

Inland Empire Brine Line Reach V Rehabilitation and Improvement Project – Phase 1

Continued Use of Public Relations Consultant

September 19, 2017

Recommendation

- That the Commission approve Change Order No. 4 with Hammons Strategies in an amount not to exceed \$11,250, increasing the total contract amount to \$78,750 and extending the current Agreement for an additional three (3) months through December 2017.

Project Status



Ovality Results / Segment Summary

	<u>Segment #</u>	<u>Length</u>	<u>Ovality Range</u>	<u>Action</u>
Reach 2	▪ 1.	500 ft	2.5% - 9.5%	CIPP Complete
	▪ 2.	450 ft	2.3% - 9.4%	CIPP Complete
	▪ 3.	550 ft	1.3% - 11.5%	CIPP Complete
	▪ 4.	350 ft	1.5% - 8.0%	CIPP Complete
	▪ 5.	350 ft	1.4% - 3.9%	No Lining
	▪ 6.	400 ft	1.3% - 9.0%	CIPP Complete
	▪ 7.	350 ft	1.0% - 7.5%	CIPP Complete
	▪ 8.	410 ft	1.5% - 10.4%	CIPP Complete
	▪ 9.	410 ft	1.6% - 10.0%	CIPP Complete
	▪ 9B.	70 ft	6.0% - 16.5%	Remove and Replace Complete
	▪ 10.	220 ft	1.6% - 7.7%	CIPP Complete
	▪ 11.	270 ft	0.7% - 9.0%	CIPP Complete
	▪ 11B.	440 ft	0.7% - 9.0%	CIPP Complete
	▪ 12.	240 ft	1.5% - 12.0%	CIPP Complete
	▪ 13.	460 ft	4.0% - 18.0%	CIPP (Increase wall thickness at 18% Ovality, 9ft) Complete
▪ 14.	405 ft	3.6% - 13.5%	CIPP Complete	
▪ 15.	395 ft	3.3% - 16.1%	Remove and Replace Complete	

Ovality Results / Segment Summary

	<u>Segment #</u>	<u>Length</u>	<u>Ovality Range</u>	<u>Action</u>
	▪ 16.	400 ft	2.9% - 11.2%	CIPP Complete
	▪ 17.	350 ft	3.2% - 12.4%	CIPP Complete
	▪ 18.	350 ft	1.4% - 12.0%	CIPP Complete
	▪ 19.	510 ft	1.0% - 8.0%	CIPP Complete
	▪ 20.	270 ft	2.2% - 8.0%	CIPP Complete
	▪ 21.	470 ft	0.6% - 7.0%	CIPP Complete
	▪ 22.	225 ft	1.2% - 7.8%	CIPP Complete
Reach 3	▪ 23.	354 ft	0.6% - 7.0%	CIPP Line on 10/4
	▪ 24.	446 ft	1.4% - 10.6%	CIPP Line on 10/2
	▪ 25.	654 ft	1.1% - 8.5%	CIPP Line on 9/27
	▪ 26.	400 ft	0.4% - 10.2%	CIPP Line on 9/25
	▪ 27.	350 ft	0.4% - 10.2%	CIPP Line on 9/20
	▪ 28.	660 ft	0.5% - 8.5%	CIPP Line on 9/18
	▪ 29.	69 ft	1.2% - 8.2%	Remove and Replace Complete
	▪ 29B.	75 ft	0.0% - <5%	No Lining
	▪ 30.	650 ft	2.7% - 10.4%	Remove and Replace Complete
	▪ 31.	232 ft	0.9% - 7.9%	Remove and Replace Complete

Activities to Date

- Regular project updates prepared - flyers
- Post current information: Facebook, Webpage, email (distribution list)
- Monitor, respond to posts on Facebook, email – direct communication
- Coordination with We-R-Temescal Valley Facebook page monitor
- Responses to Construction Hotline inquiries (email, voicemail)
- Press Enterprise articles (5) – coordinated message points, site tour, response to questions
- Message development – presentations – Corona City Council, Temescal Valley Municipal Advisory Committee
- Supervisor Jeffries Town Hall meeting – booth (3/8/17)
- Ceremonial removal - first piece of bypass pipeline – event 1/20/17

Activities Next 3 Months

- Traffic warnings prior to lane closures – take alt routes
 - Tom Farms
- Continuation of current activities
 - Regular project updates prepared - flyers
 - Post current information: Facebook, Webpage, email (distribution list)
 - Monitor, respond to posts on Facebook, email – direct communication
 - Coordination with We-R-Temescal Valley Facebook page monitor
 - Responses to Construction Hotline inquiries (email, voicemail)
 - Press Enterprise article – Project Completion
- Temescal Valley Municipal Advisory Committee
- Plan activities through end of major construction activities (Dec 2017)
- Other – general Brine Line – marketing brochure update

Questions?

Inland Empire Brine Line Rate Model

Item 5.B.

September 19, 2017

Brine Line Rate Model

Recommendation to SAWPA Commission

- Direct staff to issue a request for proposals (RFP) for professional services to prepare a Brine Line rate model.

Brine Line Rate Model

- Updated every 5-7 years:
 - Previous updates:
 - 2004 – Glenn Reiter & Associates
 - 2010 – FCS Group
 - 2017 (Proposed) – Consultant TBD
- Purpose:
 - Prepare a simple to use, MS Excel based, rate model.

Brine Line Rate Model

- Scope of Work
 - Evaluate current rate structure, recommend changes
 - Direct Dischargers
 - Indirect Dischargers
 - Recommend target reserve balances
 - Evaluate impacts of future revenues and expenses

Brine Line Rate Model

Recommendation to SAWPA Commission

- Direct staff to issue a request for proposals (RFP) for professional services to prepare a Brine Line rate model.

Questions?

SAWPA Draft Ordinance No. 8 and Draft Resolution Establishing Local Limits

September 19, 2017

Recommendation to Commission:

It is recommended that the Commission:

- Hear a presentation on the proposed Ordinance No. 8 and Resolution 2017-11,
- Conduct a public hearing on Ordinance No. 8 and Resolution 2017-11 to receive comments, and
- Consider adopting Ordinance No. 8 and Resolution 2017-11.

Background

- Orange County Sanitation District has completed the process of updating and revising their Sewer Use Ordinance.
- SAWPA is required to update their Ordinance to include the relevant OCSD revisions.

Proposed Ordinance Updates

Issue	Change/Amendment
Permit Terms:	The maximum duration for permits have been lengthened.
Permit Transfers:	Ordinance language has been strengthened to prohibit permit transfers.
Temporary Permits:	New permit type for facilities that have undergone a transfer in ownership.
Letter to Discharge:	New Control Mechanism for one time discharges under 1MG.
Enforcement Response Schedules:	Reporting and response schedules have been defined for mechanisms of compliance.
Wastestream Correction Formula:	Clarification of the formula used to adjust the Local Limits to account for the presence of unregulated wastestreams.

Proposed Local Limit Revisions

Pollutant of Concern	Existing Limit	New/Amended Limit
Biochemical Oxygen Demand	15,000 lb/day	Mass Allocation
Ammonia	-	Mass Allocation
Chromium (Total)	2.0 mg/L	20.0 mg/L
Silver	5.0 mg/L	15.0 mg/L
Molybdenum	-	2.3 mg/L
Selenium	-	3.9 mg/L
1,4-Dioxane	-	1.0 mg/L
Total Toxic Organics	0.58 mg/L	-
Cyanide (Amenable)	1.0 mg/L	-

SAWPA Timetable

Date	Milestone
April 1, 2016	Submittal of Draft 1 to OCSD for review
June 8, 2016	Submittal of Draft 2 to OCSD for review
January 12, 2017	Resolution of TOC discussion
March 31, 2017	Submittal of Draft 3 to OCSD for review
July 11, 2017	Submittal of Draft 4 to OCSD for review
July 25, 2017	Conference Call with OCSD and finalization of Draft Ordinance No. 8 and Reso Establishing Local Limits
August 1, 2017	Released Drafts for Public Review and Comment
August 24, 2017	Workshop with dischargers
September 11, 2017	Request for written comments
September 19, 2017	Public Hearing before Commission, possible adoption

Public Comment Revisions

- SAWPA received no comments on the draft documents during the Public Review period.
- The only revisions incorporated since the release of the draft documents were administrative in nature for clarity or consistency.

Recommendation to Commission:

It is recommended that the Commission:

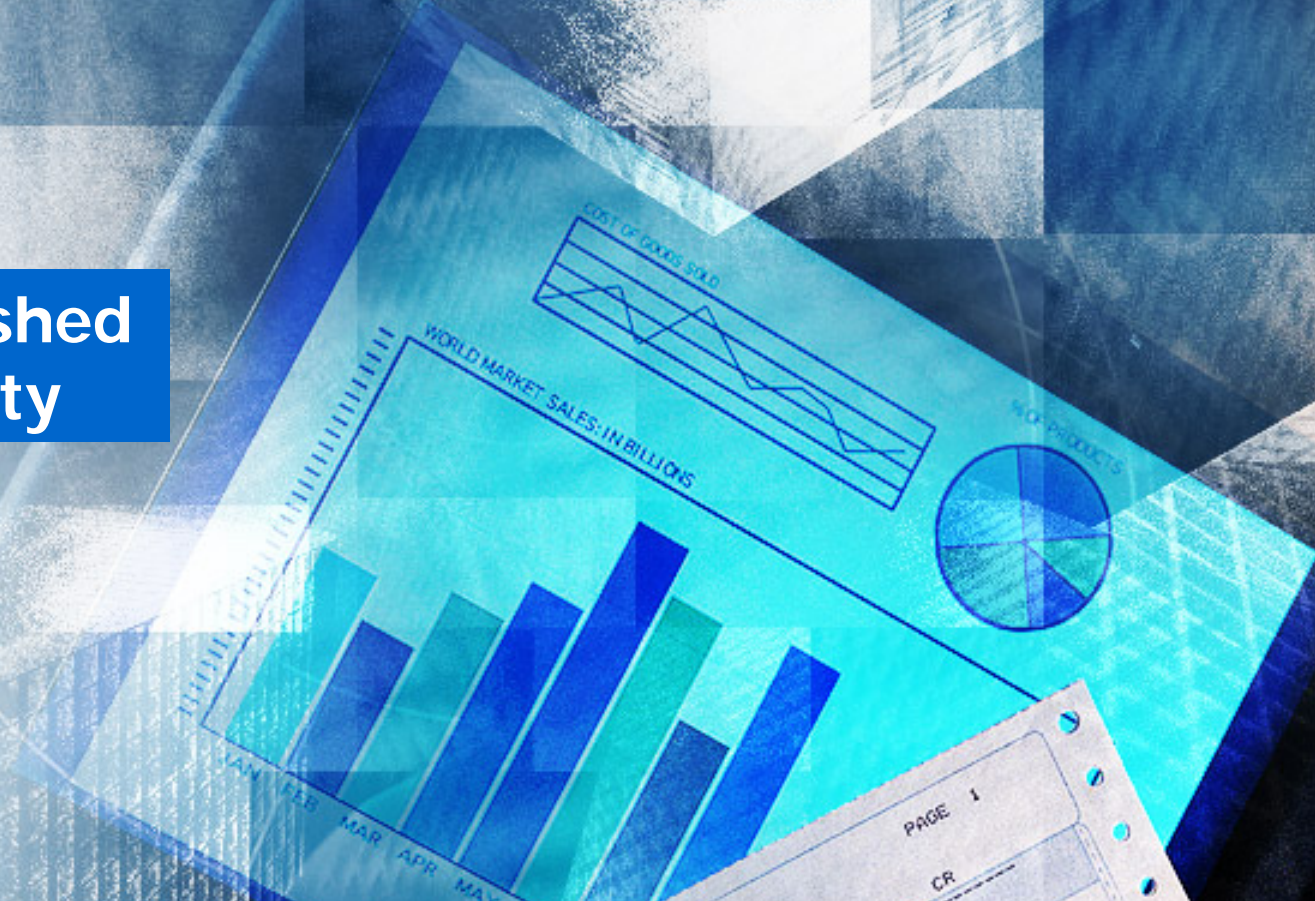
- Hear a presentation on the proposed Ordinance No. 8 and Resolution 2017-11,
- Conduct a public hearing on Ordinance No. 8 and Resolution 2017-11 to receive comments, and
- Consider adopting Ordinance No. 8 and Resolution 2017-11.



