

# Notice and Agenda of a Meeting of the Yucaipa Sustainable Groundwater Management Agency

## Workshop

Wednesday, August 11, 2021 at 10:30 a.m.  
(909) 797-2489 | [www.yucaipasgma.org](http://www.yucaipasgma.org)

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Due to the spread of COVID-19 and in accordance with the Governor's Executive Order N-29-20, this meeting will be conducted by teleconference only. There will be no location available to attend this meeting in person.

**This meeting is available by calling  
(888) 788-0099 using Meeting ID 895-6292-0203#**

**View the meeting online at**  
<https://sbvmwd.zoom.us/j/89562920203>

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- I. Call to Order**
  - II. Roll Call**
  - III. Public Comments** At this time, members of the public may address the representatives of the Yucaipa Groundwater Sustainability Agency on matters within its jurisdiction.
  - IV. Correspondence**
    - A. None
  - V. Review and Approval of Minutes**
    - A. July 21, 2021 - Workshop
  - VI. Discussion Items**
    - A. Status Update Regarding Draft Chapters 1-5 of the Groundwater Sustainability Plan
    - B. Status Update on the Activities Related to the Preparation of the Groundwater Sustainability Plan
      - 1. Discussion Regarding the Proposed Groundwater Sustainability Plan Implementation and Fee Structure
      - 2. Discussion Regarding the Proposed Pumping Credits for the North Bench, Western-Heights, Calimesa, and San Timoteo Management Areas
      - 3. Discussion Regarding the Supplemental SWP Recharge Accounting
    - C. Status Update on the USGS Numerical Model Report
    - D. Status Update on the Data Management System Development
  - VII. Topics for Future Meetings**
    - Discussion regarding potential projects to be included in the groundwater model and the Groundwater Sustainability Plan

- Overview of Draft Chapter 1, Draft Chapter 2, Draft Chapter 3, Draft Chapter 4, and Draft Chapter 5
- Development of San Gorgonio Pass Water Agency replenishment fees.

**VIII. Comments by Board of Directors**

**IX. Announcements - Future Meetings**

- A. Wednesday, August 25, 2021 at 10:00 am - Workshop
- B. Wednesday, September 22, 2021 at 10:00 am - Workshop
- C. Wednesday, October 27, 2021 at 10:00 am - **Board Meeting**
- D. Wednesday, January 26, 2022 at 10:00 am - **Board Meeting**

**X. Adjournment**

## Roll Call - Board of Directors

	Present	Primary Representative	Present	Alternative Representative
<b>Purveyors</b>				
South Mesa Water Company		David Armstrong		George Jorritsma
South Mountain Water Company		Bob Martin		Rolland Moore
Western Heights Water Company		Mark Iverson		Tim Green
Yucaipa Valley Water District		Joseph Zoba		Jennifer Ares
<b>Municipals</b>				
City of Redlands		Cecilia Griego		Kevin Watson
City of Yucaipa		Ray Casey		Fermin Preciado
<b>Regionals</b>				
San Bernardino Valley MWD		Bob Tincher		Matt Howard
San Gorgonio Pass Water Agency		Lance Eckhart		Thomas Todd
* Quorum of the Board of Directors requires a total of five Purveyor, Municipal, Regional Members				

<b>Stakeholders</b>				
County of Riverside		Steve Horn		Jeff Johnson
County of San Bernardino		Bob Page		- -
City of Calimesa		Bonnie Johnson		

## Future Dates and Milestones

The dates provided below are subject to change.

Public Presentation of the Goals and Objectives of the Groundwater Sustainability Plan - Meeting Number 2	April 28, 2021 at 6:00pm
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Distribution of the Administrative Draft of the Yucaipa SGMA Groundwater Sustainability Plan	
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Final Groundwater Sustainability Plan Submitted to the Department of Water Resources for Review and Approval	June 30, 2021
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Groundwater Sustainability Plan Legislative Deadline	January 31, 2022
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# MINUTES OF THE YUCAIPA SUSTAINABLE GROUNDWATER MANAGEMENT AGENCY

## Workshop Meeting – July 28, 2021 - 10:30 a.m. - - Online Meeting - -

On March 4, 2020, Governor Gavin Newsom declared a State of Emergency resulting from the threat of COVID-19 and issued Executive Order N-25-20 (3-12-20) and Executive Order N-29-20 (3-17-20) which temporarily suspend portions of the Brown Act relative to conducting public meetings. Subsequent thereto, Governor Newsom issued Executive Order N-33-20 (3-19-20) ordering individuals to stay at home or at their place of residence. Accordingly, it has been determined that meetings of the Yucaipa Sustainable Groundwater Management Agency will be held via teleconference. There will be no public access to the meeting venue.

- I. Call to Order - Chairman Mark Iverson called the meeting to order at 10:30 a.m.
- II. Roll Call - The following representatives, as assigned by each Party, attended the meeting:

Purveyors	Present	Primary Representative	Present	Alternative Representative
South Mesa Water Company	✓	David Armstrong	✓	George Jorritsma
South Mountain Water Company	✓	Bob Martin		Rolland Moore
Western Heights Water Company	✓	Mark Iverson	✓	Tim Green
Yucaipa Valley Water District	✓	Joseph Zoba		Jennifer Ares
Municipals				
City of Redlands		Cecilia Griego	✓	Kevin Watson
City of Yucaipa		Ray Casey	✓	Fermin Preciado
Regionals				
San Bernardino Valley MWD	✓	Bob Tincher	✓	Matt Howard
San Gorgonio Pass Water Agency		Lance Eckhart		Thomas Todd
Stakeholders				
County of Riverside		Steve Horn		Jeff Johnson
County of San Bernardino		Bob Page		
City of Calimesa		Bonnie Johnson		

A quorum of the Board of Directors was present to start the meeting.

In addition to the Board of Directors identified above, the following members of the public were registered as attending the meeting:

- Madeline Blua, Yucaipa Valley Water District
- Rosanna Hanson
- Derek Hoffman, Gresham Savage representing South Mesa Water Company
- Logan Largent, Ortega Strategies Group

- Ty Mull
- Adekunle Ojo, San Bernardino Valley Municipal Water District
- Mike Podegracz, Charles Abbott Associates representing the City of Yucaipa
- Steve Stuart, Dudek

### III. Public Comments

None

### IV. Correspondence

None

### V. Review and Approval of Minutes

#### A. July 21, 2021 - Workshop Meeting

Bob Tincher moved to approve the board meeting minutes for July 21, 2021.

David Armstrong seconded the motion.

South Mesa Water Company	Yes
South Mountain Water Company	Yes
Western Heights Water Company	Yes
Yucaipa Valley Water District	Yes
City of Redlands	Yes
City of Yucaipa	Yes
San Bernardino Valley MWD	Yes
San Geronio Pass Water Agency	Absent

### VI. Discussion Items

#### A. Status Update on the Activities Related to the Preparation of the Groundwater Sustainability Plan

##### 1. Discussion Regarding Measurable Objectives for the Western Heights, North Bench, Calimesa, and San Timoteo Management Areas

Steve Stuart provided an overview of the issues discussed during the past several workshops related to the Sustainability Criteria for each Management Area. The overview included a discussion about the Sustainability Range, Measurable Objective, Drought Buffer Range, and Minimum Threshold for the Management Areas. The San Timoteo Management Area uses different criteria based on shallow groundwater conditions.

##### 2. Discussion Regarding the Proposed Groundwater Sustainability Plan Implementation, Management Actions, and Fee Structure

Steve Stuart presented concepts related to the administrative fees and implementation costs to be included in the Groundwater Sustainability Plan. The costs include administrative expenses; public engagement; preparation of Groundwater Sustainability Plan annual and 5-year reports; DMS management; ongoing groundwater level monitoring; ongoing groundwater production monitoring; ongoing groundwater quality monitoring; routine service of monitoring wells; and routine service of stream gaging stations.

