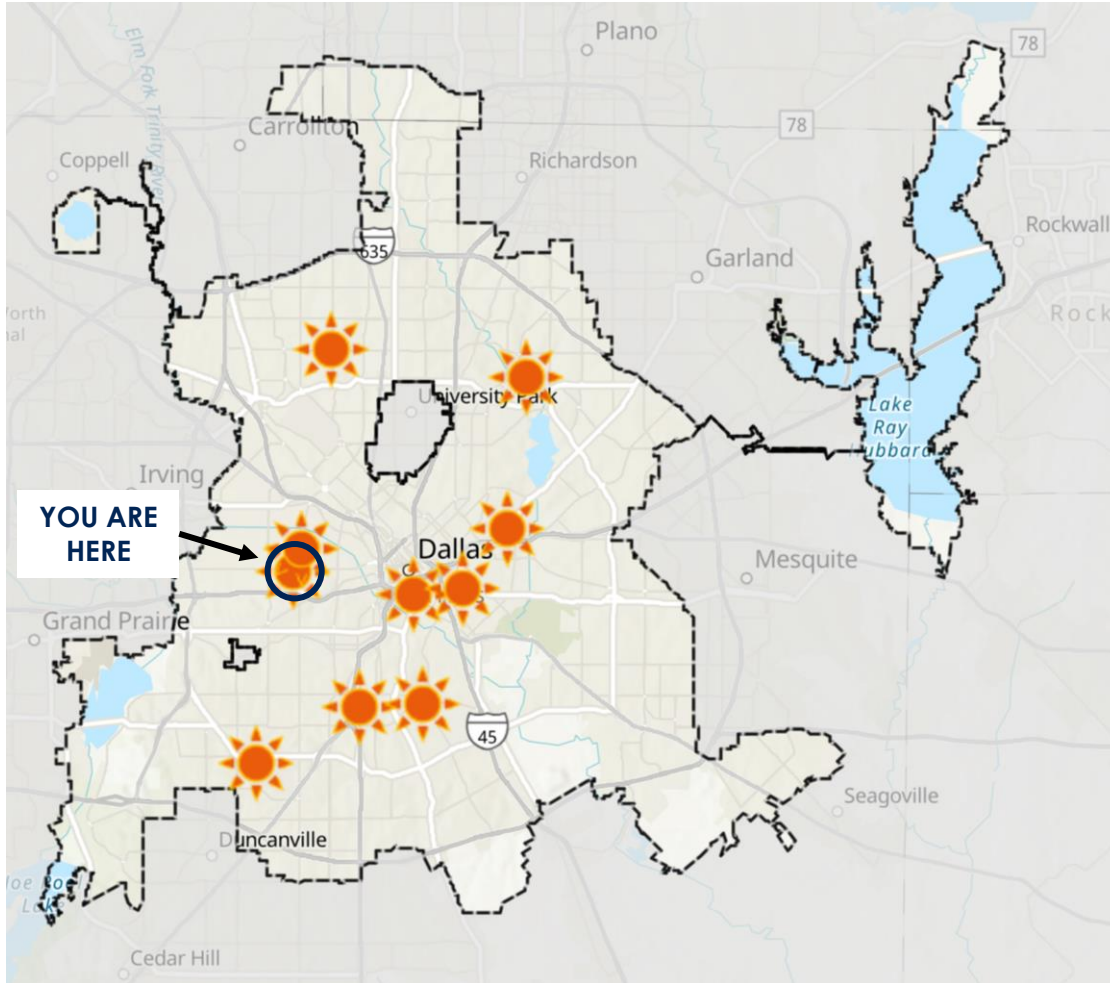








Priority City of Dallas Sites for Solar Development



Priority Site Map



Link: bit.ly/CODSolarSiteMap



Stakeholder Feedback



- Community Feedback: Survey + Town Halls
- City Departments
- Environmental Commission
- Upcoming: City Council Parks, Trails, & the Environment Committee

