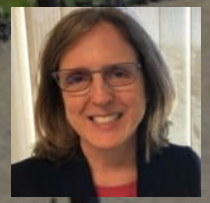
CITY PARKS ALLIANCE

BECOME A MEMBER:
cityparksalliance.org/join

November 10, 2020 | 1:00-2:00 pm ET

USING CLIMATE MITIGATION AND DISASTER RELIEF FUNDS TO BUILD RESILIENT COMMUNITIES

MODERATOR



Lisa McNeilly
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City of Las Cruces, NM
cmathews@las-cruces.org

ACCREDITATION AVAILABLE FOR:

APA

2020 FUNDING WEBINAR SERIES SPONSORED BY:

Robert Wood Johnson Foundation

Mitigating Financial Impacts of Climate Change Related Disasters

How to Navigate FEMA

Presented by East Bay Regional Park District General Manager Robert Doyle – November 10, 2020

East Bay Regional Park District

Healthy Parks Healthy People

The East Bay Regional Park District

A California Special District Founded in 1934

Stewarding 73 parks on 125,000 acres, with 1,550 miles of trails east of San Francisco Bay

East Bay Regional Park District

Healthy Parks Healthy People

East Bay Regional Park District

1,000 employees working to preserve open-space, providing access to safe parks and environmental education for over 2.8 million residents and 25 million annual visitors in Alameda and Contra Costa counties

1991 Oakland Hills Tunnel Fire

- Urban-Wildland Interface
- 3,000 Homes Destroyed
- 25 Lives Lost

East Bay Regional Park District

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2017 Storm Damage

- 117 Storm Recovery Projects
- Damage estimate $8-10+ million
- 29 park sites
- 59 Storm Recovery Projects Completed
- 58 FEMA Projects
  - 3 Insurance
  - 5 Denied
  - 15 Approved (12 Completed)
  - 35 Environmental Review

East Bay Regional Park District
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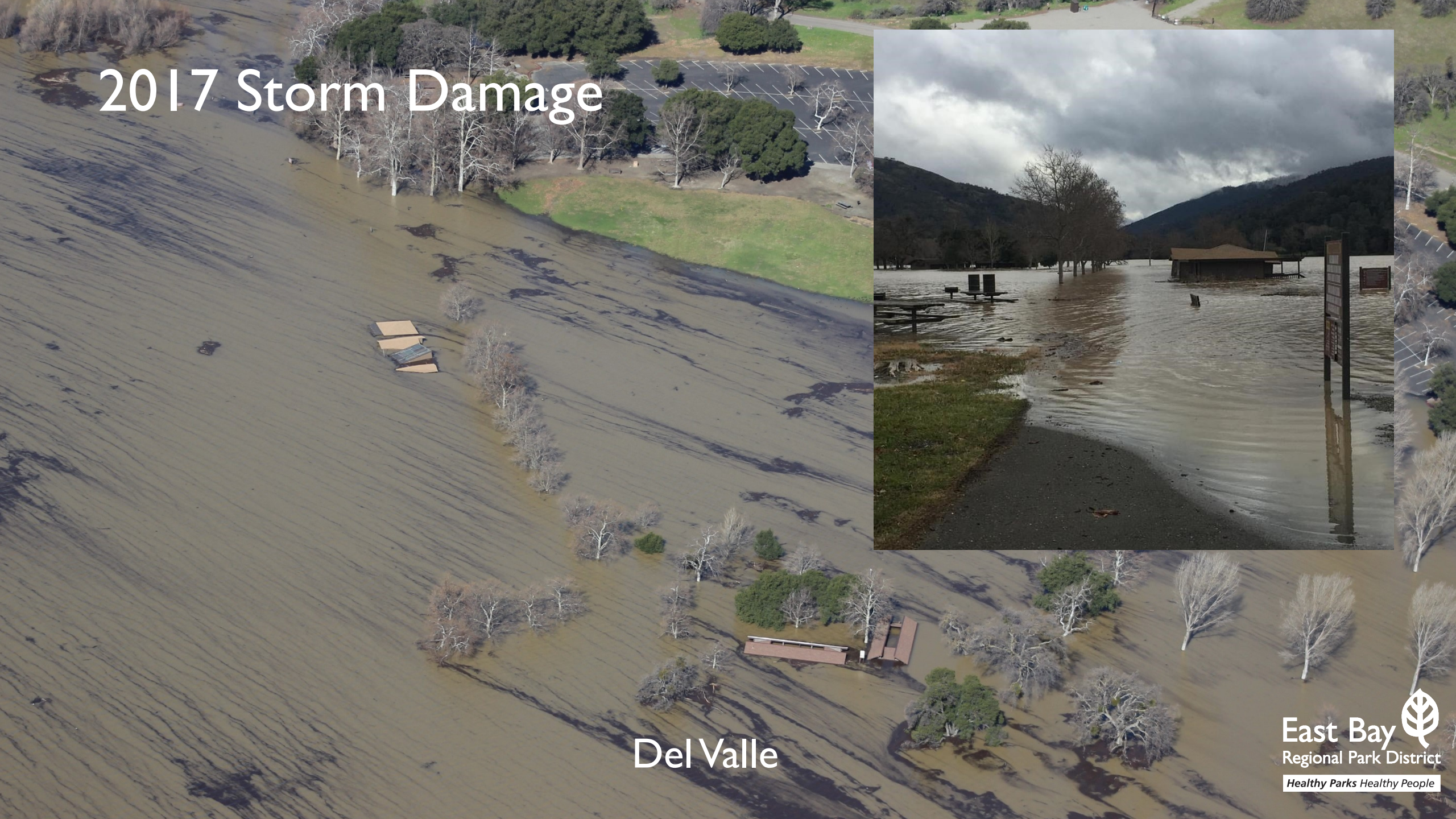
2017 Storm Damage



Del Valle

East Bay Regional Park District

Healthy Parks Healthy People

2017 Storm Damage

Rocky Ridge

Black Diamond Culvert Failure

East Bay Regional Park District

Healthy Parks Healthy People

2017 Storm Recovery Funding

$10.4 Million Total

- **$6.8 million**
  - **FEMA 75%**
  - **CalOES 18.75%**
  - **EBRPD Match 6.25%**
- **$2.6 million – Insurance**
- **$1 million – General Fund (Initial Response, County Storm Disaster Relief Crew, Matching Funds and Ineligible Costs)**

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Fires in California

The LNU Lightning Complex Fire engulfs a ridge line near Aetna Springs, California, US. August 23, 2020. (Adrees Latif / Reuters)

2020 Bay Area Fires

Fuels Mitigation Funding for Safe and Healthy Forests from Voter Approved Measures CC/FF