Questions

Santa Ana Watershed Project Authority

Financial Report for the Inland Empire Brine Line Enterprise/CIP for the 4th Quarter Ending June 30, 2017



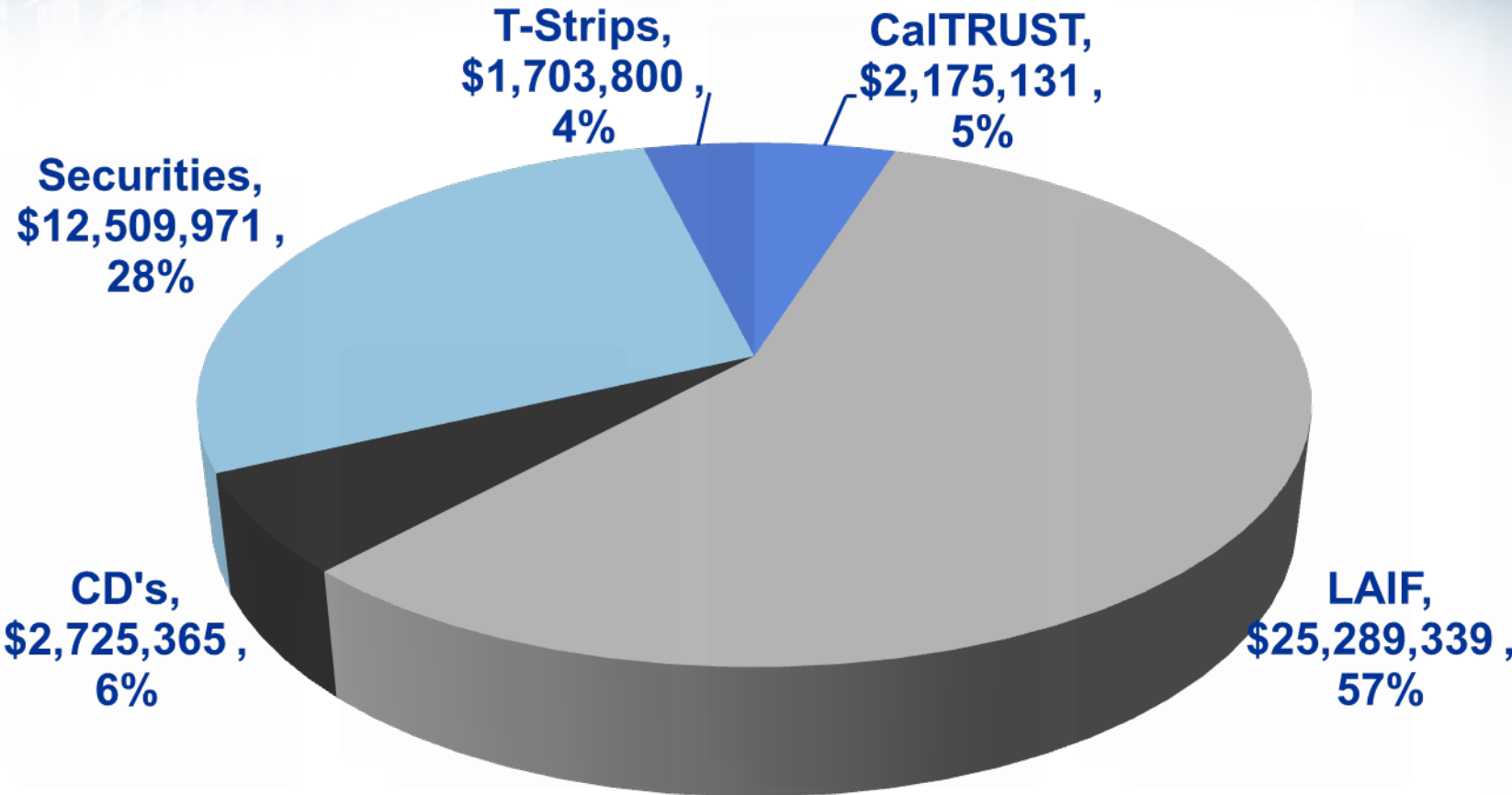
Agenda

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- **Cash & Investments**
- **Reserve Account Balances**
- **Transfer, Uses & Contributions from/to Reserves**
- **Enterprise Performance**
- **Enterprise Revenues**
- **Enterprise Expenses**
- **Capital Improvement Program**

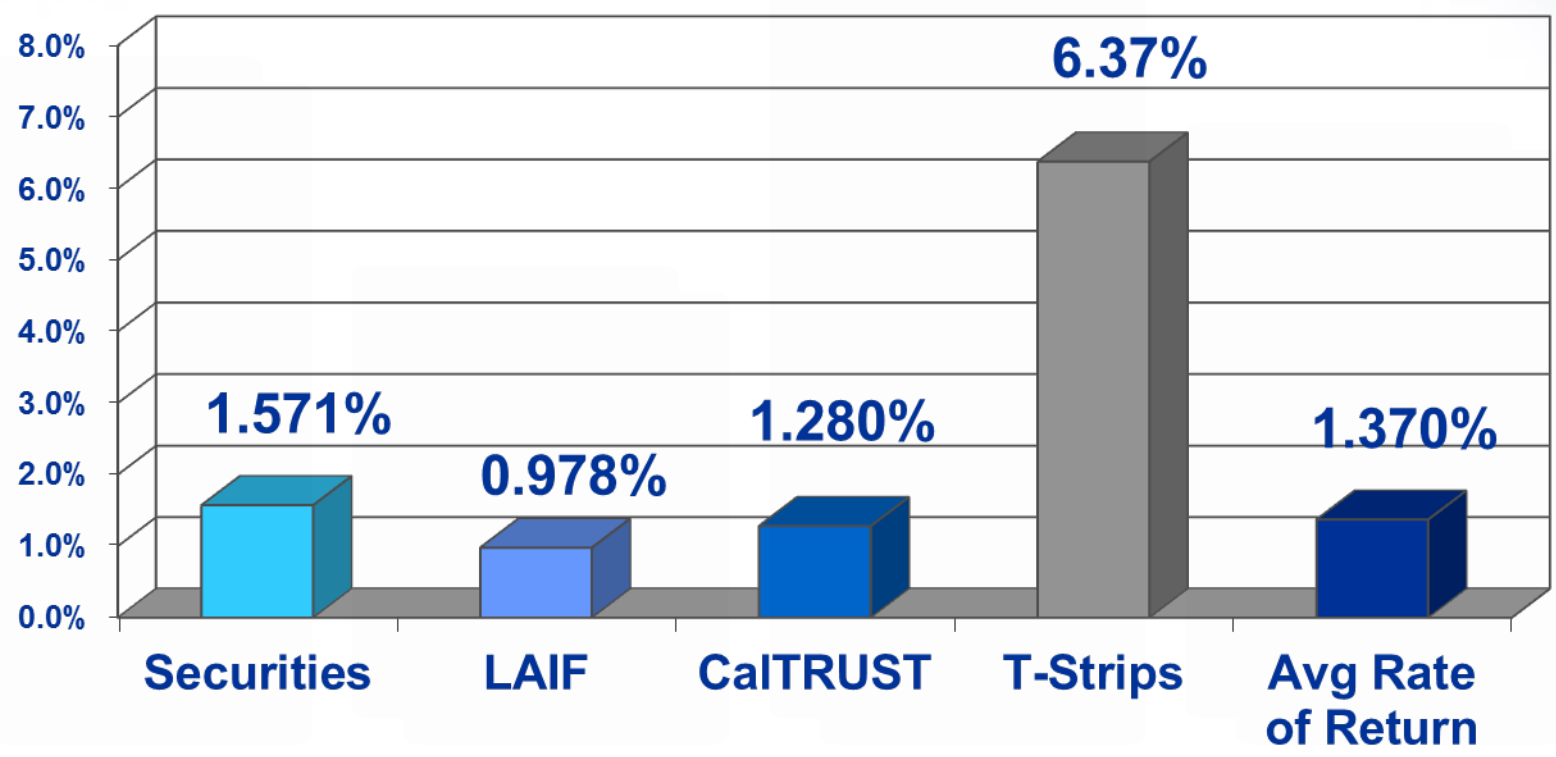
Cash & Investments

\$44,403,606



Cash & Investments

Interest Rate Analysis



Reserve Account Balances

Reserve Account	Balance
Self Insurance	\$3,846,181
Debt Retirement	5,037,279
Pipeline Replacement	13,807,175
OCSD Rehabilitation	7,506,389
Capacity Management	7,851,194
OCSD Future Capacity	1,725,296
Flow Imbalance Reserve	84,608
Operating Reserve	4,545,484
Total Reserves	\$44,403,606

Reserve Account Balances Trends

Reserve	Balance @ 09/30/16	Balance @ 12/31/16	Balance @ 03/31/17	Balance @ 06/30/17
Self Insurance	\$3,748,301	\$3,795,922	\$3,812,588	\$3,846,181
Debt Retirement	5,525,034	5,707,360	5,475,338	5,037,279
Pipeline Replacement	18,908,927	17,850,481	16,155,981	13,807,175
OCSD Rehabilitation	7,087,855	7,281,550	7,364,885	7,506,389
Capacity Mgmt	7,198,787	7,815,783	7,815,783	7,851,194
OCSD Future Capacity	1,714,869	1,721,404	1,721,404	1,725,296
Flow Imbalance Reserve	83,246	83,563	84,418	84,608
Operating Reserve	3,885,301	3,971,781	5,103,311	4,545,484
Total	\$48,152,320	\$48,227,844	\$47,533,708	\$44,403,606

Transfers, Use and Contributions To/From Reserves

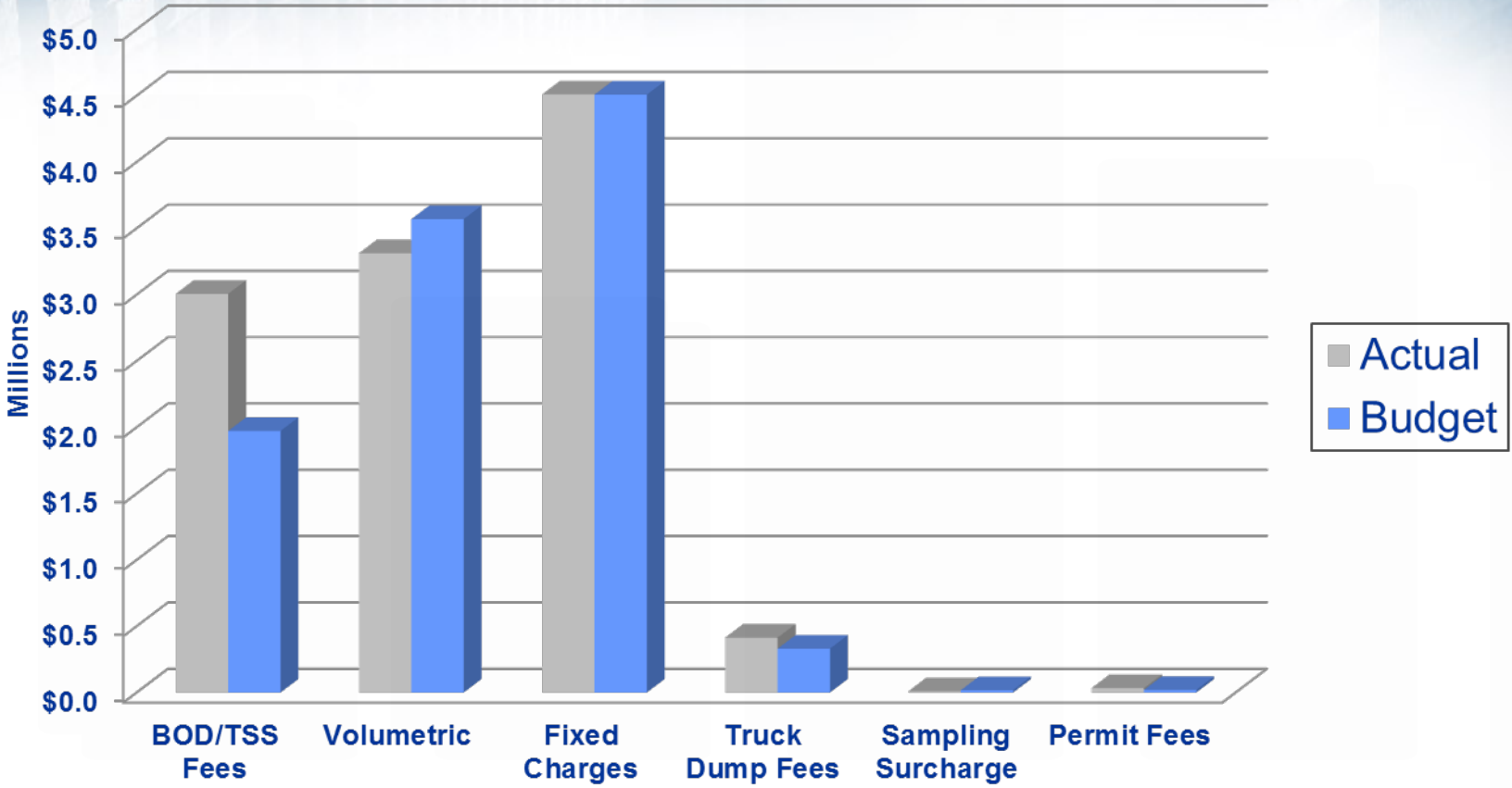
- **Pipeline Replacement Reserve**
 - Contribution of \$1,000,000
 - Use of \$7,263,161 for Capital Projects
- **Capacity Management Reserve**
 - Contribution of \$588,894 (OCFCD loan payment)
- **OCSD Rehabilitation Reserve**
 - Contribution of \$500,000
- **Self Insurance Reserve**
 - Contribution of \$100,000
- **Debt Service Reserve**
 - Contribution of \$508,248
- **Flow Imbalance Reserve**
 - Contribution of \$855

