

Update on SAWPA Ordinance Revisions

April 18, 2017

Background

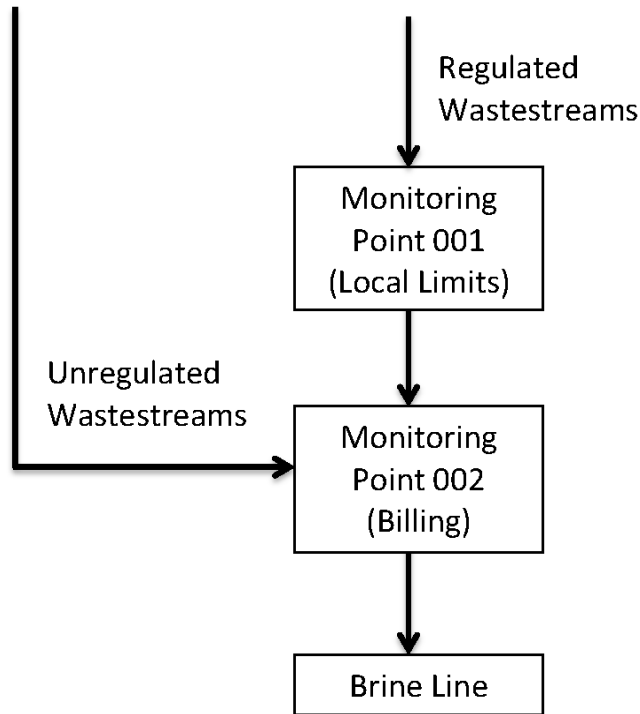
- Orange County Sanitation District has completed the process of updating and revising their Sewer Use Ordinance.
- SAWPA is required to update their Ordinance to include the relevant OCSD revisions.

Proposed Ordinance Updates

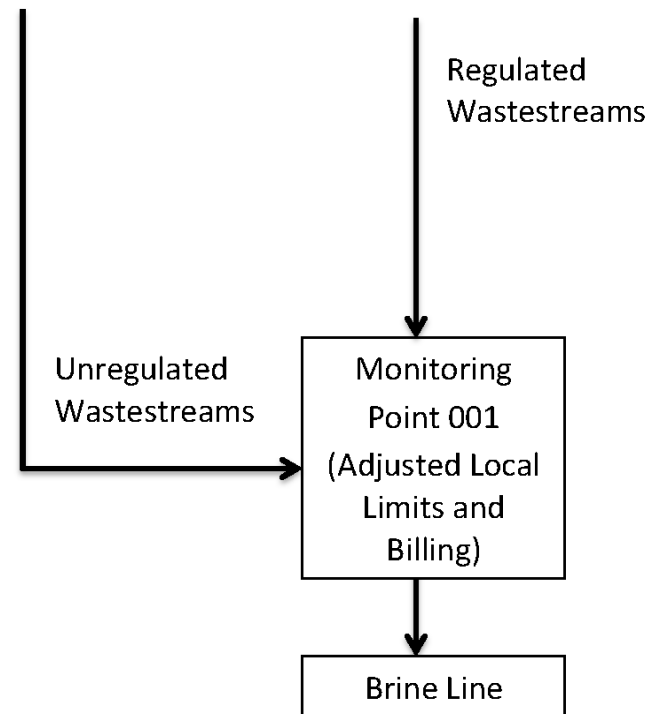
Issue	Change/Amendment
Permit Terms:	<p>The maximum duration for permits have been changed.</p> <ul style="list-style-type: none">• Significant and Categorical Industrial User increased to 4 years.• Industrial User and Special Purpose Discharge Permits increased to 5 years.• Wastehauler Discharge Permits increased to 3 years.
Enforcement Response Schedules:	<p>Reporting and response schedules have been defined for mechanisms of compliance.</p>
Permit Transfers:	<p>Ordinance language has been strengthened to prohibit permit transfers.</p>
Unregulated Wastestream Correction Formula:	<p>Clarification of the formula used to adjust the Local Limits to account for the presence of unregulated wastestreams.</p>

Applicability of Formula

Standard



Adjusted via Formula



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 (Tentative)

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
To be Scheduled	Workshop with OCSD to review draft
	OCSD Review complete (Anticipate 1 month review)
10 Days after Review Complete	Incorporate comments, agency review, draft 4 (SAWPA)
5 Days after Draft 4	Release draft Ordinance for public review
Prior to Public Hearing	Workshop with dischargers
45 Days after Public Release	Public Hearing before Commission, possible adoption

