



Nov. 7, 2023

Regional Flood Control District

Steven C. Parrish, PE
General Manager



About the District

- NRS Revised in 1985 to allow for the creation of a Flood Control District
- District created in 1986 by vote of BCC
- Funded by $\frac{1}{4}$ of 1% sales tax
- Planning and Funding Agency



Flamingo Wash at Spencer



Pittman North Detention Basin

What is Flood Control?

Regional Flood Control District Mission:

To improve the protection of life and property for existing residents, future residents, and visitors from the impacts of flooding while also protecting the environment.

Keep FLOODS away
from people

Drainage Infrastructure

- Planning
- Funding
- Design
- Construction
- Maintenance
- Operations
- Asset Management

Keep PEOPLE away
from floods

Communication

- Education
- Outreach
- Warning
- Collaboration

Board of Directors



Com. Justin Jones (Chair)
Clark County



Councilman Isaac Barron (VC)
North Las Vegas



Mayor Carolyn Goodman
Las Vegas



Commissioner Tick Segerblom
Clark County



Councilman Dan Shaw
Henderson



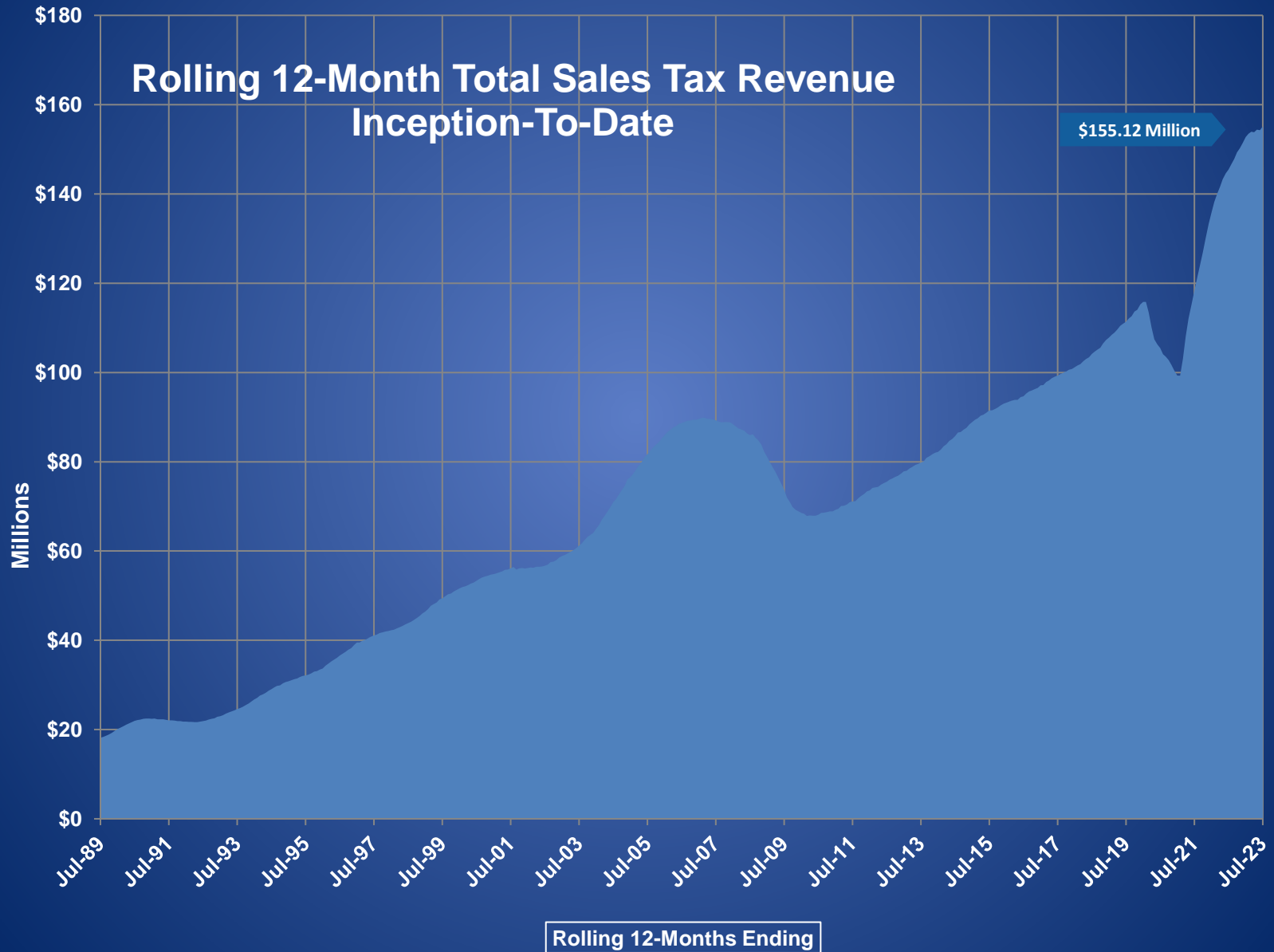
Councilman Paul Wanlass
Mesquite



Mayor Joe Hardy
Boulder City



MPT Brian Knudsen
Las Vegas





Completed To Date

**684 miles of channels
and storm drains**





Completed To Date

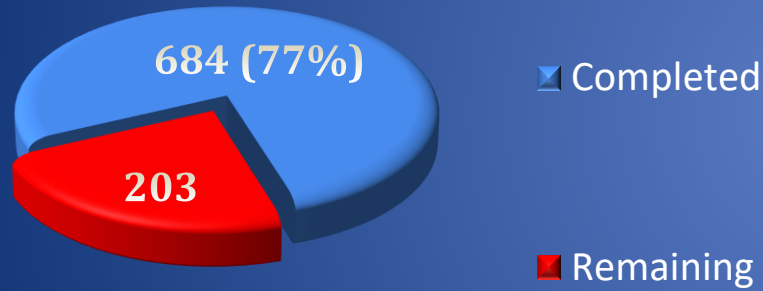
106 detention/debris basins



\$2.5 billion in contracts
since inception

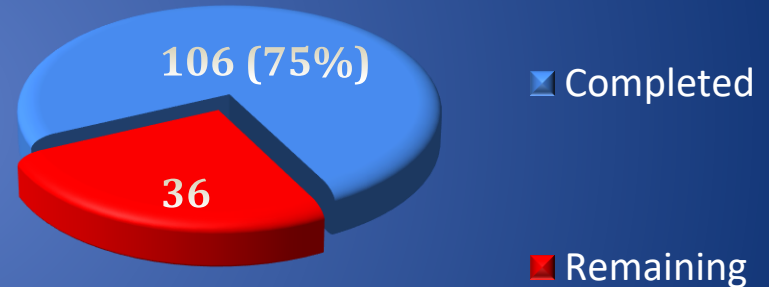
Master Plan Progress Summary

Conveyance Facilities (miles)



887 total miles on Master Plan

Debris/Detention Basins



142 total basins on Master Plan

Approximately 75% complete with implementation of the flood control facilities shown on Master Plan