Total Operating Revenues

Source	Actual	Budget	Variance Positive/(Negative)
BOD/TSS Fees	\$3,005,826	\$1,972,250	\$1,033,576
Volumetric Fees	3,311,708	3,569,280	(257,572)
Fixed Charges	4,508,979	4,507,607	1,372
Truck Discharge	413,610	330,750	82,860
Sampling Surcharge	9,379	17,500	(8,121)
Permit Fees	32,900	19,750	13,150
Total Operating Revenues	\$11,282,402	\$10,417,136	\$865,266

Operating Revenues vs. Budget

Budget vs. Actual

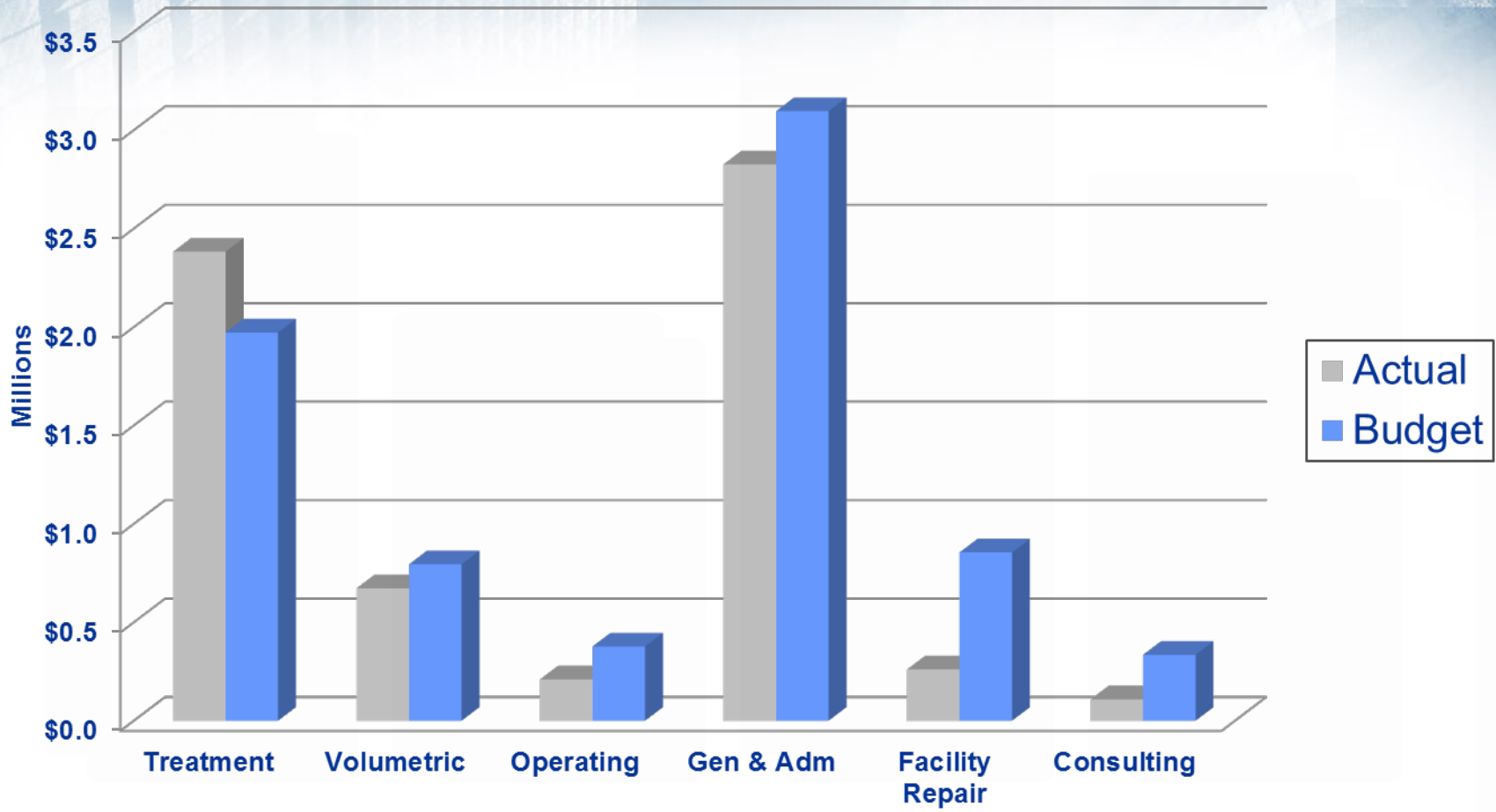


Total Operating Expenses

Source	Actual	Budget	Variance Positive/(Negative)
Treatment Costs	(\$2,382,494)	(\$1,972,250)	(\$410,244)
Volumetric Costs	(672,881)	(794,750)	121,869
Operating Costs	(210,402)	(377,501)	167,099
General & Administration	(2,826,515)	(3,096,449)	269,934
Facility Repair & Maintenance	(260,789)	(855,000)	594,211
Consulting & Professional Services	(108,669)	(335,000)	226,331
Total Operating Expenses	(\$6,461,747)	(\$7,430,950)	\$969,201

Operating Expenses vs. Budget

Budget vs. Actual



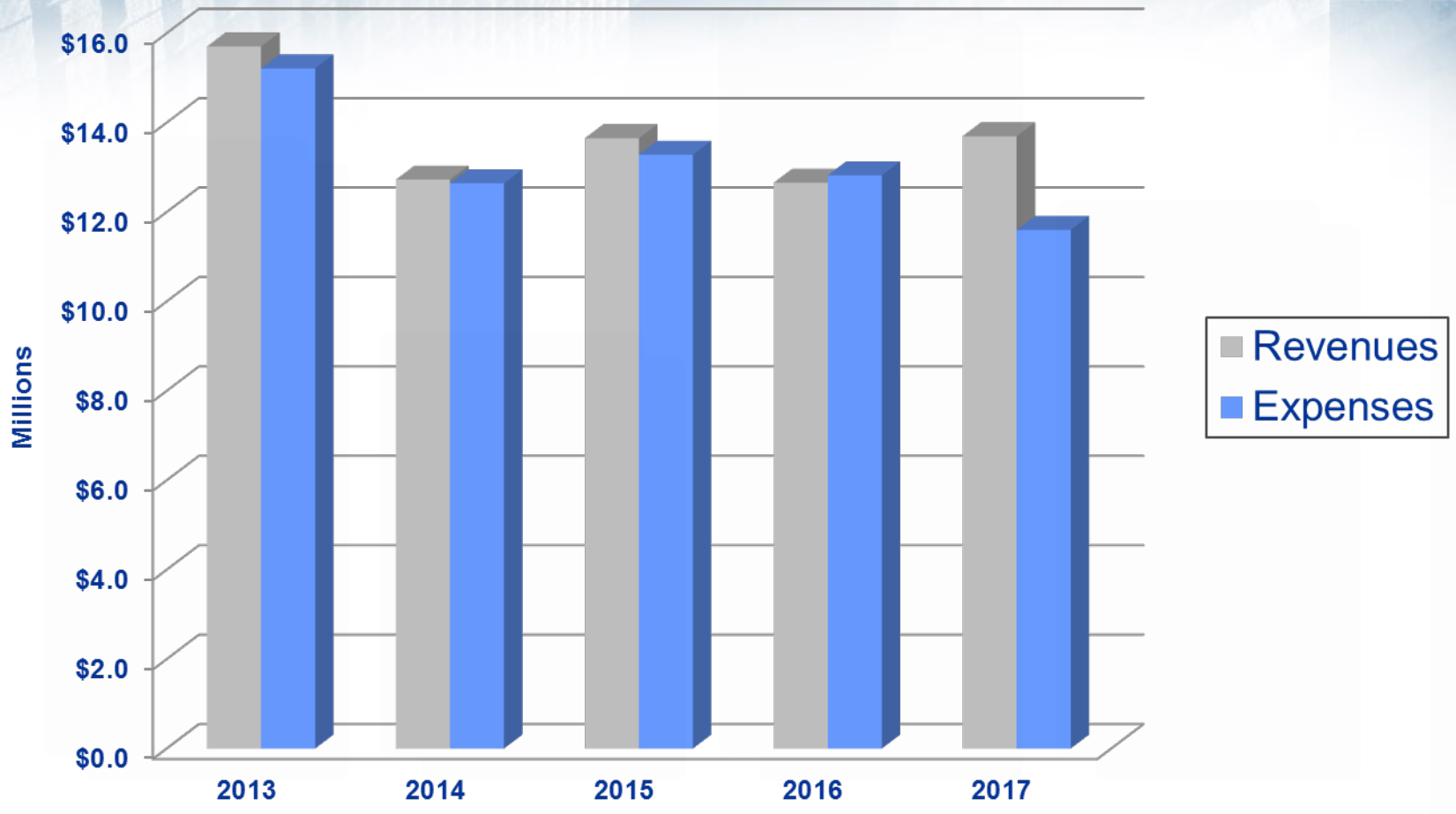
Non Operating Revenues and Expenses

Source	Actual	Budget	Variance Positive/(Negative)
Use of Reserves (Debt Service)	\$271,679	\$271,679	\$0
Interest & Investments	2,140,187	1,878,952	261,235
Debt Service Payments	(3,028,588)	(3,028,588)	0
Contributions to Reserves	(2,108,248)	(2,108,230)	(18)
Total Non Operating	(\$2,724,970)	(\$2,986,187)	\$261,217

5 Year Enterprise Performance

FYE	Revenue	Expense	Net Gain (Loss)
2013	\$15,701,192	(\$15,212,710)	\$488,482
2014	12,725,986	(12,643,340)	82,646
2015	13,649,625	(13,282,163)	367,462
2016	12,654,965	(12,820,740)	(165,775)
2017	13,694,268	(11,598,586)	2,095,684
Total	\$68,426,036	(\$65,557,539)	\$2,868,499

5 Year Enterprise Performance



Enterprise Performance

Flow, BOD, TSS Actual vs. OCSD Billing

	SAWPA Billed	OCSD Billing	Difference
Total Flow (MG)	3,873.569	3,841.30	32.269
Total BOD (1,000 lbs)	1,670.307	1,615.776	54.531
Total TSS (1,000 lbs)	5,065.015	4,984.097	80.918
BOD cost per 1,000 lbs	\$307.00	\$278.14	\$28.86
TSS cost per 1,000 lbs	\$429.00	\$387.85	\$41.15