Existing, Voter-Approved Funding at Work

Wildfire Protection and Healthy Forests – *East Bay Hills*

- Removal of 500 acres of flammable and hazardous vegetation annually
- Maintaining safe and healthy forests

Point Pinole Regional Shoreline – *Richmond*
Dotson Family Marsh and Atlas Road Bridge Entrance

- New 1.5-mile Bay Trail segment
- Restoration of 60 acres of marsh and wetland habitat
- New entrance on Atlas Road with new bridge, parking lot, bathrooms, picnic tables, and information kiosk

Tilden Regional Park – *Berkeley*
Tilden Little Farm and Environmental Education Center

- Infrastructure updates, including sewer, drainage, roofs, and electrical service
- New ADA accessible bathrooms, picnic tables, and hand-washing stations at the Little Farm

McLaughlin Eastshore State Park – *Berkeley, Emeryville, and Albany*

- Extension of Bay Trail by 1 mile around Golden Gate Fields at Albany Beach
- Funding for police, fire, and maintenance services
- Restoration of grasslands at Berkeley Meadow, including native habitat for burrowing owl

Crab Cove Visitor Center – *Alameda*
Robert Crown Memorial State Beach

- Year-round open hours at Crab Cove Visitor Center
- Replacement of aging picnic tables and barbecues for safer, more enjoyable public use

Tidewater Boating Center – *Oakland*
Martin Luther King Jr. Regional Shoreline

- New 12,300-square-foot Tidewater Boating Center, including training area, boat storage, and ADA accessible dock
- New picnic tables, grass meadow, and trails at East Creek Point Staging Area
- Restoration of habitat for wildlife, including endangered species such as the clapper rail

Measure CC funds Measure FF is an extension of Measure CC, which was passed by voters in 2004.

East Bay Regional Park District
Healthy Parks Healthy People
2950 Peralta Oaks Court
Oakland, CA 94605-0381

Presorted Standard
U.S. Postage
PAID
Oakland, CA
Permit No. 22

Official Measure FF Ballot Question

Wildfire Protection, Safe Parks/Trails, Public Access, Natural Habitat. Without increasing tax rates, to protect against wildfires; enhance public safety; preserve water quality, shorelines, urban creeks; protect redwoods and parklands in a changing climate; and restore natural areas, shall East Bay Regional Park District be authorized to extend an existing parcel tax of $1 monthly ($12/year) per single-family parcel and 69¢ monthly ($8.28/year) for multi-family units, raising approximately $3.3 million annually, to expire in 20 years?

YES	NO

Election and Voting Information

Alameda County Registrar of Voters
www.acvote.org
(510) 272-6973

Contra Costa County Elections
www.cocovote.us
(925) 335-7800

This brochure is provided for informational purposes only.
The East Bay Regional Park District does not advocate a "yes" or "no" vote on Measure FF.

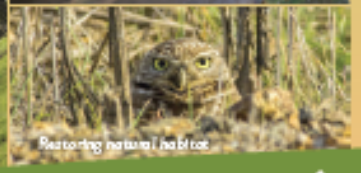
Information About Measure FF

NOVEMBER 6, 2018 BALLOT

Protecting against wildfires in the East Bay (Park District and CalFire helicopters)

Protecting redwoods and water quality

Improving public access and trail safety


Restoring natural habitat

Measure FF is a $12/year ($1/month) parcel tax extension measure.
It does not change or increase tax rates.

East Bay Regional Park District
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Fuels Management

East Bay Regional Park District

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Goat Grazing

East Bay Regional Park District

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Burn Piles

East Bay Regional Park District

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Before and After of a Typical Thinned Eucalyptus Stand

East Bay Regional Park District

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FEMA Checksheet for Project Worksheets

PROJECT WORKSHEET SEQUENCE SCHEDULE CHECKSHEET			
APPLICANT:	EAST BAY REGIONAL PARK SERVICES	DATE:	04/24/06
FIPS #	000-UH96N-00	PROJ. #	OPS-046

ITEM	DESCRIPTION	SHEET
1	TRANSMITTAL	
2	PROJECT WORKSHEET SEQUENCE SCHEDULE CHECKSHEET	1
3	EXIT INTERVIEW (INCLUDE WITH FINAL PW)	
4	PROJECT WORKSHEET	2
5	PW CONTINUATION SHEETS (IF NEEDED)	
6	PROJECT SUMMARY SHEET (OPTIONAL & OF YOUR OWN DESIGN)	
7	PW SITE CALCULATION SHEET (COMBINATION FORM)	
8	SPECIAL CONSIDERATIONS FORM (9 QUESTIONS)	3
9	SITE SHEET	
10	FORCE ACCOUNT COMPLETED SUMMARY SHEET	
11	FORCE ACCOUNT LABOR	
12	FORCE ACCOUNT EQUIPMENT	
13	FORCE ACCOUNT MATERIALS	
14	FORCE ACCOUNT RENTED EQUIPMENT	
15	FORCE ACCOUNT CONTRACTOR	
16	SKETCH (IF NEEDED)	4
17	INSURANCE DOCUMENTATION (IF REQUIRED)	
18	SITE MAP	5
19	FLOOD PLAIN LOCATION (FIRM) MAP	6
20	HAZARD MITIGATION PROPOSAL (GOLD)	7
21	PHOTOS	8 to 11
22	"DO NOT COPY"	
23	BACKUP DOCUMENTATION	
24	APPLICANT BENEFITS CALCULATION SHEET	

East Bay Regional Park District

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FEMA Project Worksheet

Federal Emergency Management Agency

Project Worksheet

Declaration No.	Project No.		FIPS No.	Date	Category
FEMA- 1628 DR- CA	OPS-046		000-UH96N-00	04/24/06	G