The concept of a Rolling Pumping Credit was discussed for each Management Area. There was general consensus that the groundwater pumping for each Management Area would be based on an annual allotment with a five-year rolling credit for groundwater production under the allotment. Additionally, supplemental water that is artificially recharged in a Management Area would be subject to an annual loss but be able to be retained without a forfeiture date allowing the recharged supplemental water to be used in the future by the water purveyors.

Matt Howard provided an overview of the Groundwater Sustainability Grant status showing that the Groundwater Sustainability Plan completed to date are 77% complete and within budget.

VII. Topics for Future Meetings - Suggested meeting dates are provided below and will be adjusted based on the progress of each topic.

- Discussion regarding potential projects to be included in the groundwater model and the Groundwater Sustainability Plan
- Overview of Draft Chapter 1, Draft Chapter 2, Draft Chapter 3, Draft Chapter 4, and Draft Chapter 5.
- Development of San Geronio Pass Water Agency replenishment fees.

VIII. Comments by the Board of Directors

None

IX. Announcements

The next scheduled meeting of the Yucaipa Sustainable Groundwater Management Agency will be a workshop meeting on Wednesday, August 11, 2021, at 10:30 am.

X. Adjournment - The meeting was adjourned at 12:05 pm.

**DRAFT – SUBJECT TO REVISION**

# **Yucaipa-SGMA**

## **Groundwater Sustainability Plan (GSP)**

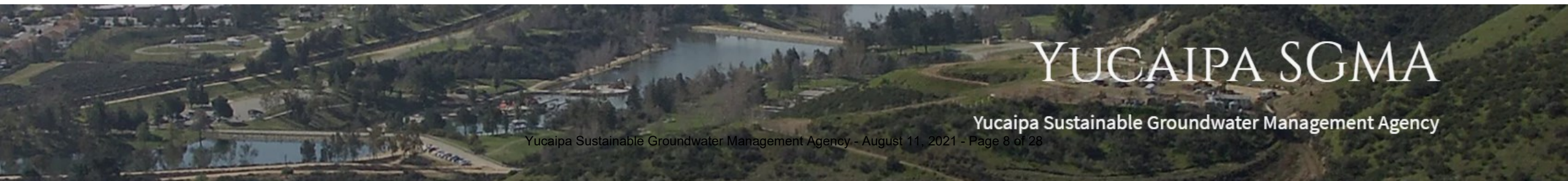
### **Development**

**Yucaipa GSA Workshop**  
**August 11, 2021**

# Presentation Outline

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- Update on Draft GSP Chapters
- Proposed Plan Implementation
  - Proposed Fee Structure
- Proposed Pumping Credits
  - 5-Year Rolling Pumping Credit and Replenishment Fee
  - Supplemental Water Accounting
- Update on USGS Numerical Model Report
- Update on DMS Development



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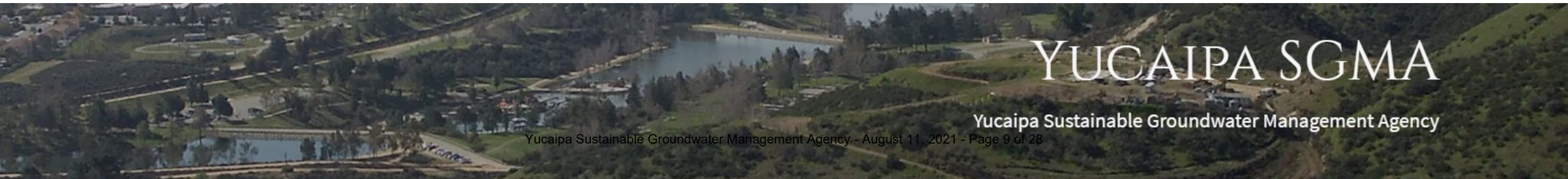
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## Update on Draft GSP Chapters

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- Chapter 1 – Introduction to GSA and Plan Area
  - Draft revised per comments received to date
- Chapter 2 – Basin Understanding
  - Draft revised per updated USGS numerical model
    - Updated Sustainable Yield, Water Balance, Management Areas
- Chapter 3 – Sustainability Criteria
  - Draft to be revised with recently agreed criteria for the management areas



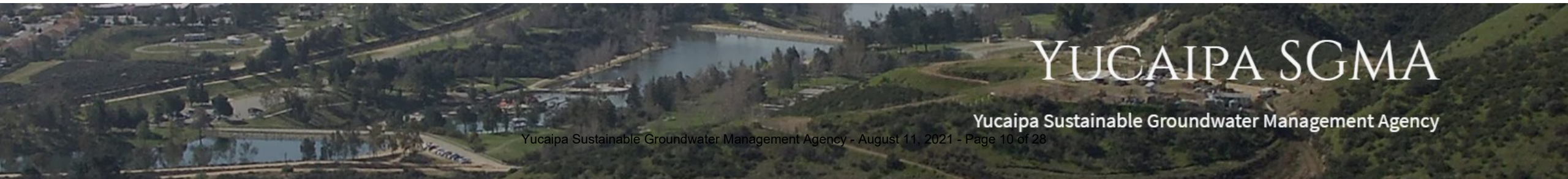
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## Update on Draft GSP Chapters

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- Chapter 4 – Management Actions and Projects
  - Draft to be revised with agreed management actions
  - To include Wilson III and possible spreading basins in Calimesa simulated in numerical model
- Chapter 5 – Plan Implementation
  - Draft to be revised with proposed cost structure
    - MOA shared costs + schedule of when costs due
    - To include 5-Year rolling pumping credit and replenishment fee
    - Separate accounting for supplemental water



# Yucaipa-SGMA Conceptual Fee Structure

## 1. MOA Shared Costs

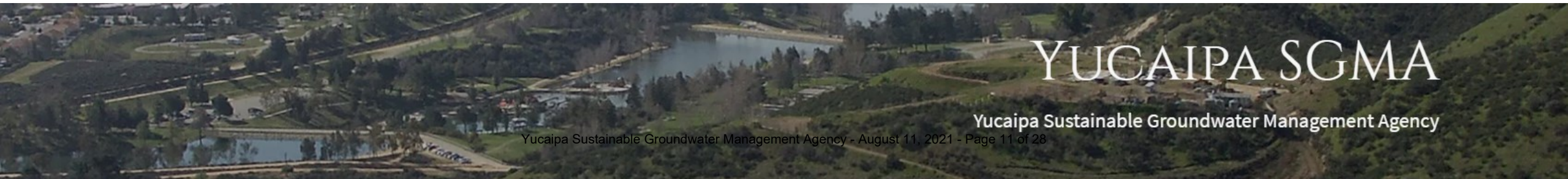
- a) Administration Fees
- b) Public Engagement
- c) GSP Annual and 5-Year Reports
- d) DMS Management
- e) Monitoring Programs
  - a) Groundwater levels, production, water quality
- f) Installation, Maintenance of Wells, Stream Flow Gaging Stations

## 2. Rolling Pumping Credits

- a) Rolling Pumping Credit
  - a) 5-Year Rolling Credit
  - b) Bank Volume Pumped Less than Sustainable Yield Pumping Allocation
  - c) Replenishment Fee in Excess of Sustainable Yield Pumping Allocation and no pumping credit

## 3. Supplemental Water Accounting

- a) Water that directly recharges the aquifer



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# Yucaipa-SGMA Conceptual Fee Structure