Enterprise Performance

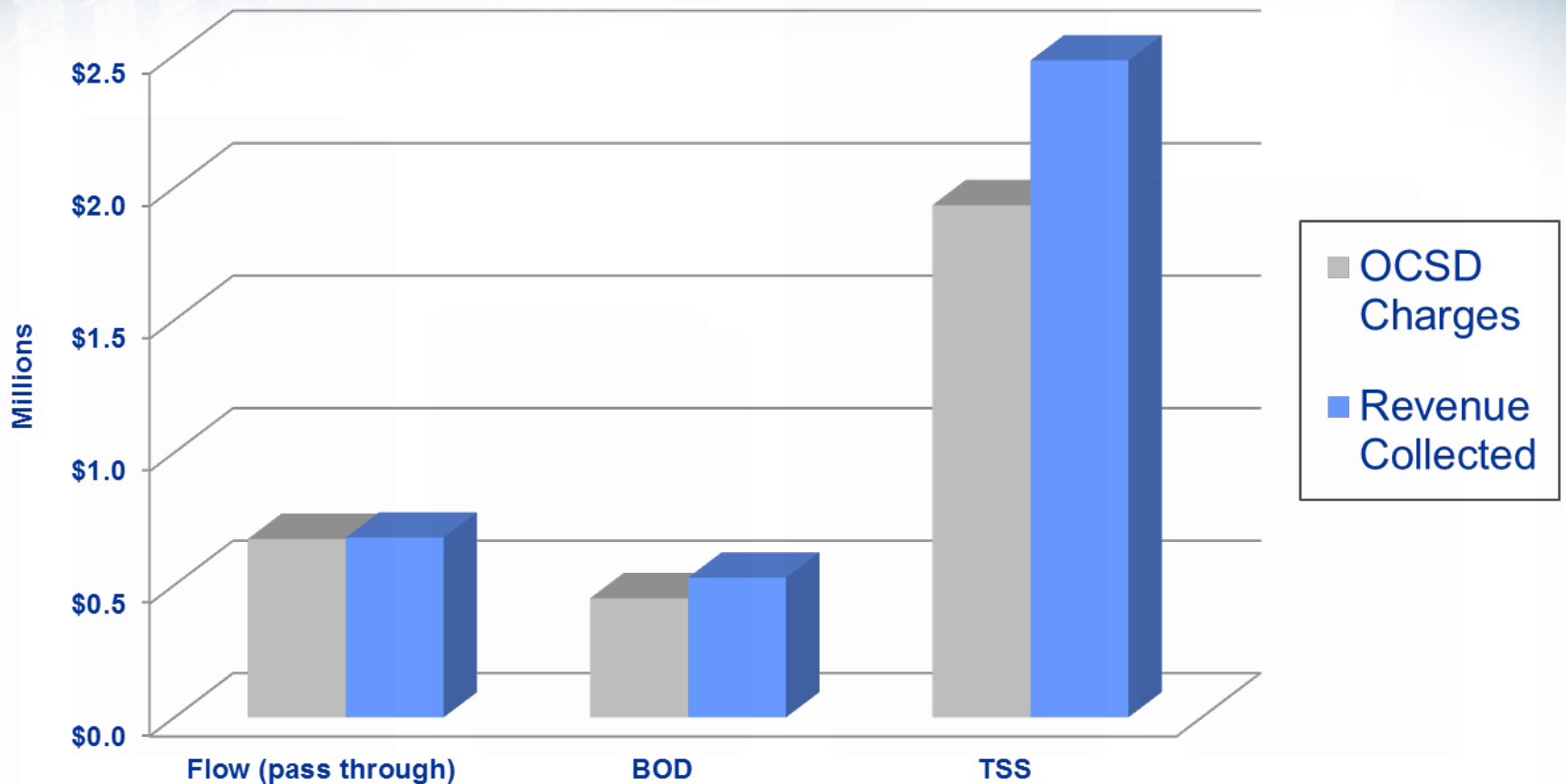
OCSD Flow, BOD & TSS Charges vs. Revenue Billed

	Revenue Billed	OCSD Charges	Difference
Flow (pass through)	\$678,533	\$672,881	\$5,652
BOD	526,989	449,412	77,577
TSS	2,478,838	1,933,082	545,756
TD Allowance	51,355	0	51,355
Total	\$3,735,715	\$3,055,375	\$680,340

The \$680,340 difference almost makes up the loss of \$704,950 from not increasing the imbalance average in FYE 2016.

Enterprise Performance

OCSD Flow, BOD & TSS Charges vs. Revenue Collected



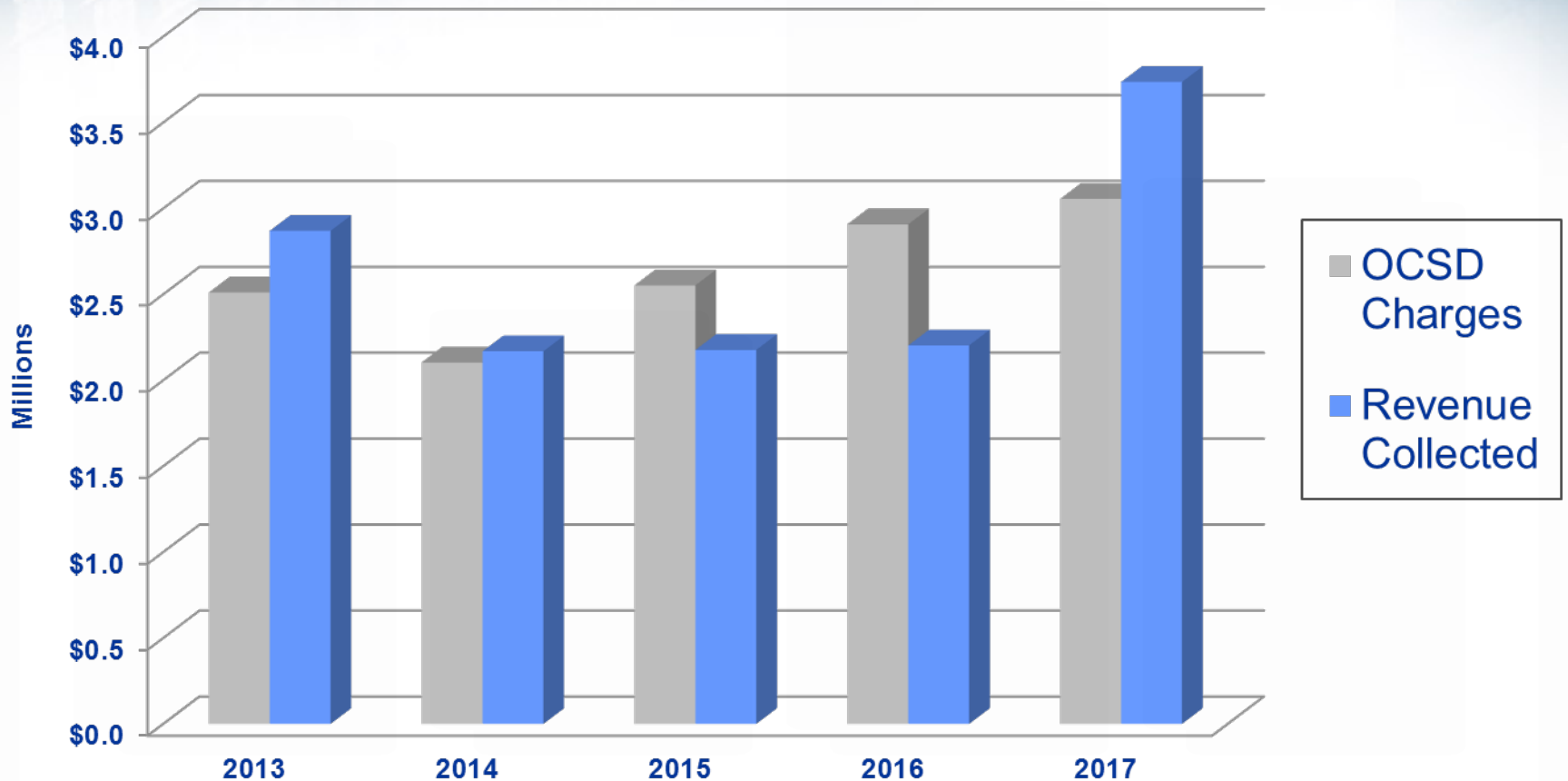
5 Year Enterprise Performance

Flow, BOD & TSS Charges vs. Revenue Billed – Last 5 Years

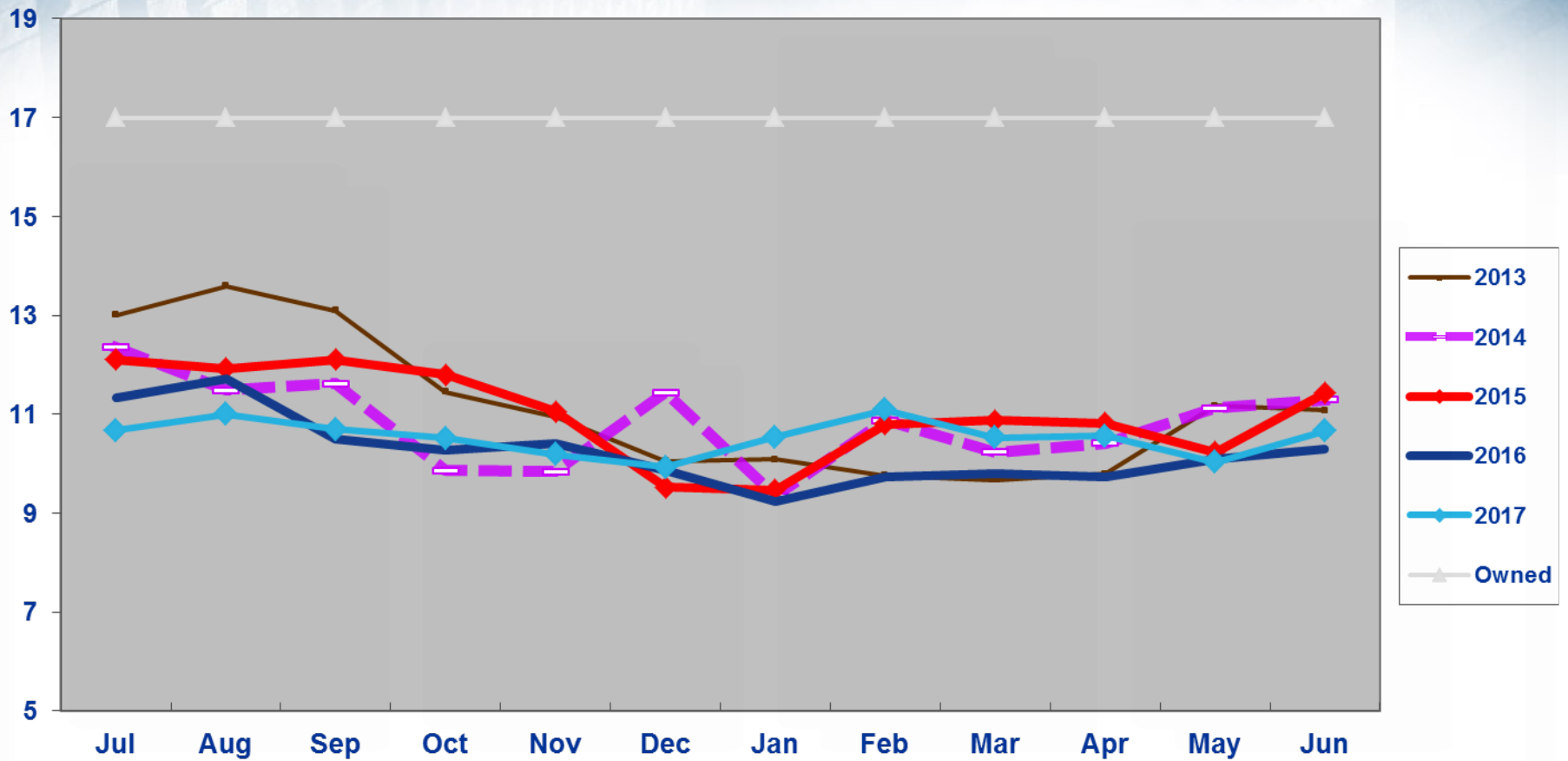
FYE	Revenue Billed	OCSD Charges	Difference
2013	2,869,089	2,510,069	359,020
2014	2,168,351	2,103,499	64,852
2015	2,176,448	2,552,272	(375,824)
2016	2,202,769	2,907,719	(704,950)
2017	3,735,715	3,055,375	680,340
Total	\$13,152,372	\$13,128,934	23,438