Damaged Facility:	Work Completed as of: Date:	Per Cent:
Wood Tunnel	4/24/2006	0%

Applicant:	County:
EAST BAY REGIONAL PARK SERVICES	CONTRA COSTA

Location:	Latitude:
BLACK DIAMOND MINES/ GREAT HOUSE PORTAL	37.95500

Damage Description & Dimensions: LAT/LONG WERE OBTAINED AT THE ENTRANCE OF THE TUNNEL DURING DECEMBER 31 ST 2005 RAIN STORMS, THE MUSEUM ENTRANCE TUNNEL AT THE GREAT HOU THE BLACK DIAMOND MINES STARTED TO CAVE IN. THE PARK SERVICE STAFF SHORED THE ENTRAN ADJUSTABLE METAL POSTS. THE SOIL ABOVE THE ENTRANCE TUNNEL WAS SATURATED; A LAYER O DIRECTLY UNDERNEATH THE TOP SOIL. BOTH LAYERS GOT HEAVY DUE TO SATURATION, THE TUNN CAVE IN. THE WOOD TIMBER STES STARTED TO GIVE IN (75 PSC). THE APPLICANT SPREAD PLASTIC T SOIL TO PREVENT FURTHER SATURATION.THE COMPROMISED PORTION OF THE TUNNEL IS 100 LF.
DAMAGED ITEM:
1. (75 EACH) TIMBER SETS. THE TIMBER SETS ARE 2 VERTICAL MEMBERS (ABOUT THE HIGHT OF THE SUPORTING A HORIZONTAL MEMBER (ABOUT THE WIDTH OF THE TUNNEL). TIMBERSETS ARE 8 FT HI INCH, THE HORIZONTAL MEMBER IS 7 FT LONG 12 INCH X12 INCH .THE TIMBER SETS ARE SPACED IRR THERE ARE 75 TIMBER SETS. THE CURRENT UNDERGROUND DESIGN PRACTICE DOES NOT ALLOW TIM IN PERMINANT TUNNEL SUPPORTS. THE NEW METHOD OF SUPORTING TUNNELS IS TO USE SHOT CRE SETS USED IN CONJUNCTION WITH SELF-DRILLING SPILES 12 FT LONG.

Scope of Work:
THE WORK WILL COMPLETED BY A CONTRACTOR. THE APPLICANT 'S CONSULTANT (JACOBS ASSOCIATES) PROVIDED AN ESTIMATE TO COMPLETE THE WORK. THE DAMAGED AREA OF THE PORTAL WHICH INCLUDES THE FRONT OF THE PORTAL AND 100 FT LONG TUNNEL SUPPORT.THE CURRENT UNDERGROUND DESIGN PRACTICE DOES NOT ALLOW TIMBER TO BE USED IN PERMINANT TUNNEL SUPPORTS. THE NEW METHOD OF SUPORTING TUNNELS IS TO USE SHOT CRETE AND STEEL SETS USED IN CONJUNCTION WITH SELF-DRILLING SPILES 12 FT LONG. THE WORK SHALL INCLUDE THE FOLLOWING:
1. MOBILIZATION.
2. PORTION OF THE RETAINING WALL (12 FT WIDE AT THE PORTAL)
3. MINING RE-SUPPORT (PORTAL TO 100 FT ONLY, WHERE THE FAILED SHALE LAYER EXTENDS).

SEE ATTACHED APPLICANT'S CONSULTANT ESTIMATE.

(SEE CONTINUATION SHEET)

Does the Scope of Work change the pre-disaster conditions at the site?	☐ YES	☑ NO
Special Considerations issues included?	☑ YES	☐ NO
Is there insurance coverage on this facility?	☐ YES	☑ NO
Hazard Mitigation proposal included?	☐ YES	☑ NO

Project Costs

Item	Code	Narrative	Quant.	Unit	Unit Price	Cost
		WORK TO BE COMPLETED				$0.00
1	9999	RETAINING WALL AT THE PORTAL	12	FT	$725.45	$8,705.40
2	9999	MINING RE- SUPPORT	100	LF	$1,517.42	$151,742.00
3	9999	MOBILIZATION (10%)	0.1	%	$160,447.40	$16,044.74
4		CURVE B ENGINEERING	0.11	%	$176,492.14	$19,414.14
					Total Cost	$195,906

PREPARED BY: Emad Alkhasawneh	TITLE: Project Officer
APPLICANT:	DATE: 4/24/2006

East Bay Regional Park District
Healthy Parks Healthy People

Cal OES Subapplication

HAZARD MITIGATION GRANT PROGRAM
PROJECT SUBAPPLICATION

DISASTER NUMBER:	4407
JURISDICTION NAME:	East Bay Reional Park District
PROJECT TITLE:	Tilden and Claremont Canyon Fuels Management Project
PROJECT NUMBER:	0404

PROJECT NUMBER IS THE CONTROL NUMBER RECEIVED AT TIME OF SUCCESSSFUL NOI SUBMITTAL

Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

ELIGIBILITY CHECKLIST

Before completing the subapplication, review the following HMGP eligibility checklist to ensure project meets the requirements for HMGP funding.

☒ **Construction/Ground Breaking:** No construction or ground breaking activities are allowed prior to FEMA approval. HMGP does not fund projects that are in progress or projects that have already been completed.

☒ **Approved Notice of Interest:** Subapplicant must have an approved Notice of Interest (NOI) to submit a subapplication for HMGP funding. Only activities approved through the NOI process can be submitted for HMGP funding consideration.

☒ **Scope of Work:** The project scope of work (SOW) must be consistent with the SOW provided in the approved Notice of Interest (NOI).

☒ **Benefit Cost Analysis:** Benefit Cost Analysis (BCA) Toolkit Vers
the BCA. FEMA will only consider subapplications that use a FI
Documentation to support BCA must be included in subapplic
ratio (BCR) of less than 1.0 will not be considered. BCA will
upon subapplication submittal. 5% Initiative Projects do not

☒ **Subapplicant Eligibility:** Subapplicant must be an eligible Stat
County, Special Districts), Federally Recognized Tribe or Priva
PNP is defined as private nonprofit educational, utility, emer
facility, facilities providing essential governmental services
facilities on Indian reservations (see 44 CFR Sections 206.221

☒ **LHMP/MJHMP:** Subapplicant must have a FEMA approv
Jurisdictional Hazard Mitigation Plan (LHMP or MJHMP) to b
jurisdiction has its own governing body, jurisdiction must
LHMP's/MJHMP's expire five years after FEMA approval.
expiration date may cause project deobligation.

☒ **Cost Share:** Local funding match of 25% of the total project co
HMGP matching funds must be from a non-federal source.
funding match.

☒ **Period of Performance:** Projects must be completed (includi
Period of Performance (POP). POP begins upon FEMA approv

HAZARD MITIGATION GRANT PROGRAM
ELIGIBILITY CHECKLIST
(continued)

☒ **Complete Subapplication:** Failure to include all required documentation will delay the processing of your subapplication and may result in denial of project. The SOW, cost estimate, cost estimate narrative, work schedule and BCA must accurately mirror each other to be considered for funding. The budget narrative must include a detailed description of every cost estimate line-item, including the methodology used to estimate each cost.

☒ **Regulations:** Subapplications that are inconsistent with state and federal HMGP regulations, or do not meet eligibility criteria will not be considered.

☒ **Duplication of Programs:** HMGP funding cannot be used as a substitute or replacement to fund activities or programs that are available under other federal authorities, known as Duplication of Programs (DOP).

☒ **Time Extensions:** Unless a time extension has been approved before the deadline, subapplications must be postmarked by the applicable deadline to be considered for funding.