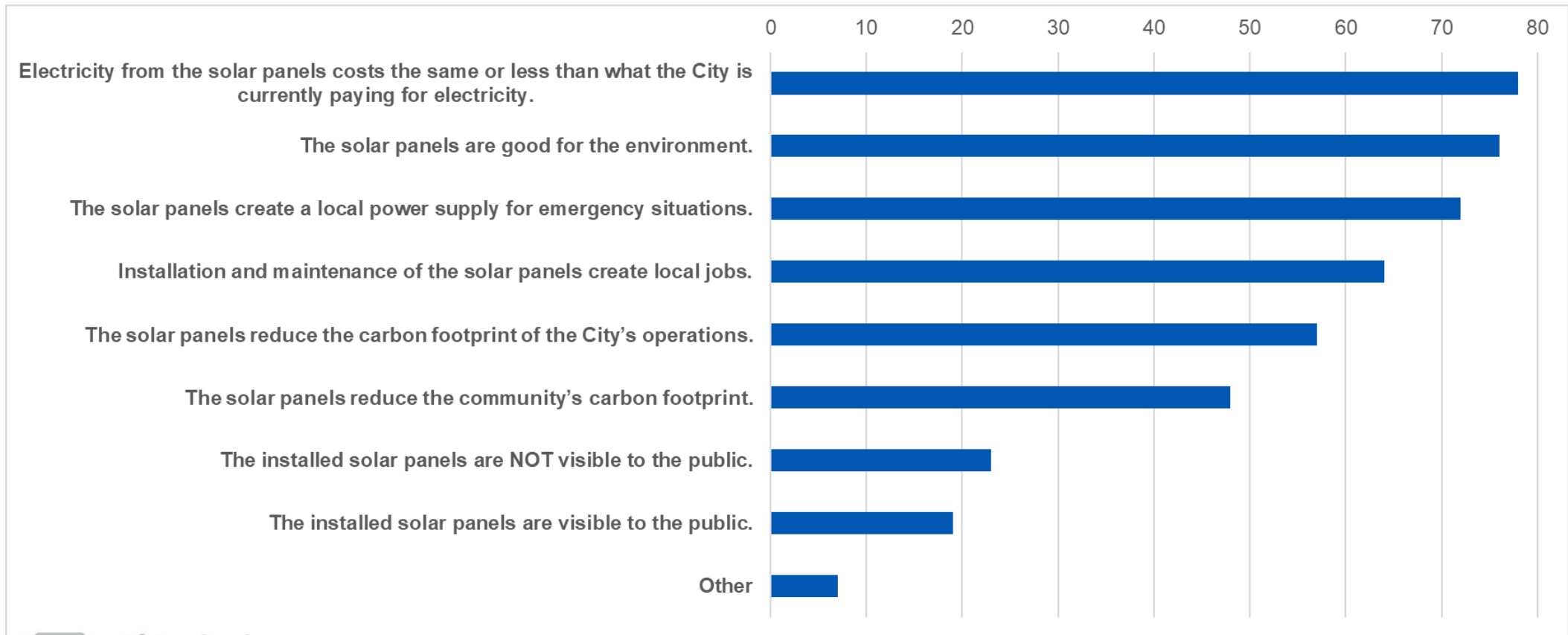


Community Survey Feedback



Which of the following would be most important to you for the City of Dallas to consider when installing solar panels at City properties?

Please select your top three (3) priorities from the list below.