## 1. MOA Shared Costs

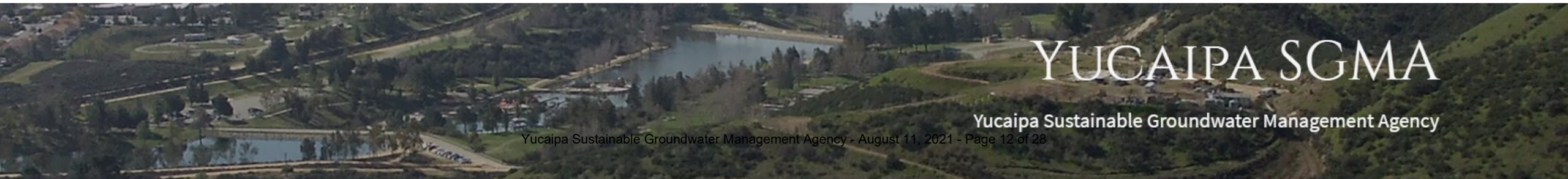
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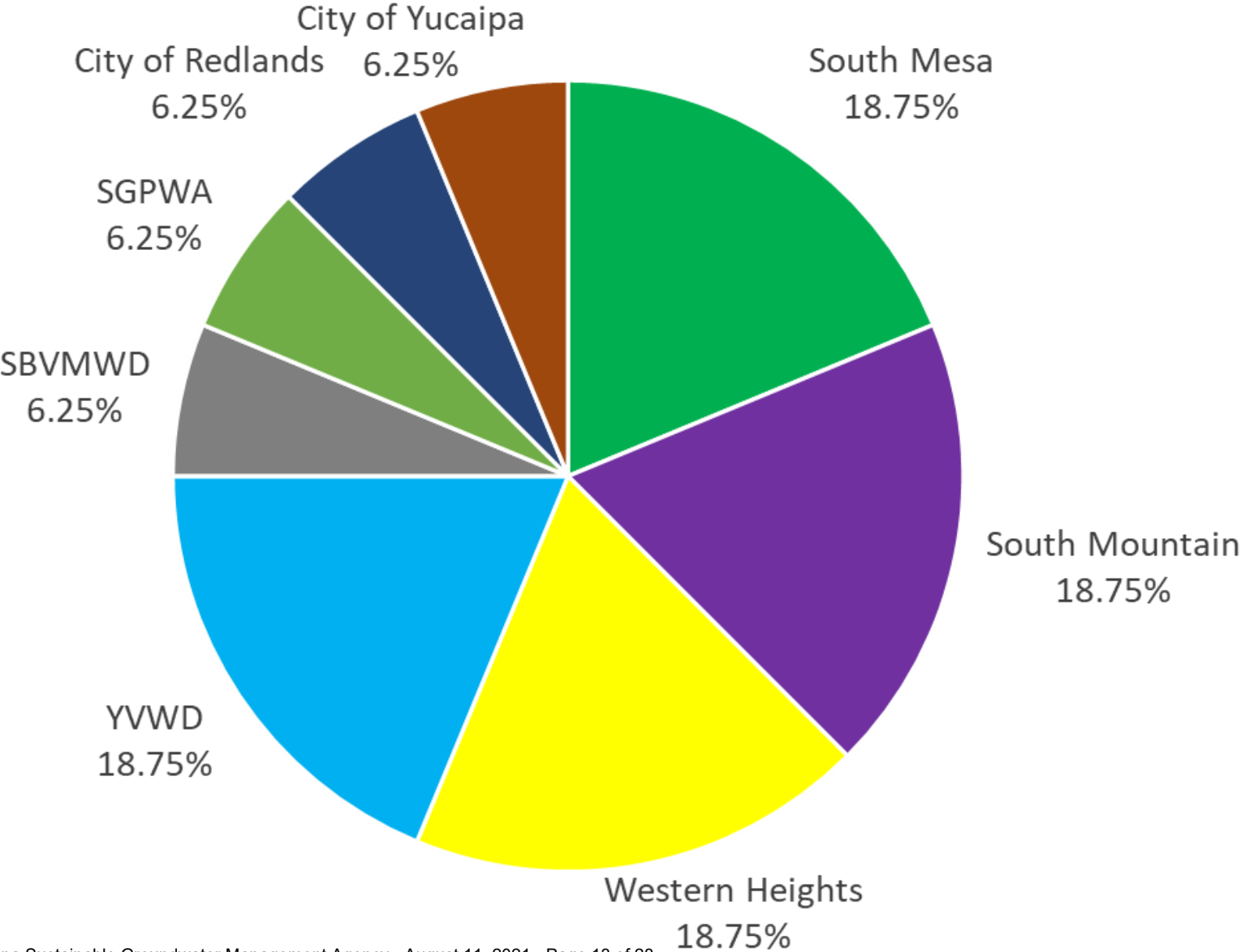


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# MOA Shared Cost Structure

Water Purveyors (75% Share)	South Mesa	18.75%
	South Mountain	18.75%
	Western Heights	18.75%
	YVWD	18.75%
Municipalities and Regionals (25% Share)	SBVMWD	6.25%
	SGPWA	6.25%
	City of Redlands	6.25%
	City of Yucaipa	6.25%



# MOA Shared Costs

Task	Estimated Annual Cost	Each Water Purveyor	Each Municipality and Regional
<b>GSA Administrative Costs</b>	\$ 20,000.00	\$ 3,750.00	\$ 1,250.00
<b>Public Engagement</b>	\$ 5,000.00	\$ 937.50	\$ 312.50
<b>GSP Annual Report</b>	\$ 35,000.00	\$ 6,562.50	\$ 2,187.50
<b>GSP 5-Year Periodic Evaluation</b> (includes update, refine, recalibrate numerical model)	\$ 50,000.00	\$ 9,375.00	\$ 3,125.00
<b>DMS Management</b>	\$ 5,000.00	\$ 937.50	\$ 312.50



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# MOA Shared Costs

Task	Estimated Annual Cost	Each Water Purveyor	Each Municipality and Regional
<b>Groundwater Level Monitoring</b> (includes installation/maintenance to obtain data, QA/QC, measuring devices)	\$ 20,000.00	\$ 3,750.00	\$ 1,250.00
<b>Groundwater Production Monitoring</b> (includes installation/maintenance to obtain data, QA/QC, meter calibration)	\$ 20,000.00	\$ 3,750.00	\$ 1,250.00
<b>Groundwater Quality Monitoring</b> (includes installation/maintenance to obtain data, QA/QC, field meters)	\$ 15,000.00	\$ 2,812.50	\$ 937.50
<b>Install, Maintain Monitoring Wells</b>	\$ 20,000.00	\$ 3,750.00	\$ 1,250.00
<b>Surface Water Stream Flow Gaging Stations Installation and Maintenance Program</b>	\$ 15,000.00	\$ 2,812.50	\$ 937.50
<b>TOTAL</b>	<b>\$ 205,000.00</b>	<b>\$ 38,437.50</b>	<b>\$ 12,812.50</b>



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# Cost Schedule

## 1. Upfront Costs Due at Adoption of GSP

- a) Administration Fees
- b) Public Engagement
- c) GSP Annual and 5-Year Reports
- d) DMS Management

Water Purveyors = \$21,562.50/year

Municipalities/Regionals = \$7,187.50/year

## 2. Costs Incurred as Implemented

### a) Monitoring Programs

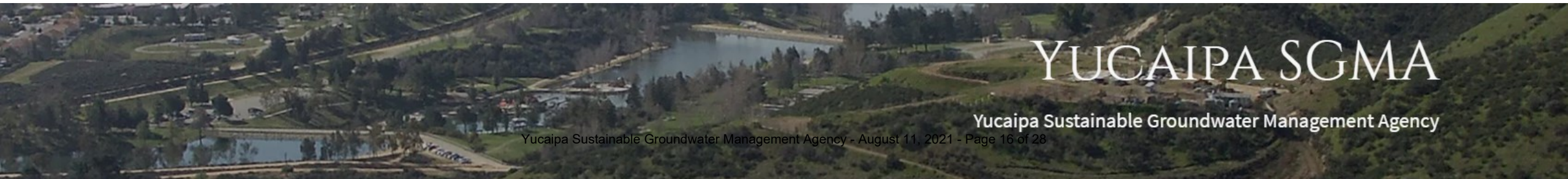
- a) Groundwater levels, production, water quality