☒ **CEQA Requirement:** The subapplicant is responsible for complying with the regulations set forth in the California Environmental Quality Act (CEQA) (California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000–15387). Environmental data is required for project. Environmental review is typically the most time consuming aspect of project funding approval.

STOP **SUBAPPLICANT MUST BE ABLE TO CHECK EVERY BOX TO QUALIFY FOR HMGP FUNDING.**

East Bay
Regional Park District
Healthy Parks Healthy People

Notice of Intent

Pre-Disaster and Flood Mitigation Assistance
NOTICE OF INTEREST (NOI)
Control No:
All fields must be completed with valid input
Click on Links for Help

1. Grant Program: ◉PDM ○FMA
2. This NOI is for a (select one): ◉Project ○Planning
3. Eligible Sub-applicant Type: ☐City ☐County ☐State ☑Special District
4. Hazard Type: Fire
5. Mitigation Activity Type: Vegetation Management
6. Does this activity incorporate climate resilient mitigation activities? ◉No ○Yes
7. Activity Costs:
   Federal Requested Share: $ 3,215,071
   Applicant Cost Share: $ 1,071,690
   Total Activity Cost: $ 4,286,761
8. Have you completed a Benefit Cost Analysis (BCA) using the most current FEMA BCA Toolkit version? ○No ◉Yes ○N/A
   Benefit: $ 26,297,696 Cost: $ 5,198,619 Ratio: 5.06
9. Have the Cost Sharing Funds been secured? ◉No ○Yes
10. Activity Title/Name: Tilden and Claremont Canyon Fuels Management Project
11. Population: 122,324
12. Activity Location:
    The fuels management projects are in two locations in the East Bay Hills: Claremont Canyon Regional Preserve (130.38 acres) and Tilden Regional Park (194.19 acres). These locations are located along the wildland urban interface with the Cities of Berkeley and Oakland. The latitude and longitude listed is that of Claremont Canyon. None of the areas recommended for treatment in this project are currently funded by other FEMA grants.
    Latitude & Longitude: 37.8946689 -122.249117 e.g. 34.324862 -120.345677
13. Describe the problem to be mitigated: *Include past occurrence and how often they occur.

Pre-Disaster and Flood Mitigation Assistance
NOTICE OF INTEREST (NOI)
Control No:
All fields must be completed with valid input
Click on Links for Help

1. Grant Program: ◉PDM ○FMA
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13. Describe the problem to be mitigated: *Include past occurrence and how often they occur.

EMail Address: lbaldinger@ebparks.org

28. Project Manager/Working Contact (Alternate):
First Name: Jeff Last Name: Rassmussen Salutation:
Title: Assistant Finance Officer
Address: 2950 Peralta Oaks Court
City: Oakland State: California Zip Code:
Phone: 510 - 544 - 2130 Ext:
Fax #: 510 - 569 - 1417
EMail Address: jrassmussen@ebparks.org

29. CA Public Records Act
LJB *I believe there is information in the application that is exempt from the Public Re Act and have attached a document to support it.*
(Initials)

Electronic Notification of NOI Status, and Application Updates
The Pre-Disaster and Flood Mitigation Division will provide immediate notification of your NOI status following our review. Please provide us with the contact information for one of your staff. (If the contact is the same as entered above, please re-enter the information below. This person will receive information and updates regarding the application process.)

Contact Person:
Name: (Last, First) Baldinger, Lisa
Email Address: lbaldinger@ebparks.org

Created on 09/16/2019 09:16:47 AM

NOTE: Please print this form before clicking the *Submit NOI* button below.
You will not be able to print the NOI once submitted.

Submit NOI

FYI: Pressing the Submit NOI button will submit your NOI to the Governor's Office of Emergency Services for approval. Please ensure that you have filled out this form with as much detail as possible.

East Bay Regional Park District
Healthy Parks Healthy People

EBRPD FEMA Grants History Since 1982

FIRE	AMOUNT
Mitigation	$8,303,878
Preparation	$95,572
Recovery	$2,467,282
Total	$10,866,732
STORMS	
Recovery	$18,786,451
Total	$18,786,451
Grant Total	$29,653,183

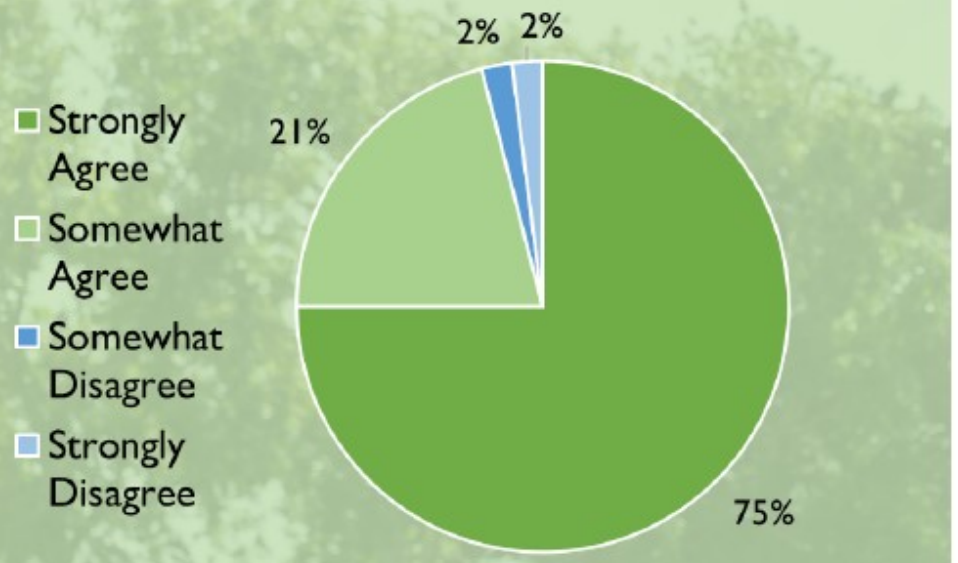
East Bay Regional Park District
Healthy Parks Healthy People

Lessons Learned

- Meet with Federal legislative offices
- Meet with Regional FEMA staff, including site visits.
- Do all the paperwork accurately and don't miss deadlines.
- Make sure to adhere to ALL state and Federal Environmental Regulations to address all project impacts, including wildlife and other impacts.
- Address any legal or public opposition early.
- Do not begin project work before all approvals.
- Recognize you may have a long time before you get reimbursed.
- Memories are short, but the FEMA approval process is long.
- People forget the fires and the storms, and they tend to move around; opinions and community support can change.
- Advocacy essential to successful projects.

