

CLIMATE CHANGE

Initiatives and Strategies,
Climate Action Plan Proposition

January 17, 2023



PRESENTATION OUTLINE

- City Climate & Sustainability Efforts
- Framework for Climate Action Plan
(*2022 Community Progress Bond*)

CLIMATE & SUSTAINABILITY EFFORTS

Efforts to address climate change and reduce the City of El Paso's carbon footprint date back to more than two decades.

Early efforts introduced curbside recycling services, transitioned Sun Metro buses from diesel fuel to compressed natural gas, and the adoption of ordinances requiring new public facilities over 5,000 sq. ft. to meet green building standards and reduce outdoor water use.



Climate conversation has
moved rapidly in the last five years

FOR THE BETTER

FIRST SHIFT: clean-energy innovation is higher on the national, state and local agendas than ever before. The City of El Paso and private industry have kept up. Both, in partnership, are already acting on needs for new, affordable clean technology to reduce carbon.



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FOR THE BETTER

SECOND SHIFT: there is currently an improved understanding and growing awareness, across all sectors, of why climate care is important and how it can be deployed for the economic well-being of all—this is about **EQUITY**.



RECENT WINS

El Paso International Airport awarded \$1.7 million in federal funds to develop a solar carport.

Through the 2022 voter-approved bond referendum the City is accelerating efforts to develop a Climate Action Plan.

\$11M (\$8.8M grant) for vehicle conversion to Electric Vehicles for SunMetro Lift

\$11M (\$5M grant) for LED lighting upgrades at the Airport Terminal



PERFORMANCE OFFICE

- Transition to paperless processes
- Hybrid work model (cuts emissions, increases production)
- Remote/online training

CAPITAL IMPROVEMENT

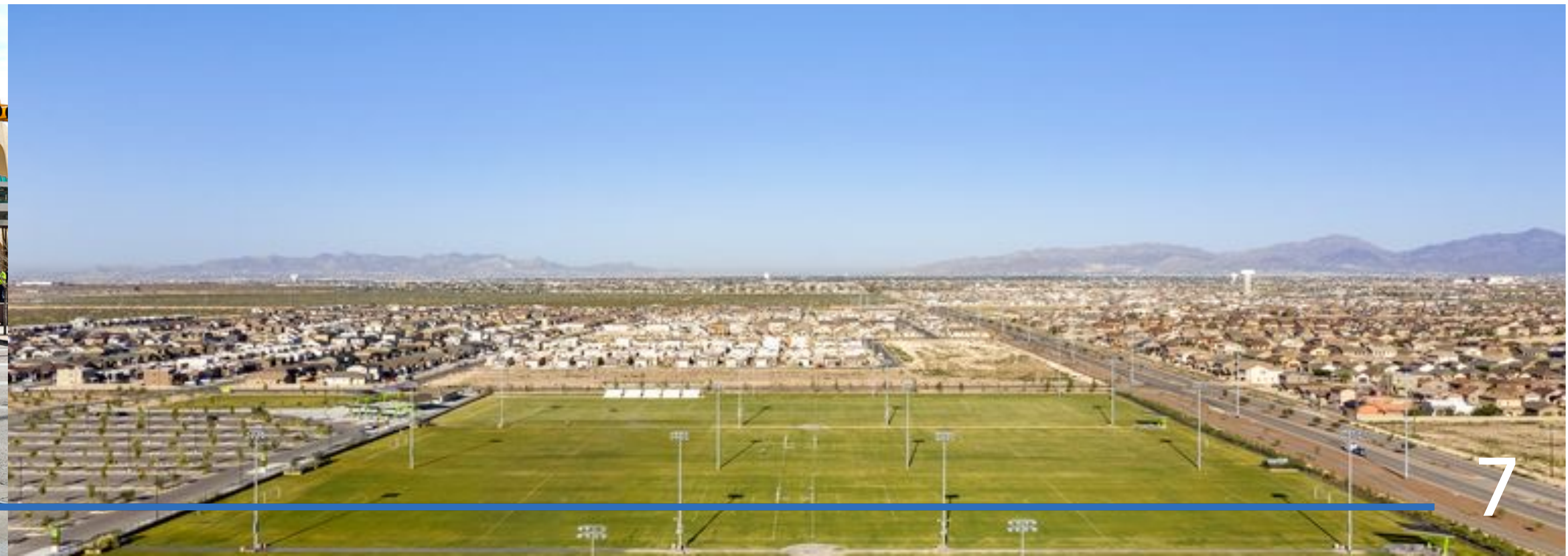
- Energy-saving improvements to facilities
- Sustainability/renewable energy projects
- Green grants awarded
- Solar farm at El Paso Airport
- Advanced Manufacturing District
- Creating more green spaces
- Microgrid research