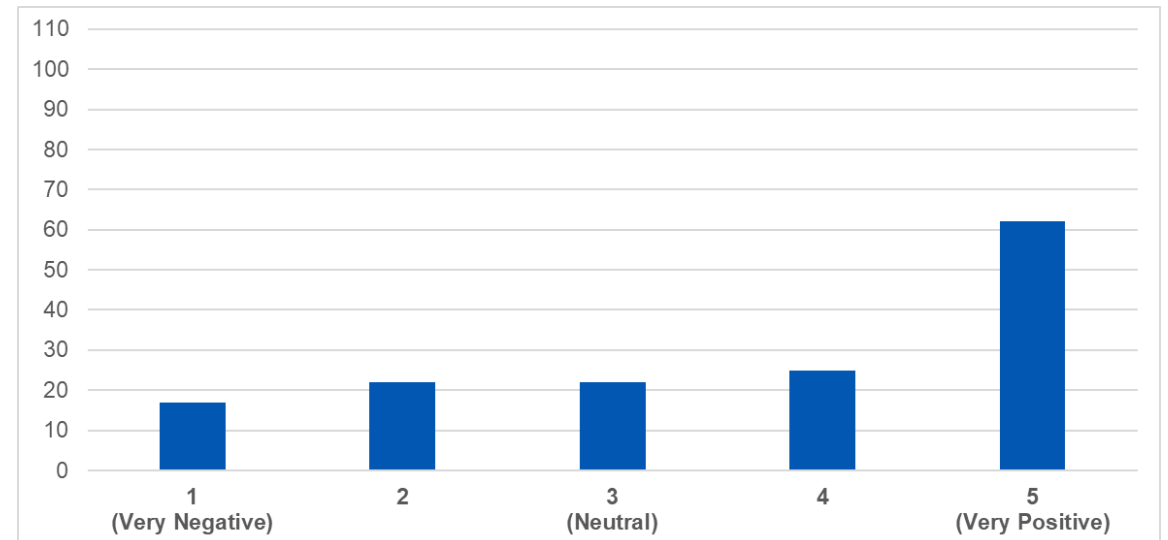
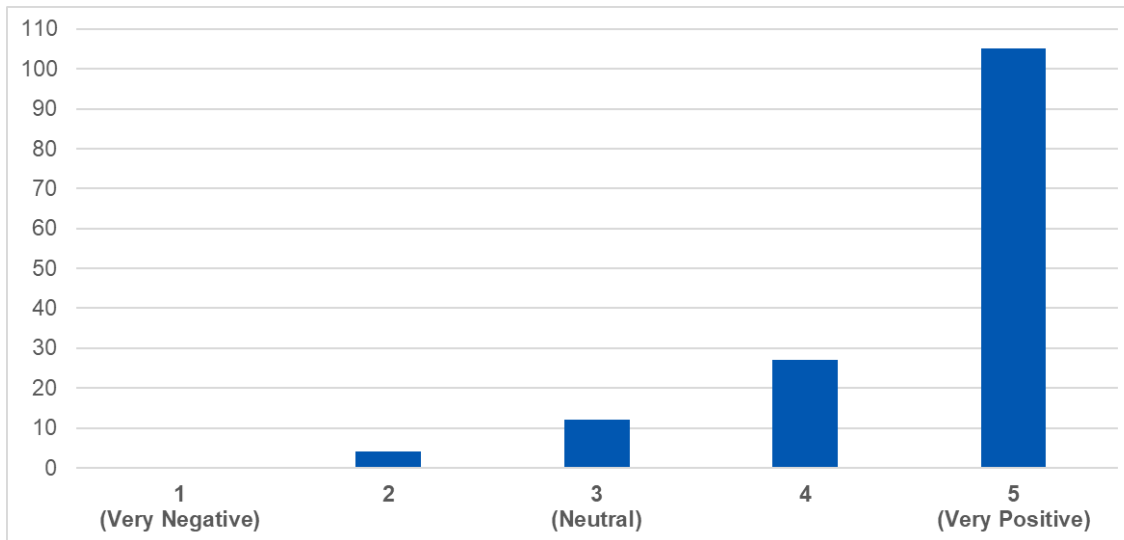


Community Survey Feedback (cont.)



How would you feel about solar panels being installed on City of Dallas buildings like City Hall, libraries, and recreation centers?

How would you feel about solar panels being installed on City of Dallas parks and other open spaces?