East Bay Regional Park District
Healthy Parks Healthy People

Importance of Parks for the Community



Now more than ever, parks and trails must remain open and accessible so people have the opportunity to be outside and get **physical exercise** in a safe, socially distant manner.

96% Agree

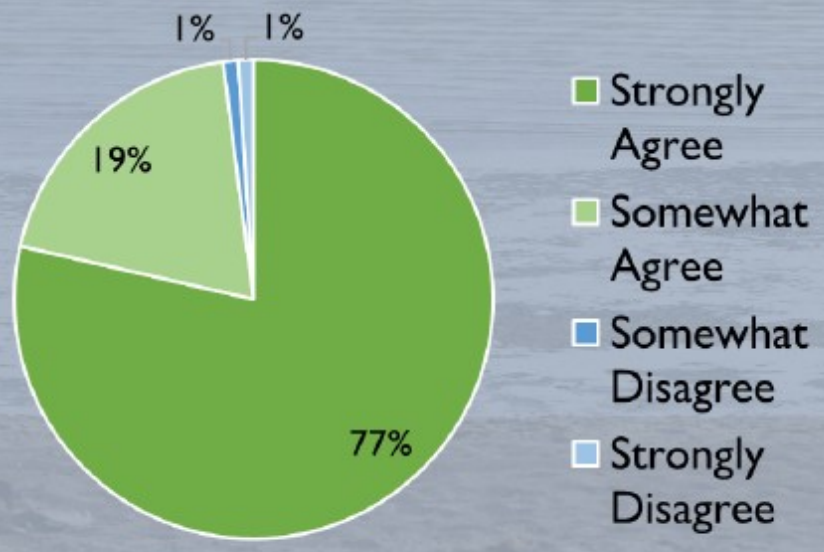
East Bay Regional Park District

Healthy Parks Healthy People

Importance of Parks for the Community

In a time when most people are in their homes the majority of the day, the accessibility of parks and trails plays an important role in maintaining the **mental health** of our community.

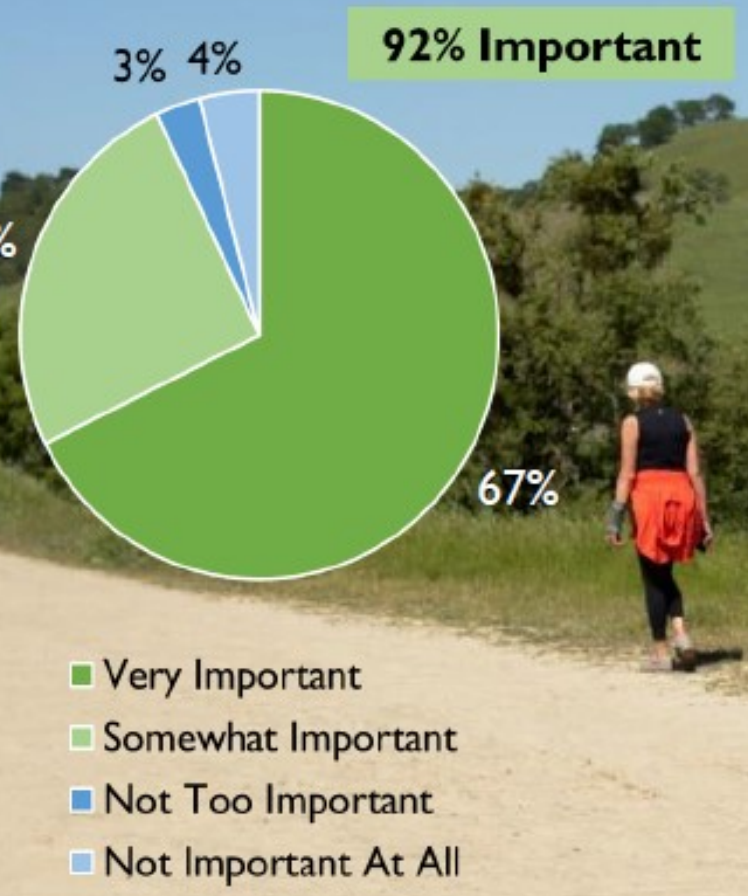
96% Agree



East Bay Regional Park District
Healthy Parks Healthy People

Importance of Parks for the Community

How important is it to you to have the regional parks and trails open during the Coronavirus pandemic?



East Bay Regional Park District

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Mitigating Financial Impacts of Climate Change Related Disasters

How to Navigate FEMA

Presented by East Bay Regional Park District General Manager Robert Doyle – November 10, 2020

East Bay Regional Park District

Healthy Parks Healthy People

CITY OF LAS CRUCES FINANCE AND PARK PROJECTS

LAS CRUCES NEW MEXICO

Chihuahuan Desert

rain/year <10”

<4% tree shade canopy

elevation: 3700’