Under Construction

Projects Under Construction

8 active projects

Bid amount: **\$184 million***



Alexander – Simmons to Decatur



Charleston Blvd – Boulder Highway To Maryland

Funded Projects

5 projects funded

Estimated Cost: **\$69 million***

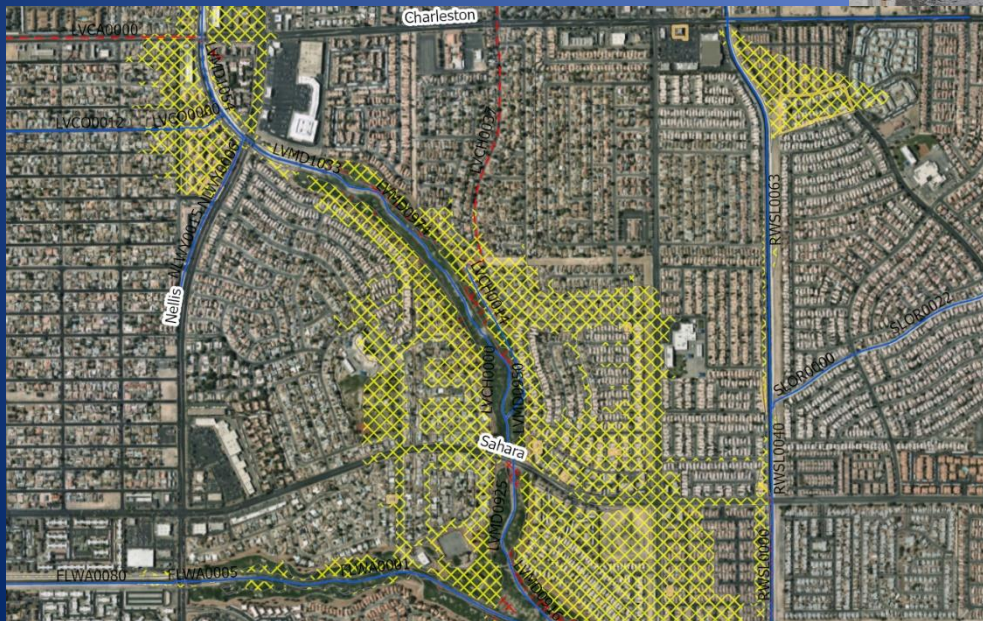
*Total includes non-RFCD funding



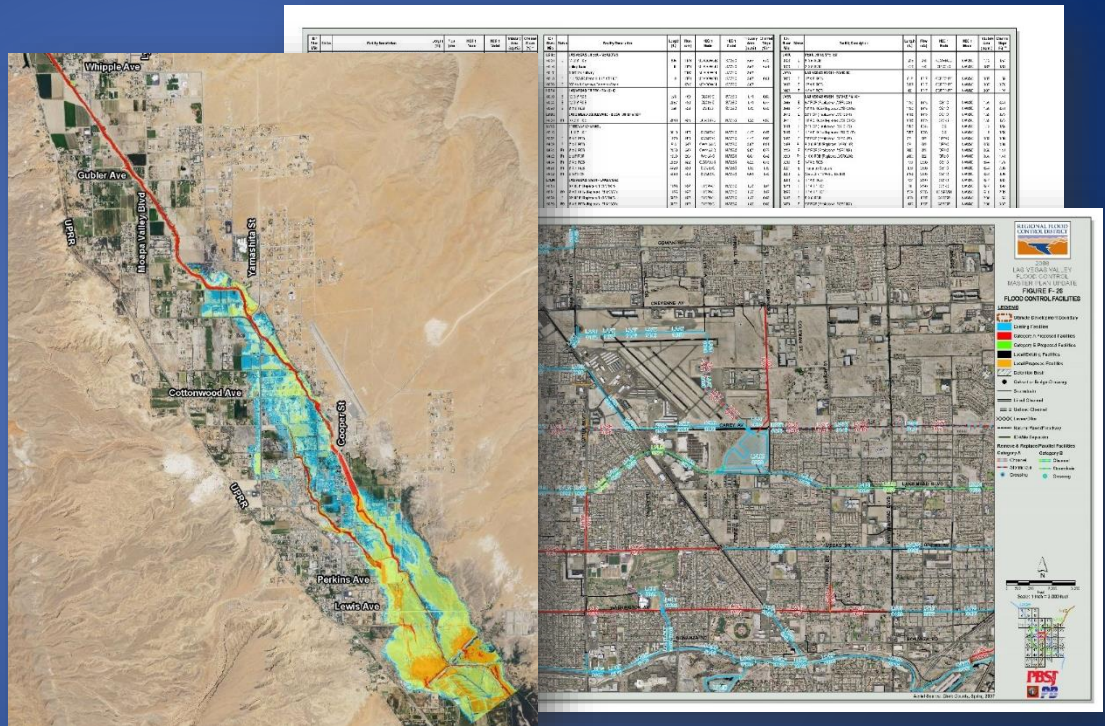
Special Flood Hazard Areas

64 square miles removed
countywide

Approximately 45,000 parcels



- 2019 Outlying Areas (including Laughlin)
- 2020 Moapa Valley
- 2022 Town of Bunkerville
- 2022 City of Mesquite
- 2022 Boulder City
- 2023 Las Vegas Valley (update in progress)