### b) Installation, Maintenance of Wells, Stream Flow Gaging Stations

Water Purveyors = \$16,875/year

Municipalities/Regionals = \$5,625/year

**ALL COSTS TO BE REEVALUATED AT END OF EVERY YEAR**





# Yucaipa-SGMA Conceptual Fee Structure

## 1. MOA Shared Costs

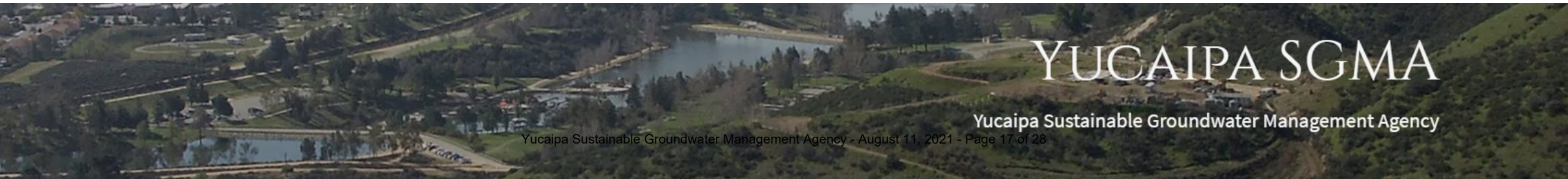
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- a) Rolling Pumping Credit
  - a) 5-Year Rolling Credit
  - b) Bank Volume Pumped Less than Sustainable Yield Pumping Allocation
  - c) Replenishment Fee in Excess of Sustainable Yield Pumping Allocation and no pumping credit

## 3. Supplemental Water Accounting

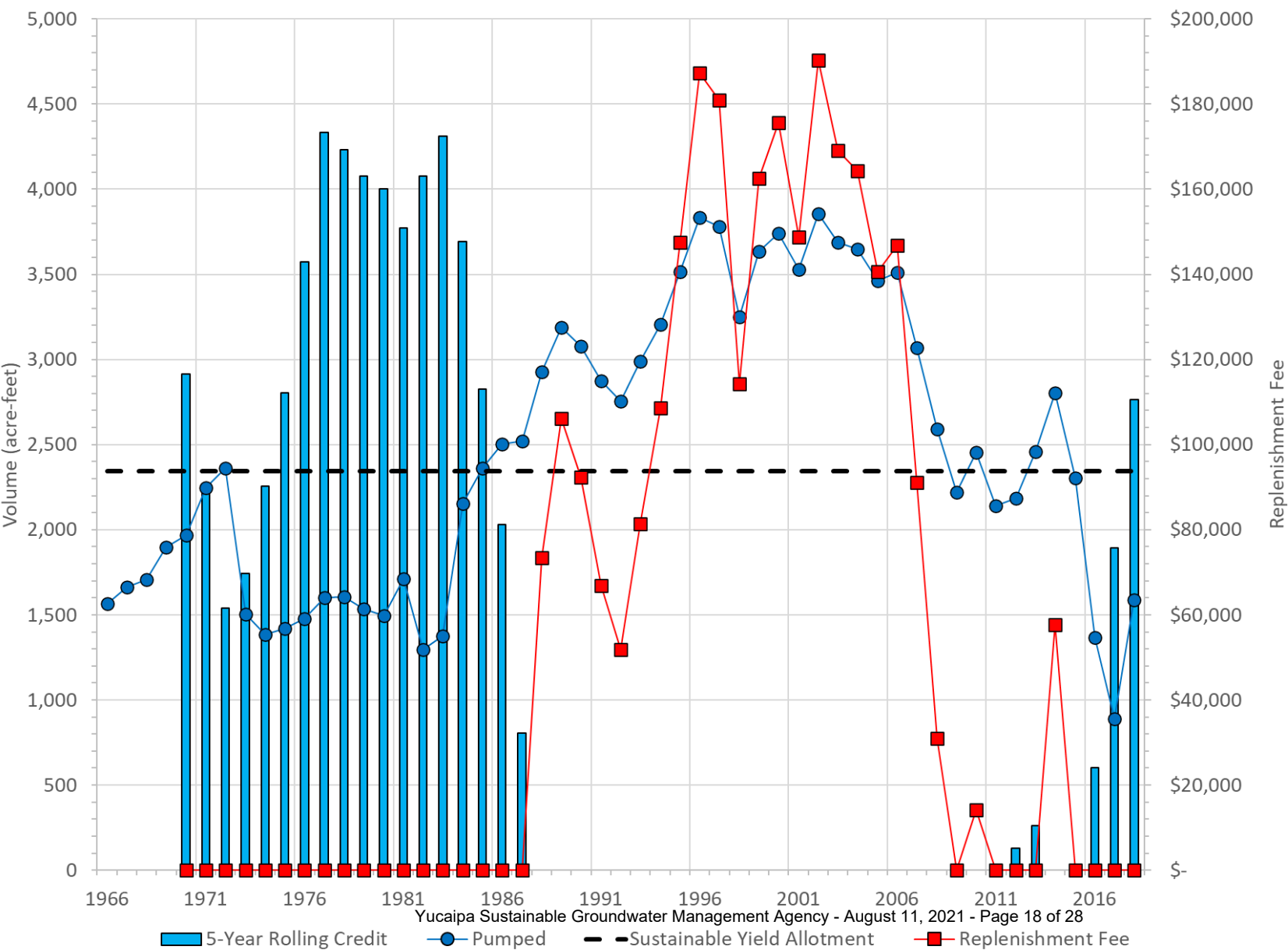
- a) Water that directly recharges the aquifer