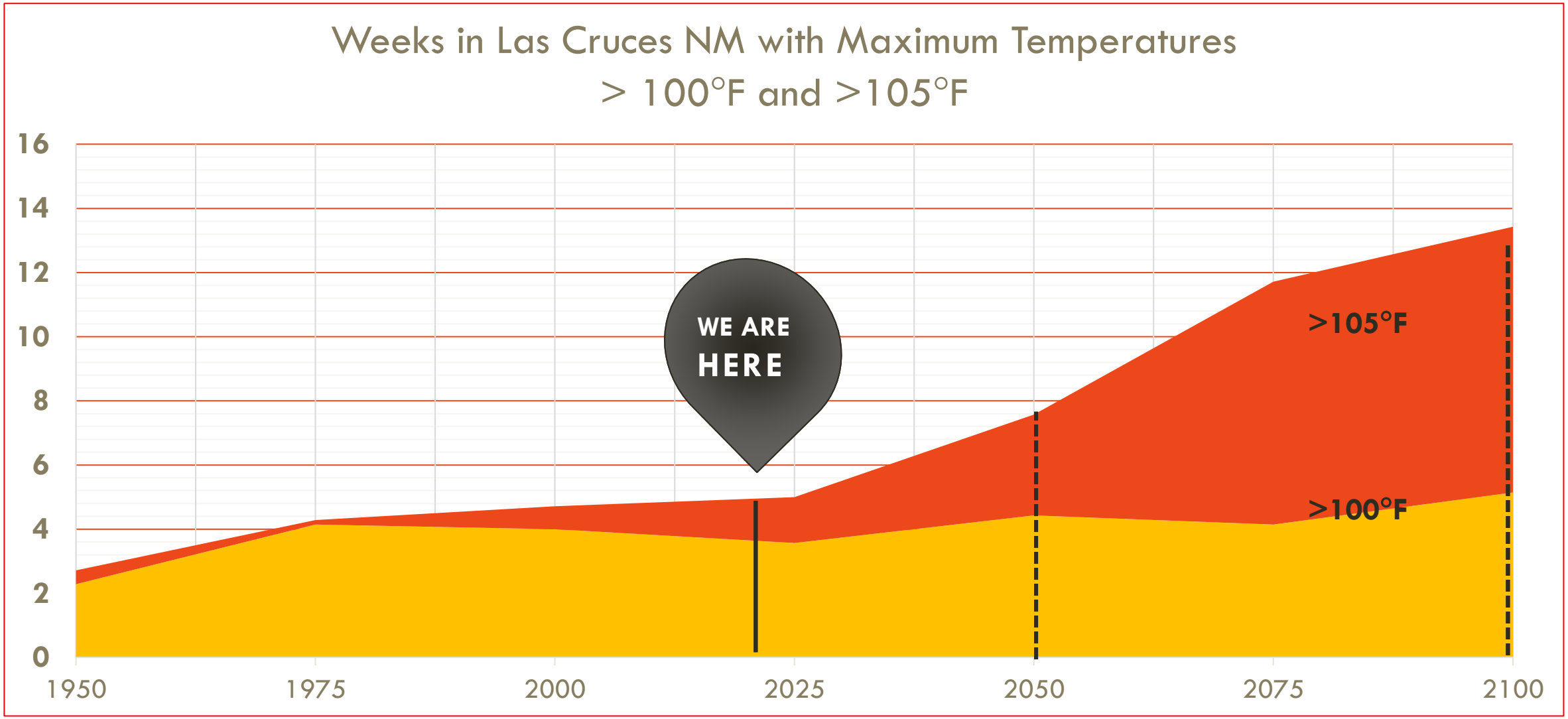
Population: 101,000

Demographics:
59% Hispanic, 34% Anglo

Median income: $40,658 /yr

SHOCKS AND STRESSORS

CONFERENCES
+ACADEMIC/NGO
PARTNERSHIPS


Weeks in Las Cruces NM with Maximum Temperatures
> 100°F and >105°F
16
14
12
10
8
6
4
2
0
1950
1975
2000
2025
2050
2075
2100
WE ARE HERE
>105°F
>100°F

HIGHER TEMPS INCREASE EVAPORATION

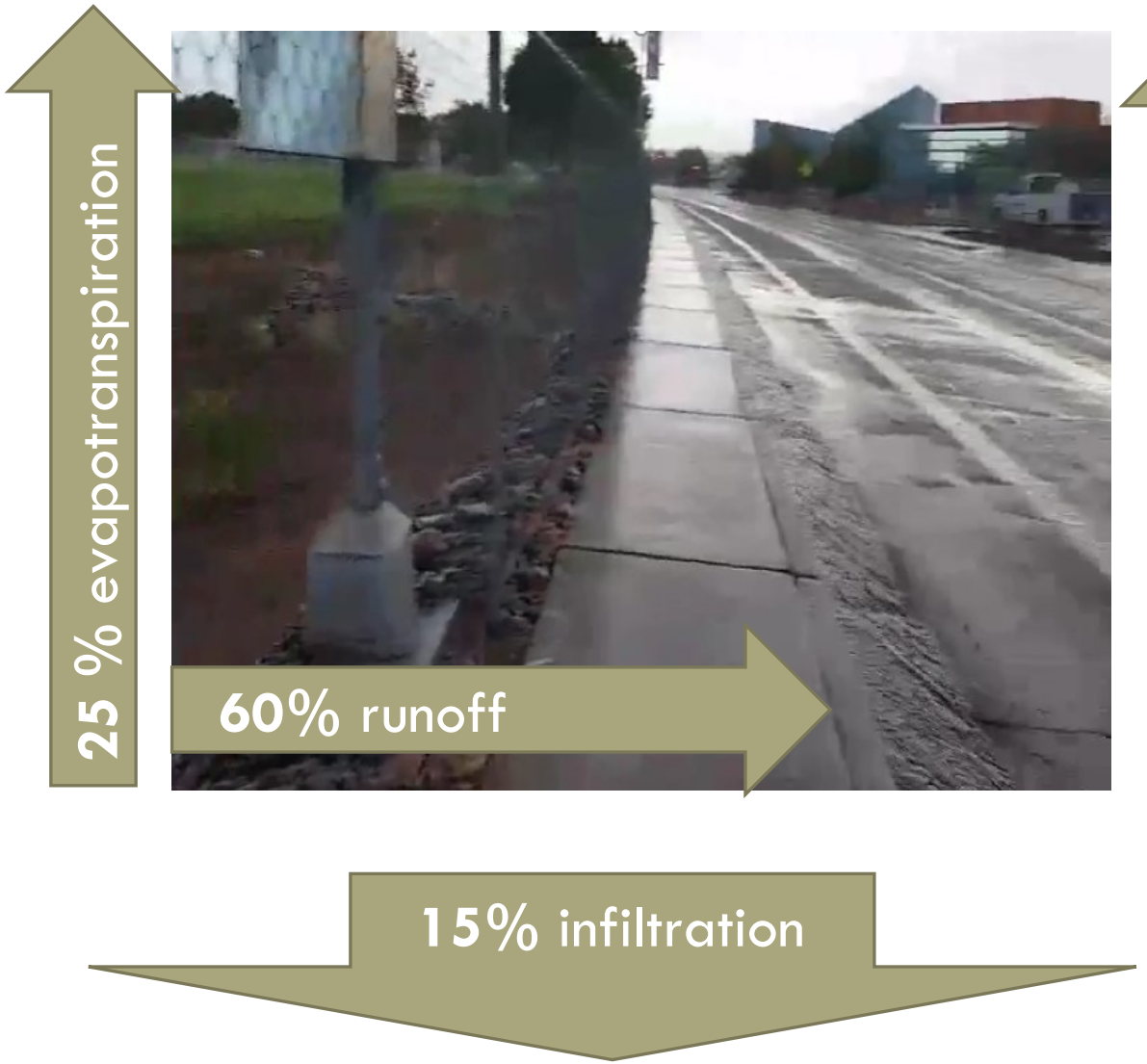
Increase of 1°C temperature decrease water flows by 10%.