5 Year Enterprise Performance

Flow, BOD & TSS Charges vs. Revenue Collected – Last 5 Years

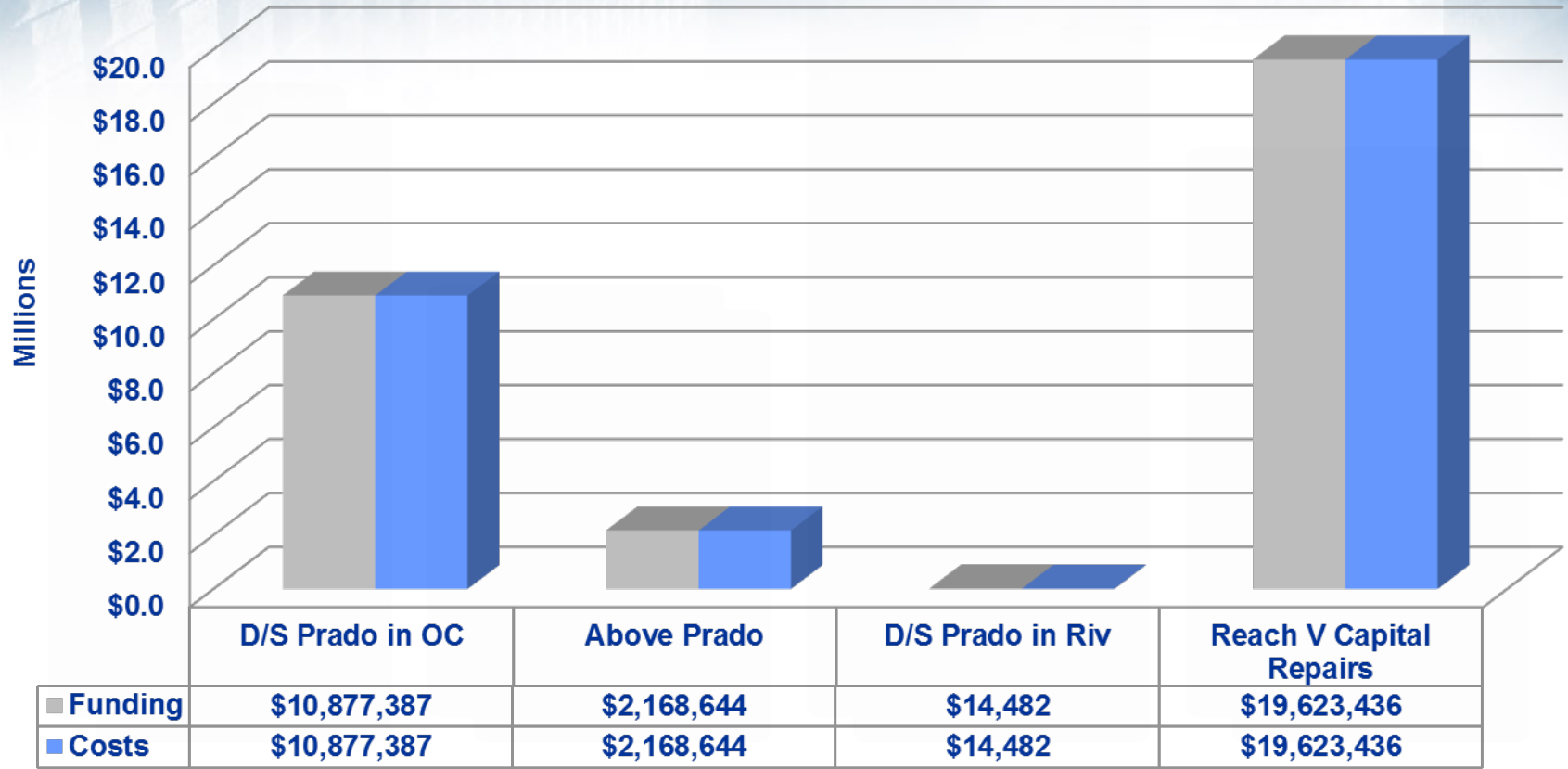


Average Daily Flow by Month



Capital Project Fund

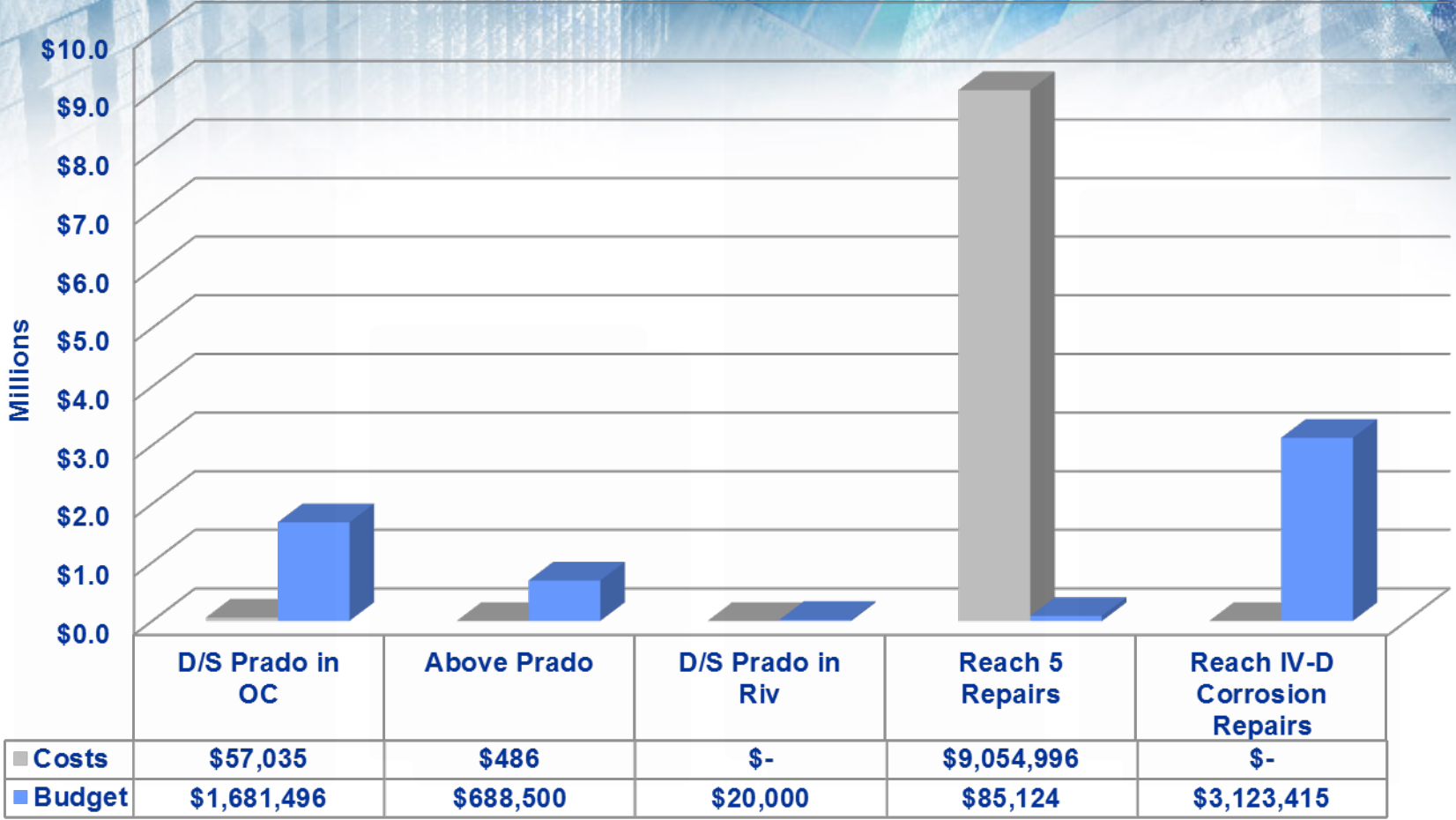
Costs (Project to Date) vs. Funding



Funding = Reserves and SRF Loans

Capital Project Fund

Costs vs. Budget



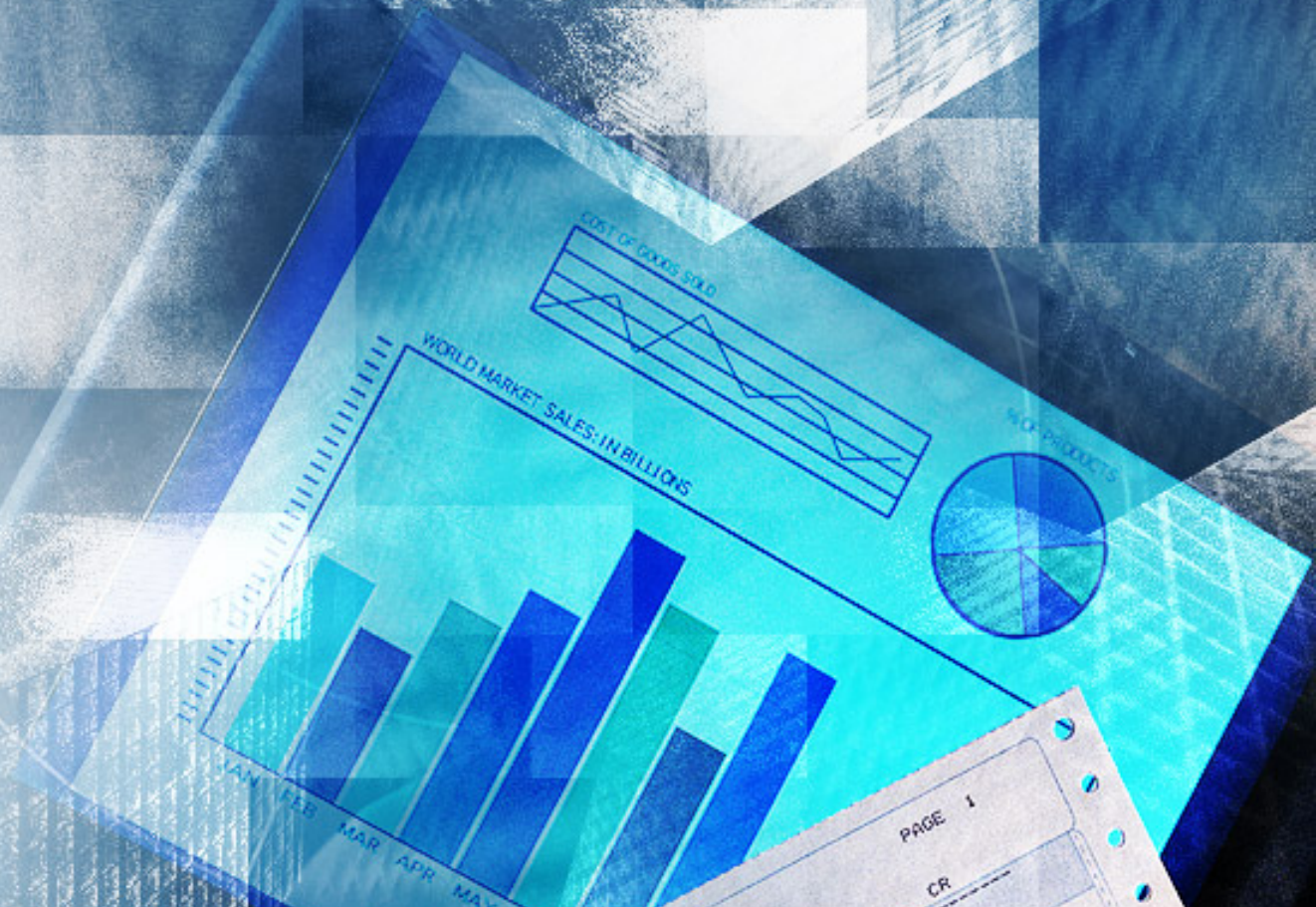
2 Year Capital Budget total is \$20,368,925. Total Capital Project Costs for FYE 2016 and 2017 are \$15,650,255.

Capital Project Fund (320)

Brine Line Protection / Relocation Projects

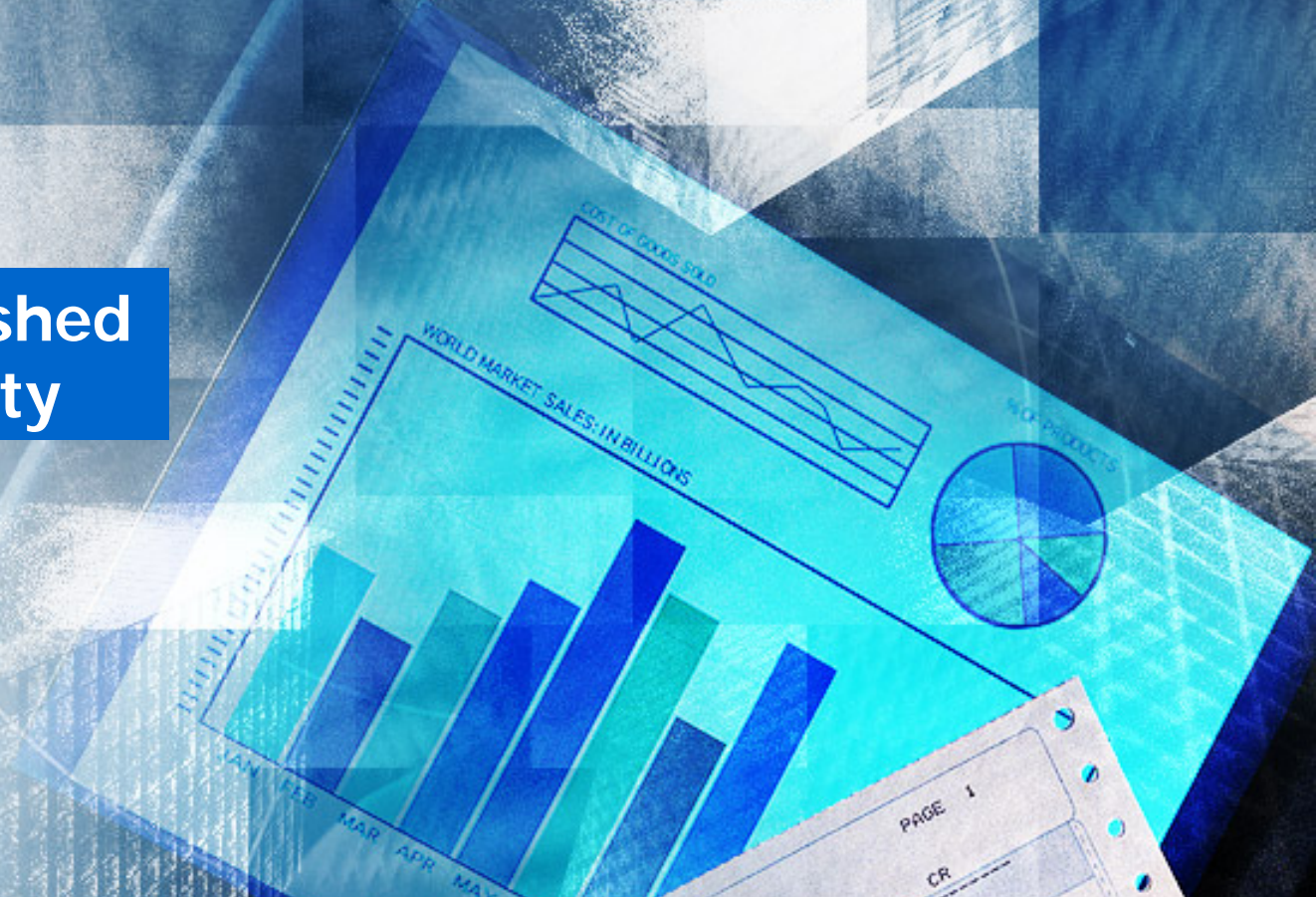
- **D/S Prado in OC – emergency protection work, pipeline relocation**
- **Above Prado - pipeline relocation and manhole lid adjustments – when required**
- **D/S Prado in Riv County – bank armoring**

Questions ?