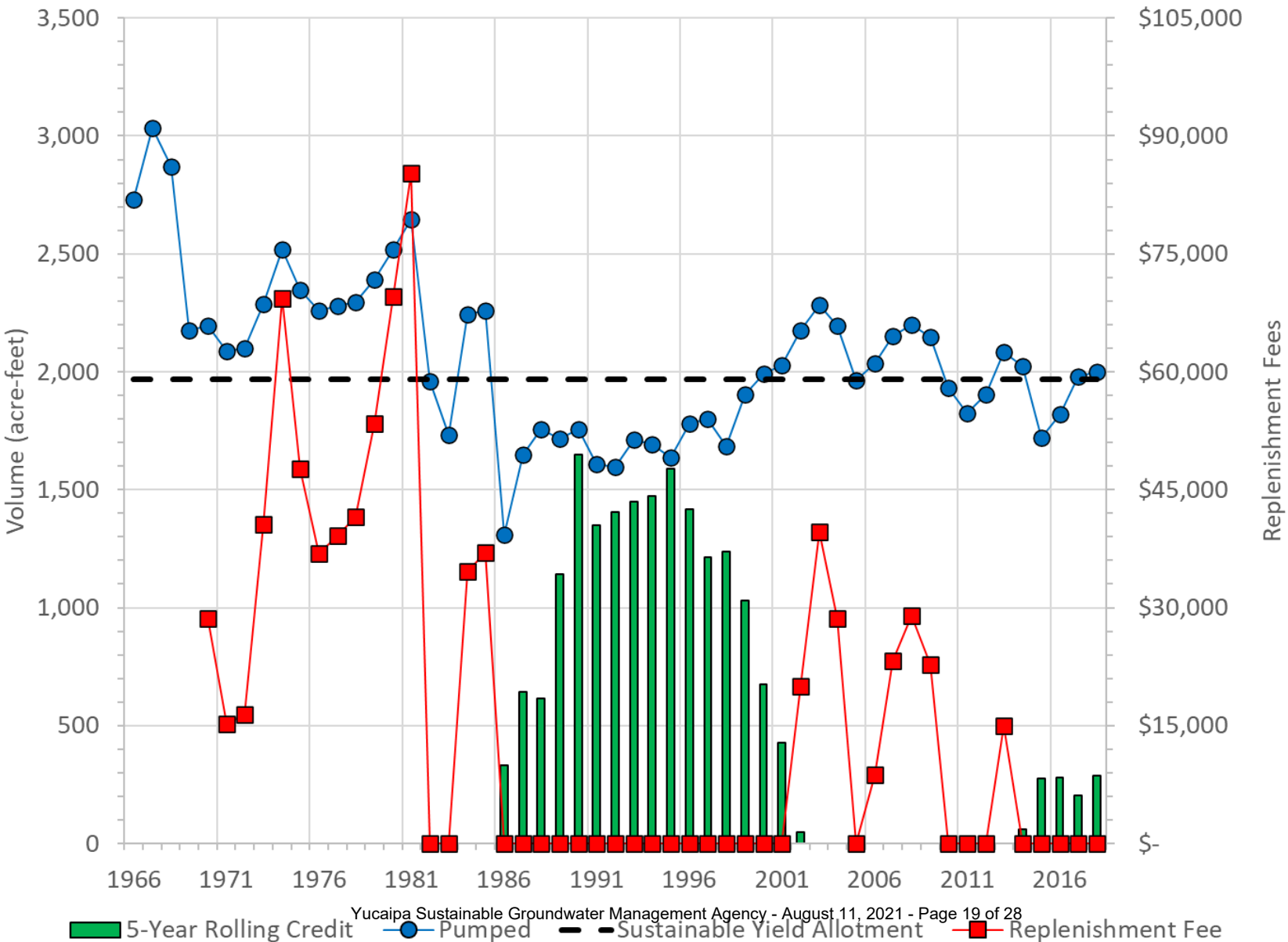
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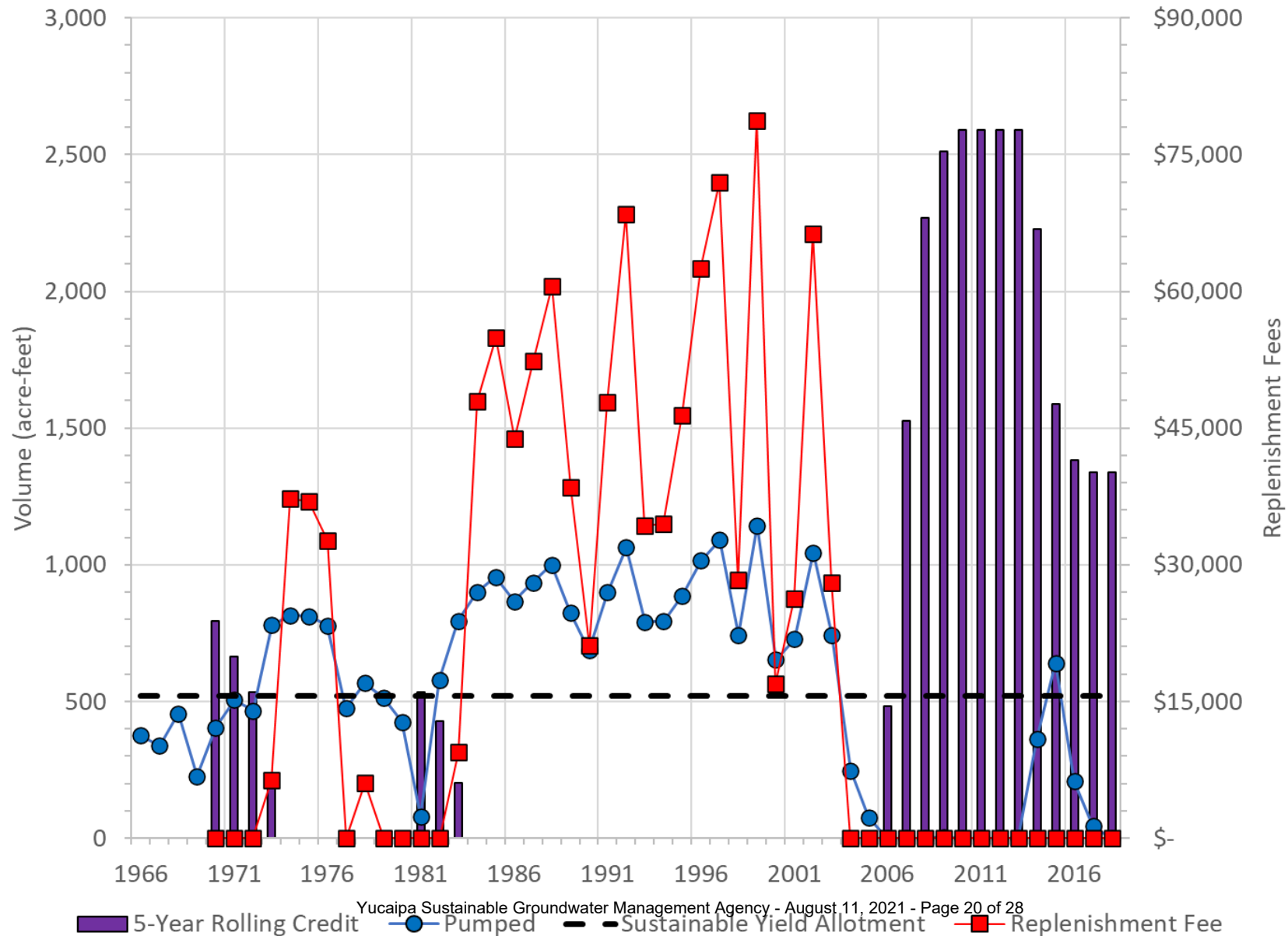
# 5-Year Rolling Pumping Credit and Replenishment Fees for YVWD (CMA)



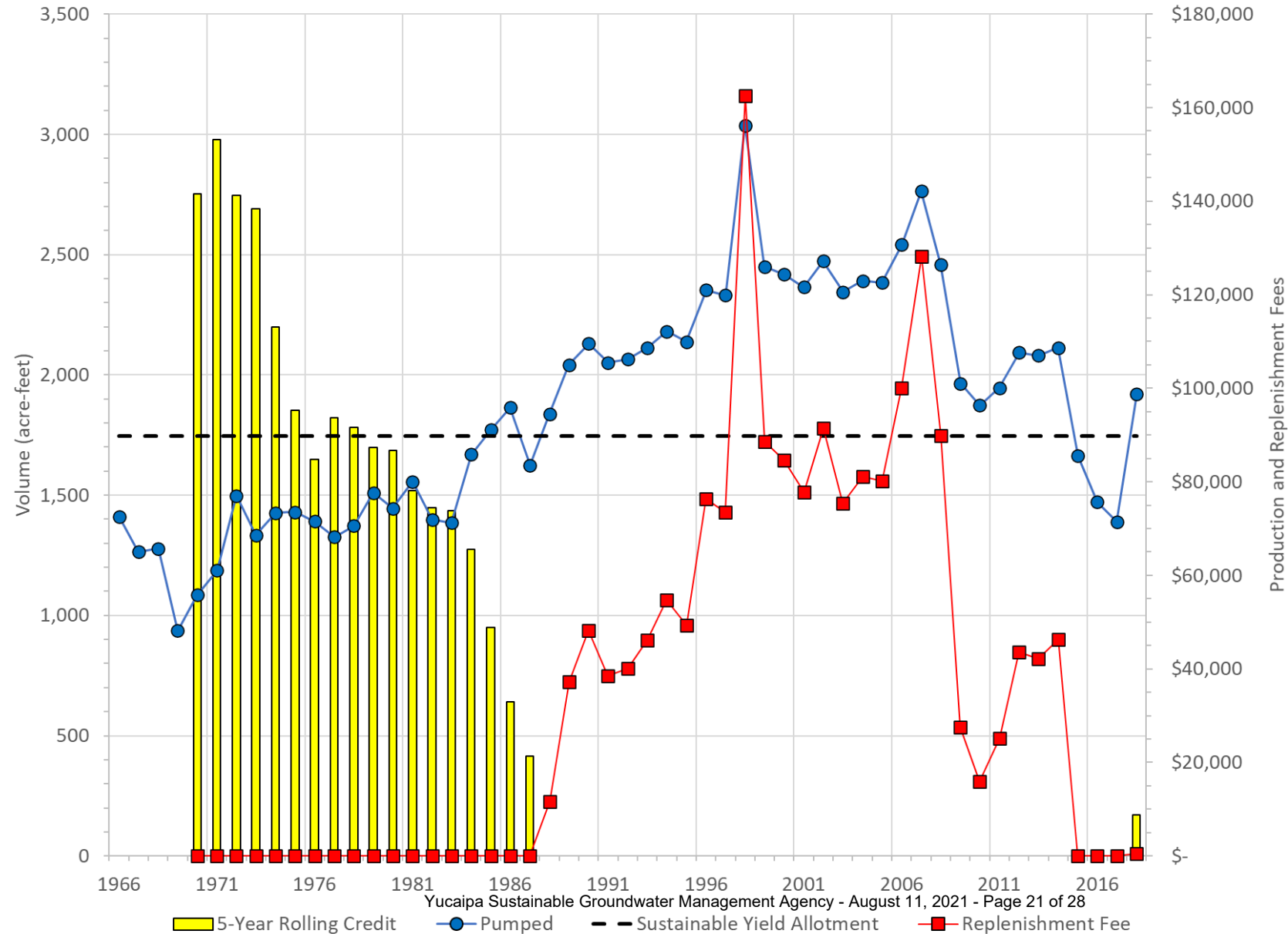
# 5-Year Rolling Pumping Credit and Replenishment Fees for South Mesa