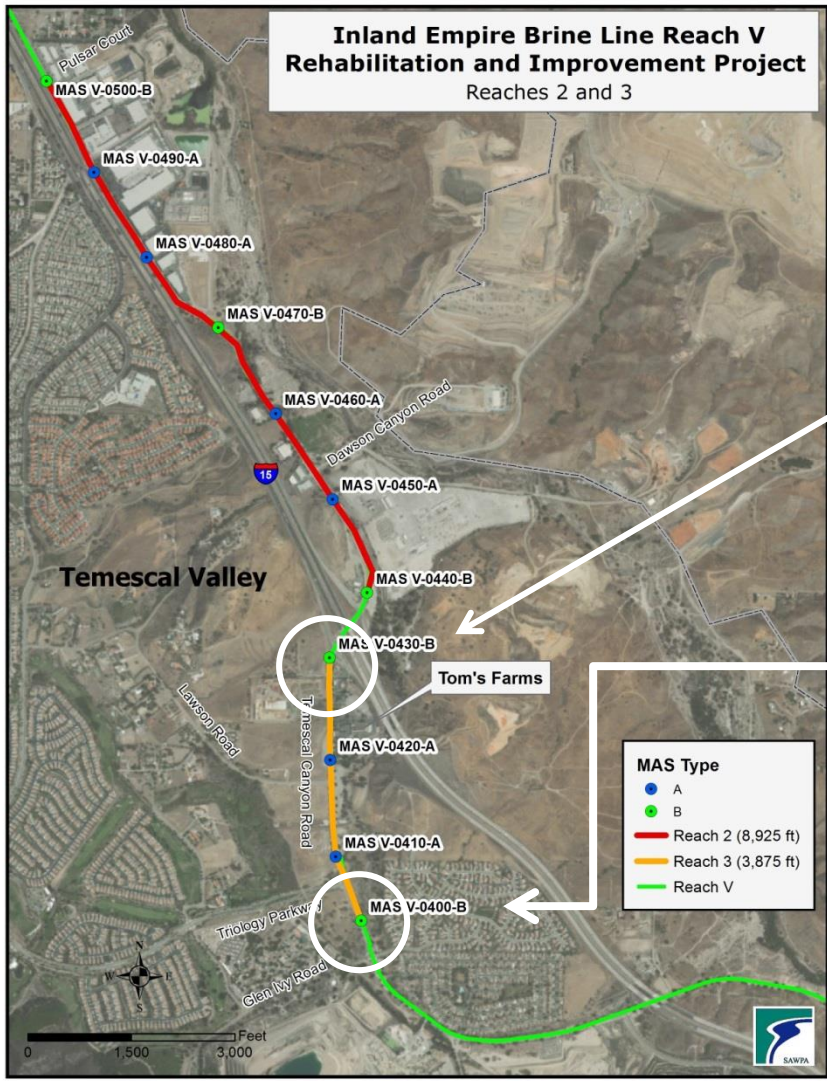


Questions

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

Item 6.C

April 18, 2017

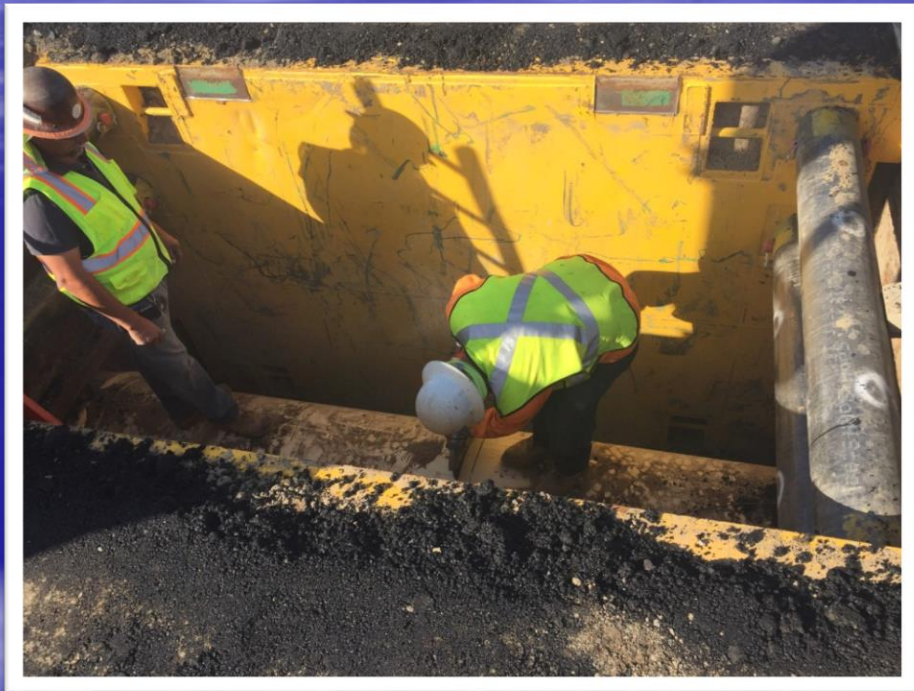




Drain Siphons



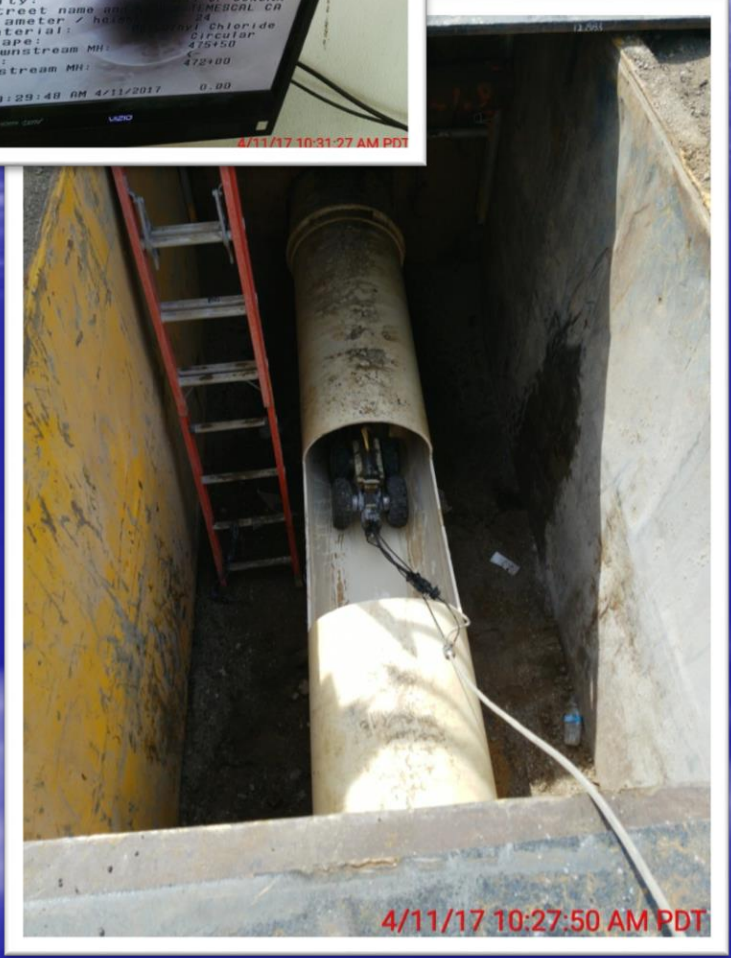
Construct Access Pits



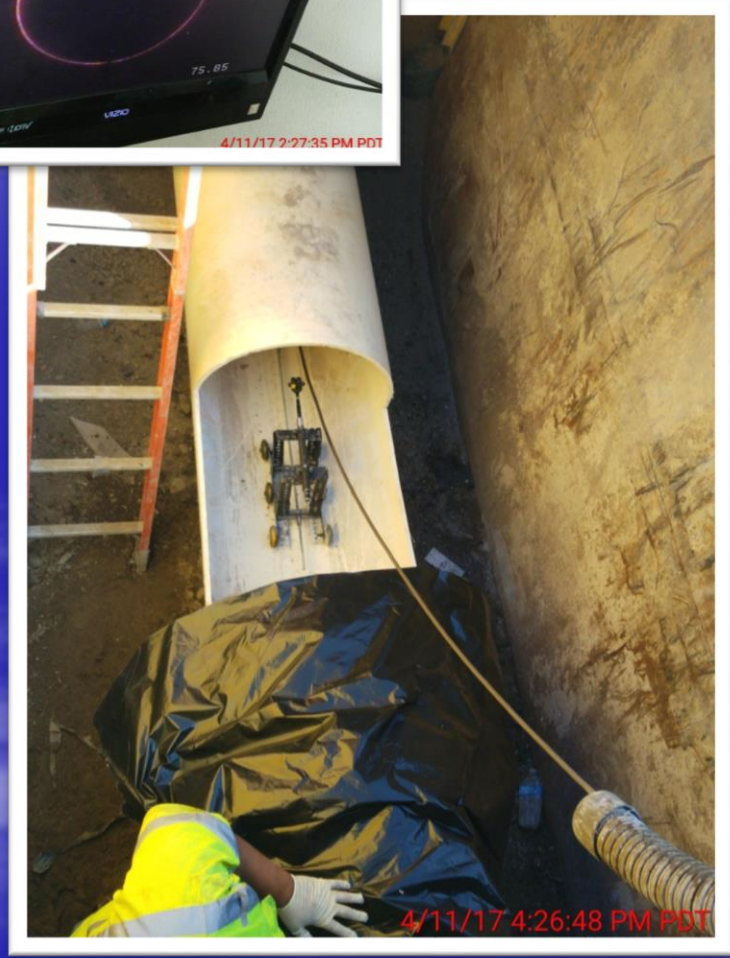
Cut PVC Pipe for Access



Clean inside Pipe



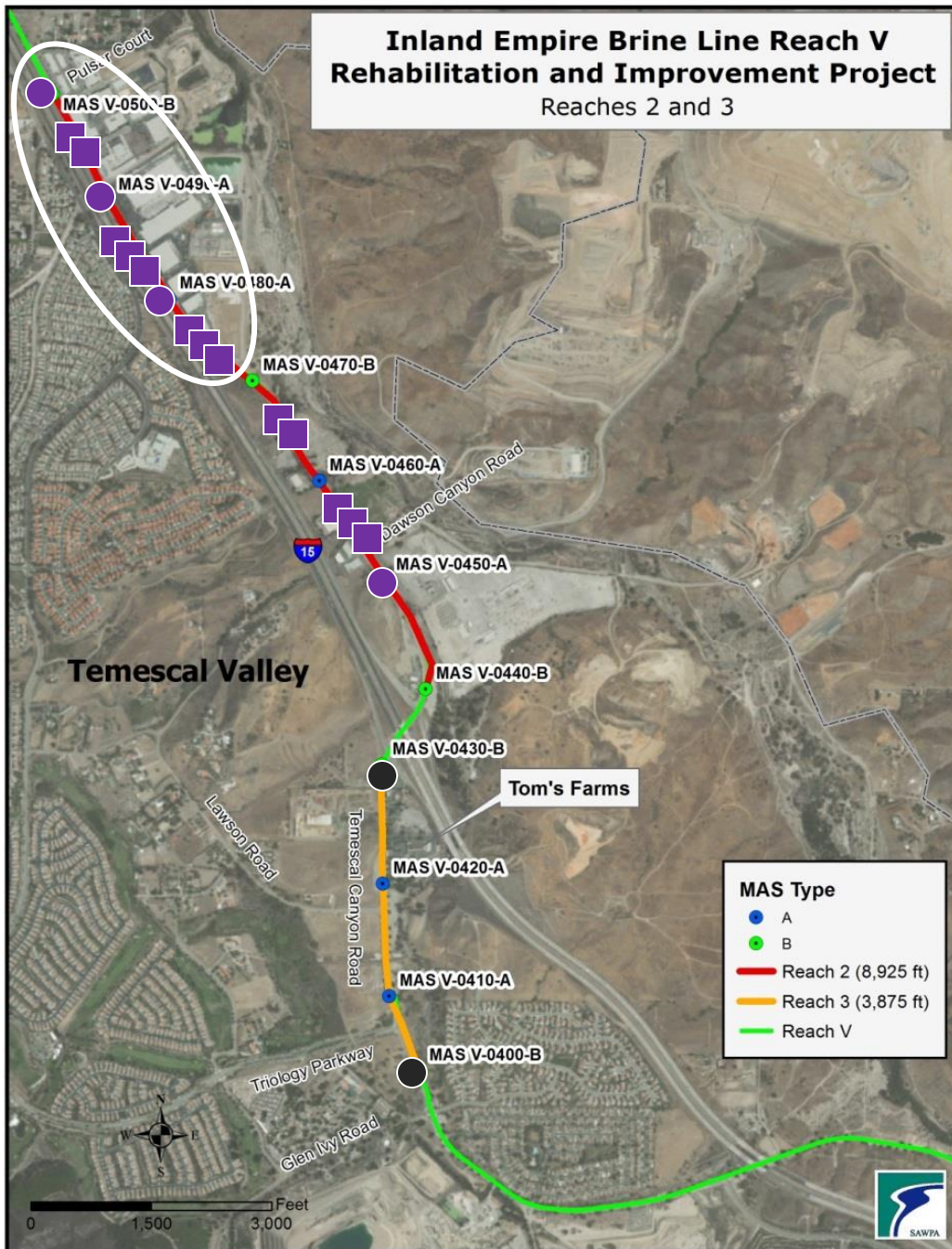
CCTV Inspection



Laser Profiling

Inland Empire Brine Line Reach V Rehabilitation and Improvement Project

Reaches 2 and 3

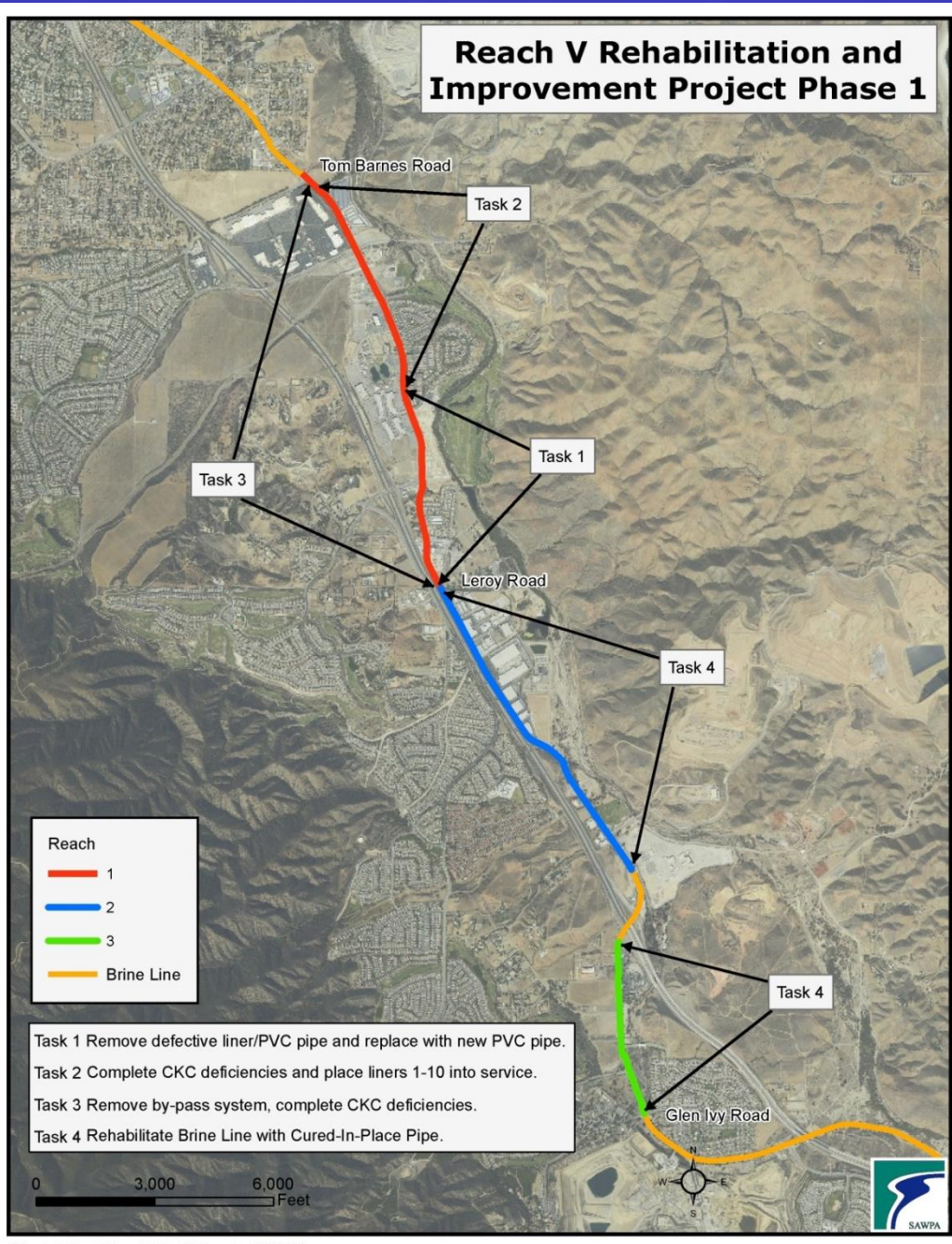


Work Completed

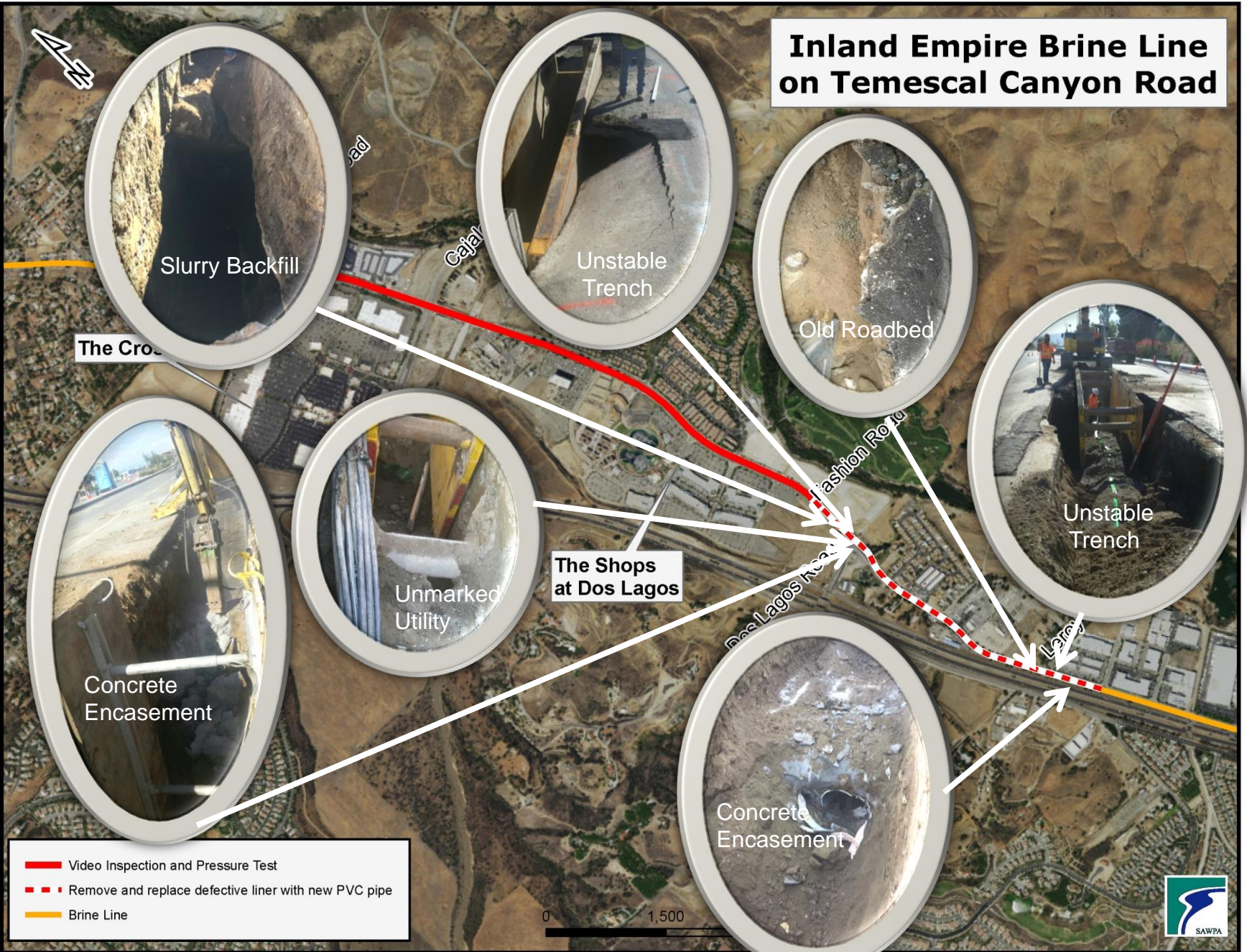
- By-pass System
 - 13,200 ft (100%)
- Maintenance Access Structures
 - 2 (22%)
- Access Pits
 - 17 (45%)
- Line Cleaning
 - 4,060 ft. (32%)
- CCTV
 - 4,060 ft. (32%)
- Laser Profiling
 - 4,060 ft. (32%)

Questions?

Reach V Rehabilitation and Improvement Project Phase 1



Inland Empire Brine Line on Temescal Canyon Road



Public Outreach

- Project Update Brochures
- Construction Hotline
- Construction E-mail address
- Posting to We R Temescal Valley Facebook Page
- Project Website

The brochure features the SAWPA logo (a stylized blue and green wave) and the Inland Empire Brine Line logo (a blue silhouette of a city skyline with the text 'INLAND EMPIRE BRINELINE'). The main title is 'PIPELINE PROJECT UPDATE'. The content is organized into three sections: 'WHAT'S NEW AND WHY', 'WHAT IT MEANS TO YOU', and 'PROCESS AND TIMELINE'. A 'Project Overview' section is also present, providing context about the project's goal to test, fortify, and/or replace 5 miles of the Brine Line. Two photographs show construction sites with heavy machinery and workers on the ground.

PIPELINE PROJECT UPDATE

► **WHAT'S NEW AND WHY**

The contractor upgrading the Brine Line, WEKA Inc. of Highland, CA, is operating work crews at full staffing, maximizing production and efficiency on the project. In addition, repaving a segment of Temescal Canyon Road in Corona is scheduled to start on Friday, 11/4, and continue into early next week.

► **WHAT IT MEANS TO YOU**

WEKA will replace the temporary asphalt on Temescal Canyon Road near Fashion Drive – restoring a smooth driving surface on a portion of the roadway disturbed by work on the Brine Line. Final resurfacing will follow later. Generally, construction may slow traffic between Tom Barnes Street and Leroy Drive, 9 AM to 5 PM.

► **PROCESS AND TIMELINE**

The project remains fast tracked, reducing inconvenience while ensuring high-caliber work on the pipeline. The upgrades in Corona may be finished as soon as the end of November, with other areas in Phase 1 completed in early 2017. Write to us at construction@sawpa.org.

Project Overview

SAWPA is working to test, fortify and/or replace 5 miles of the Brine Line, an underground pipeline that conveys salty water from the Inland Empire to the Pacific Ocean. The brackish water comes from key sectors of the Inland economy, including power plants, manufacturers, and groundwater desalters that produce large volumes of drinking water.

The project calls for placing new pipes within older pipes which have lost their shape over time. With loss of shape comes increased risk of spills, and the upgrades follow a 2011 Brine Line leak that was remediated. Water from the Brine Line poses no health risk but, if left untreated, could damage the local environment.

Santa Ana Watershed Project Authority
Inland Empire Brine Line
11615 Sterling Avenue
Riverside, CA 92503

Tell us what you think.
Hotline: 951.354.4250
Email: construction@sawpa.org
For updates: www.sawpa.org/brineline

WMWD La Sierra Project Right-of-Entry

SAWPA Commission
Item 6.D.

April 18, 2017

La Sierra Pipeline - ROE

Recommendation to Commission:

- Authorize the General Manager to issue a right-of-entry to W.A. Rasic for the installation of two (2) pipelines through the SAWPA parking lot as part of the Western Municipal Water District La Sierra pipeline project.

La Sierra Pipeline - ROE



La Sierra Pipeline - ROE

Recommendation to Commission:

- Authorize the General Manager to issue a right-of-entry to W.A. Rasic for the installation of two (2) pipelines through the SAWPA parking lot as part of the Western Municipal Water District La Sierra pipeline project.

QUESTIONS??

Approval of a Contract with Scheevel Engineering

**SAWPA Commission
April 18, 2017**

Design Phase



Ian Achimore
Senior Watershed Manager
Santa Ana Watershed Project Authority



Conservation Team

Critical Success Factors



Goals, scope, costs, resources, timelines, and the **contract term are approved** by the Commission before executing an agreement to participate in a roundtable group.



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



Conservation Team

Prior SAWPA Commission Approval for Project

- Feb 2015 – Submission of Funding Request to Regional Water Quality Control Board (Regional Board)
- July 2015 – Execution of Funding Agreement with U.S. Fish and Wildlife Service
- Dec 2015 – Execution of Funding Agreement with Regional Board
- Jan 2016 – Additional Funding from Regional Board
- Feb 2017 – Approval of Design Request For Proposals
- Apr 2017 – Approve of Design Contract



Conservation Team

About the Santa Ana Sucker

- Size <6 inches
- Feed on algae, small invertebrates
- Listed as Threatened in 2000
- Range includes Santa Ana River, Los Angeles River, and San Gabriel River basins
- “The most pressing threat to the species is the lack of suitable habitat necessary to increase population resiliency” US Fish and Wildlife Service, 2014



Photo credit: Santa Ana Watershed Association

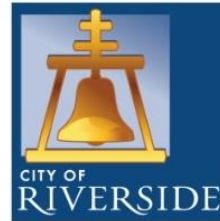


Conservation Team

Project Implemented By the Fish Conservation Team

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

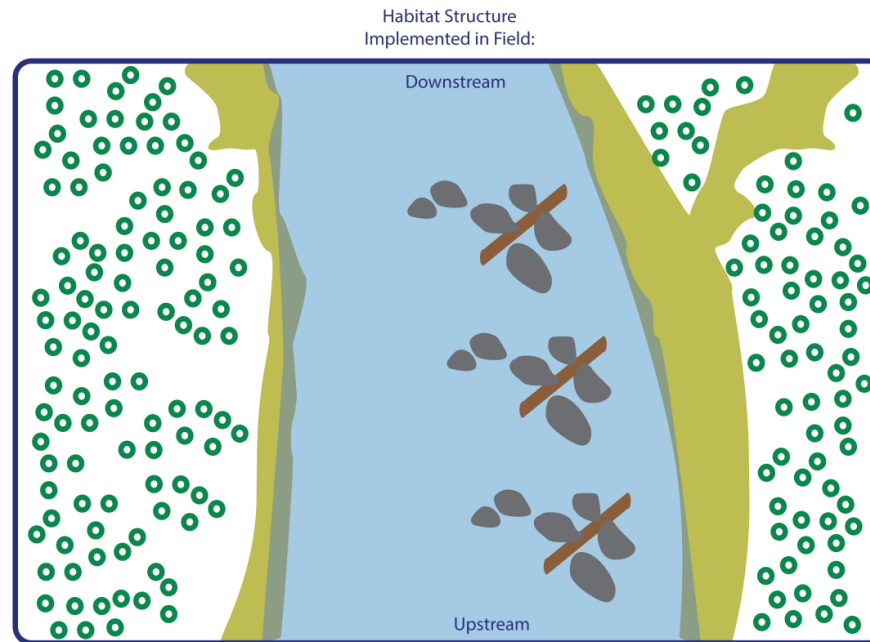
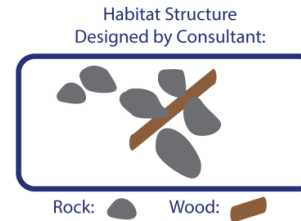
Project Scope



Conservation Team

Project Scope

- Contract beneficial as the design can be replicated in the field:



Conservation Team

Design Contract

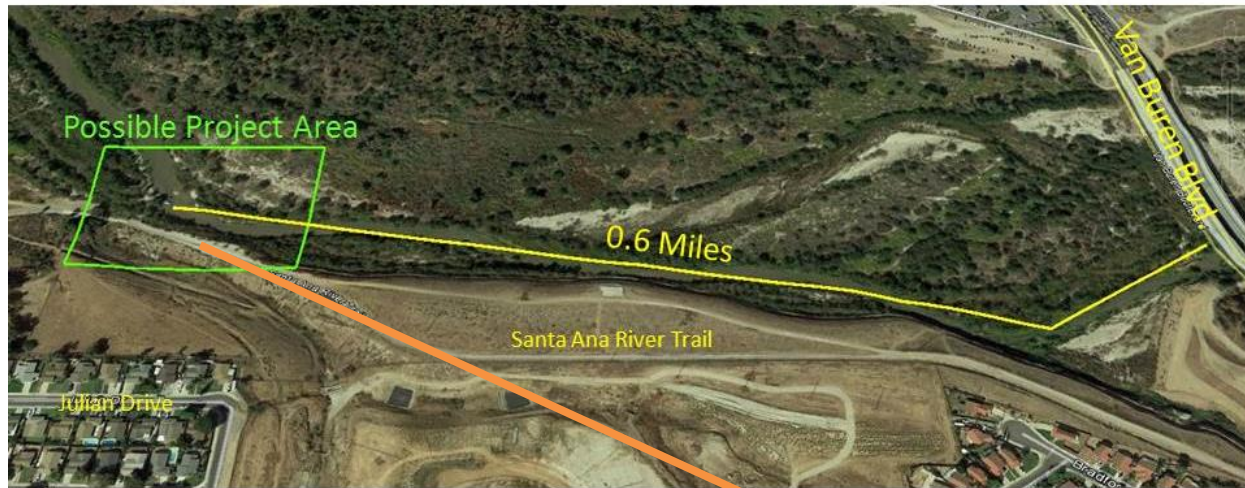
- Contract will allow SAWPA to bring on a consultant to:
 - draft project concepts and alternatives,
 - collect field data,
 - design the Project,
 - create plans, specifications and drawings,
 - estimate construction cost.



Conservation Team

Possible Project Area

- Land owned by the State; managed by Riverside County Parks
- Access for equipment along Santa Ana River Trail



Design Contract Funding

Provides 70% of funding



- San Bernardino Valley Municipal Water District

Provides 30% of funding



- Supplementation Environmental Project (SEP) Funding from Regional Board
- Grant from US Fish and Wildlife Service



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)

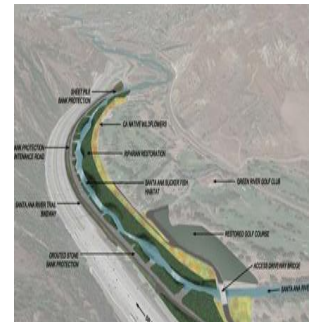


Benefits of Design RFP

- Benefits multiple agencies including San Bernardino Valley MWD & U.S. Army Corps
- San Bernardino Valley MWD workshop approval of contract cost share on Apr 11



**US Army Corps
of Engineers®**
Los Angeles District



Conservation Team

Interview Panel



**US Army Corps
of Engineers.**
Los Angeles District



Conservation Team

Recommendation of



- Extensive experience in Santa Ana River mainstem including flow and sedimentation studies
- Positive recommendations from references including Orange County Water District
- Previous experience designing habitat structures in Santa Ana River for Santa Ana Sucker



Recommendation of



- Reverse engineering approach (build physical model that accounts for water flow and sediment).
- Reasonable hourly billable rate in comparison to other firms
- Construction management experience



Conservation Team

Firms Responding to RFP

Firm Responding to RFP	Total Cost of Proposal
Dudek	\$220,070
ICF International	\$119,350
Huitt-Zollars	\$237,830
Scheevel Engineering	\$96,725
Stetson Engineers Inc.	\$55,530
Stillwater Sciences	\$85,393



Conservation Team

Project Schedule

Pre-Permit
Application

- Design RFP Release Date – Feb 21, 2017
- RFP Responses Due Date – Mar 15, 2017
- Commission Approval of Design Contract – Apr 18, 2017
- Conclude Pre-Permit Design – Jun 19, 2017

Orange County Water District to Assist with Permit/CEQA Writing



Post Permit
Application

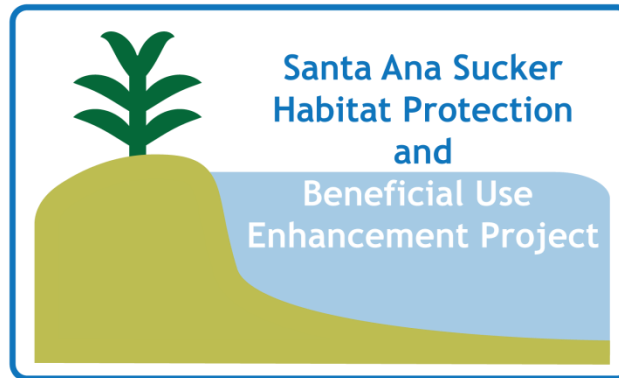
- Submit Permit Applications – Jul 2017
- File Environmental Documents – Summer 2017
- Receive Feedback from Permit Review – Winter 2017
- Finish Final Design – Winter/Spring 2017
- Construction – Fall 2018



Conservation Team

Recommendation

That the Commission approve issuance of an Agreement for Services and Task Order No. SCH381-01 with Scheevel Engineering for an amount not to exceed \$96,725 for the Design of the Santa Ana Sucker Protection and Beneficial Use Enhancement Project (Project) subject to cost share approval by the SBVMWD Board.



Conservation Team

Approval of Watershed Signage with Bri Communications



SAWPA Commission
April 18, 2017

Ian Achimore
Senior Watershed Manager



Critical Success Factors



A strong reputation and sufficient capacity within SAWPA staff for strategic facilitation, planning, communication, **leadership and community engagement.**



Successful **implementation of an integrated regional water resource plan** that reflects the watershed management needs of the public and the environment.

