

# 2022 Community Progress Bond Climate, Energy, and Sustainability



**Chihuahuan  
Desert**  
Climate  
Collaborative  
POWERED BY THE CITY OF EL PASO

# PROPOSED ACTION

## **Program \$5.2M Community Progress Bond funds for energy and sustainability projects**

- Alignment with Climate Action Plan (CAP)
- Consistent with bond proposition
- Operational savings

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# Proposed actions

## Solar lights

- Design, construction, and operational savings
  - Pedestrian safety
  - Increased park usage
- 

## Solar Photovoltaics

- Operational savings
  - Resilience
- 

## Green Infrastructure

- Water capture
- Nuisance flooding
- Operational savings

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# Proposed projects

## Solar lights

**140**

Streets

**115**

Sport courts

**30**

Safety complex

## Estimated cost

**\$2,385,697.64**

Streets: \$1,427,793  
Sport courts: \$651,949  
Safety complex: \$305,955.64

## Estimated life cycle savings

**\$2,586,680.16**

Streets: \$1,421,588.43  
Sport courts: \$539,055.31  
Safety complex: \$626,036.41

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# Locations – Streets

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## Roadway Projects

Project Name/Corridor	Limits	District	Category	Quantity of Solar lights
Northwestern Dr	Trade Center & San Felipe	1	Minor	16
S Copia St	E San Antonio – E Paisano	2	Minor	5
Edgemere Blvd	Sioux Dr. – 6211 Edgemere Blvd	3	Minor	10
Edgemere Crossings	Bellrose – Sunburst	3	Minor	6
Kenworthy St	Diana Dr. – Cohen	4	Minor	16
Edgemere Blvd	Tierra Este Rd & Rc Poe Rd	5	Major	16
Bob Hope Dr	Pellicano Dr. To Joe Battle Blvd	6	Minor	16
Castner	Lee Trevino – Kessler	7	Minor	15
E. Cliff Dr	Ange St. – Octavia St.	8	Minor	3
Rim Rd	Ochoa St. – N St Vrain St	8	Minor	12
Hondo Pass Rd	Diana Dr. – Railroad Dr	2 & 4	Minor	20

# Locations – Parks

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Park Name	Address	District	Type	Location Details	Number of Lights
Rio Valley Central Park	1060 Haper Ct.	1	Neighborhood	Skate park, BB Court & Plaza	8
Sereno Park	5880 Valle Calma Dr	1	Pocket	Playground area	1
Sereno Trail	5895 Valle Calma	1	Trail	2 poles at each section	6
Washington Park	200 Washington St.	2	Neighborhood	Basketball court / outdoor gym	6
Modesto Gomez Park	4600 Edna Ave	2	Neighborhood	Walking path	9
Pebble Hills Park	3200 Fierro	3	Neighborhood	Playground area/senior center entrance	3
Tyrone Park	3301 Tyrone Dr	3	Pocket	Playground area	1
Jim Crouch Park	7500 W H Burges	3	Neighborhood	Walking path/August 3rd memorial	5
Hawkins Park	1500 Hawkins Blvd	3	Neighborhood	Playground area/walking path	6
Chuck Heinrich Trailhead	11055 Loma Del Norte Dr.	4	Trailhead	Trailhead	2
North Skies Park	7073 Copper Town Dr.	4	Neighborhood	Playground area	4
Veterans Park	5301 Salem Dr	4	Neighborhood	Playground area	2
Desert Sage Park	12210 Joseph Ayoub Dr	4	Pocket	Walking Path	4
Mesquite Bush Park	Mesquite Bush	4	Neighborhood	Playground area	3
East Cave Park	14341 East Cave Ave.	5	Neighborhood	BB Court /Playground area	5
Frank Castillo Park	Gloria Castillo St. & Jennifer Clair Ln	5	Neighborhood	Basketball Court	4
Salvador Rivas	12515 Tierra Norte Rd	5	Neighborhood	Volleyball court	6
Ranchos Del Sol	1100 Ted Houghton Dr.	6	Neighborhood	New walking path/swing area	6
Walter Clarke	1519 Bob Hope Dr.	6	Community	Walking path (Eastside)	9
Capistrano	8700 Padilla Dr.	7	Community	Connection to Playa Drain	2
Gran Vista Park	1157 Montera Rd.	7	Pocket	Walking path	5
Reese McCord Park	1900 Trawood Dr	7	Neighborhood	Basketball Court / Walking Trail	8
Alethea Park	801 Stockwell Ln.	8	Neighborhood	Walking path	7
Mission Hills Park	3800Okeefe Dr	8	Neighborhood	Basketball court	4
Dunn Park	1501 N. El Paso St.	8	Pocket	BB Court	4

# Proposed projects

## Solar Photovoltaics

**500 kW**

Safety Complex

**Estimated cost**

**\$1,250,000**

\$/Kw: 2,500

Degradation: 0.6%/year

\$/kWh: 0.10

\$62,500.00 Project  
management

**Estimated life  
cycle savings**

**\$2,710,704**

SPB: 12 years

Rate increase:2%/year

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# Proposed projects

## Green Infrastructure

### Goal

Economic case for green infrastructure/water capture projects for parks and streets

### Benefits

Water conservation and reduced utility costs

Reduce flood costs

Natural irrigation method reduces utility strain

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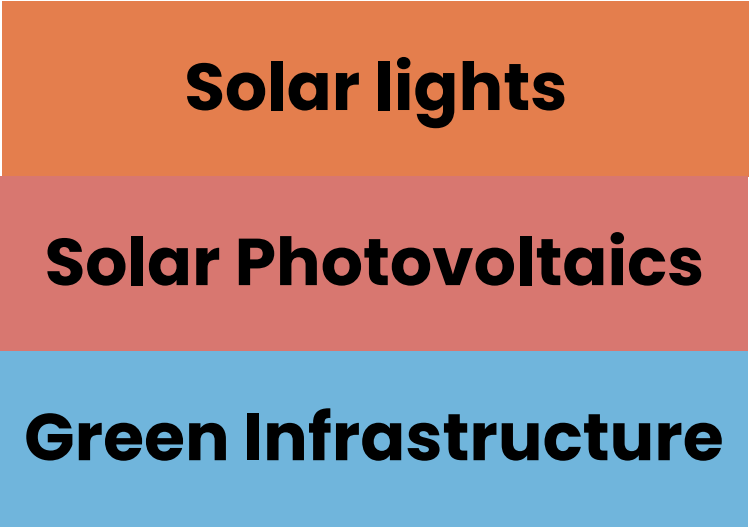


# Summary

Item	\$
Total bond	5,200,000
Art plan	104,000
Climate Plan	987,599
Total Implementation	4,108,401
Streetlights	1,427,793
Park lights	651,949
Solar PV	1,312,500
Safety Complex lights	305,955
Green infrastructure	264,775
Contingency 4%	145,429
Total Implementation	4,108,401

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**Thank you!**