Santa Ana Watershed Project Authority

Financial Report for the 4th Quarter Ending June 30, 2017



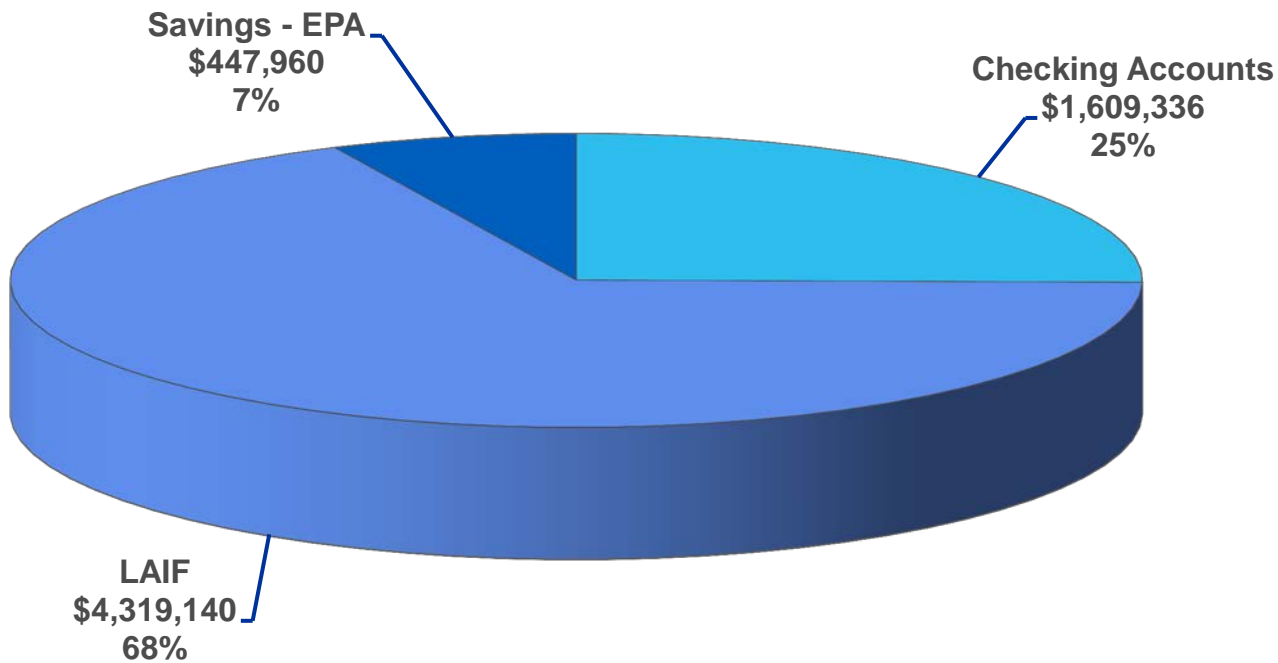
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- **Cash & Investments**
- **Fund Overview**
- **General Fund**
- **OWOW Funds**
- **Roundtable Funds**

Cash & Investments

\$6,376,436



Cash & Investments

Total by Fund

General Fund	\$3,255,816
OWOW Fund	721,027
Roundtable Fund	1,951,633
Fiduciary Fund	447,960
Total	\$6,376,436

Cash & Investments

General Funds

Fund	Checking (Cash)	LAIF Account	Total
General Fund	\$1,609,336	\$797,834	\$2,407,170
Building Reserve	0	818,646	818,646
Total	\$1,609,336	\$1,616,480	\$3,225,816

Cash & Investments

OWOW Funds

Fund	LAIF Account	Total
General Basin Planning	\$56,391	\$56,391
USBR Partnership Studies	21,708	21,708
Watershed Mgmt Plan	38,171	38,171
Water – Energy DAC Grant	604,757	604,757
Total	\$721,027	\$721,027

Cash & Investments

Roundtable Funds

Fund	LAIF Account	Total
Imported Water Recharge	\$11,652	\$11,652
Basin Monitoring	370,641	370,641
RWQ Monitoring TF	86,459	86,459
SAR Fish Conservation	231,757	231,757
Middle SAR TMDL TF	206,591	206,591
Emerging Constituents TF	86,444	86,444
Mitigation Banking	958,089	958,089
Total	\$1,951,633	\$1,951,633

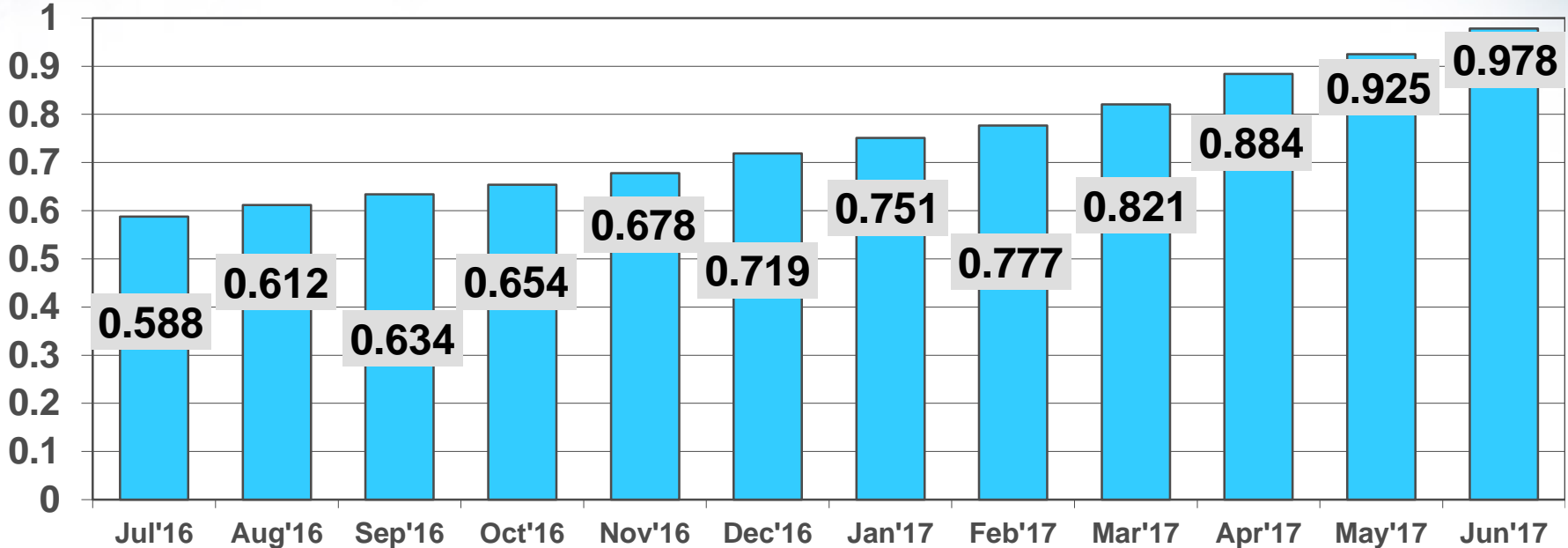
Cash & Investments

Fiduciary Funds

Fund	LAIF Account	Savings EPA	Total
Legal Defense Fund	\$0	\$447,960	\$447,960
Total	\$0	\$447,960	\$447,960