Bri Communications



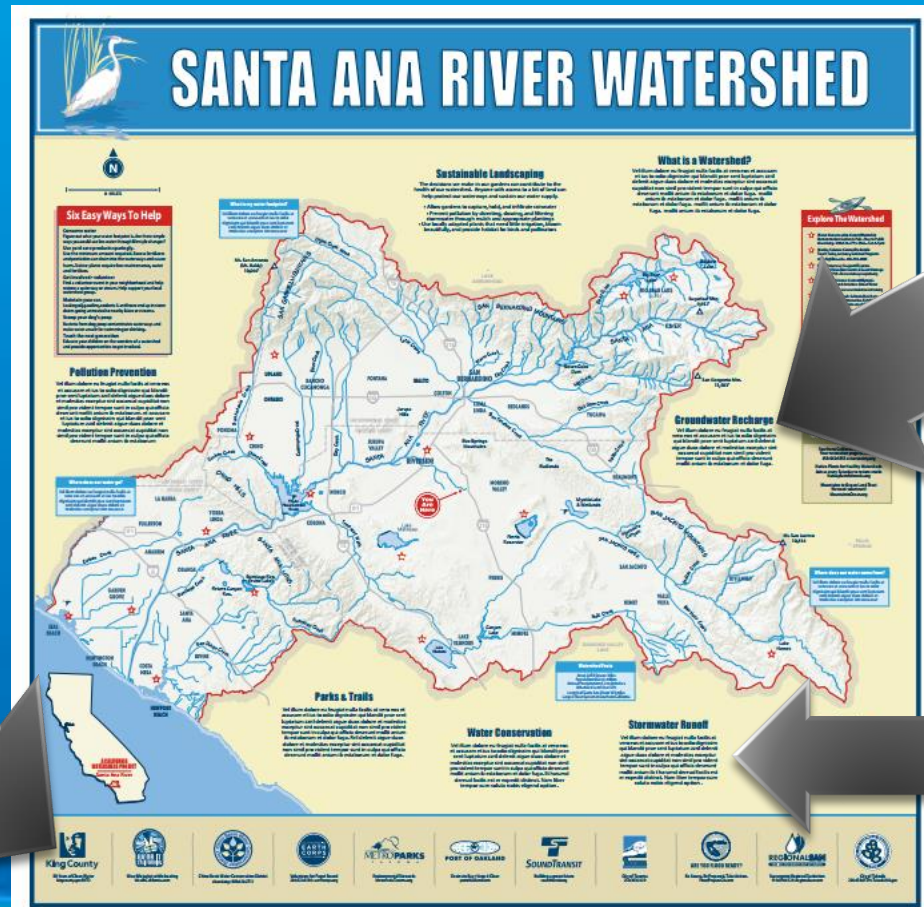
Bri Comm

- Approached SAWPA
- Based Out of Seattle
- Contract installs – no reliance on subcontractors
- Experience with similar projects in
 - Seattle Area (Puget Sound Watershed)
 - Sacramento River Watershed
 - Berkeley Area (SF Bay Watershed)



Draft Sign Design

36" by 36"



One Water
One Watershed
Here

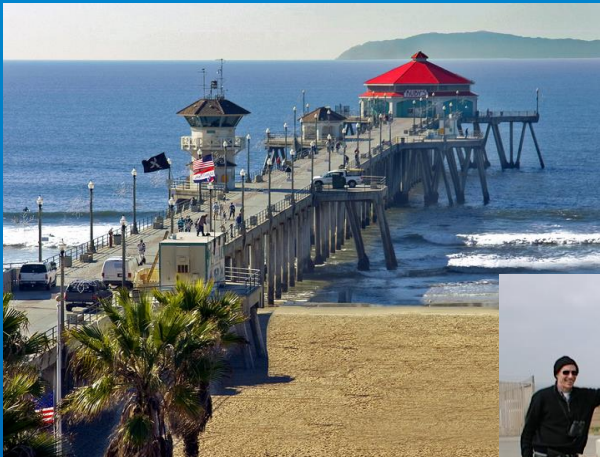
SAWPA
Logo
Here

Draft messages
reflect OWOW
Pillars



Potential Sign Locations

- Visitor centers, trail heads, vista locations, etc.



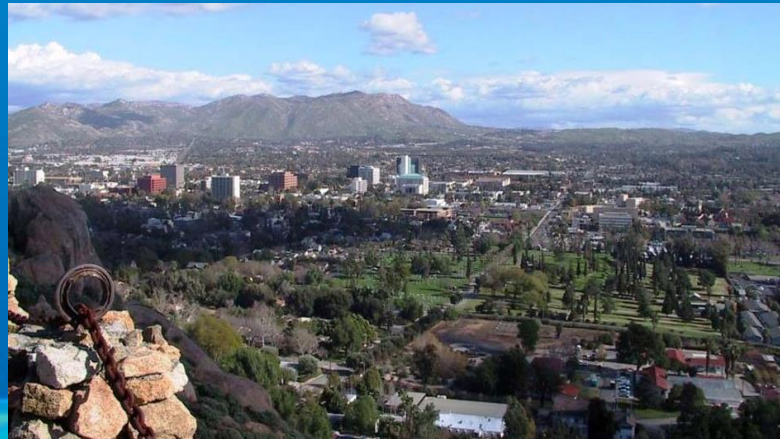
Bri Communication Duties

- \$5,600 subscription fee for two years
- Acquires 10 sponsors for 50 signs
- Works with sponsors on map messages
- Designs signs
- Works with sponsors to draft signage locations
- Acquires agreements with landowners to place signs
- Constructs sign structures
- Maintains signs for contract period



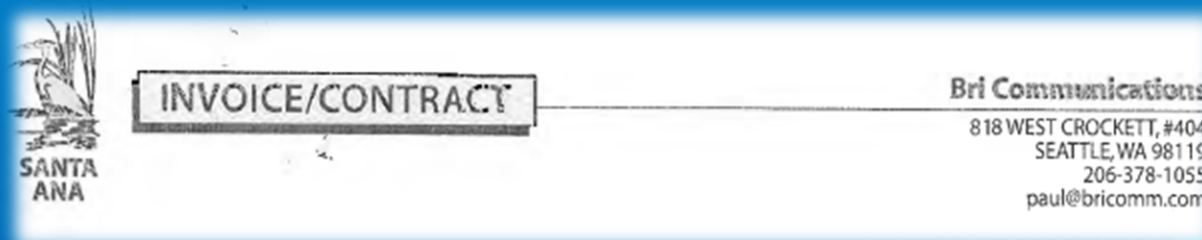
Current Sponsors

- San Bernardino Valley Water Conservation District,
- California Department of Water Resources,
- California State Parks/Boating and Waterways, and
- Chino Basin Water Conservation District



Recommendation

- That the Commission approve issuance of contracts with Bri Communications for an amount not to exceed \$11,200 to design, install and maintain of Santa Ana River Watershed signs throughout the Watershed for four consecutive years.



SAWPA

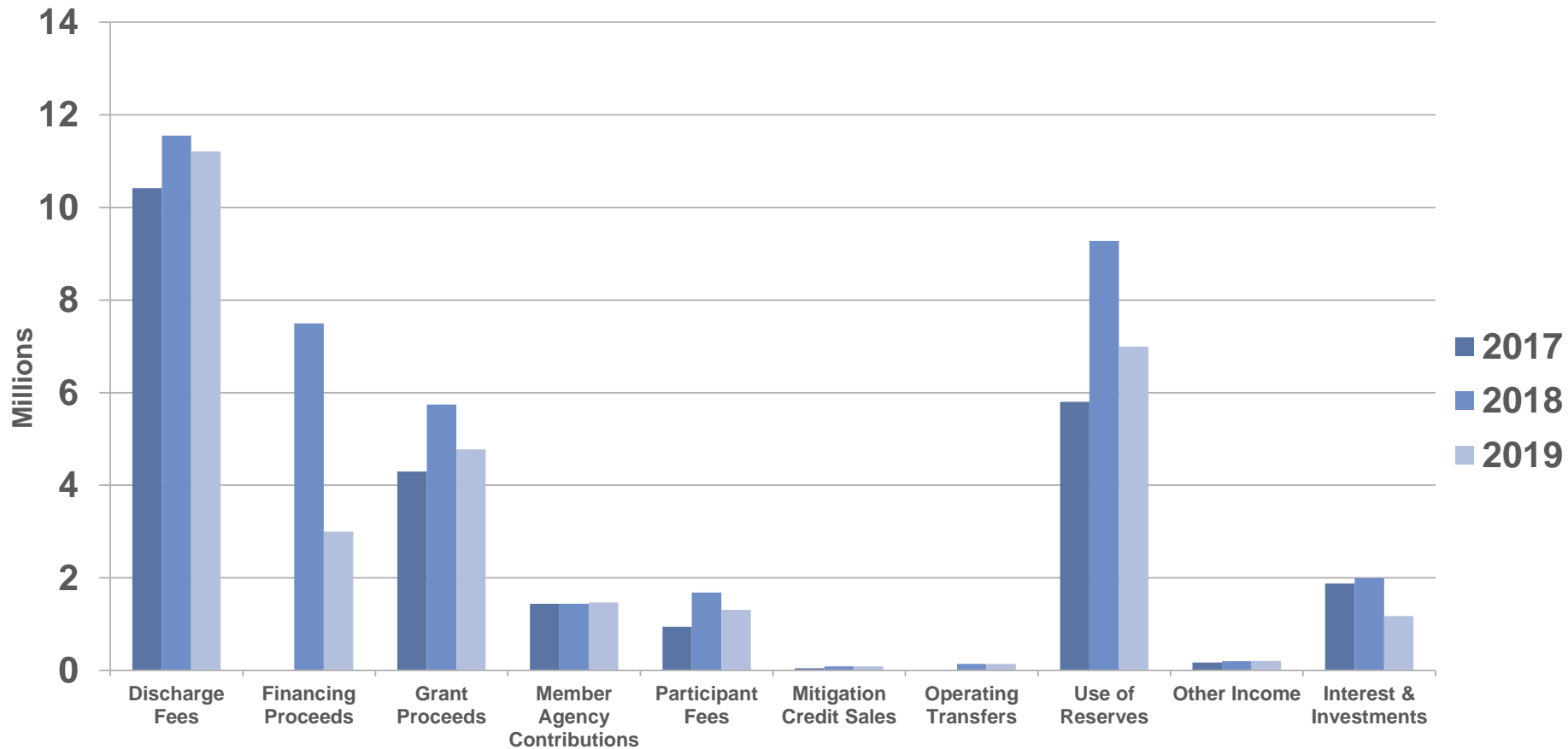
A blue fountain pen with a silver nib is positioned diagonally across the center of the image. The pen is resting on a document that features a line graph with a blue line. The graph has a y-axis with values 0000, 0050, and 0000, and an x-axis with labels for months: Feb., Apr., Jun., and Aug. A magnifying glass is visible on the right side of the image, focusing on the graph. The background is a light blue gradient.

FYE 2018 and 2019 Draft
Budget



- 1 Combined Budget**
- 2 Brine Line Operating Budget**
- 3 Brine Line Capital Budget**
- 4 OWOW Fund Budget**
- 5 Roundtables Fund Budget**
- 6 General Fund Budget**
- 7 Member Agency Contributions**

Combined Revenues



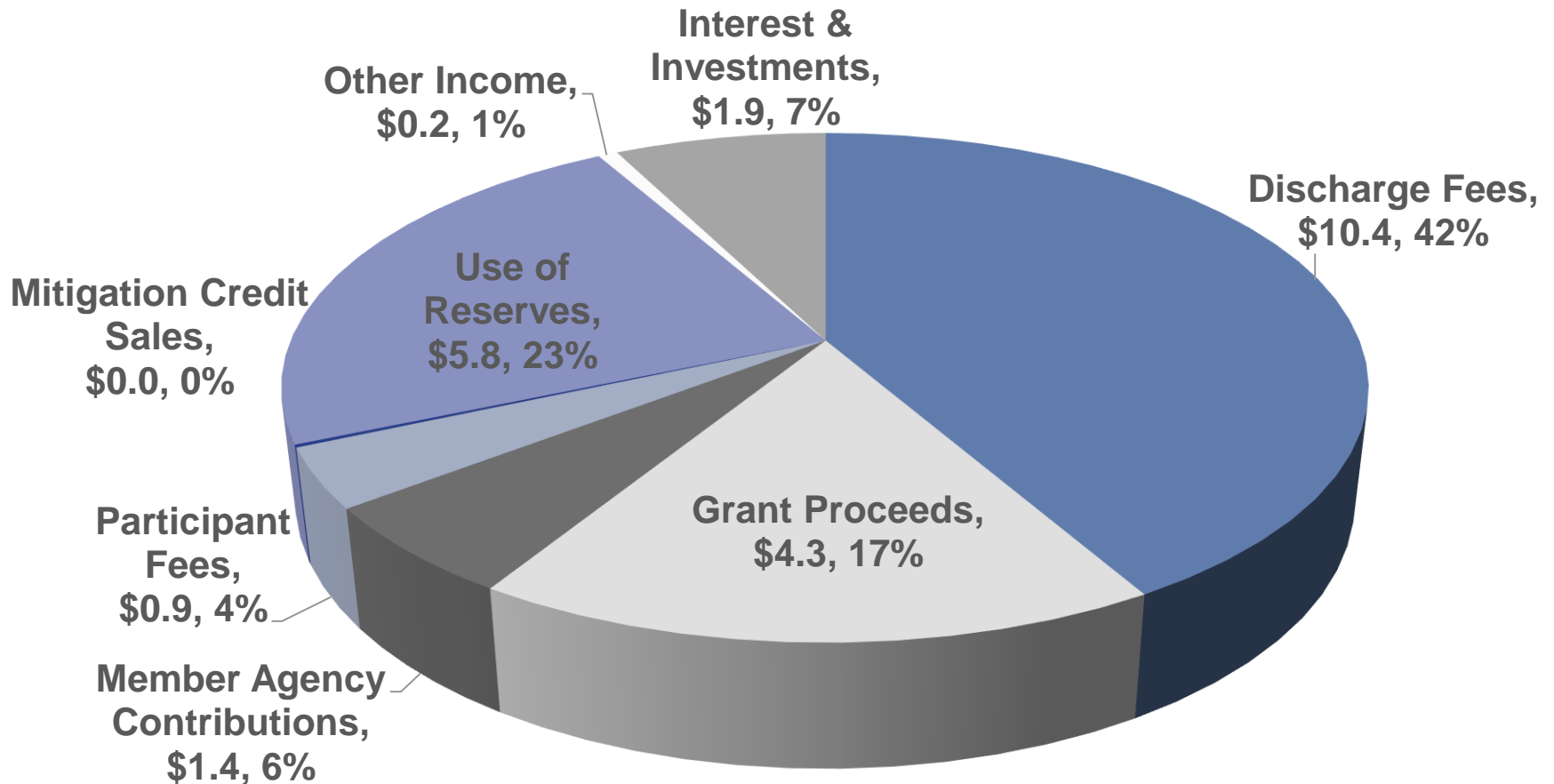


Combined Revenues

Revenue	FYE 2017 Budget	FYE 2018 Budget	% (Inc.)/ Dcr.	FYE 2019 Budget	%(Inc.)/ Dcr.
Discharge Fees	\$10,417,136	\$11,555,161	(10.9%)	\$11,208,867	3.0%
Financing Proceeds	0	7,500,000	(100.0%)	3,000,000	60.0%
Grant Proceeds	4,296,936	5,741,297	(33.6%)	4,777,256	16.8%
Member Agency Contributions	1,439,307	1,442,118	(0.2%)	1,471,695	(2.1%)
Participant Fees	946,878	1,682,056	(77.6%)	1,309,273	22.2%
Mitigation Credit Sales	44,490	88,980	(100.0%)	88,980	0.0%
Operating Transfers	0	144,252	(100.0%)	144,252	0.0%
Use of Reserves	5,805,215	9,280,479	(59.9%)	6,995,901	24.6%
Other Income	171,782	202,027	(17.6%)	206,674	(2.3%)
Interest & Investments	1,878,952	1,994,772	(6.2%)	1,173,582	41.2%
Total	\$25,000,696	\$39,631,141	(58.5%)	\$30,376,479	23.4%