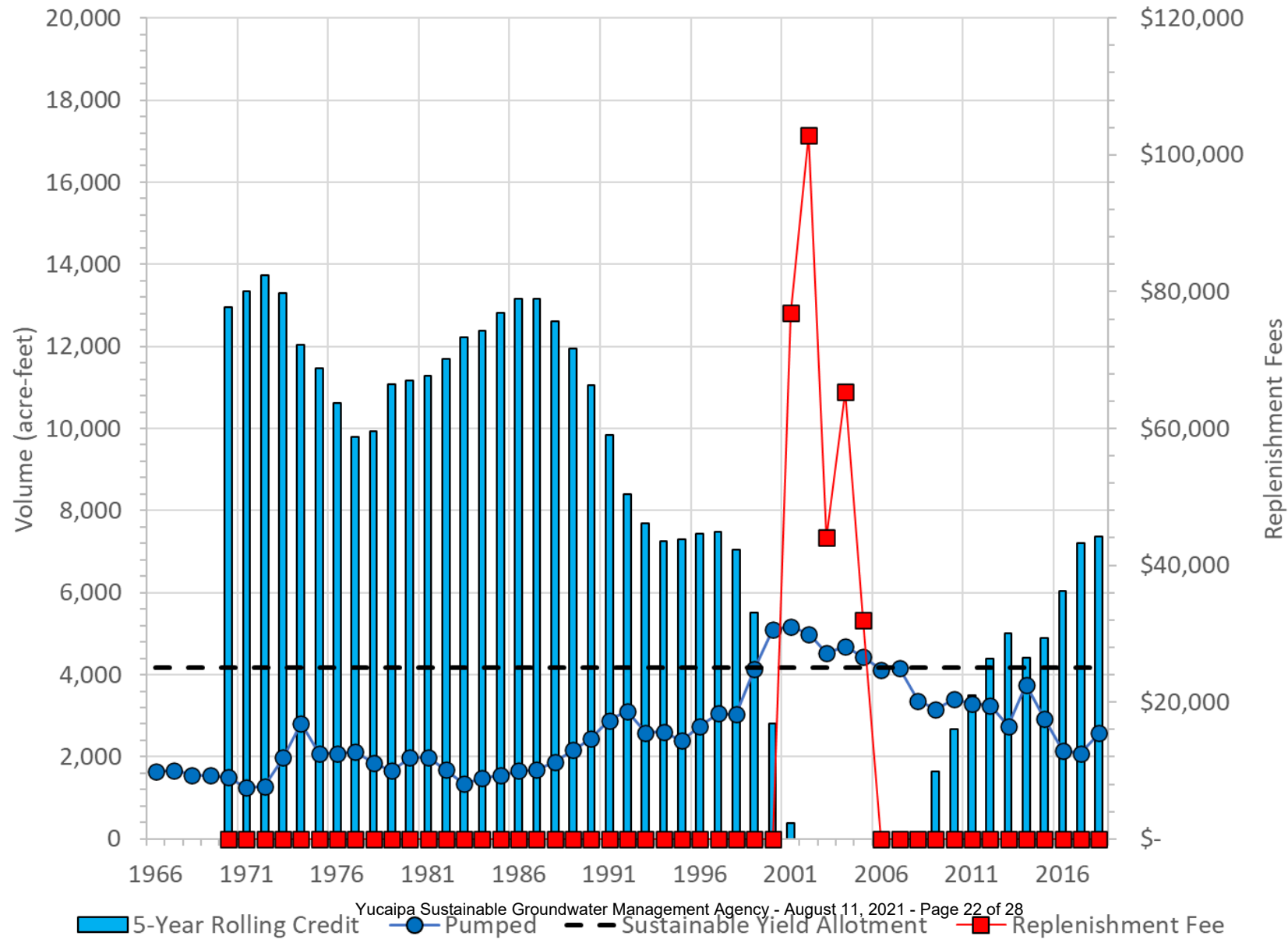
# 5-Year Rolling Credit and Replenishment Fees for South Mountain