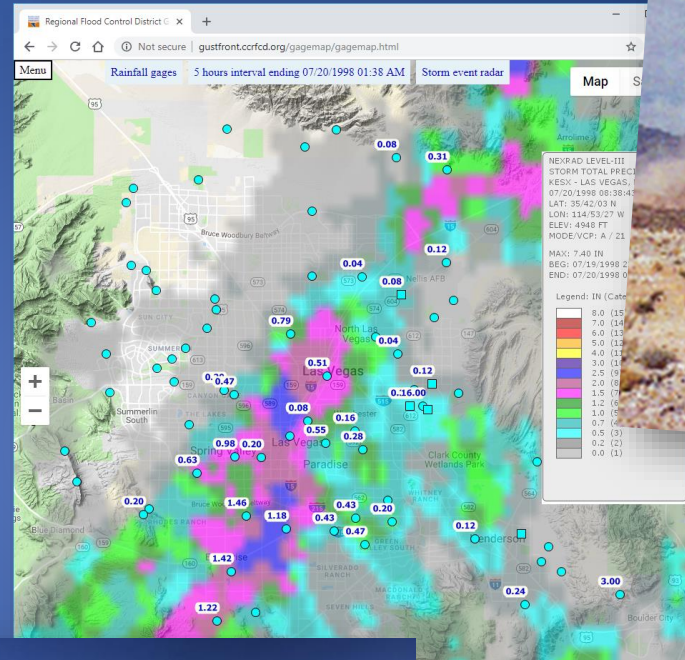


- Public Awareness Campaign / TV
- Social Media
- Print Ads & Billboards
- Radio
- Media Correspondence
- Annual News Conference
- Student Outreach Program



Flood Threat Recognition System

- Network of 219 gauges
- See real-time data during storms
- Share information online
 - Entities
 - NWS
 - USGS
 - Local Media
 - Public





Protecting the Environment

Clean Water Act Compliance

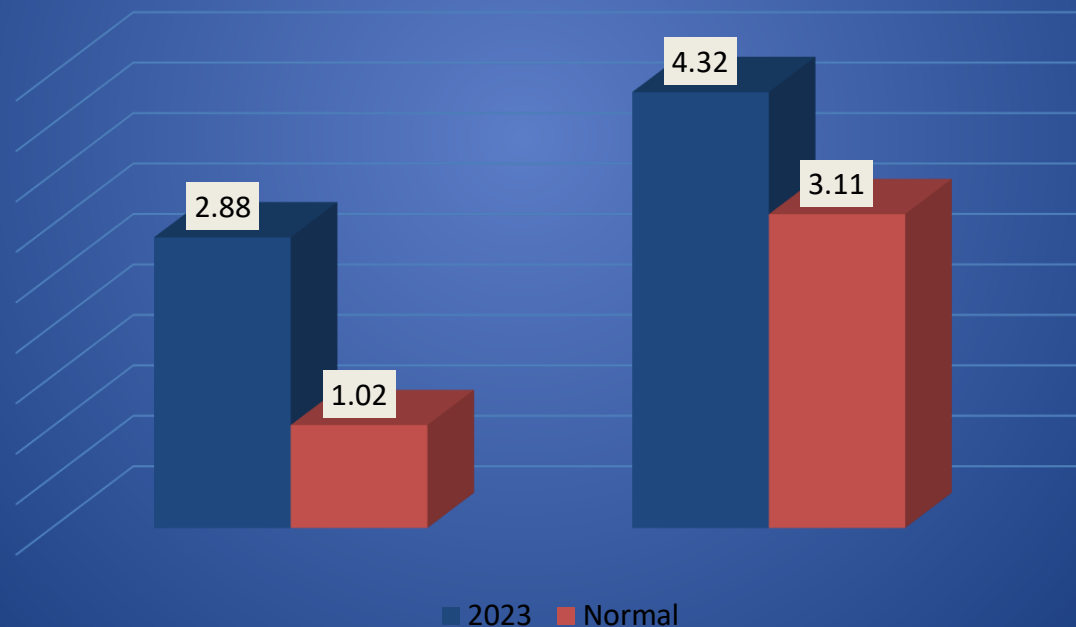
- Programmatic EIS
- MS4 Monitoring and Compliance
- 404 Permitting
 - Waters of the US
 - Establish mitigation bank



2023 Monsoon Season Rainfall

- Multiple storm events occurred throughout July, August, Sept.
- Total cumulative “official” rainfall depth for the season: 2.88”