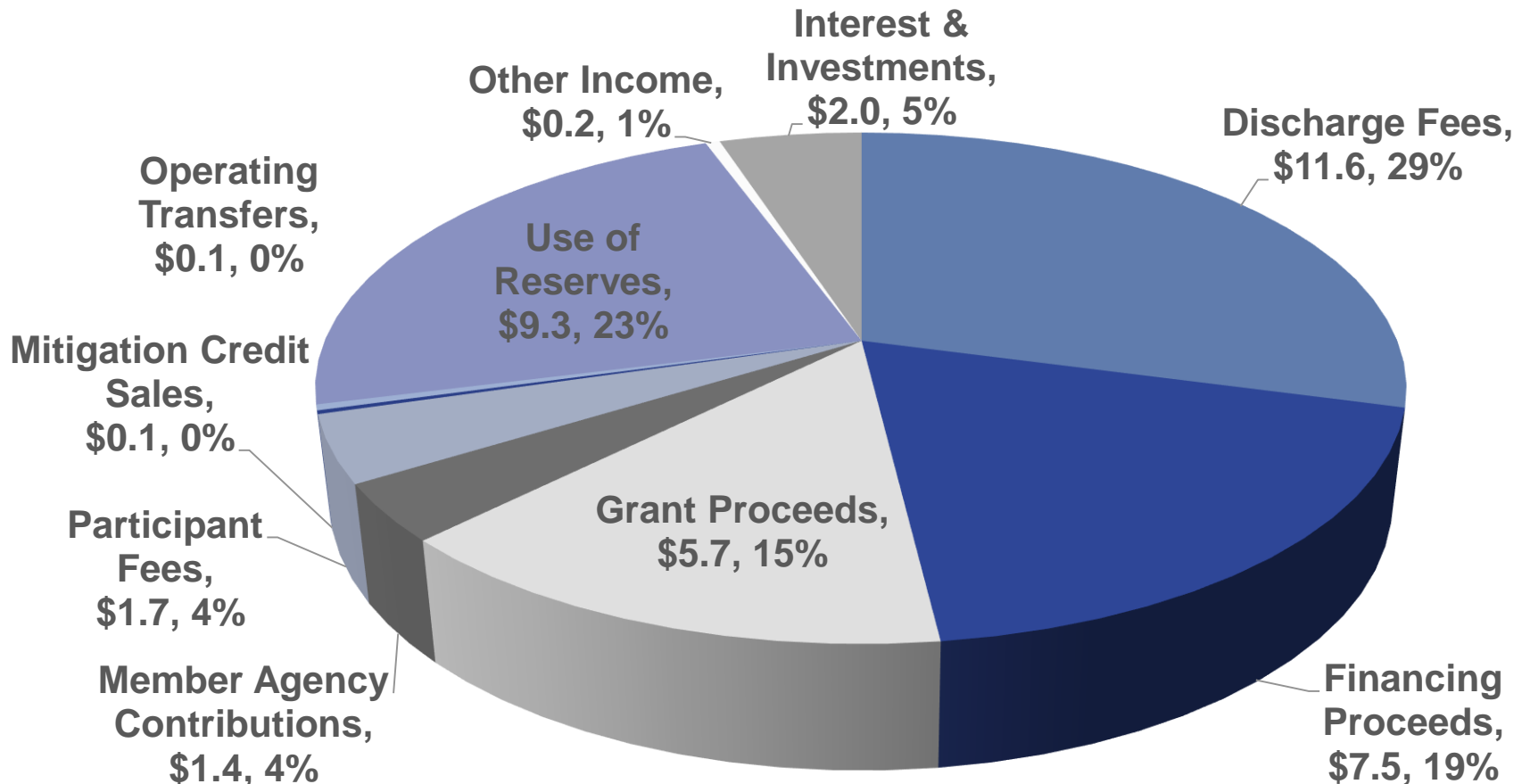
Combined Budget

FYE 2017 Revenues - \$25.0 M



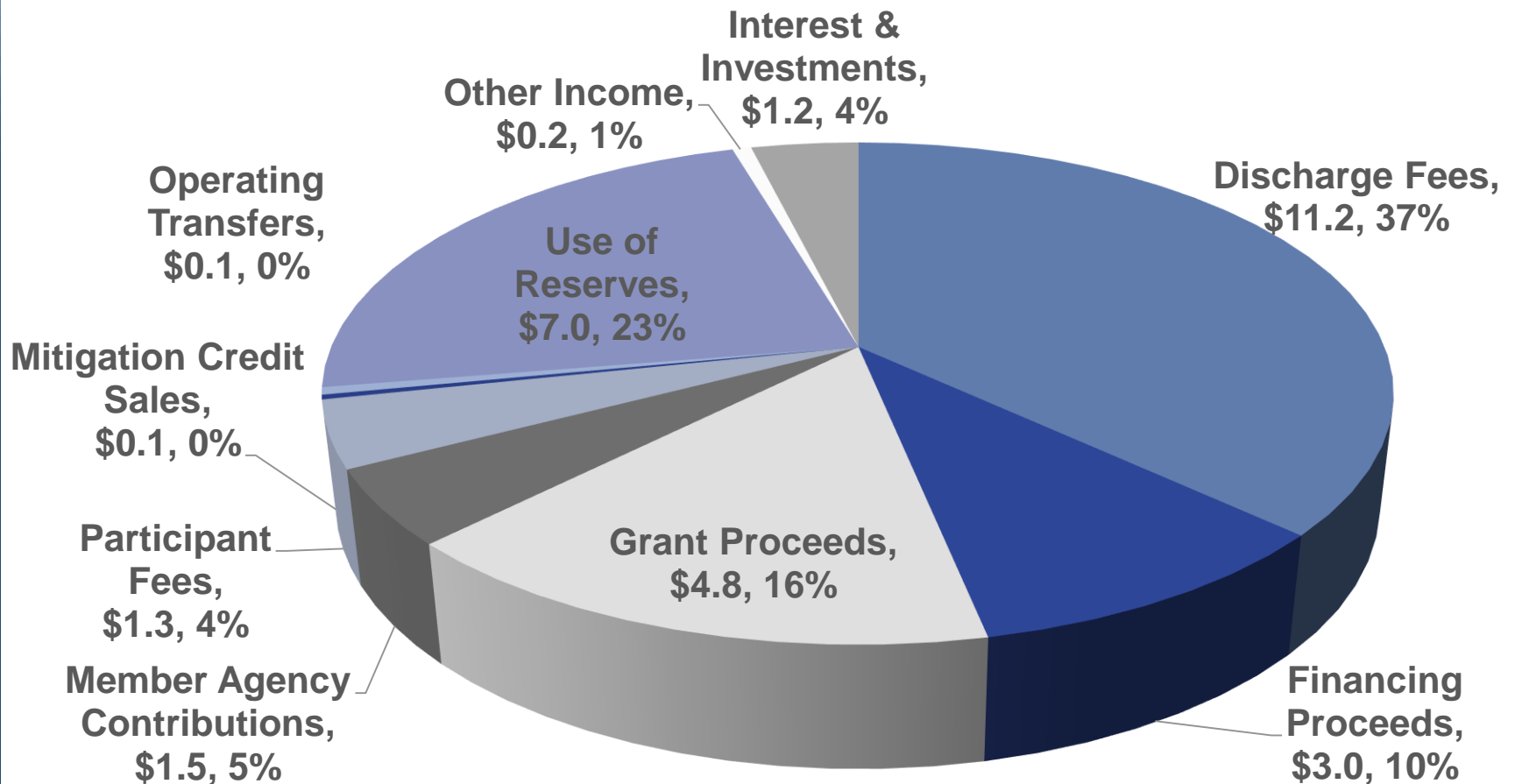
Combined Budget

FYE 2018 Revenues - \$39.6 M

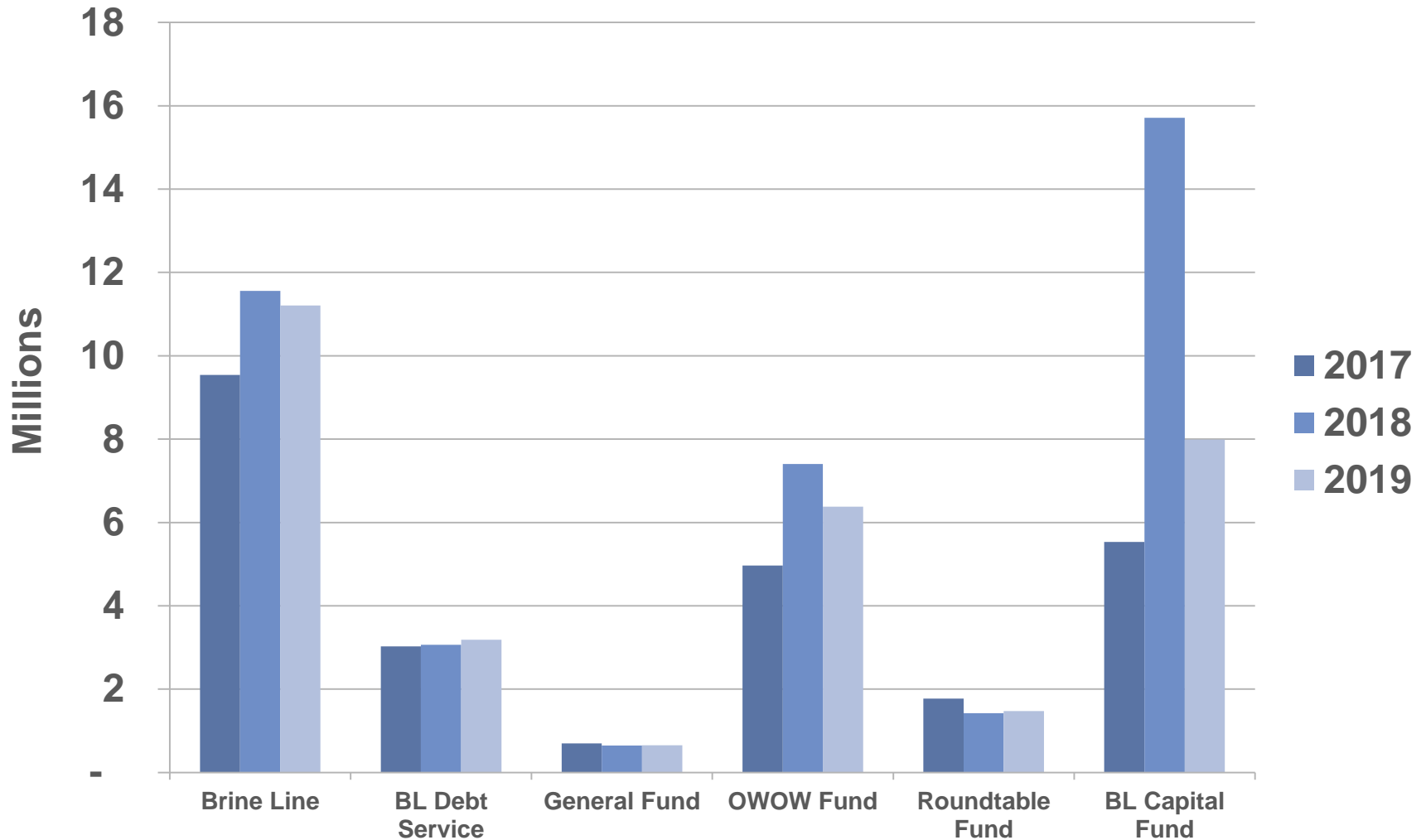


Combined Budget

FYE 2019 Revenues - \$30.4 M



Combined Expenses



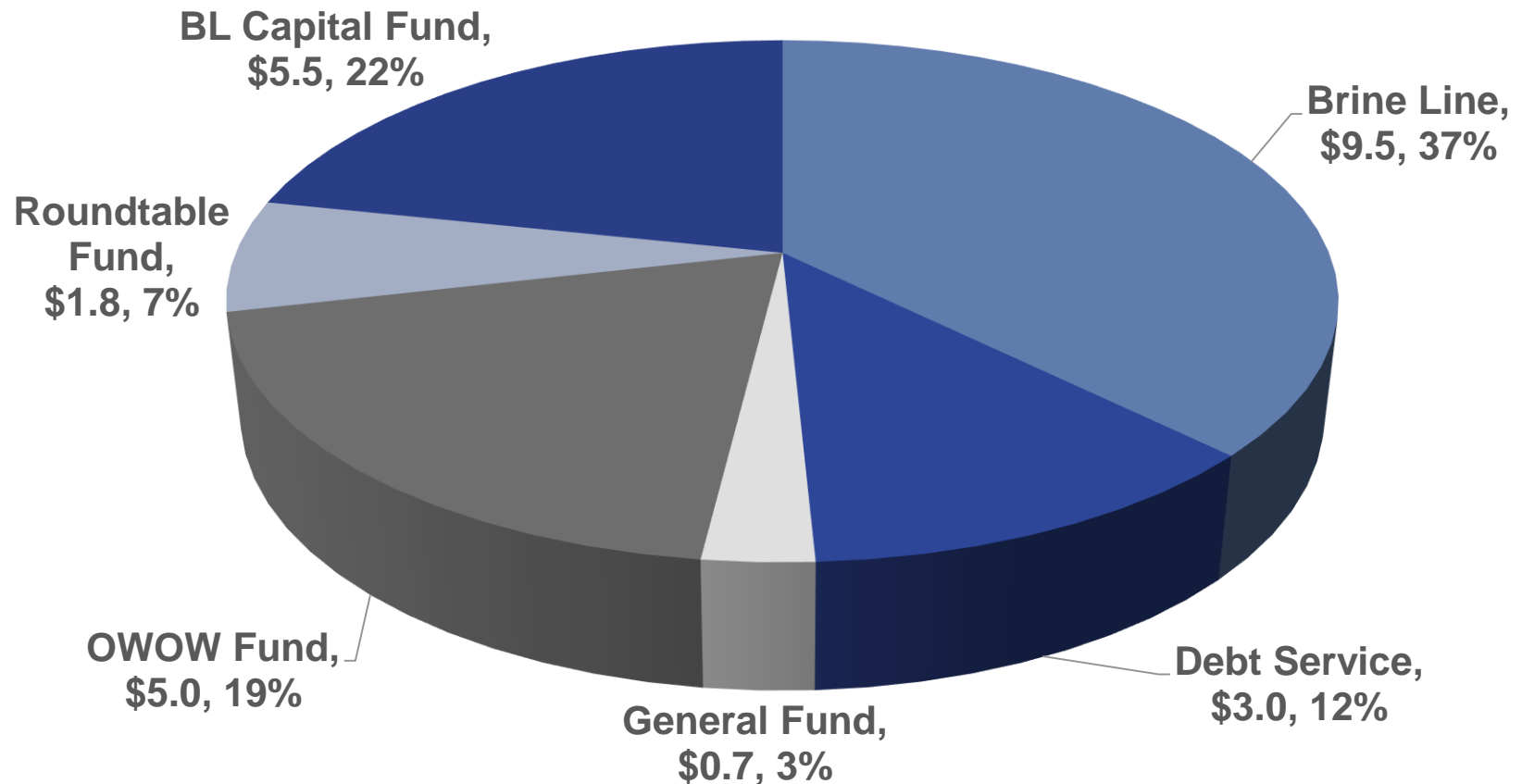


Combined Expenses

Revenue	FYE 2017 Budget	FYE 2018 Budget	% (Inc.)/ Dcr.	FYE 2019 Budget	%(Inc.)/ Dcr.
Brine Line Enterprise Fund	\$9,539,179	\$11,555,161	(21.19%)	\$11,208,867	3.0%
Brine Line Debt Service	3,028,588	3,060,719	(1.1%)	3,183,451	(4.0%)
General Fund	699,307	646,118	7.6%	650,695	(0.7%)
OWOW Fund	4,963,864	7,403,317	(49.1%)	6,380,106	13.8%
Roundtables Fund	1,772,928	1,419,206	20.0%	1,475,981	(4.0%)
BL Capital Fund	5,533,536	15,714,532	(184.0%)	7,986,032	49.2%
Total	\$25,537,400	\$39,799,053	(55.8%)	\$30,885,132	22.4%