# 5-Year Rolling Pumping Credit and Replenishment Fees for WHWC

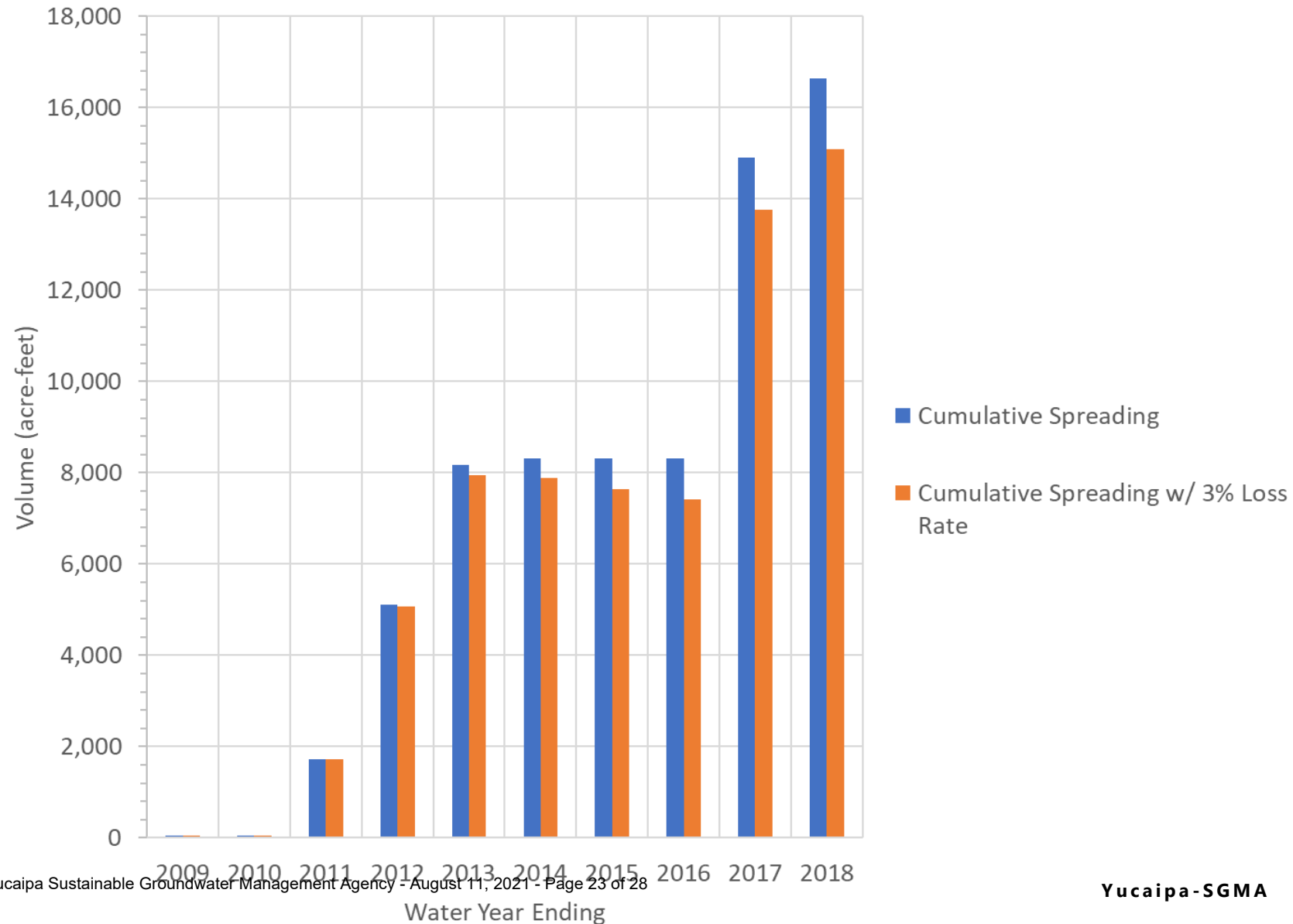


# 5-Year Rolling Pumping Credit and Replenishment Fees for YVWD (NBMA)

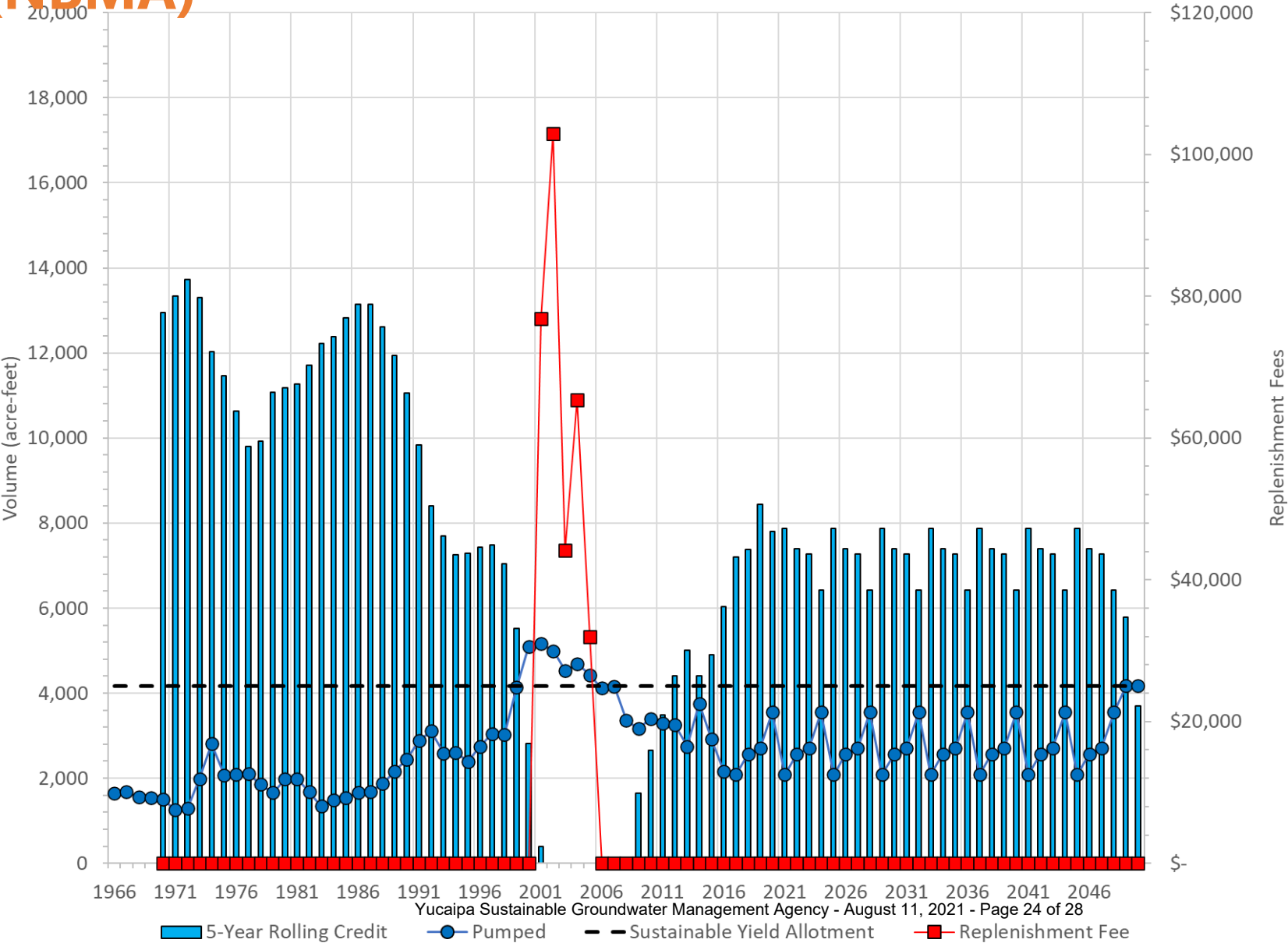


# Accounting of Supplemental Water Spreading for YVWD (NBMA)

- Draw from Supplemental Water Account when Pumping Credits are Exhausted and Pumping Exceeds Sustainable Yield
- Apply a Limit to Extraction of Supplemental Water?
- Or, Extract Supplemental Water to Meet Annual Demand?