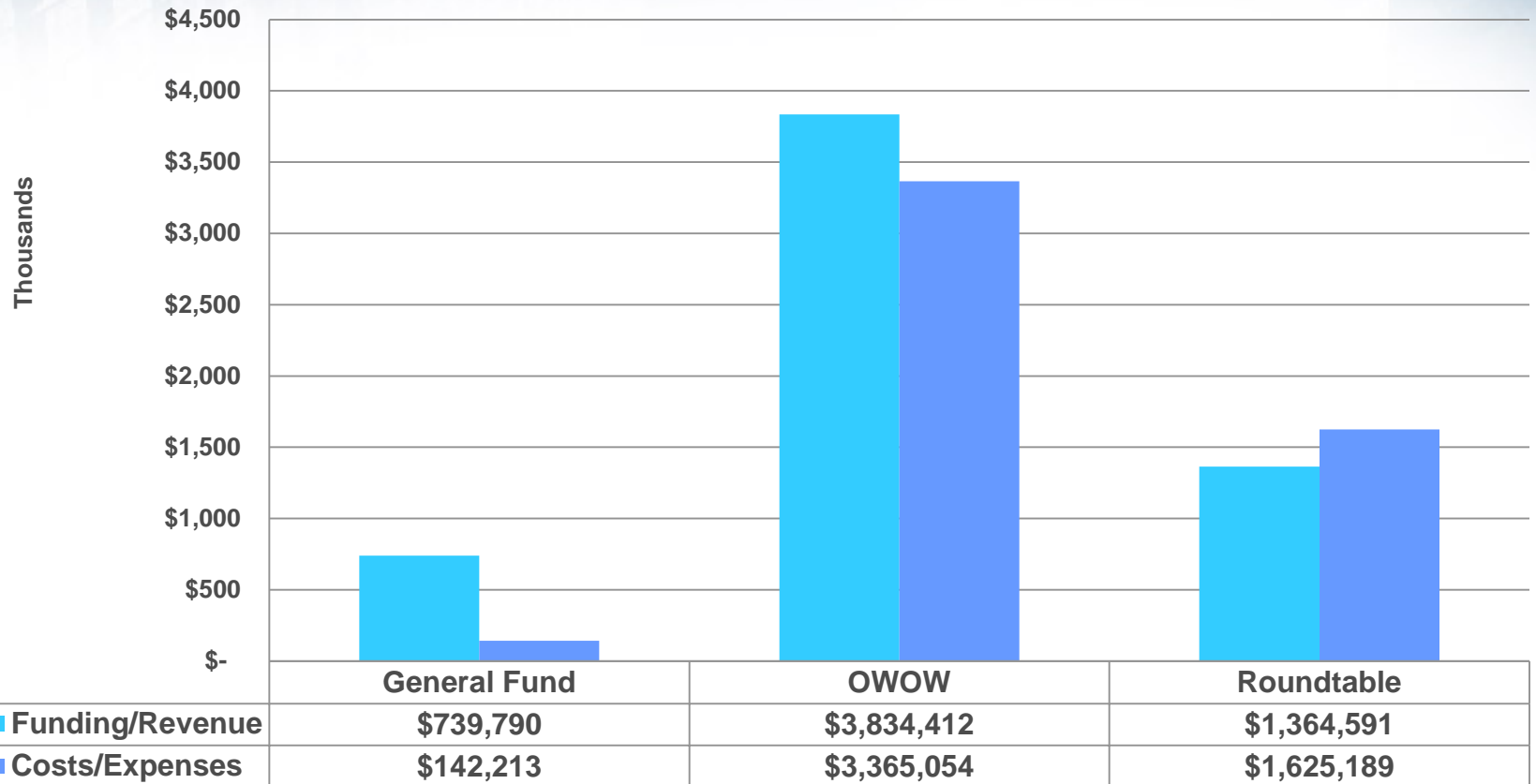
Cash & Investments

LAIF Interest Rates



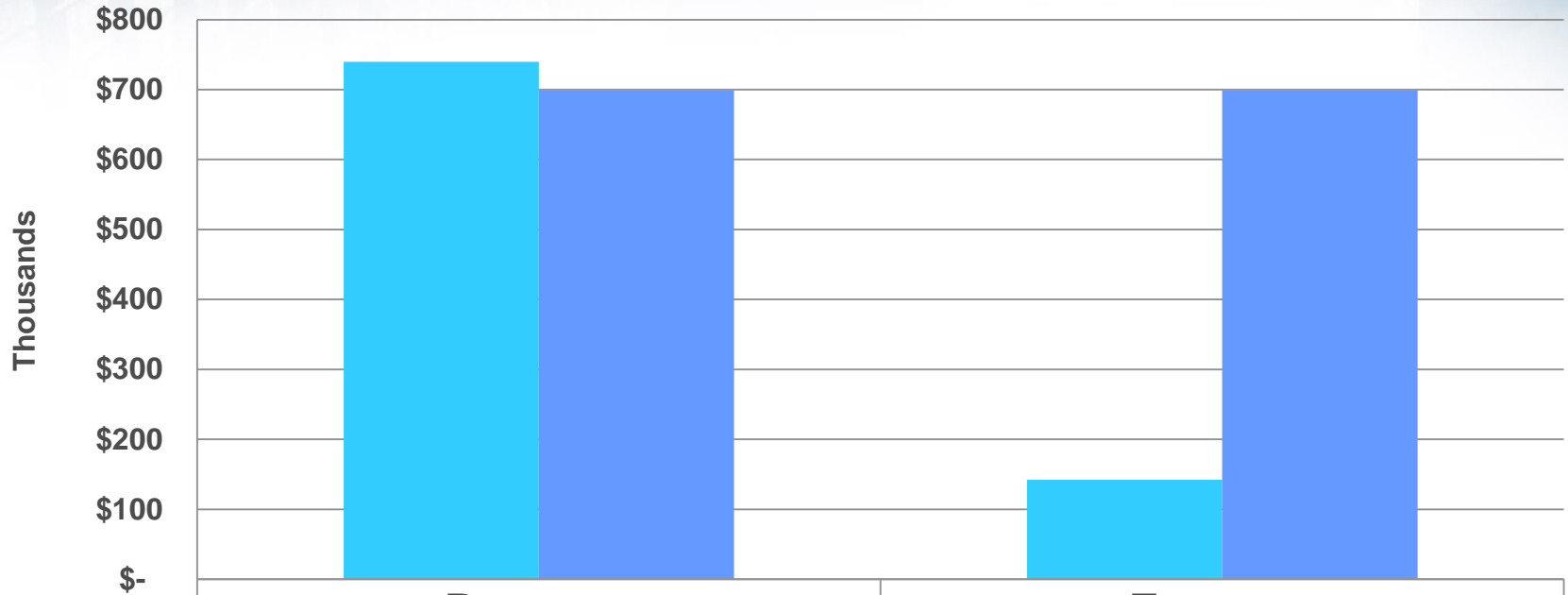
Analysis by Fund Type

Revenues and Expenses



General Fund

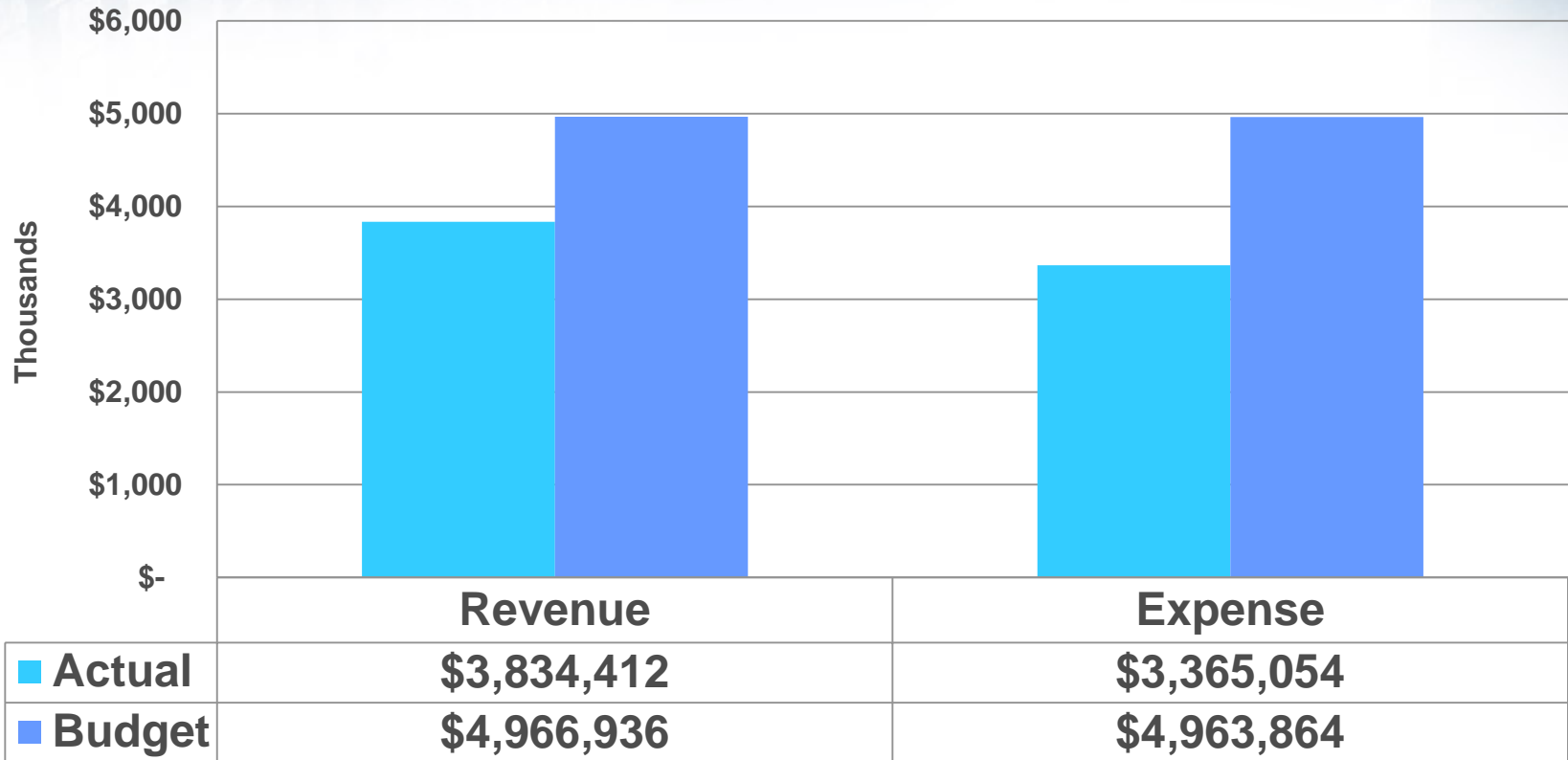
Budget vs. Actual



	Revenue	Expense
Actual	\$739,790	\$142,213
Budget	\$699,307	\$699,307

OWOW Funds

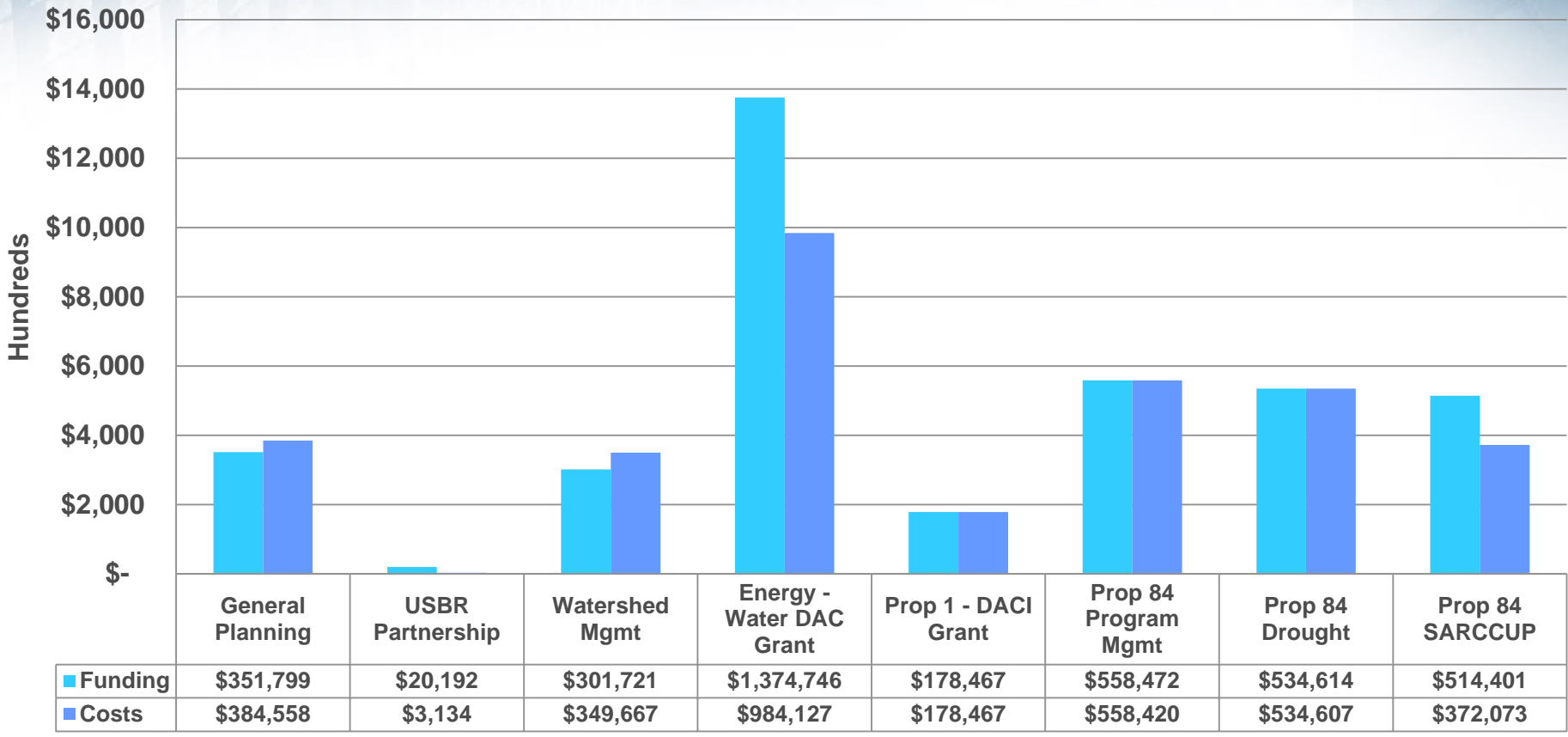
Budget vs. Actual



Project Reimbursement (Prop 84) \$2,599,584

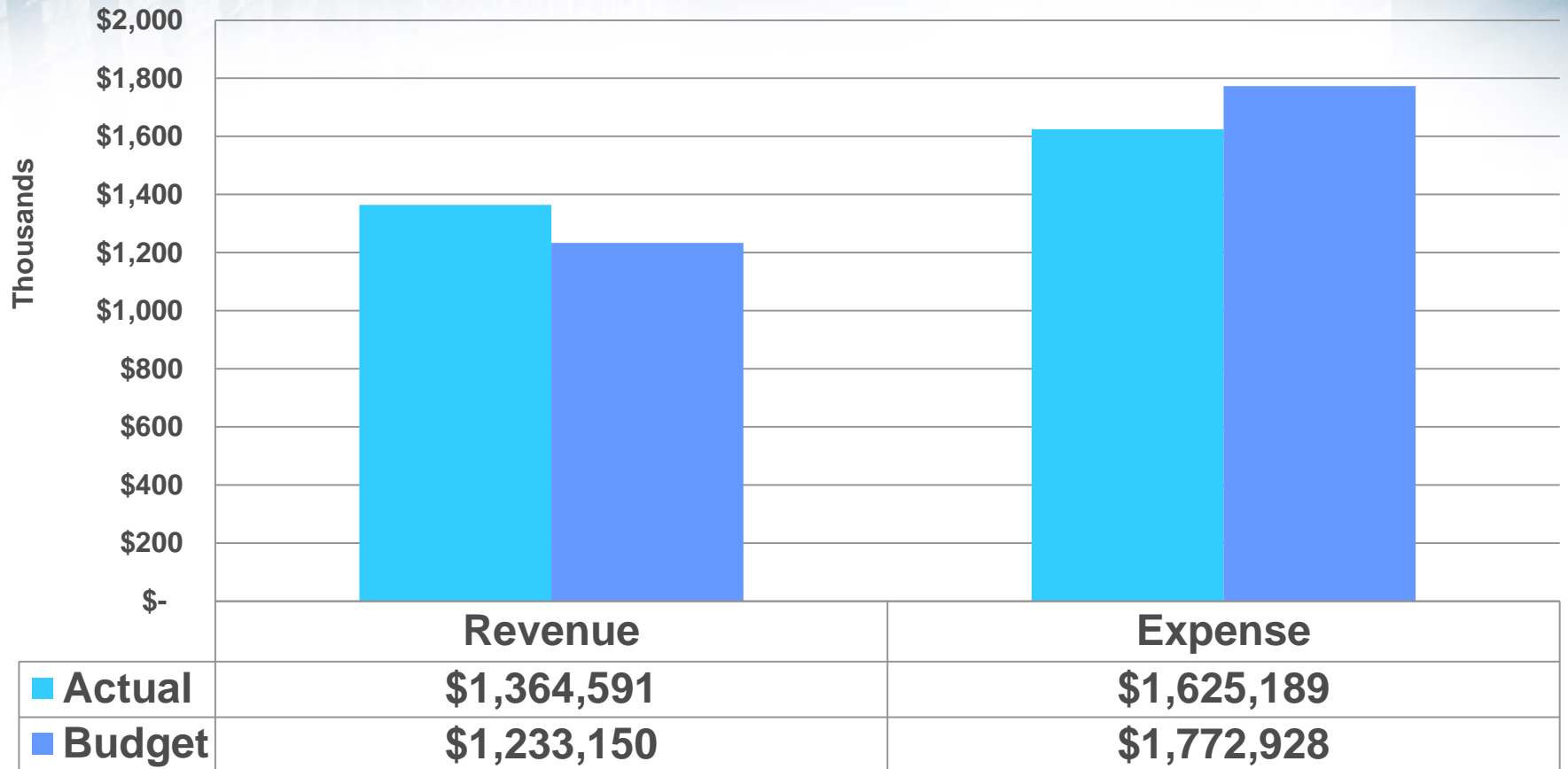
OWOW Funds

Costs vs. Funding



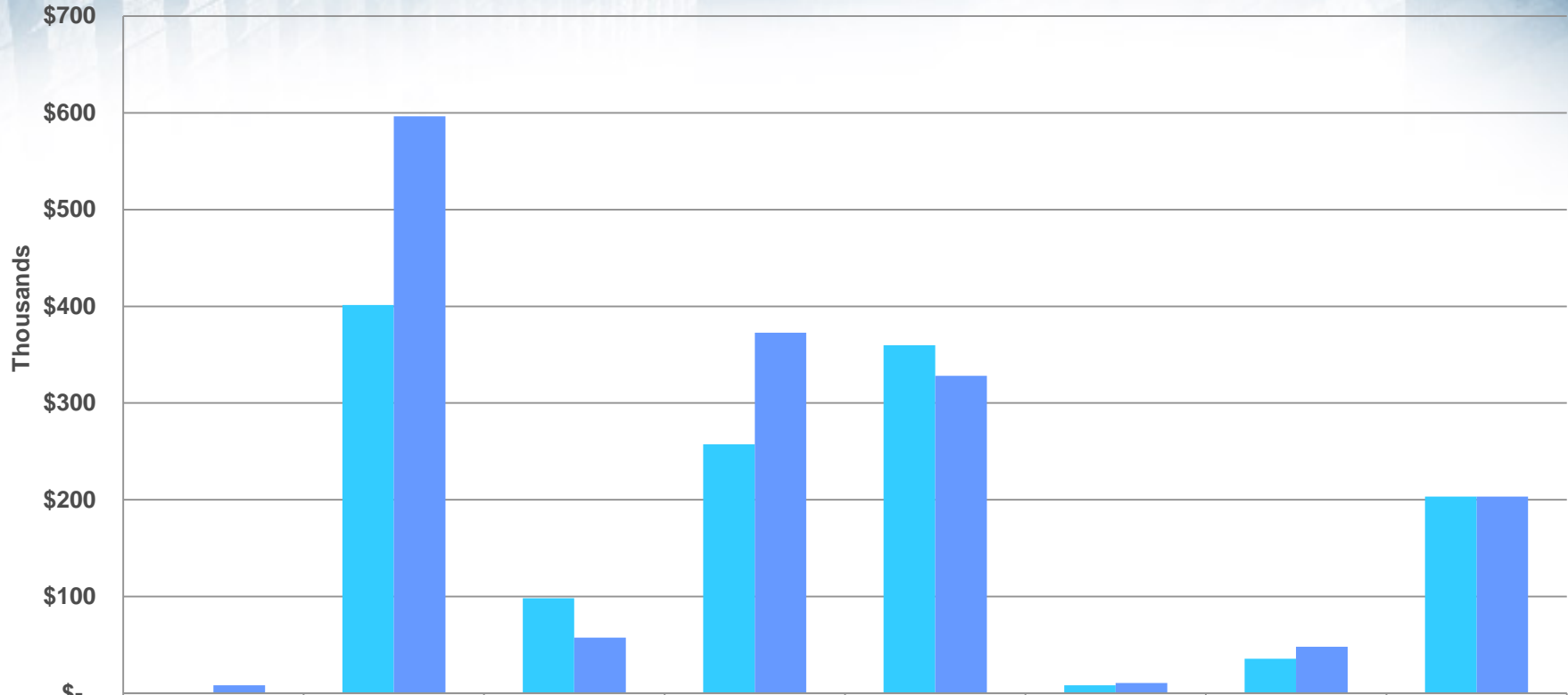
Roundtable Funds

Budget vs. Actual



Roundtable Funds

Costs vs. Funding



	Imported Water Recharge	Basin Monitoring	SAR Fish Conservation	Middle SAR TMDL TF	RWQ Monitoring TF	Arundo Removal	Emerging Constituents	LESJWA Admin
Funding	\$131	\$401,372	\$98,354	\$257,422	\$359,806	\$8,339	\$35,904	\$203,263
Costs	\$8,461	\$596,333	\$57,557	\$372,806	\$328,086	\$10,586	\$48,097	\$203,263

Questions ?



Project Update

SAWPA Commission
September 19, 2017



Ian Achimore
Senior Watershed Manager
Santa Ana Watershed Project Authority



Santa Ana Sucker and Project Overview

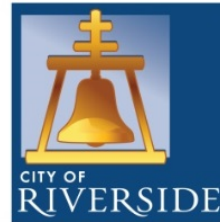
- Listed under the Endangered Species Act in 2000
- “The most pressing threat is the lack of suitable habitat” U.S. Fish and Wildlife Service, 2014
- Sucker’s habitat includes rock and cobble
- Project seeks to expose rock beneath sandy river bottom



SAWPA Roundtable

Team

Members:



City of Arts & Innovation



Team Description:

Determine reasons for the decline of the Sucker in the Watershed, and devise strategies for its recovery.

Team Benefits:

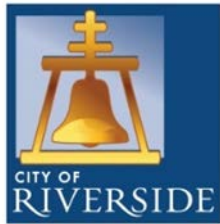
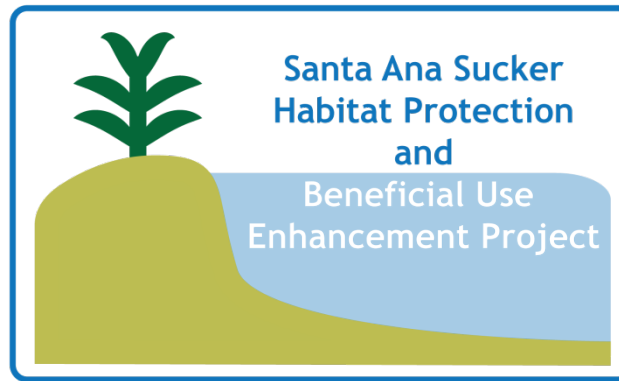
Receive grant funding regulated entities not eligible to receive.

Team projects improve baseline of species.