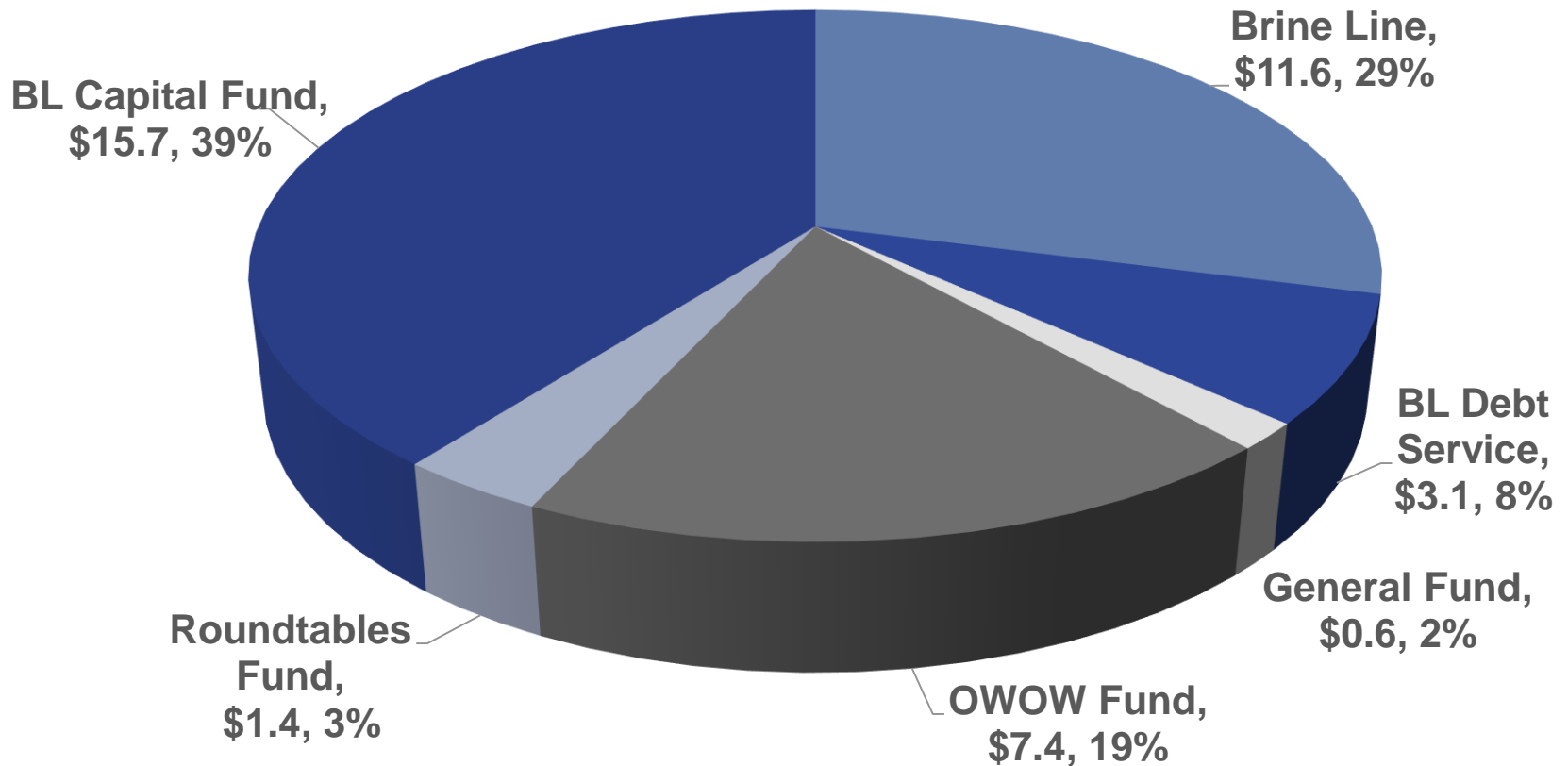
Combined Budget

FYE 2017 Expenses - \$25.5 M



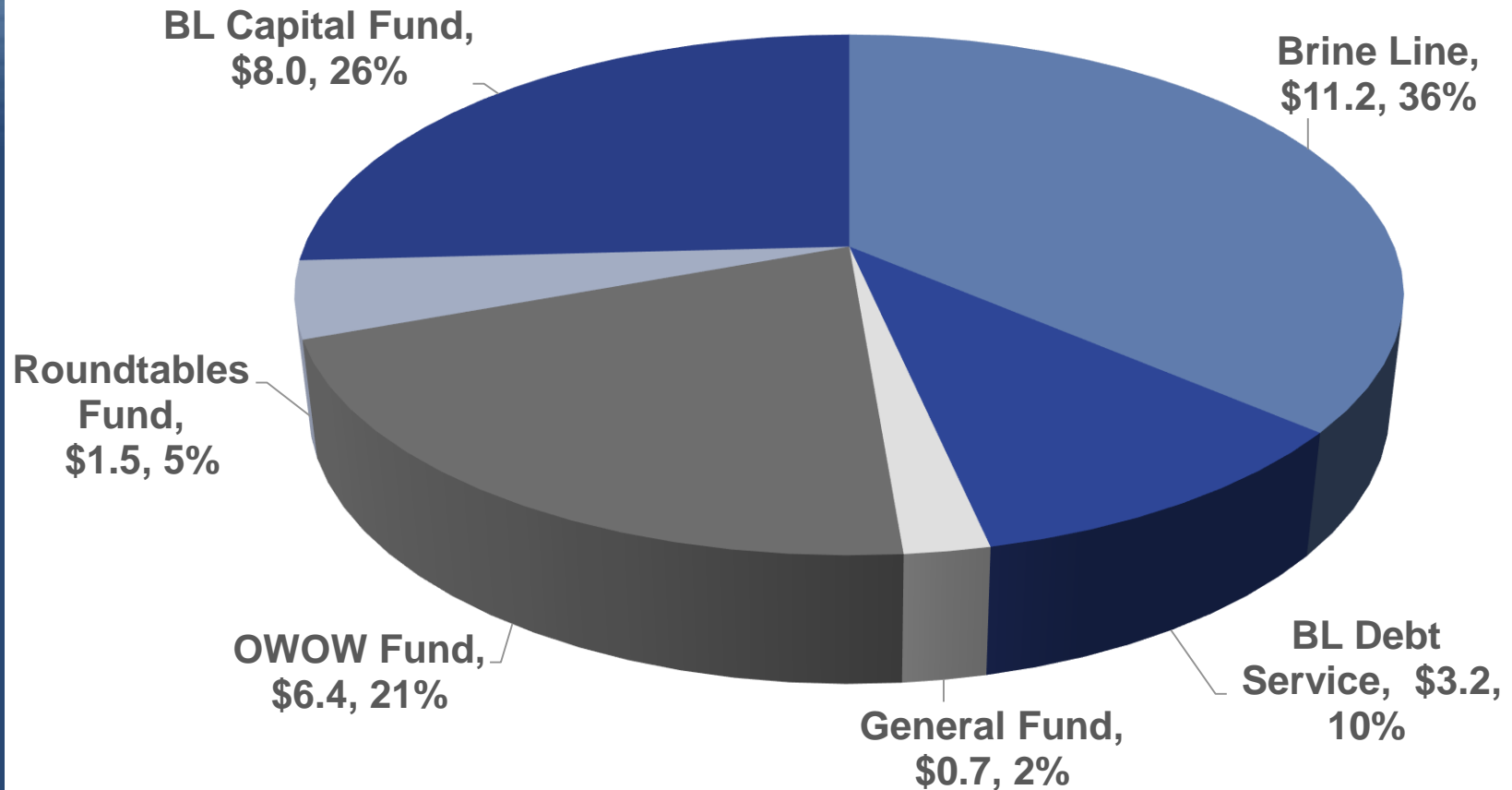
Combined Budget

FYE 2018 Expenses - \$39.8 M



Combined Budget

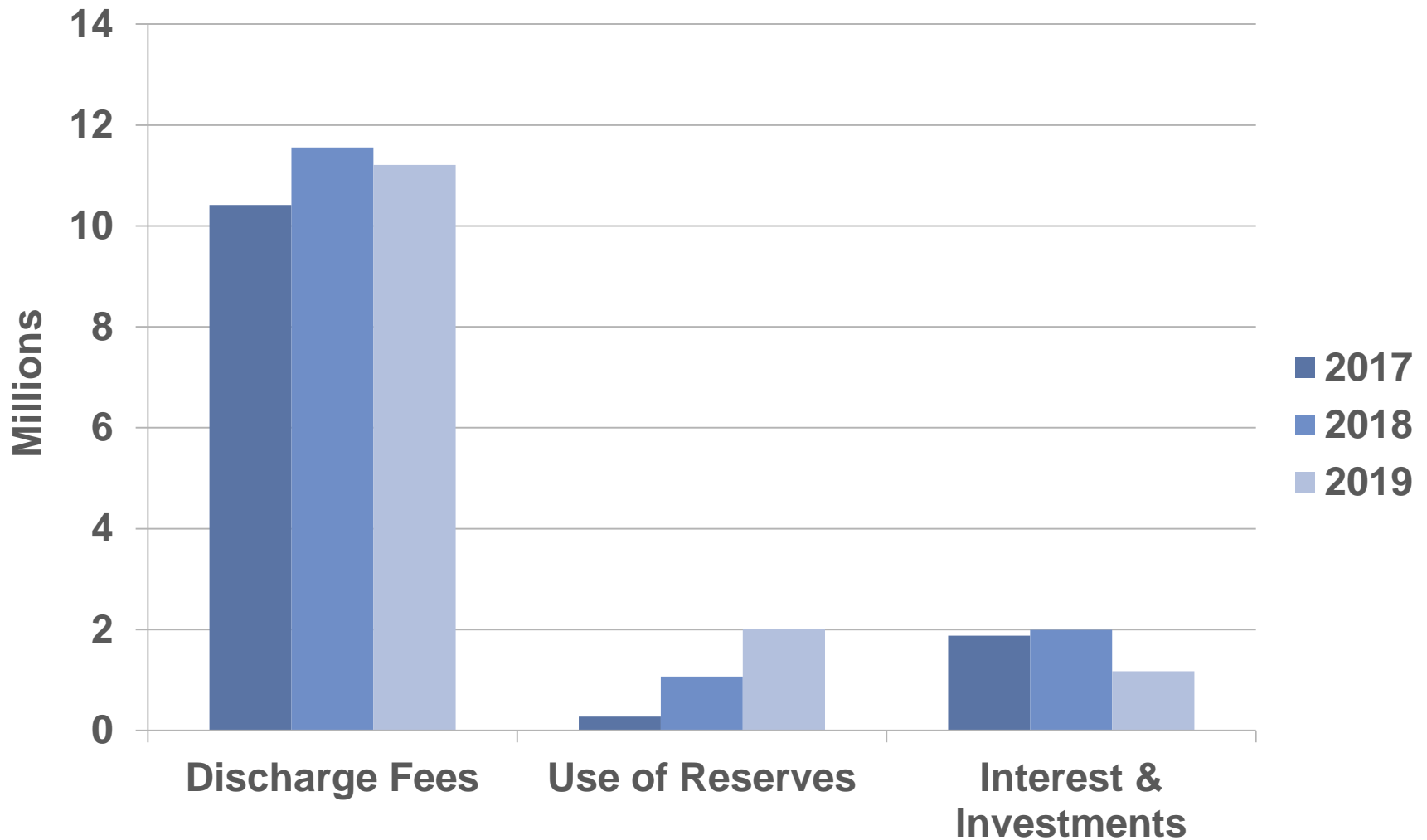
FYE 2019 Expenses - \$30.9 M



Brine Line Operations & Capital Budget

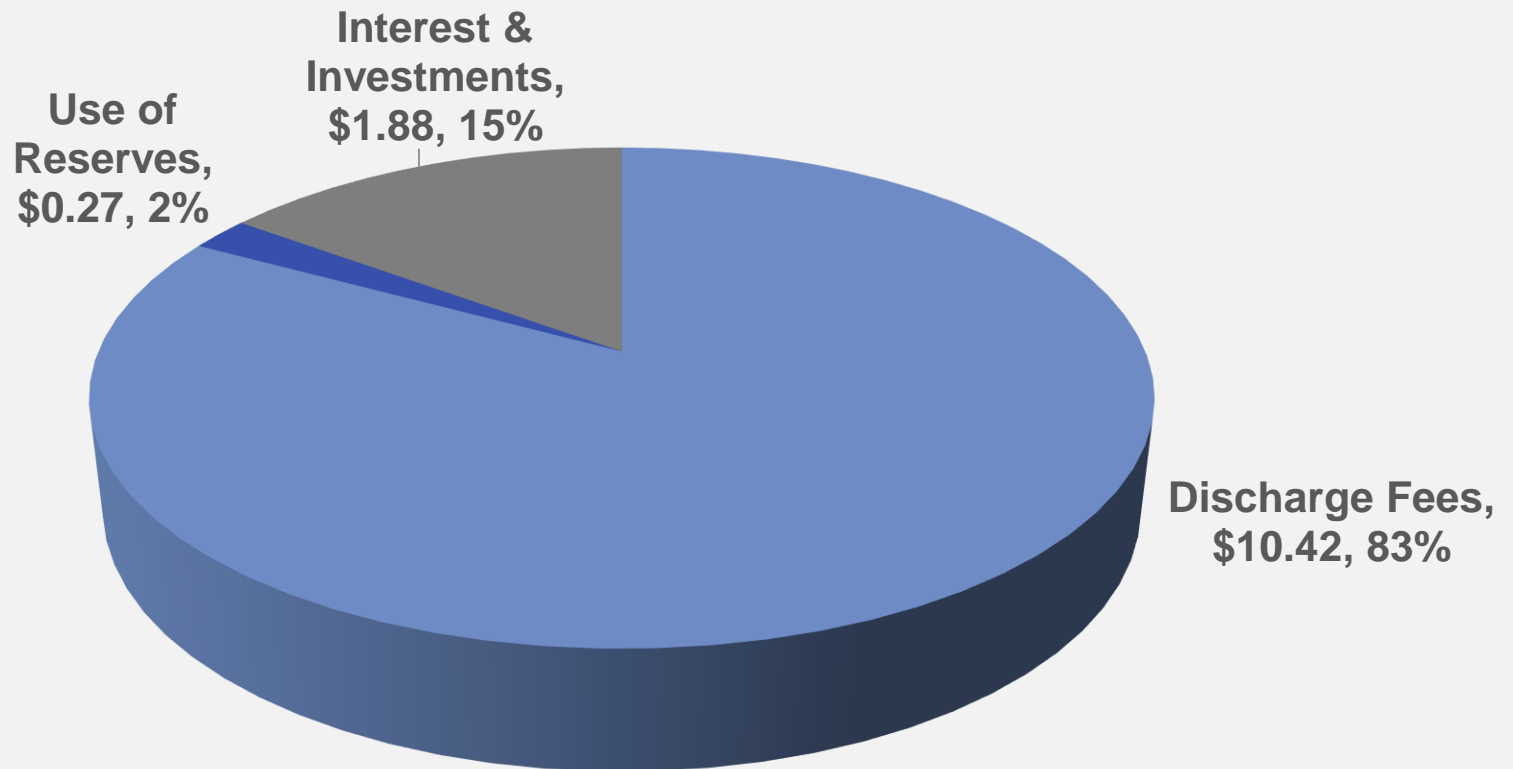


Brine Line Enterprise - Revenue



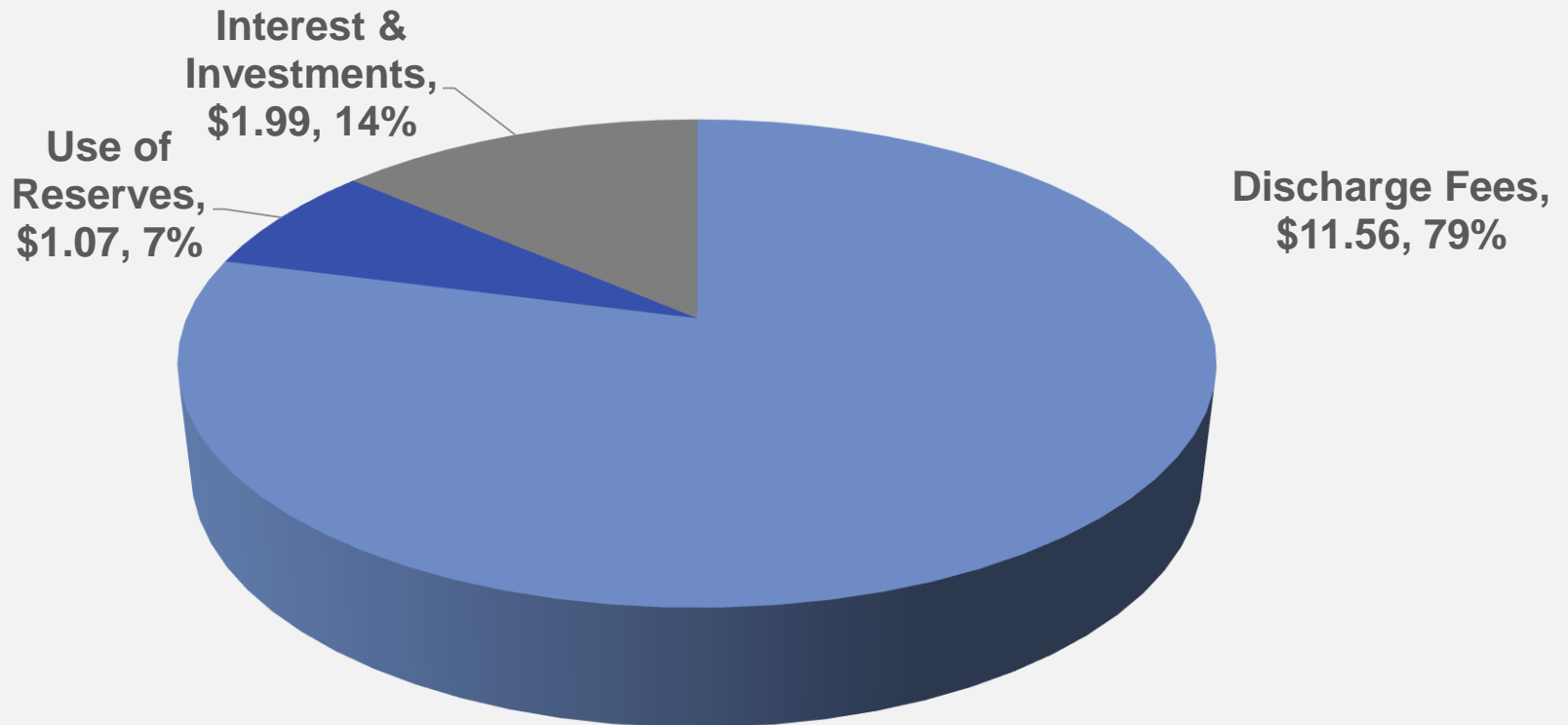
FYE 2017

Brine Line Revenues \$12.57 M