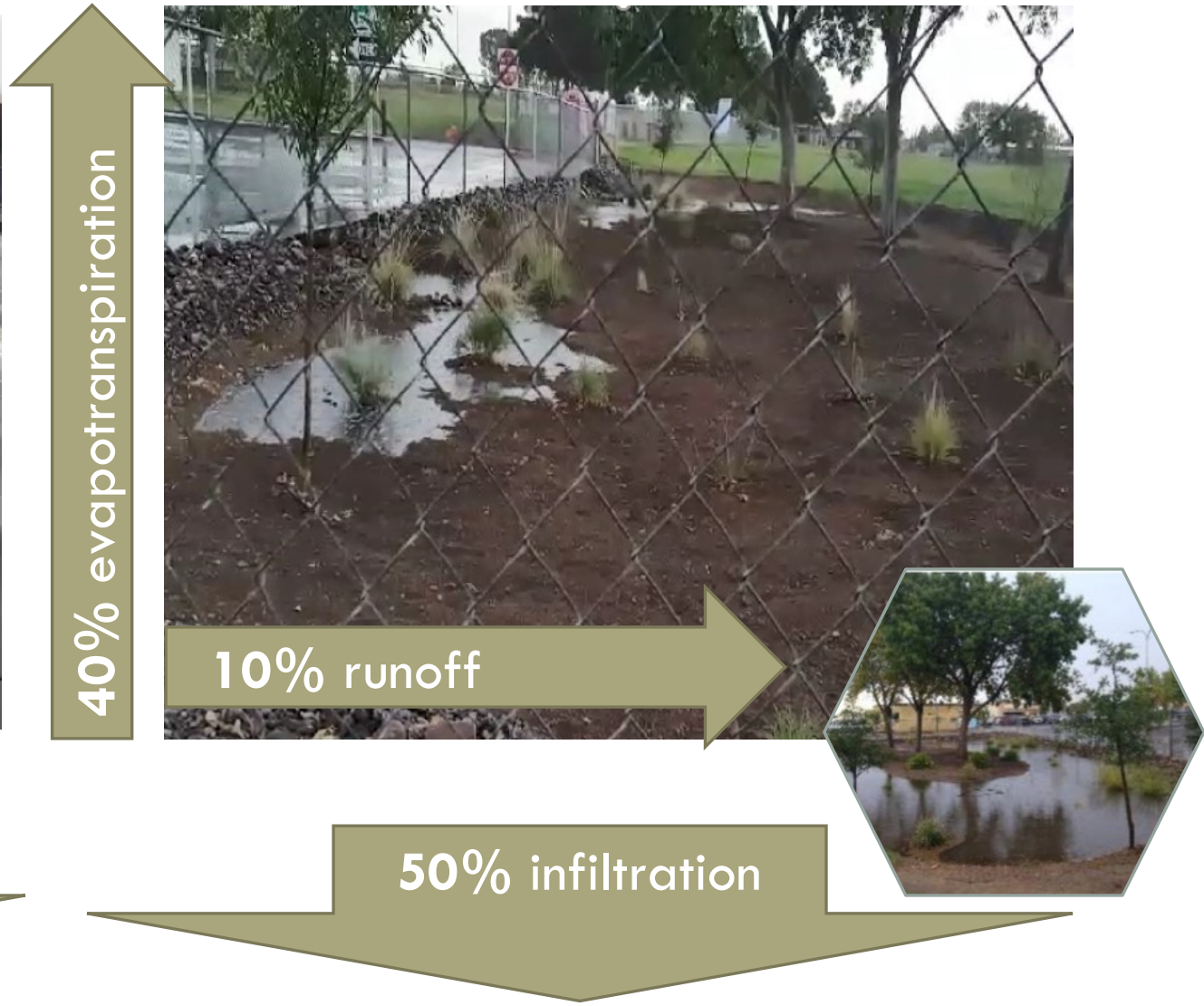
By 2100 temperatures may increase by 5°C (or 9°F).