Conservation Team

Funding



City of Arts & Innovation



Conservation Team

Critical Success Factors for Project

Report and use results of roundtable's work, **leverage** information and involvement for the benefit of SAWPA, its members, and other stakeholders.



Conservation Team

Project Schedule

- Fall/Winter 2017 – CEQA documents to SAWPA Commission for approval
- Summer 2018 – Public works bid process
- Fall 2018 – Construct project



Project Partner

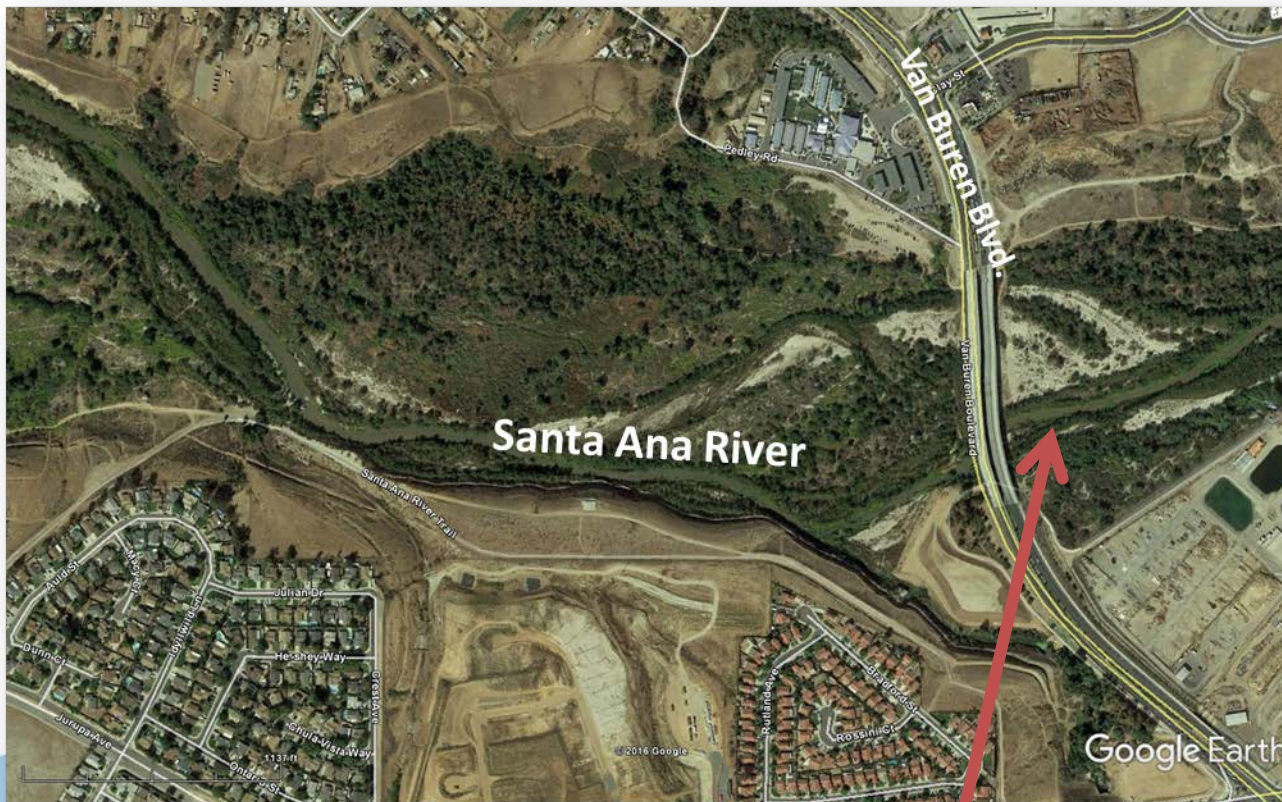


Conservation Team

Project Area



- Land owned by Riverside County Parks
- Access for heavy equipment near Van Buren Boulevard



Project Location



Conservation Team



Santa Ana Sucker Fish Habitat Projects in the Santa Ana River Watershed

Other Habitat Projects



IS-15

Jurupa Valley

SR-60


Santa Ana River

Norco

SR-91



Legend

-  RCRCD In Lieu Fee Area (Habitat Restoration)
-  Tequesquite Creek Project (Habitat Restoration)
-  SA Sucker Conservation Team Project (Rock Habitat) -Proposed-
-  Upper SAR HCP Project (SARCCUP Creek Restoration) -Proposed-
-  Sunnyslope Creek Project (Habitat Restoration)
-  OCWD Gabions Project (Rock Habitat)



CEQA and Project Design

- Conducting Initial Study and Mitigated Negative Declaration
- OCWD's project experience
- Meeting with Department of Fish and Game



Project Schedule

- Fall/Winter 2017 – CEQA documents to SAWPA Commission for approval
- Summer 2018 – Public works bid process
- Fall 2018 – Construct project



Conservation Team

Recommendation

Receive and file.



Conservation Team

CEQA Process

- Is it a project?
- Is it exempt?
- Initial Study – Is there evidence of a fair argument that significant effects may results?
 - No = Mitigated Negative Declaration
 - Yes = Environmental Impact Report



Conservation Team