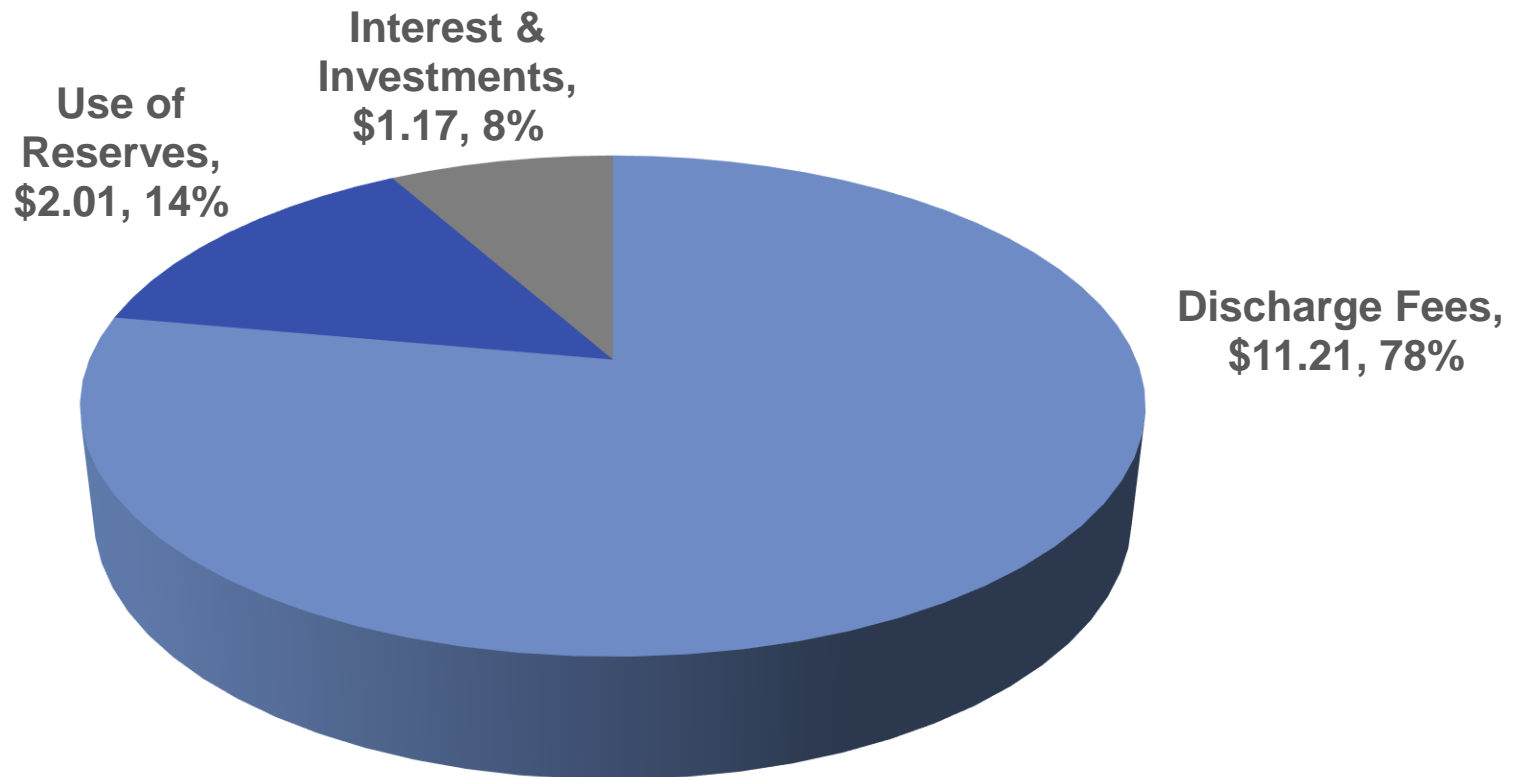
FYE 2018

Brine Line Revenues \$14.62 M

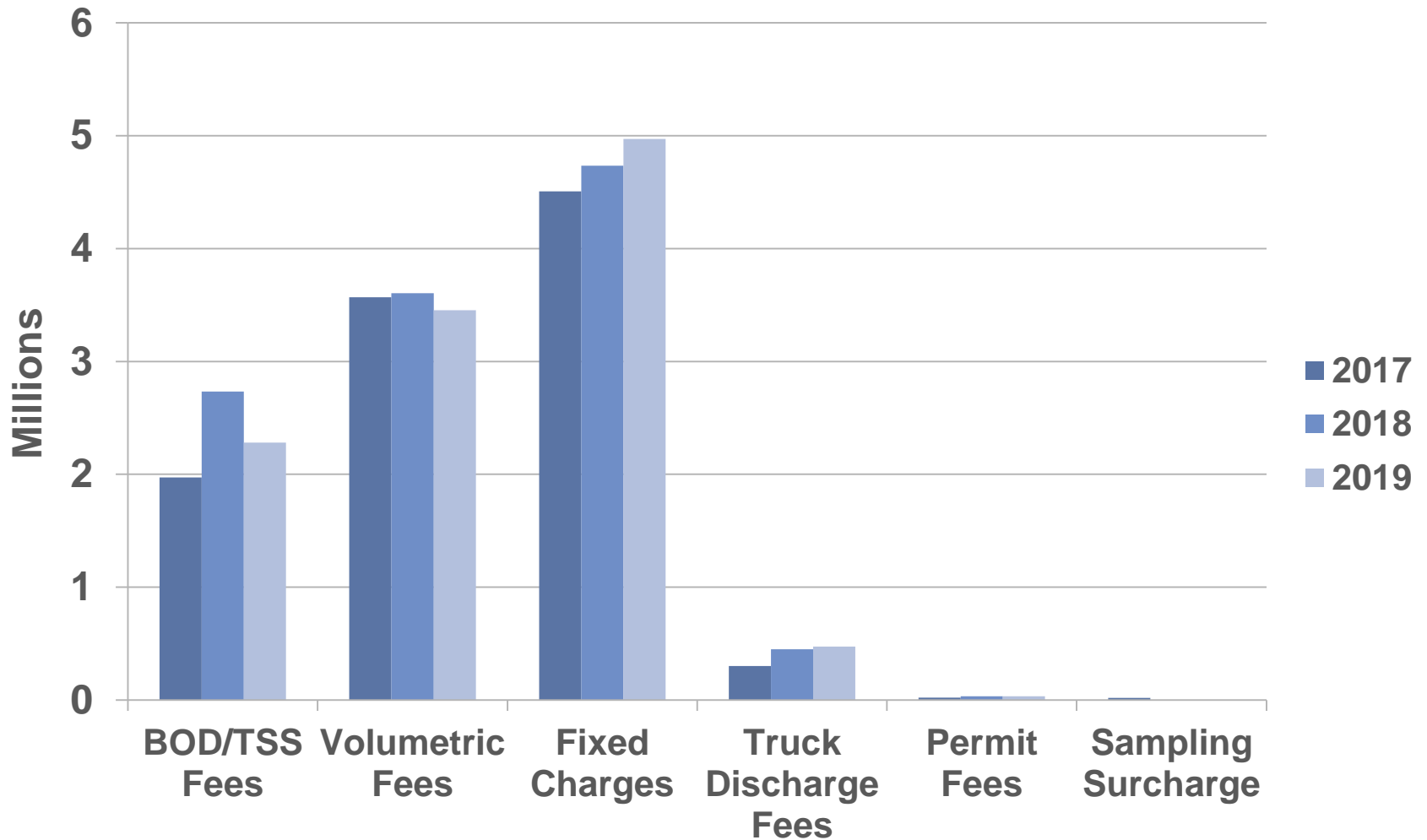


FYE 2019

Brine Line Revenues \$14.39 M

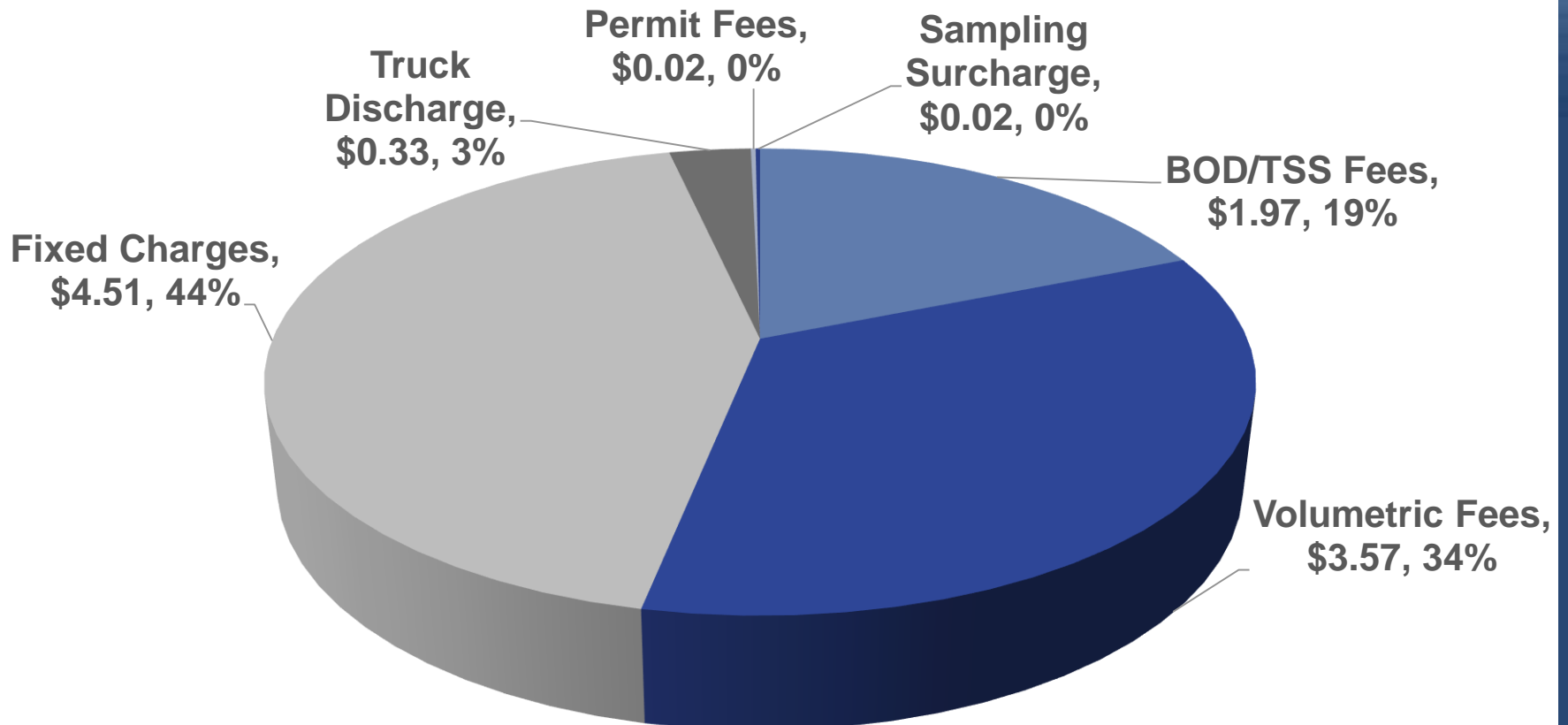


Discharge Fees



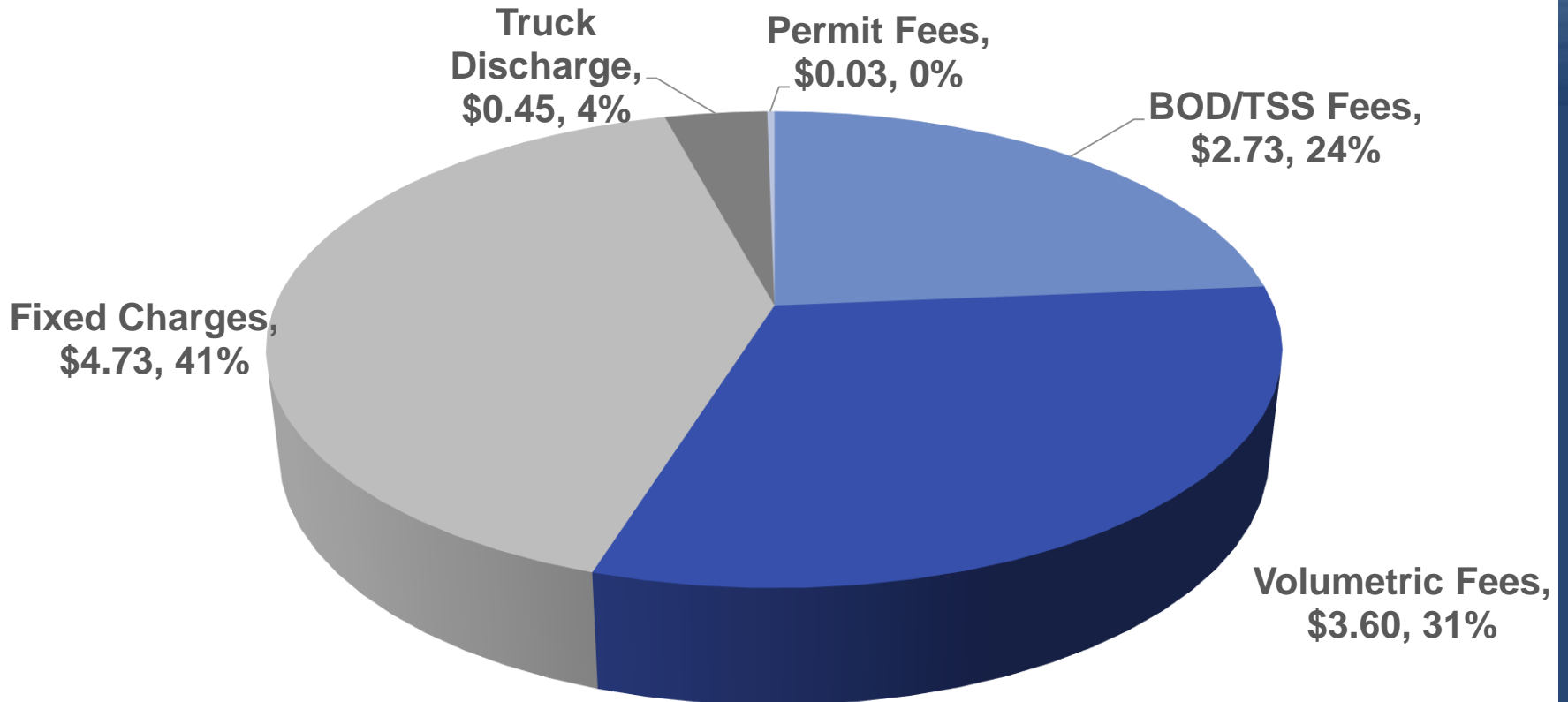
FYE 2017

Discharge Fees \$10.42 M



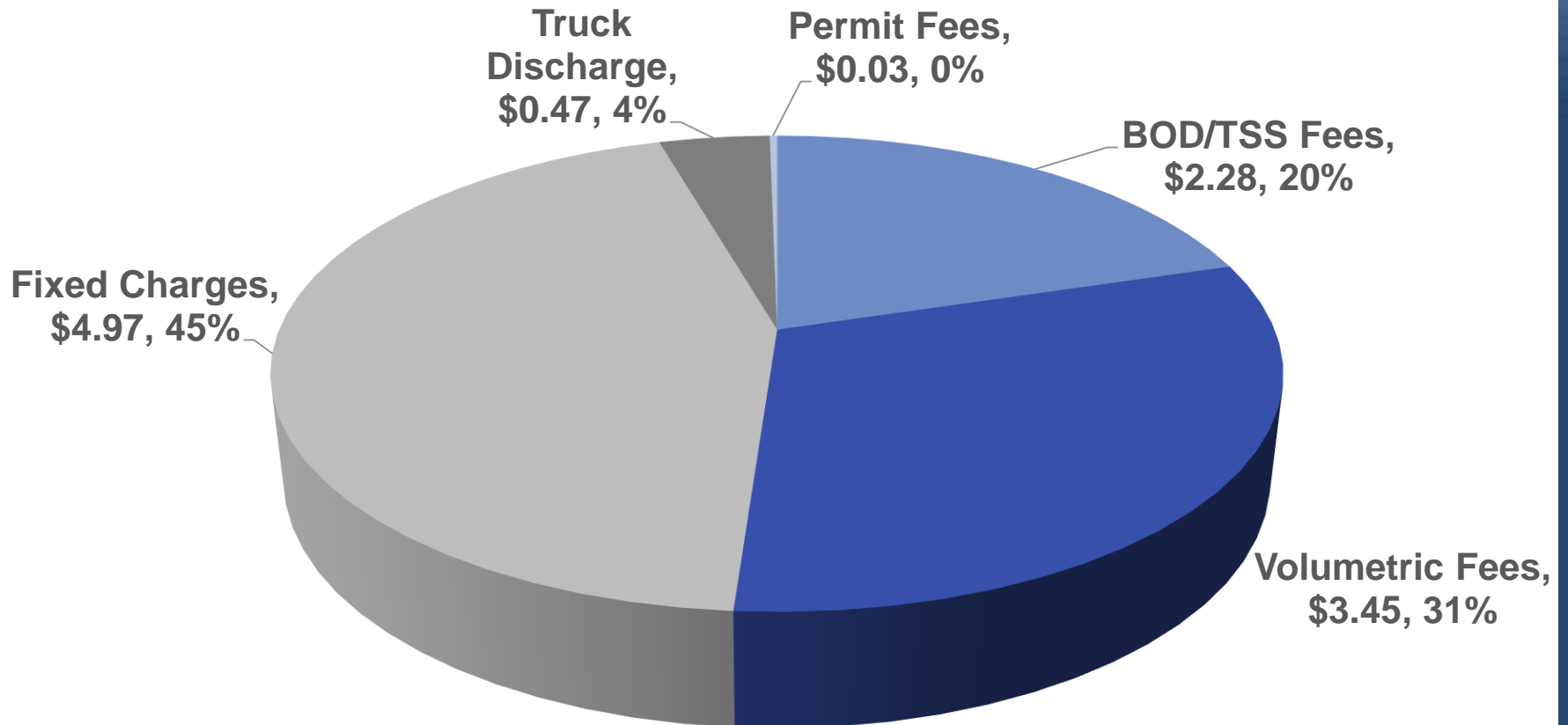
FYE 2018

Discharge Fees \$11.56 M

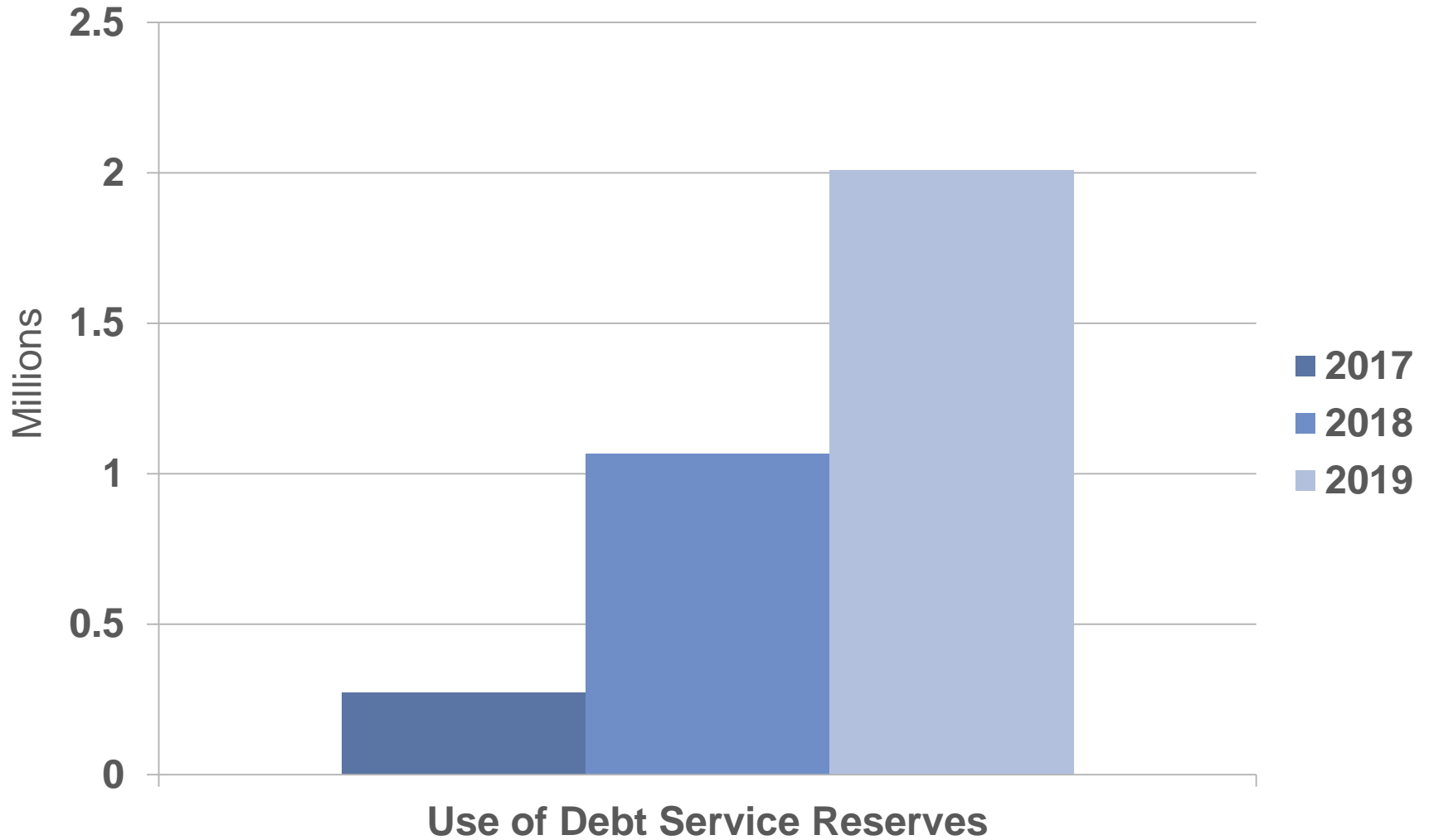


FYE 2019

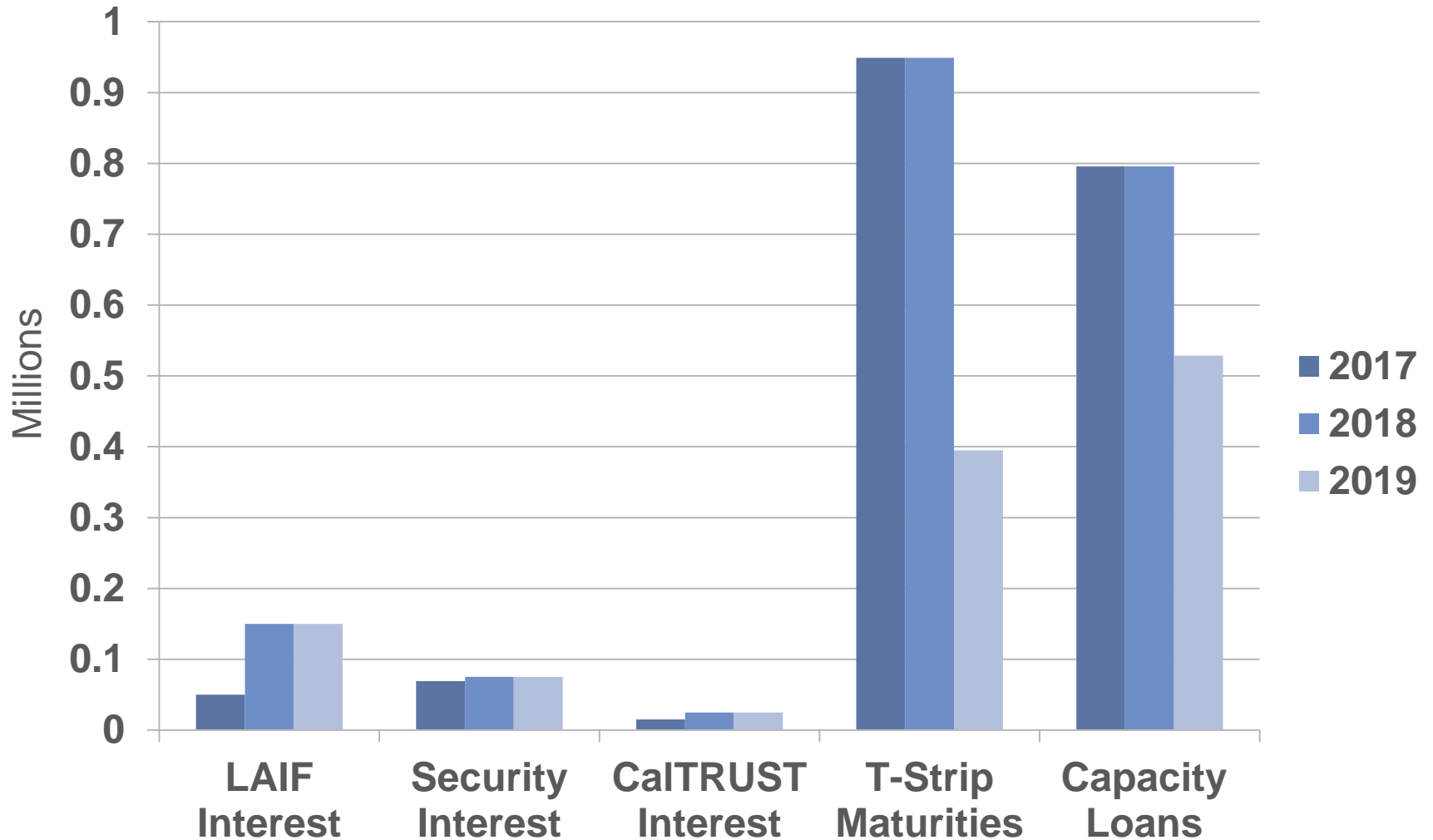
Discharge Fees \$11.21 M