This means we could lose 50% of water flow by the end of the century

Elephant Butte Reservoir, 2020
4.2% capacity

FLOODING, EVAPORATION, RUNOFF, AND INFILTRATION

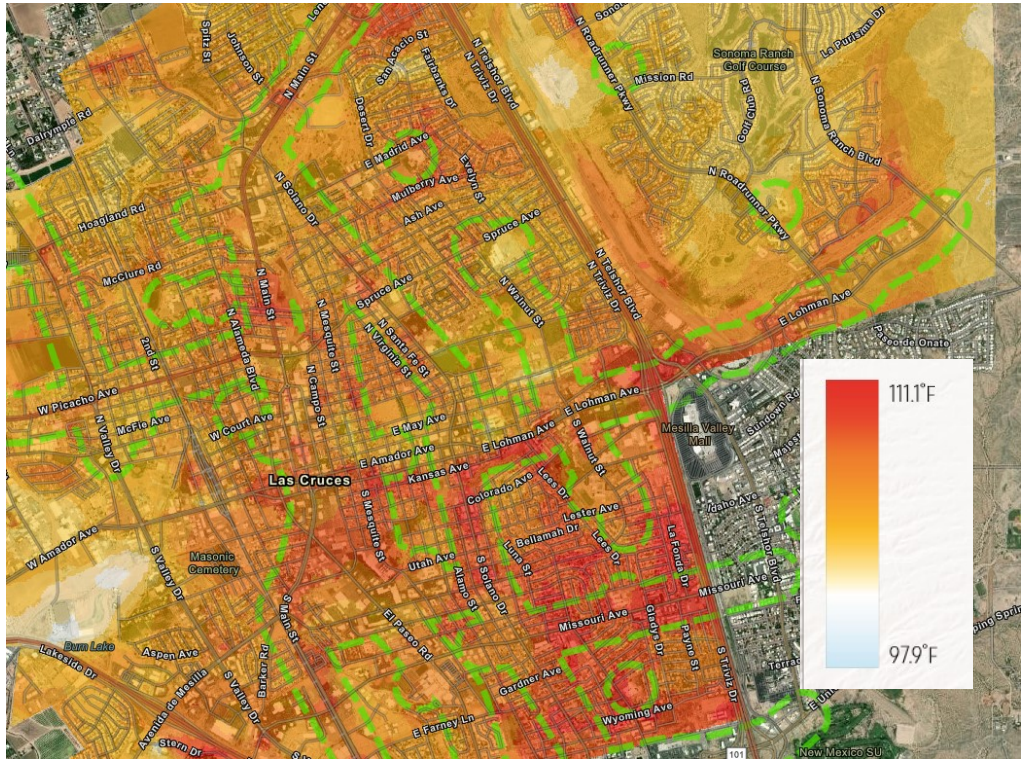




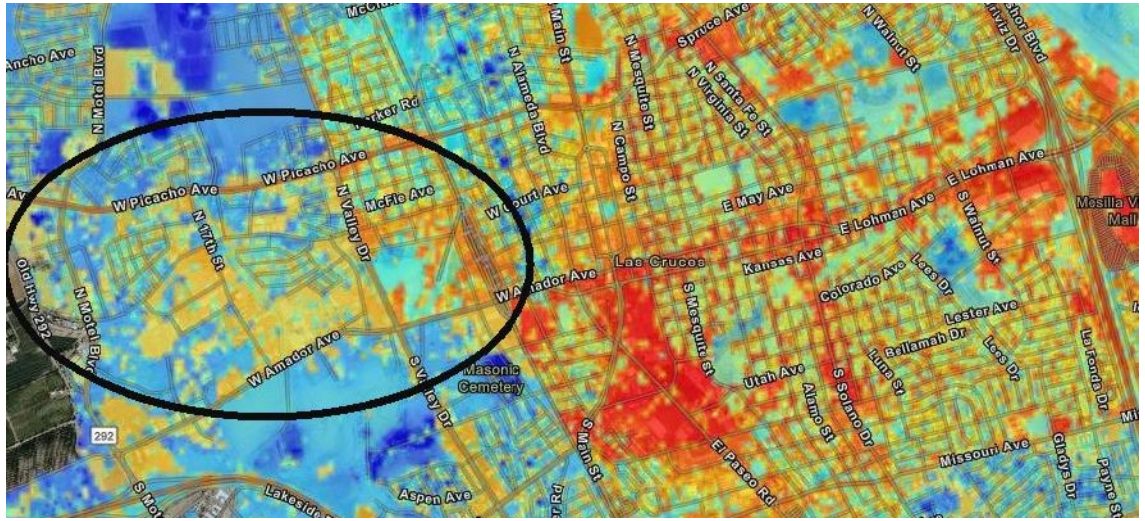
GIS LEARNING

WITH FEDERAL AGENCY SUPPORT

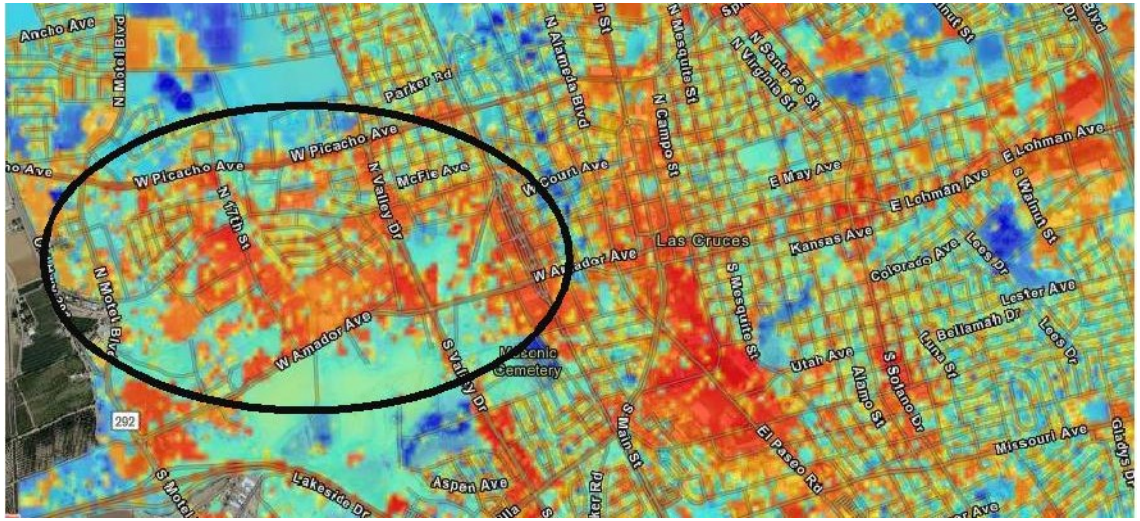
Prioritizing Planning for Active Transportation



Identifying areas with Seniors and Children under 5 years



Identifying areas with Health Indicators



42% pre-1970 housing stock in urban core

HEALTH, HOUSING & SOCIAL COHESION

FUNDING FROM CDBG, CITY, AND PARTNERS FOR PLACES

HEALTH AND HEAT NEIGHBORHOOD SURVEY

Neighbors that you could call for help:

39% none

40% 1-2 neighbors

77% bothered by extreme heat

43% house isn't cool

38% work outside

33% seniors

33% rent

COOL CORRIDOR

Green Infrastructure + Shade

CHICANE or bump out is a basing harvesting street runoff in a right-of-way.

PLANNING

Multi-department effort

Neighborhood input

Multiple benefits

DESIGN

Maximize stormwater harvesting

Maximize number of trees for shade

Avoid known utilities

MULTIPLE BENEFITS

Neighborhood resilience

Increase shade and tree canopy

Reduce UHI Effect

PATHS TO FUNDING

USDN
urban sustainability directors network

CLIMATE NGOS, ACADEMICS

- CLIMATE MODELING
- $15K for rain cistern and report

USDN
provided conference travel grant

NIHHIS MTG

- NASA UHI Development Program
- ~$80K Inkind

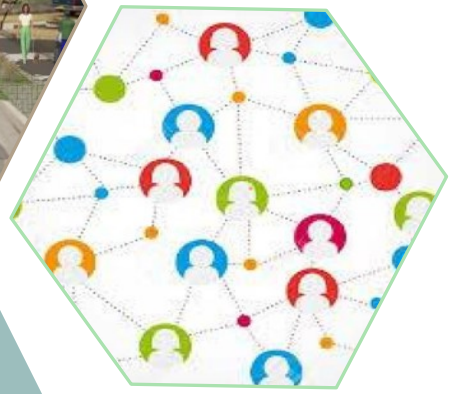
Community Development Block Grant

$200K

City Match from Stormwater budget

Partners for Places

-social cohesion project



OFFER:

design standards for urban commercial corridor

OUTCOMES

Travel to a Conference

Climate Modeling

Rainwater Harvesting Cistern

Urban Core Green Infrastructure Plan

UHI and Vulnerability Study

UHI and Active Transportation Plan

Neighborhood Project Building Social Cohesion

Urban Core one-mile Cool Corridor

Invitation for new partnership projects

Track record for more grants

ACADEMICS/ NGOS ALSO WRITE GRANTS

COLLECT THE DATA THE SUPPORTS YOUR STORY

TUCK AWAY GREAT IDEAS

WATCH FOR FUNDING

ADDRESS SEVERAL CONCERNS TOGETHER

LESSONS LEARNED

THANK YOU!

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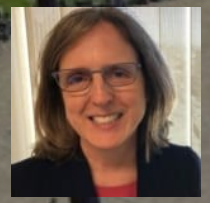
CITY PARKS ALLIANCE

BECOME A MEMBER:
cityparksalliance.org/join

November 10, 2020 | 1:00-2:00 pm ET

USING CLIMATE MITIGATION AND DISASTER RELIEF FUNDS TO BUILD RESILIENT COMMUNITIES

MODERATOR



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