2023 Monsoon Season Rainfall vs. Normal Year





Mt. Charleston

Issues:

Significant damage on Mt. Charleston

- Loss of power/water
- Per CC OEM
 - 1 structure destroyed
 - 2 structures major damage
 - 12 structures minor damage
- Multiple road segments washed out



September 2023 Storm Update

Major Issues:

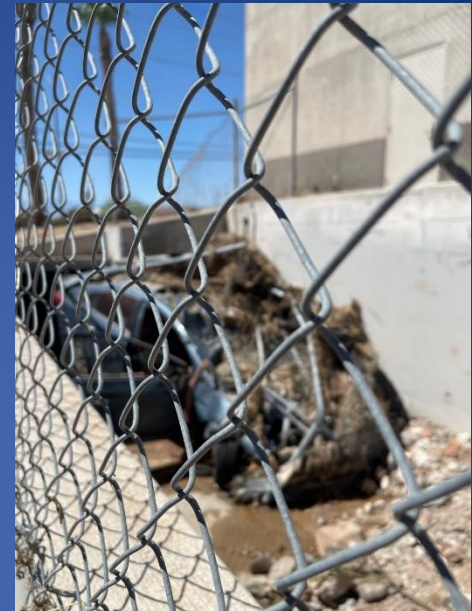
One confirmed death related to flooding

Two deaths (cause pending) of suspected unhoused

Damage to structures

- Lake Mead Blvd/Mt Hood
- Area west of Frenchman/Sunrise Mtn
- Tropicana/Boulder Highway (Andover)
- Carson/Spencer (Downtown LV)

I-15 southbound closed near Primm



September 2023 Storm Update

RFCD facilities in place performed well and as designed. Detention basins collected large amounts of runoff and channels and storm drains conveyed runoff safely through the urban areas.



Tropicana Detention Basin, South Bay – September 2, 2023



Rainbow Gardens Weir on Las Vegas Wash – Sept. 1, 2023

The FTRS system sends a notification to RFCD staff when an alarm is triggered due to rising rainfall or water levels. Over the weekend, staff received **642** alarms



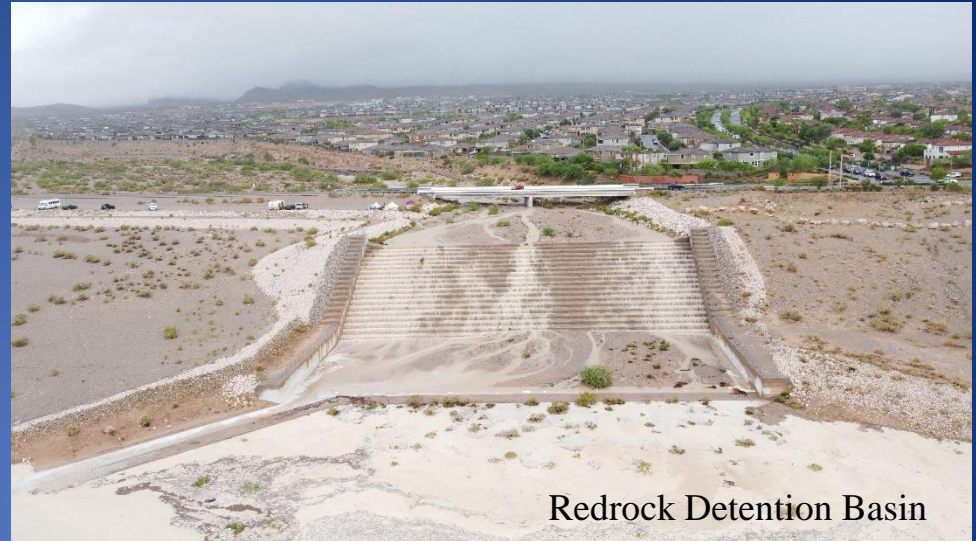
Summary

Substantial Progress

Clark County is more resilient to flooding

75% complete with Master Plan implementation

More work to do...



Redrock Detention Basin



Blue Diamond Detention Basin

Thanks to

- **Elected Officials**
- **Public Works Directors/Staff**
- **Local and Federal Partners**



Questions?