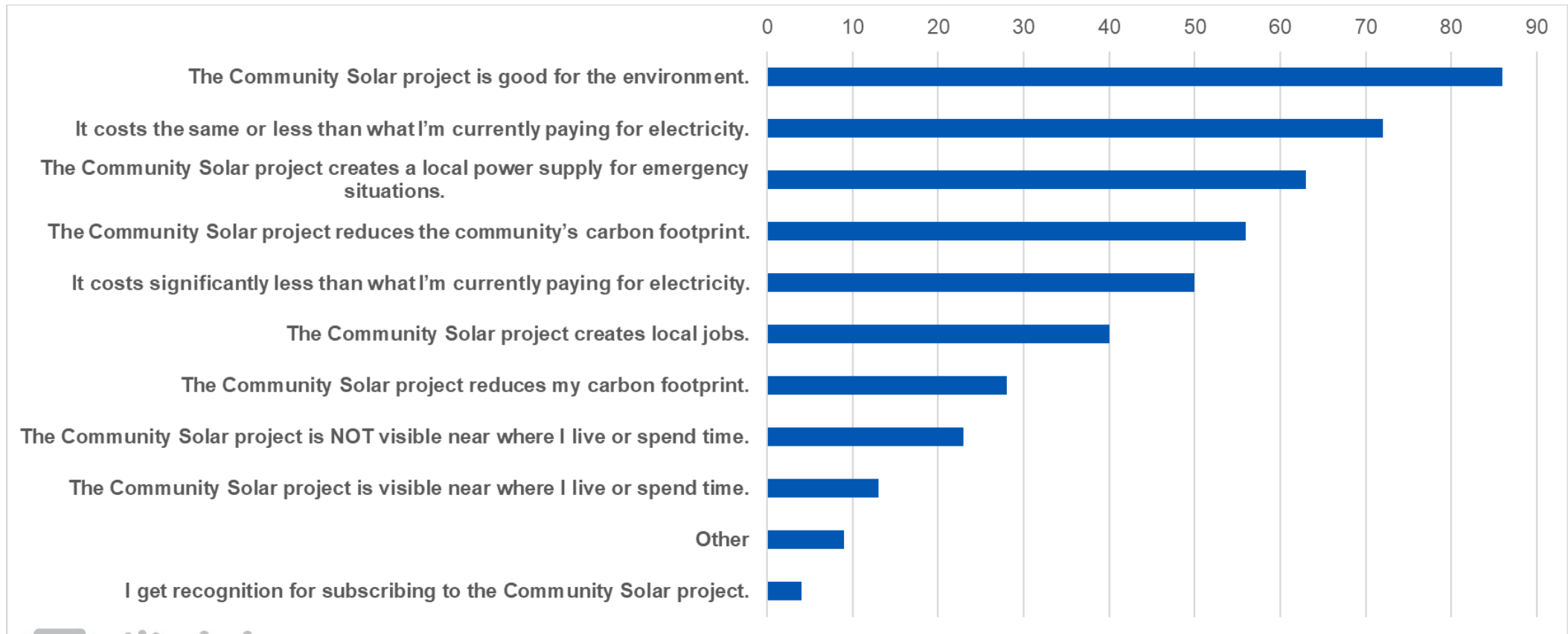


Community Survey Feedback (cont.)



Which of the following would be most important to you in deciding whether to subscribe to a Community Solar project?

Please select your top three (3) priorities from the list below.





Q&A



Help us prioritize!



Cast your vote for the TOP 3 sites you'd like the City of Dallas to prioritize for solar.

<https://www.menti.com/alp46q5483vh>

Code: 73 00 68 3



Closing & Next Steps



- Feb. 21 – Virtual Town Hall
 - Encourage others to register:
bit.ly/DallasSolarTownHall



- Mar. 4 – City Council Parks, Trails, & the Environment Committee
- Consultant team will integrate community feedback in the final report.
- OEQS will use the report findings to seek funding and issue solicitation documents for priority sites.





City of Dallas

Solar Siting Study Town Hall

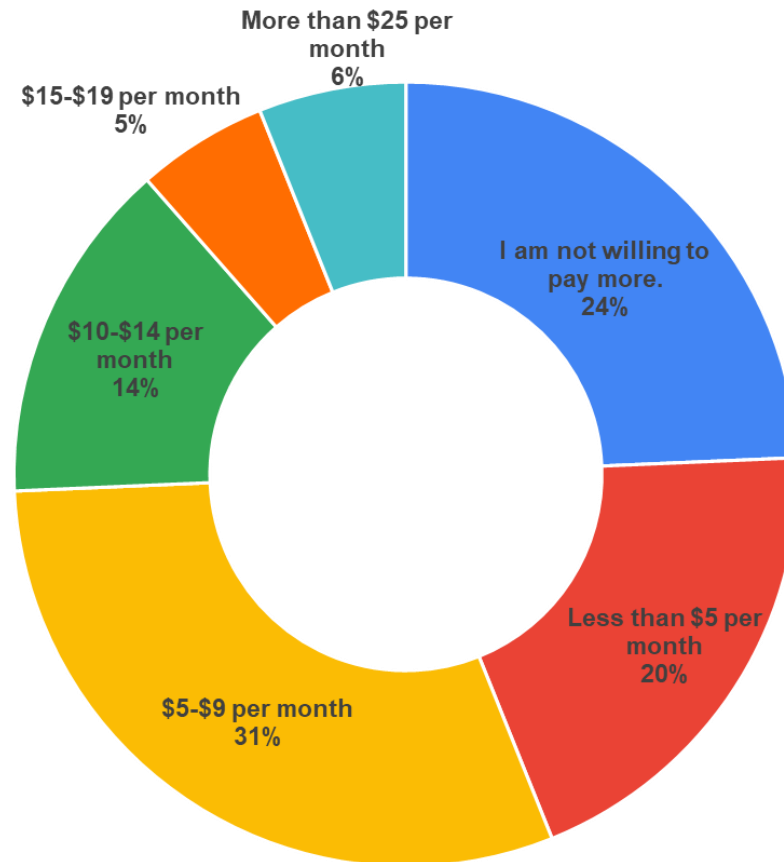
February 15, 2024

Office of Environmental
Quality & Sustainability
City of Dallas

Community Survey Feedback (cont.)