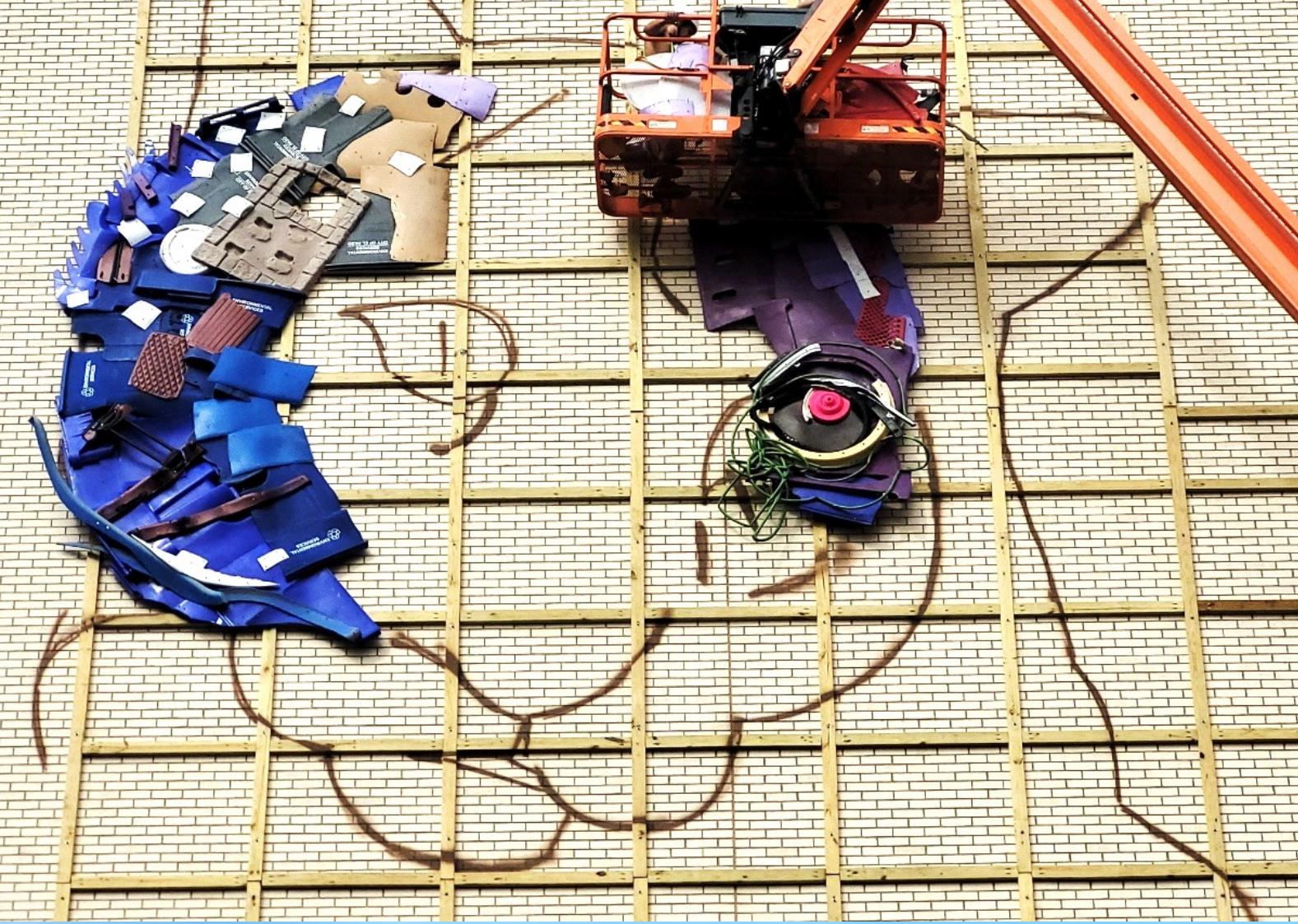
SUN METRO

- LIFT paratransit services transitioning to electronic buses
- Buses powered by CNG
- Streetcars (Electric vehicles, park-and-rides, decreasing carbon emissions in downtown)

ENVIRONMENTAL SERVICES

- Recycling programs
- Citizen Collection Stations





STREETS AND MAINTENANCE

- Streetlight upgrades to LED

PARKS AND RECREATION

- Building more parks
- More trees
- Reclaimed water usage at parks
- Recycled water usage at waterparks

MCAD

- Art projects made with recycled materials, Sunflower building mural

IT

- Investment in efficient technology to promote remote/mobile work
- Online tech training
- Online help desk

USE GREEN BUILDING CERTIFICATION

- City ordinance: all building over 5,000 sq. ft. needs to be LEED Silver or equivalent





CLIMATE ACTION PLAN

Funded through \$5 Million
voter-approved bond

OUR APPROACH: Looking at the climate problems that need to be solved, it is easy to see the glass as half-empty. The City does not share that view. Working with our partners, the glass is being filled up faster than ever. If we keep it up - if El Paso continues to put effort into innovations that reduce the cost of getting to zero carbon emissions and help the most vulnerable populations adapt to climate change, we will look back on today as an important milestone.



CLIMATE ACTION PLAN

ESTABLISH BASELINE

PUBLIC ENGAGEMENT

STRATEGIES AND GOALS

INTEGRATION WITH STRATEGIC PLAN

IMPLEMENTATION (sample projects)

- Manage flooding in commercial and residential areas
- Install more electric vehicle charging stations
- Assist in helping buildings become more energy efficient
- Incentivize residential solar energy use
- Create green spaces and increase tree canopy
- Add bike paths and pedestrian walkways

INNOVATION

DEPLOYED OR DEPLOYING IN EL PASO

	ELECTRIFICATION	POWER GRID	HYDROGEN (IN PLANNING)
Three areas of work in the City's Climate Action Plan with considerable promise/potential to scale	Electric-vehicle adoption acceleration Public vehicle adoption / transportation (Streetcar & CNG) Efficient building systems Industrial electrification/Smart Meters	Long-duration electric energy storage with GM/UTEP Advanced controls (ex, Smart Meters) with GM/UTEP Vehicle-to-grid integration (electric) with GM/UTEP Building-to-grid integration with EPE (Smart Meters)	Low-cost production Road-transport fuel Aviation fuel
Progress to date	★ ★ ★	★ ★ ★	★



PUBLIC ENGAGEMENT TIMELINE

CLIMATE ACTION PLAN



NEXT STEPS

JANUARY - MARCH

- Climate Action Plan Scope Finalization
- Public Outreach
- Consultant Procurement
- Kick-off Plan