Use of Reserves

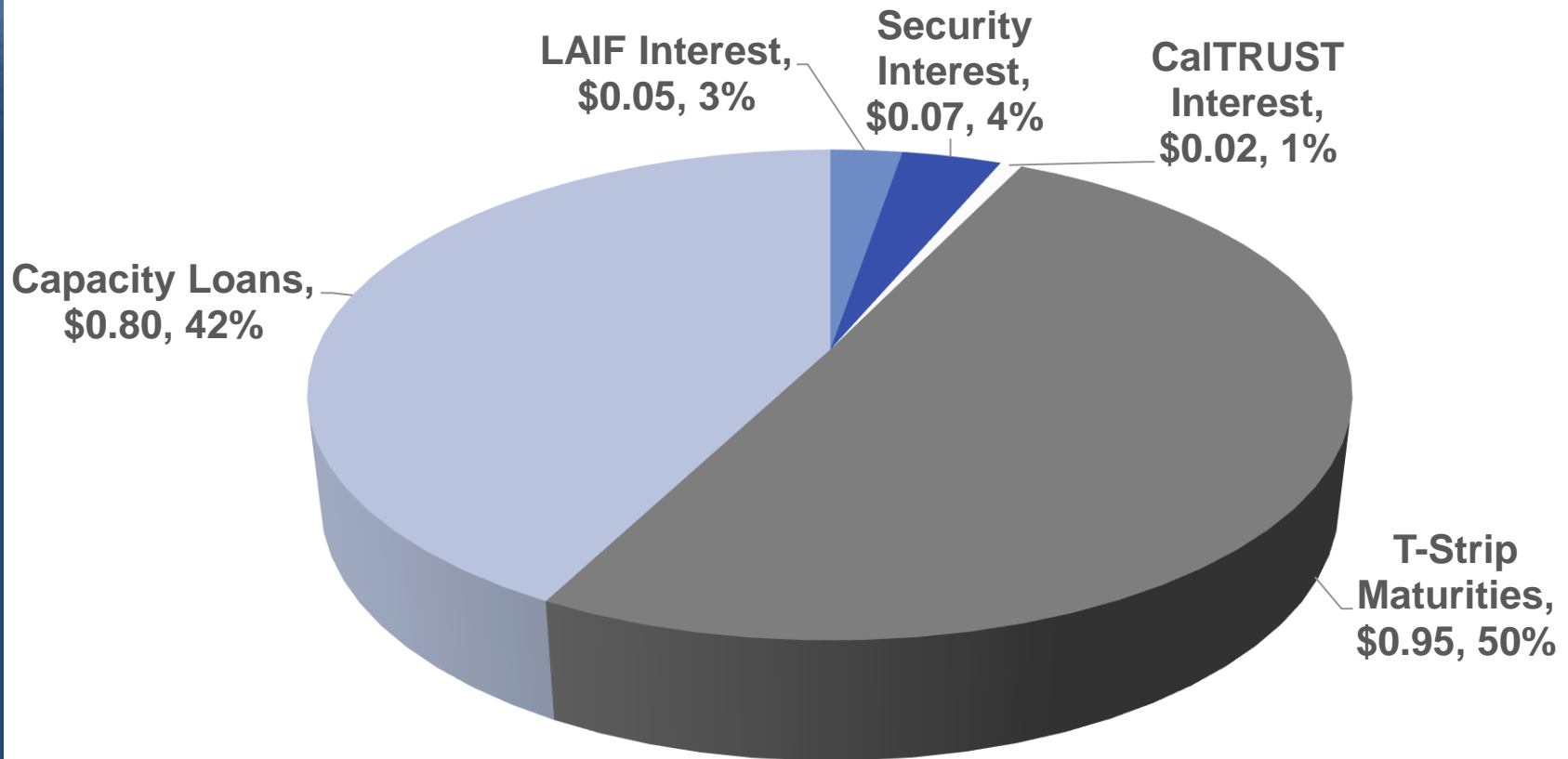


Interest & Investments



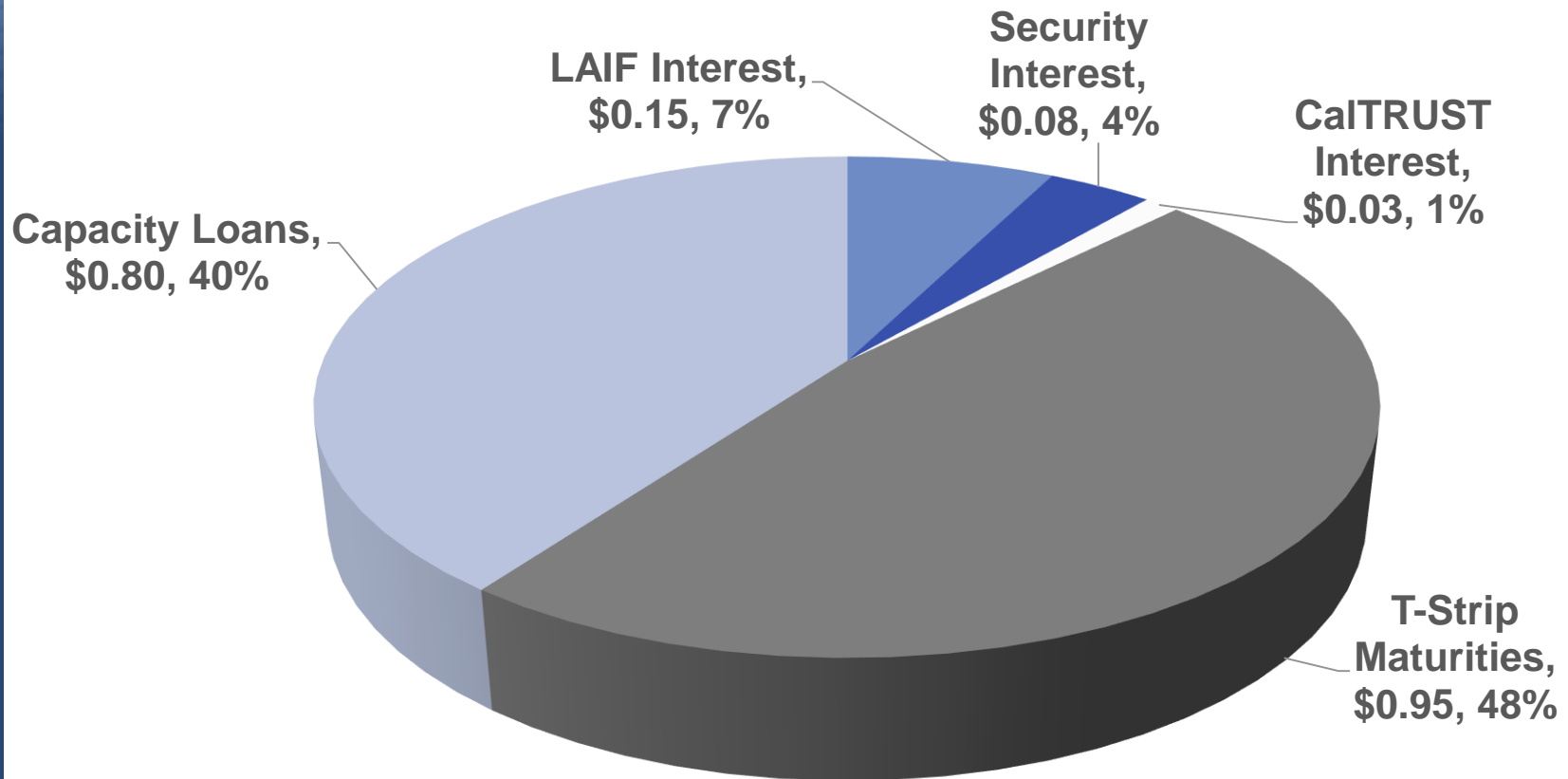
FYE 2017

Interest & Investments \$1.88 M



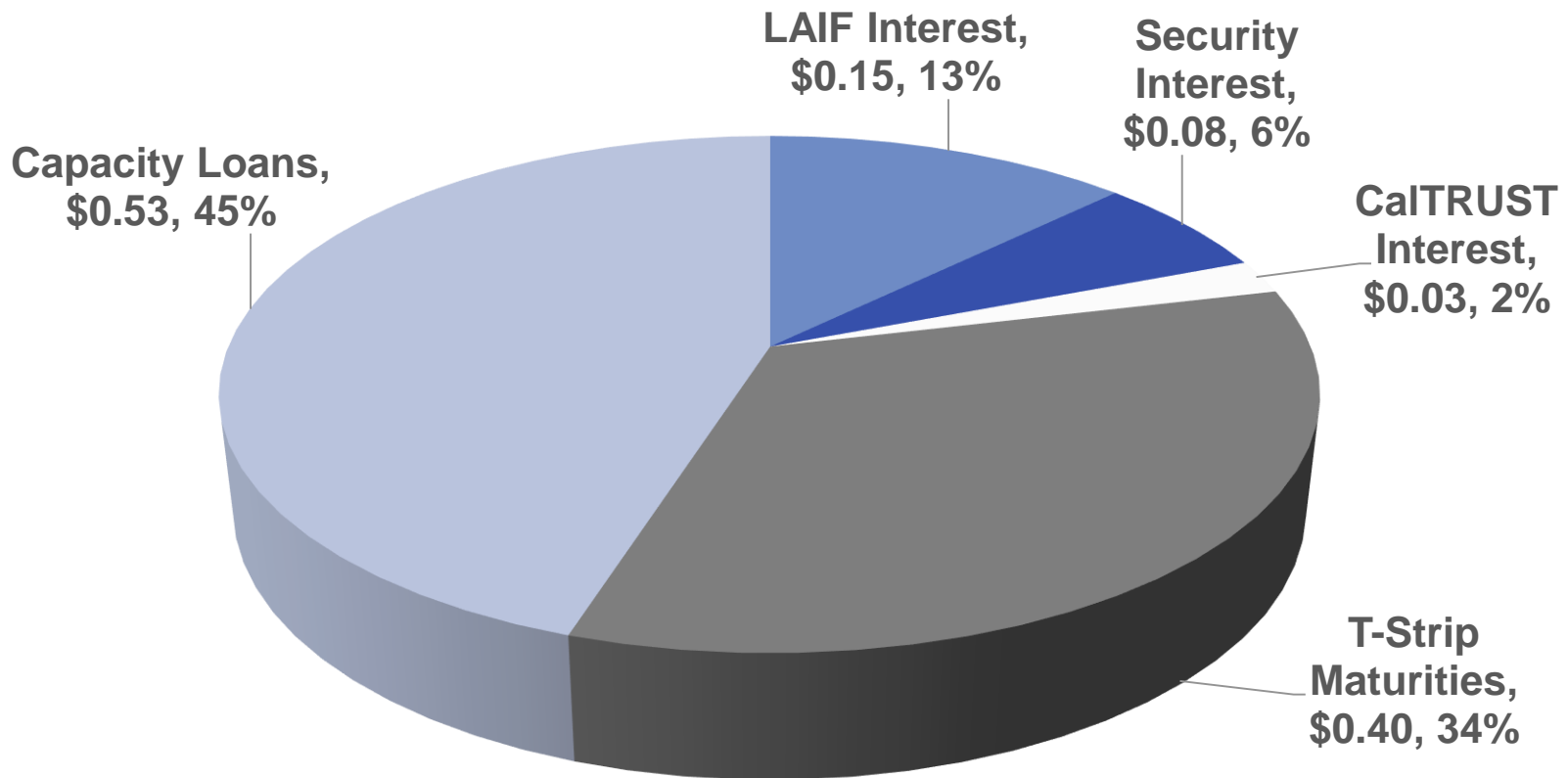
FYE 2018

Interest & Investments \$1.99 M

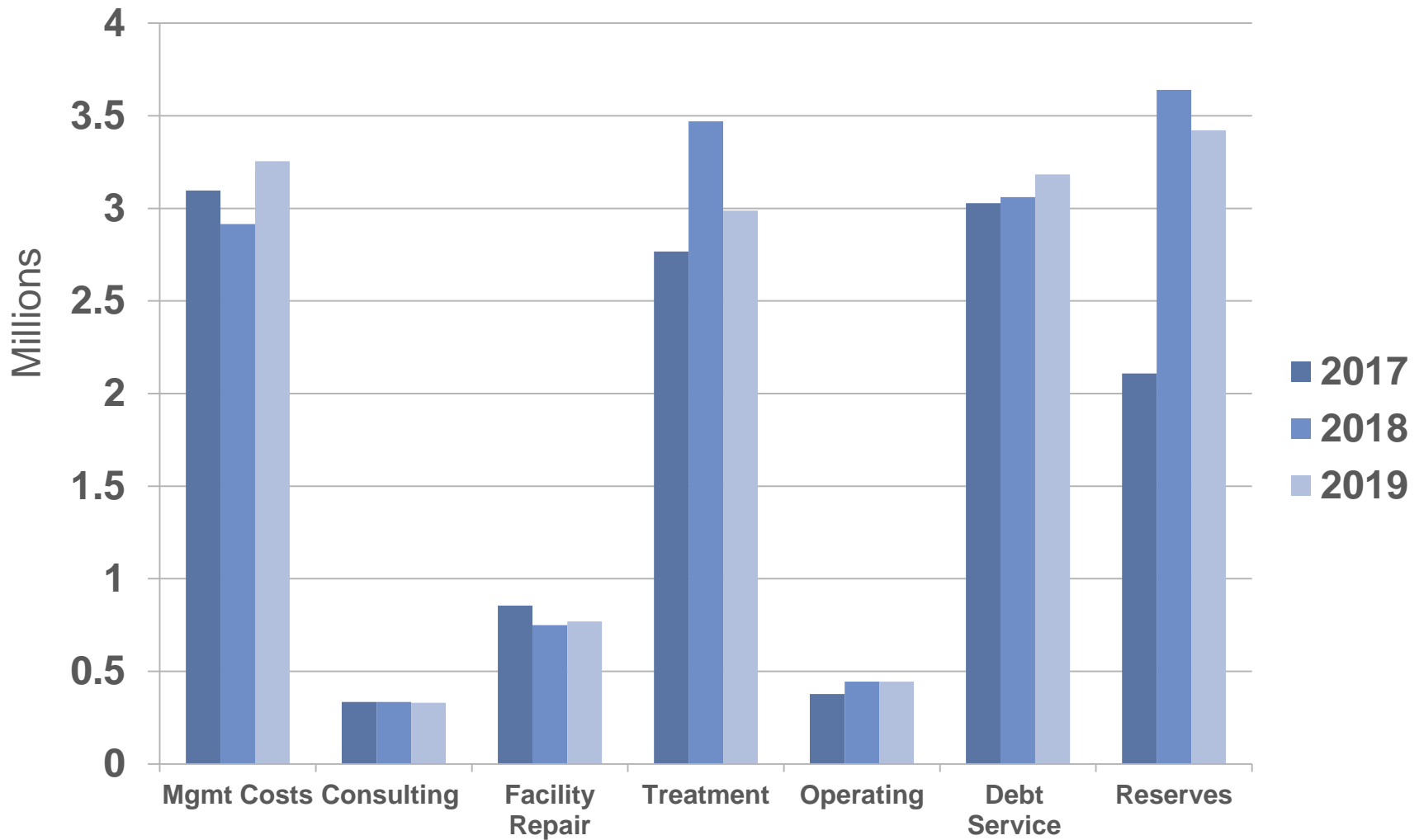


FYE 2019

Interest & Investments \$1.17 M

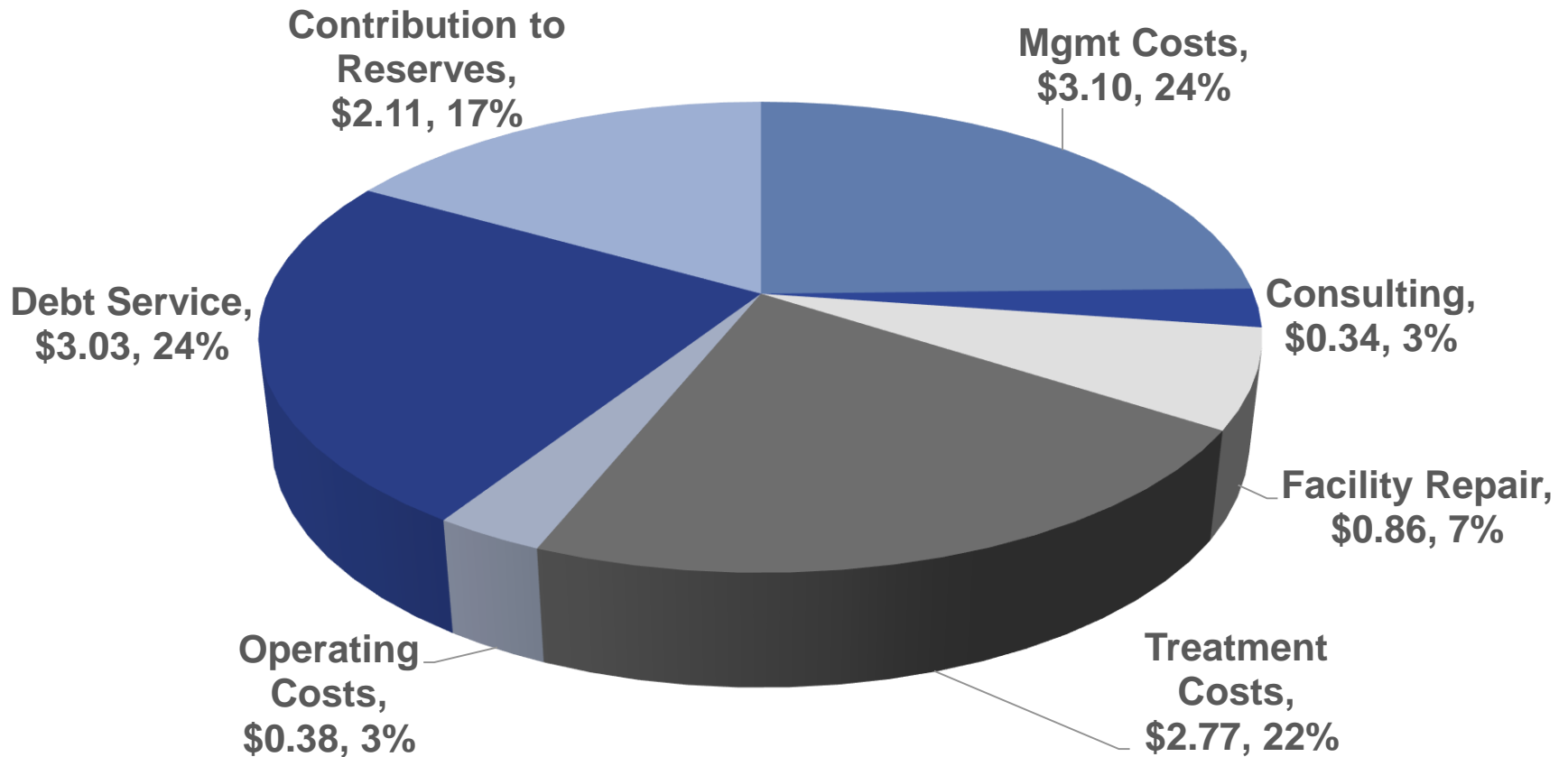


Brine Line Enterprise - Expenses



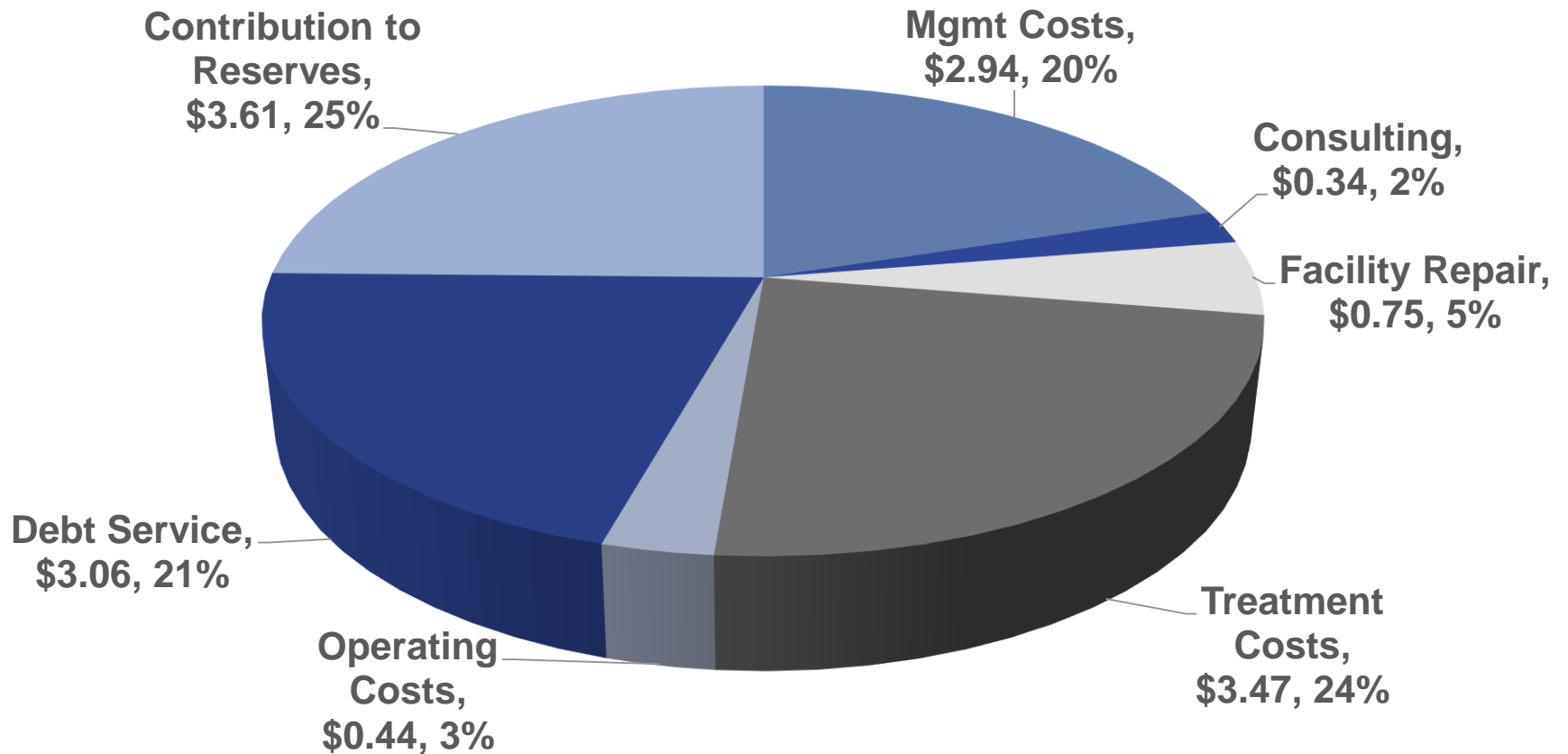
FYE 2017