How much more would you be willing to pay for a Community Solar subscription to help members of households with lower incomes receive discounted Community Solar subscriptions?





City of Dallas

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

Agenda Information Sheet

File #: 24-750

Item #: F.

Upcoming Earth Day Events
[M. Elizabeth (Liz) Cedillo-Pereira, Assistant City Manager]

Memorandum



CITY OF DALLAS

DATE March 4, 2024
TO Honorable Chair Stewart and Members of the Parks, Trails, and the Environment Committee
SUBJECT **Upcoming Earth Day Events**

Earth Day, observed annually on April 22, is a global event dedicated to environmental protection and raising awareness about issues such as climate change, pollution, and biodiversity loss. The Office of Environmental Quality & Sustainability (OEQS) and the Environmental Commission look forward to participating in various Earth Day events throughout the month of April. It's our Earth Month!

As more information or additional events become available, details will be posted on the [City Calendar](#) and the [Green Dallas webpage](#).

[South Central Climate Resilience Forum \(SCCRF\) & 7th Annual North Texas Climate Symposium \(NTCS\) - April 2 – 4, 2024](#)

Kay Bailey Hutchison Convention Center

The SCCRf is a 3-day event uniting stakeholders from non-profits, government, community groups, private sector, and academia. The event will feature presentations by climate scientist, Dr. Katharine Hayhoe and U.S. Environmental Protection Agency Regional Administrator, Dr. Earthea Nance, followed by workshops and networking opportunities. There is a registration fee for the first two days, however, the 7th NTCS, hosted by the City of Dallas, will be integrated into this event with free admission on April 4 from 1 p.m. to 5 p.m. The symposium will center around business sustainability initiatives related to building energy efficiency and electric vehicle infrastructure.

[Totality 2024 – The Eclipse - April 6 – 8, 2024](#)

Samuell Farm

A total solar eclipse occurs this year on April 8, 2024 in North America, and it will be highly visible from the Dallas area. Samuell Farm, City of Dallas Parks and Recreation, Code Compliance, and other departments are hosting a weekend event with the actual eclipse viewing on Monday. OEQS staff will be participating on Saturday, April 7 from 10 a.m. to 8 p.m. and on Monday, April 8 from 9 a.m. to 12 p.m. An admission fee is required.

[Earth Kids - April 13, 2024, 2 p.m. to 3 p.m.](#)

J. Erik Jonsson Central Library

Join OEQS staff for Earth Kids Heros as children learn about Earth Day and how to help save the planet. This program is free.

DATE March 4, 2024
SUBJECT **Upcoming Earth Day Events**

Oak Cliff Earth Day - April 21, 2024, time TBD (all day)
Lake Cliff Park

Oak Cliff Earth Day is an annual community celebration of nature and the environment. The event offers dance and musical performances, lunch from various food trucks, and informational tables hosted by non-profits, organizations, and local small businesses. OEQS staff will participate alongside the Environmental Commission.

EarthX Congress of Conferences - April 22 – 26, 2024
Hilton Anatole Hotel

EarthX is an international non-profit environmental organization dedicated to educating and inspiring people and organizations to act toward a more sustainable future. EarthX convenes the EarthX Expo, as well as the EarthX Congress of Conferences. The Expo is on hold this year and will resume in 2025, however, the Congress of Conferences will still be taking place in 2024 and is anticipated to attract some of the world's foremost leaders in the environmental space. OEQS will participate in panels during the event and will have informational tables displayed in the Hilton Anatole lobby.

Rory Meyers Children's Adventure Garden - April 27 – 28, 2024, 10 a.m. to 4 p.m.
Dallas Arboretum

OEQS staff will continue to reach hundreds of residents promoting the Earth Day Every Day theme and round out Earth Month. The team will showcase environmental messages and activities both days from 10 a.m. to 4 p.m. An admission fee is required.

If you have any questions, please contact Carlos Evans at carlos.evans@dallas.gov.



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

- c: T.C. Broadnax, City Manager
Tammy Palomino, City Attorney
Mark Swann, City Auditor
Biliera Johnson, City Secretary
Preston Robinson, Administrative Judge
Kimberly Bizer Tolbert, Deputy City Manager
- Jon Fortune, Deputy City Manager
Majed A. Al-Ghafry, 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