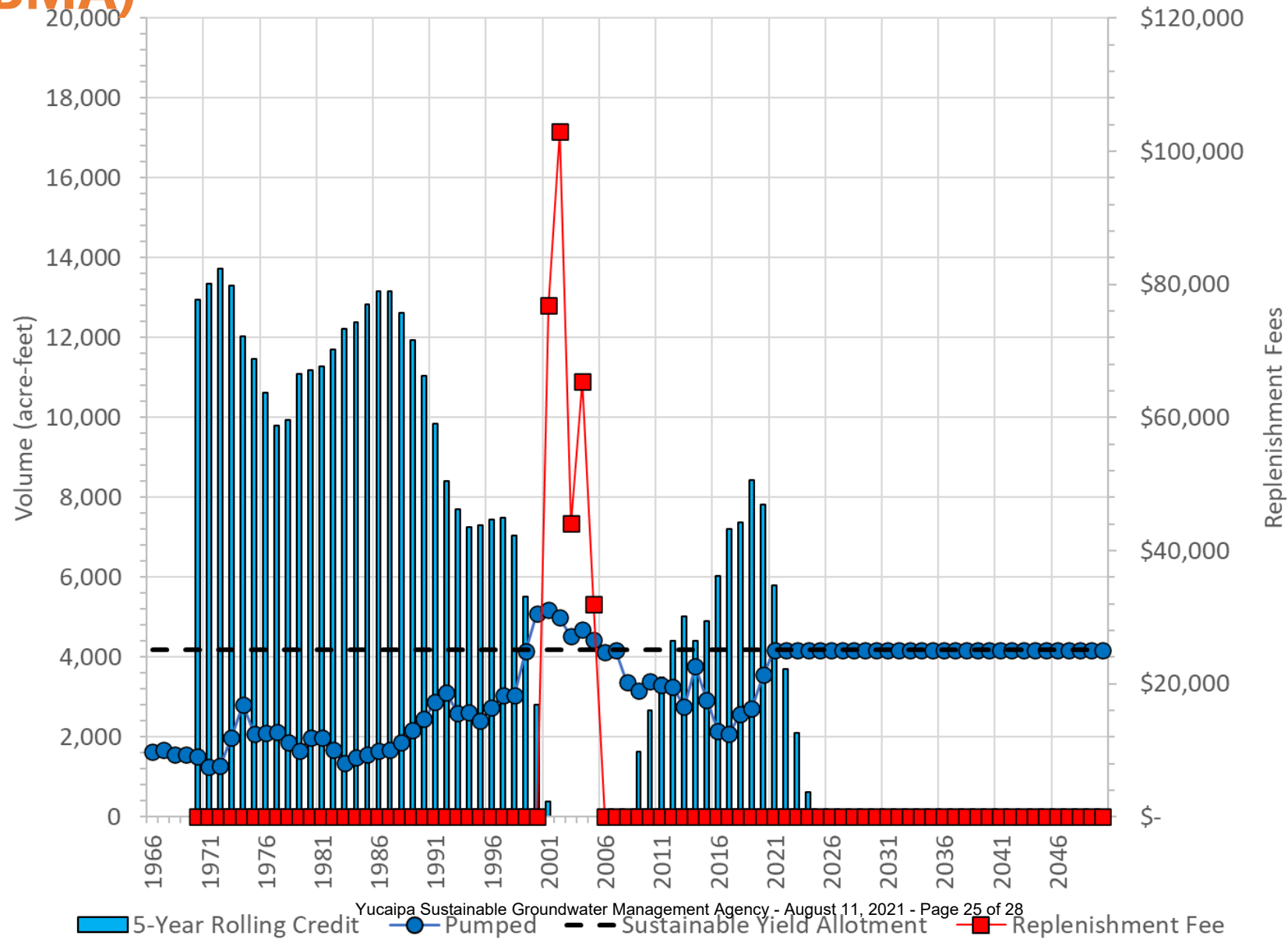


# Project 5-Year Rolling Pumping Credit and Replenishment Fees for YVWD (NBMA)

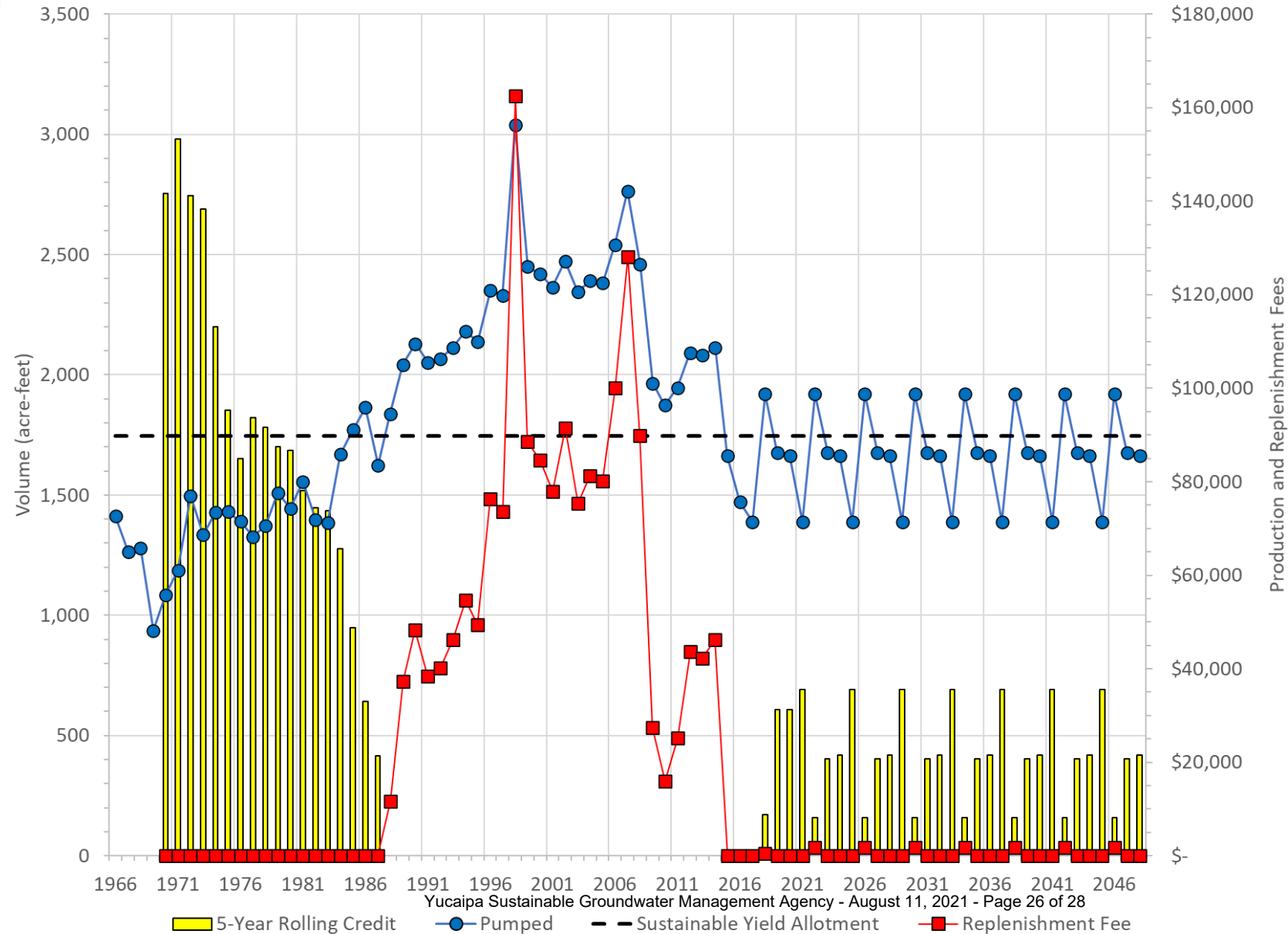




# Project 5-Year Rolling Pumping Credit and Replenishment Fees for YVWD (NBMA)



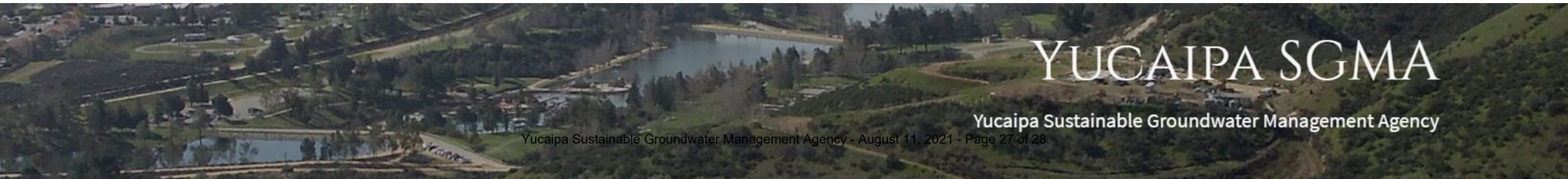
# Projected 5-Year Rolling Pumping Credit and Replenishment Fees for WHWC



# USGS Numerical Model Update

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- 1. Revised USGS Numerical Model received on June 2021**
  - a) Water balance for Yucaipa Subbasin and Management Areas**
  - b) Revised Estimate of Sustainable Yield**
  - c) Future projections – Results meet expectations**
- 2. USGS Numerical Model Report still in development**
  - a) End of September 2021**



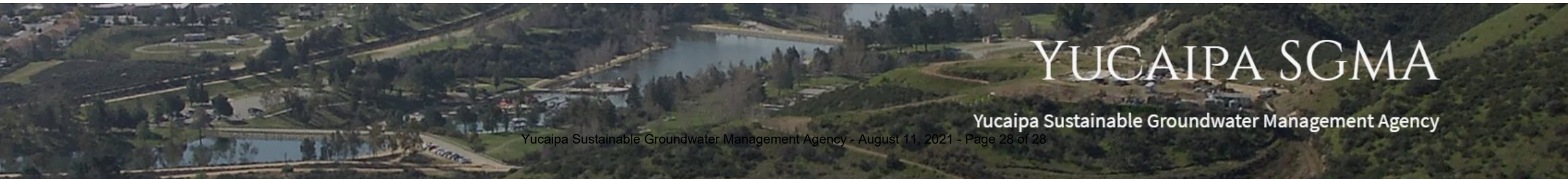
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# DMS Development Update

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- 1. Incorporating historical and current data:**
  - 1. Water levels**
  - 2. Water production**
  - 3. Precipitation at SBCFCD climatic stations**
- 2. Matt Palavido to contact individual agencies for one-on-one sessions to review DMS and associated data**



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