Brine Line Expenses \$12.57 M



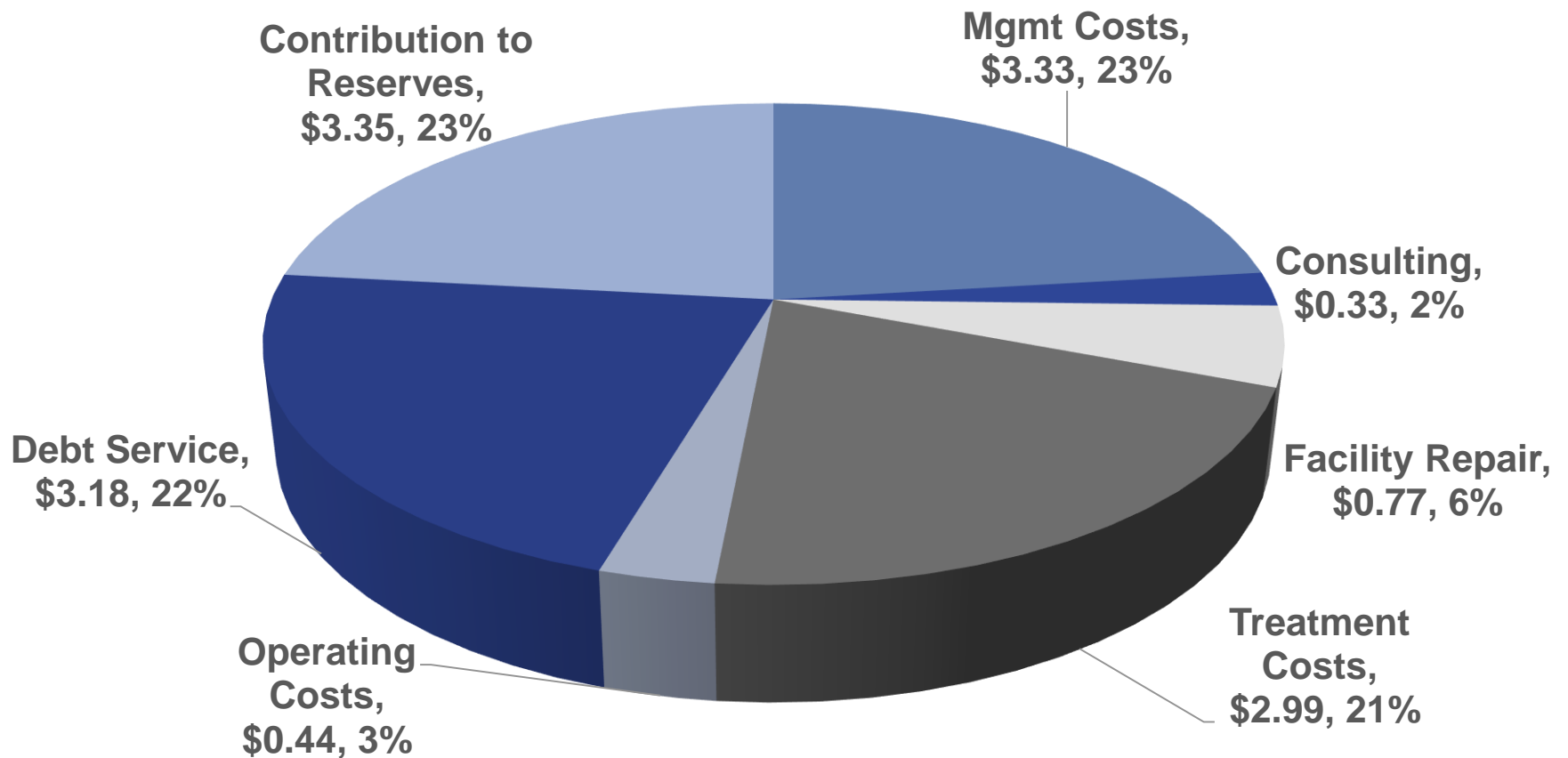
FYE 2018

Brine Line Expenses \$14.62 M

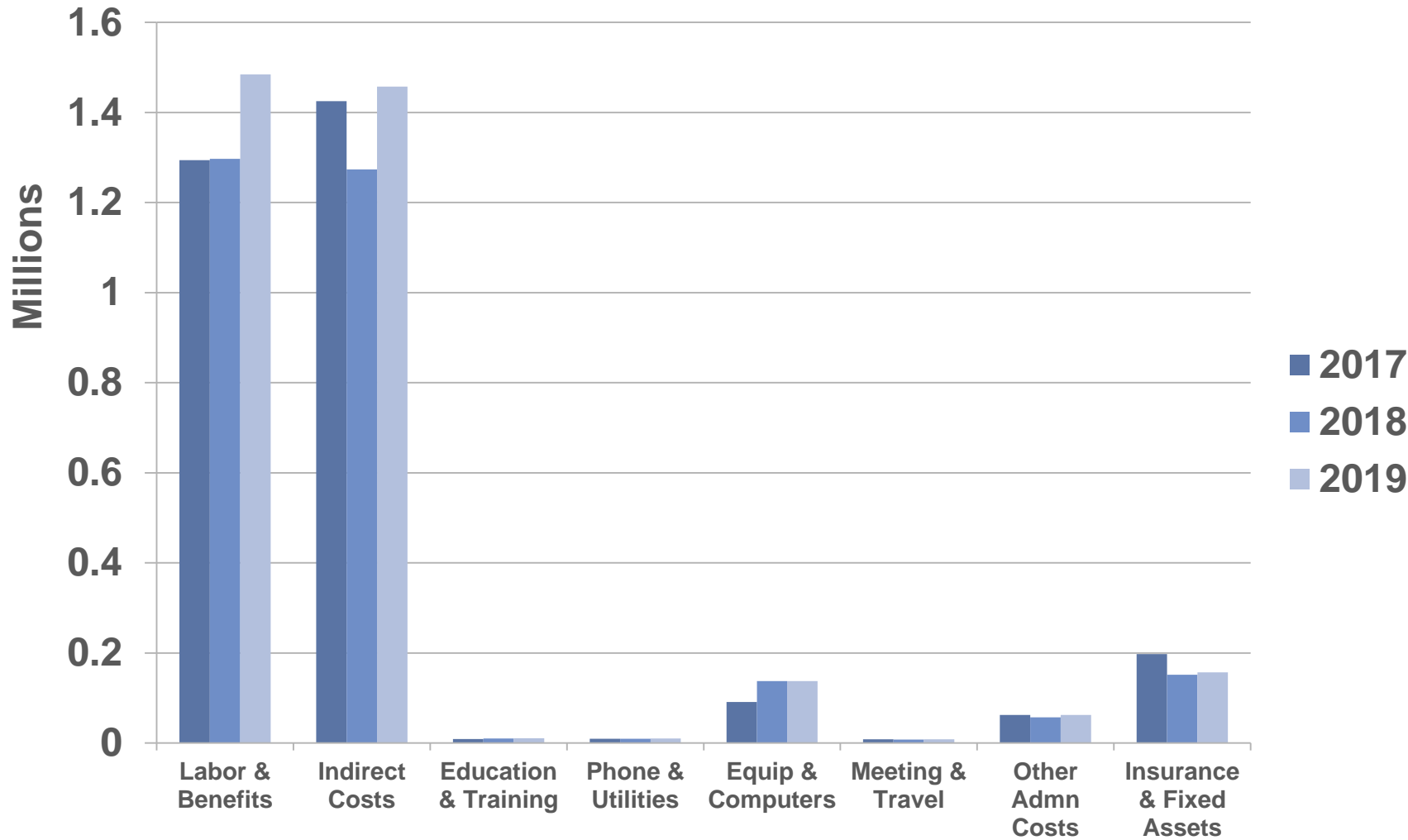


FYE 2019

Brine Line Expenses \$14.39 M

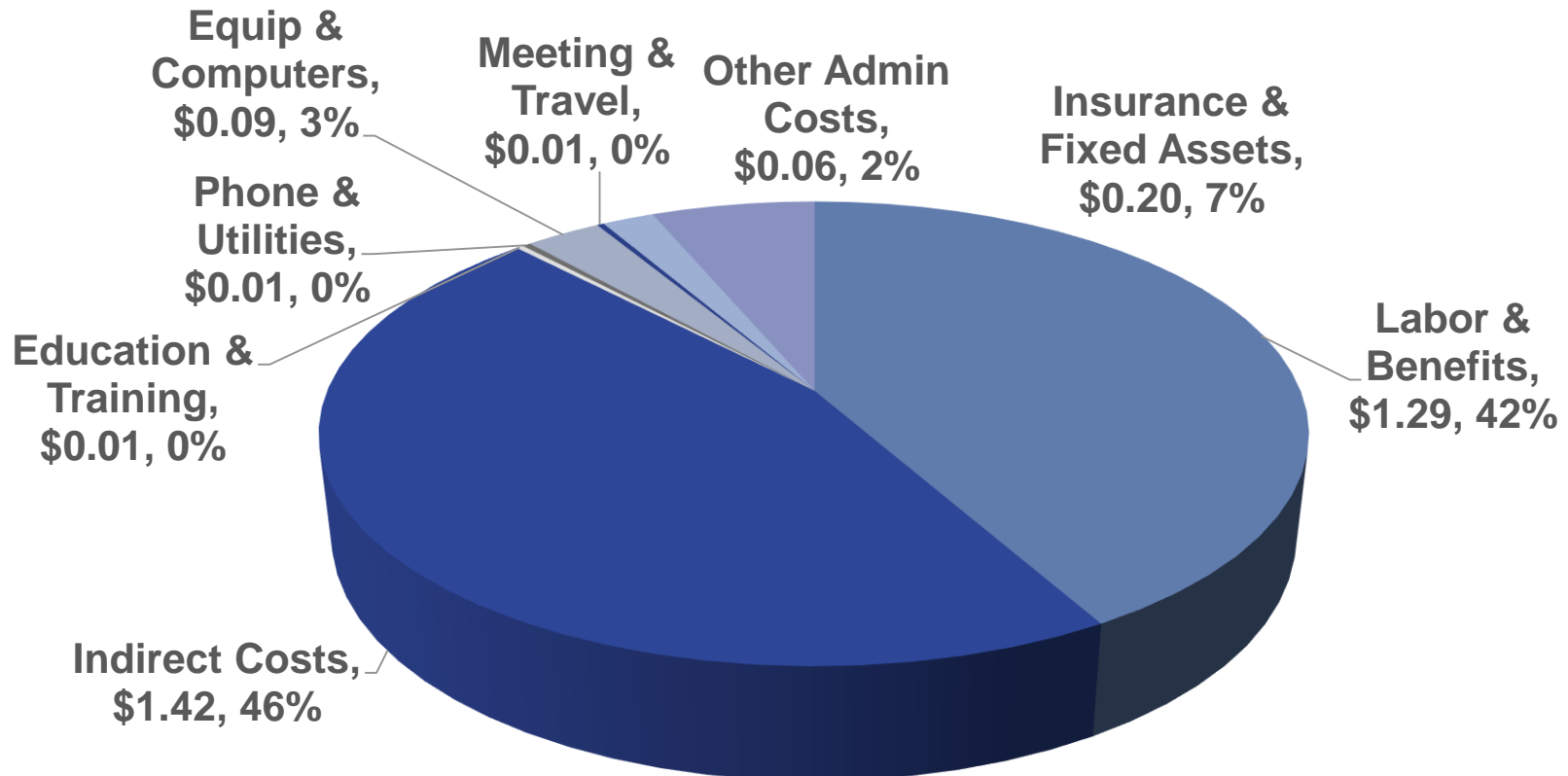


Management Costs



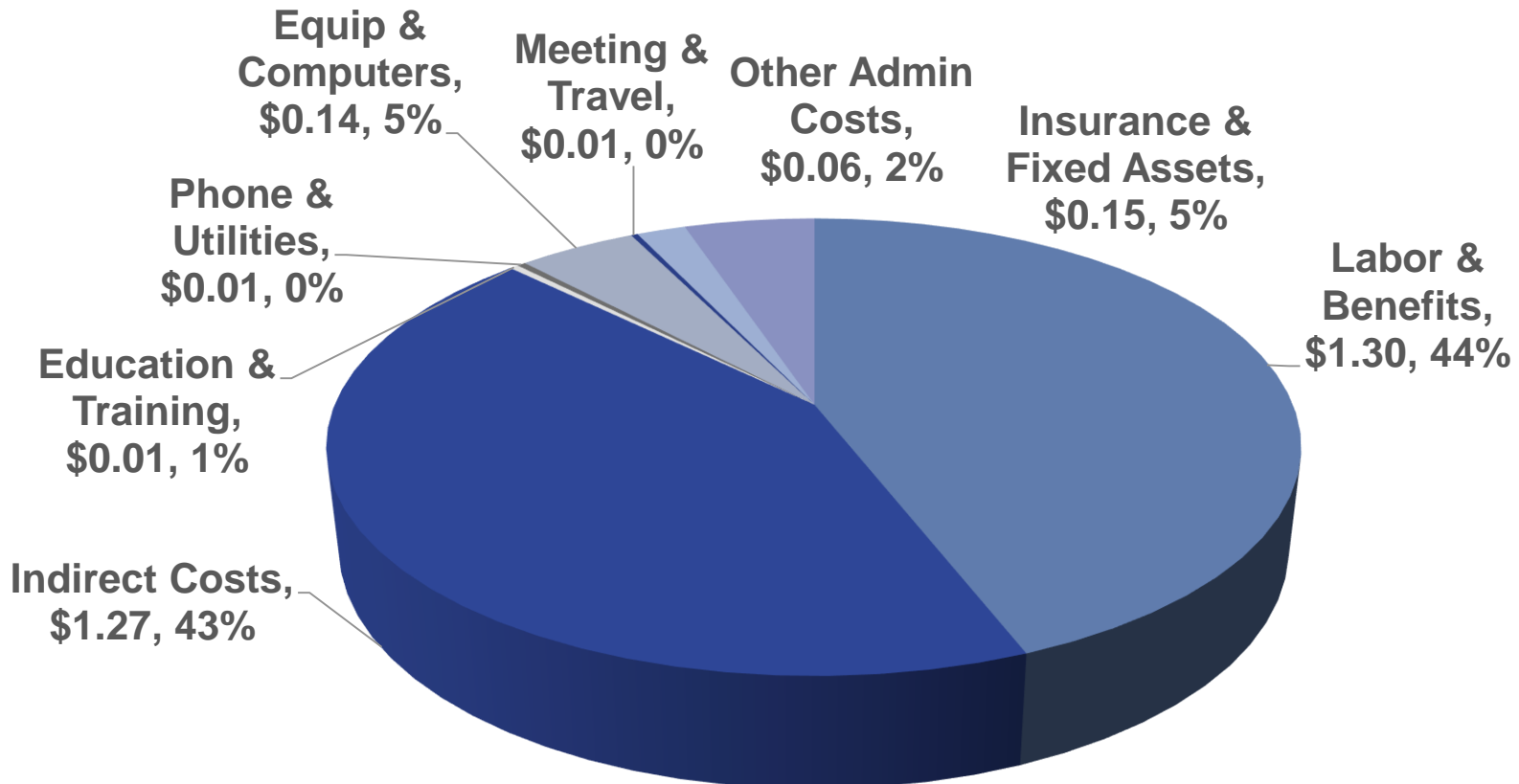
FYE 2017

Management Costs \$3.10 M



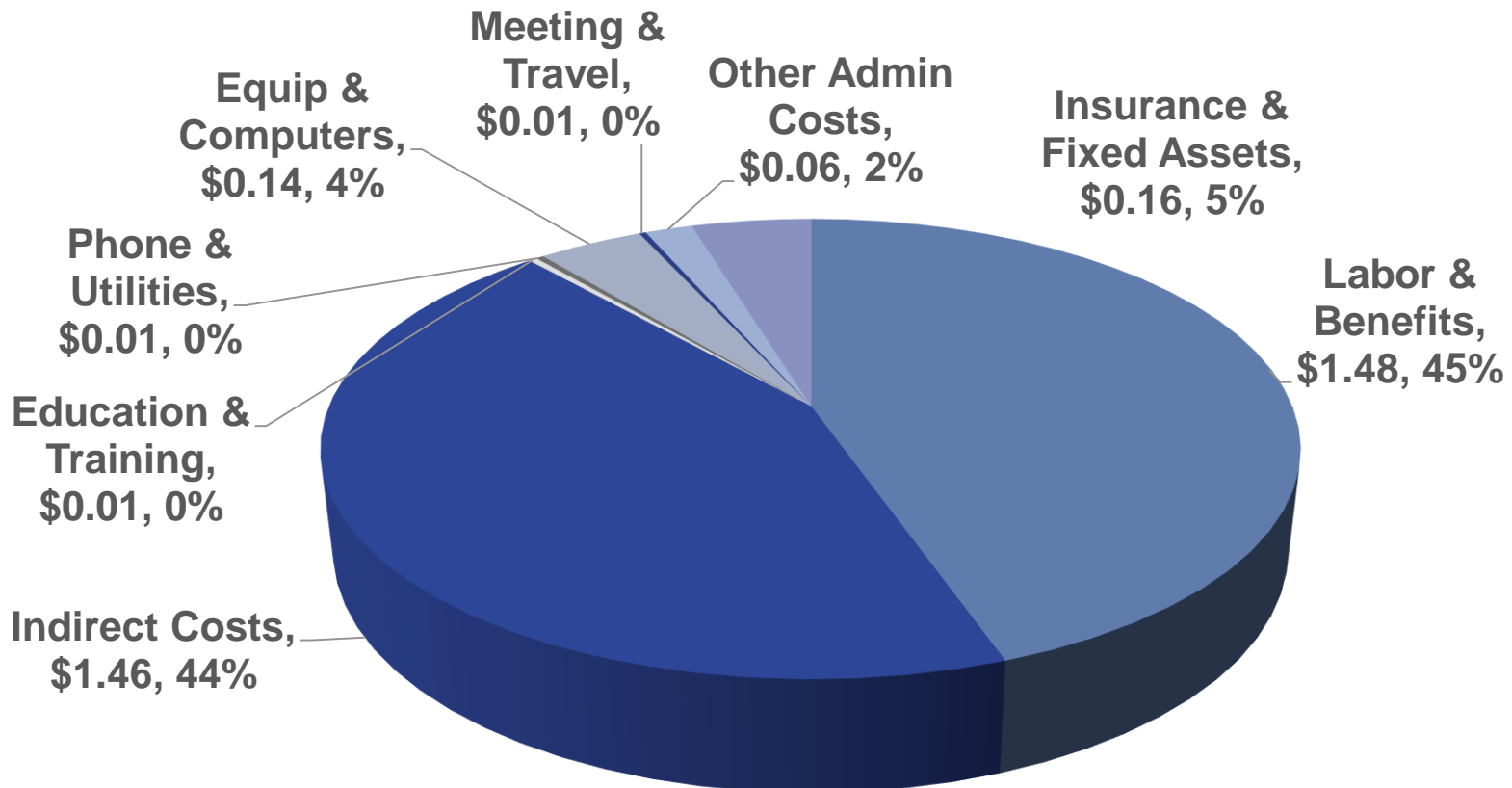
FYE 2018

Management Costs \$2.94 M

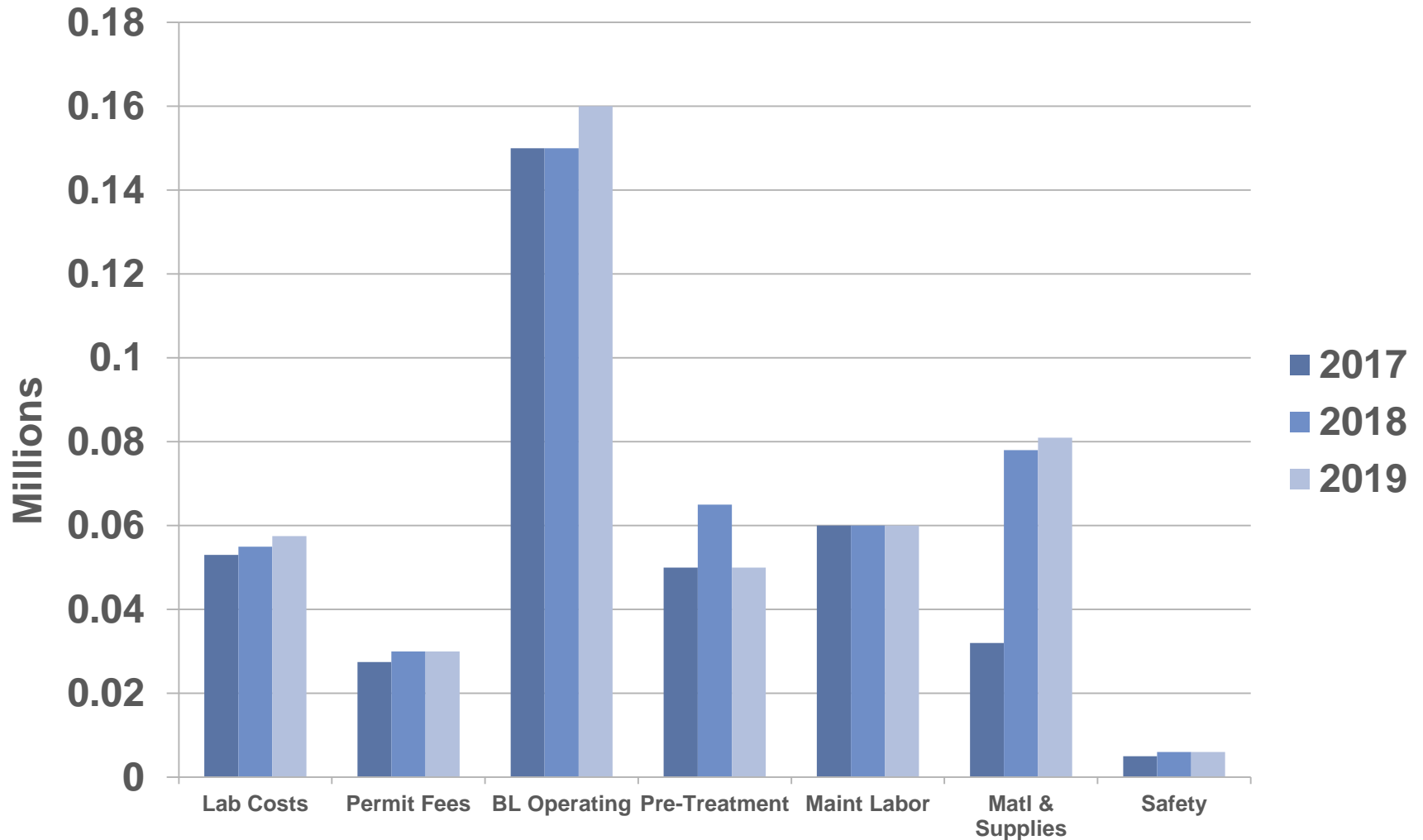


FYE 2019

Management Costs \$3.33 M

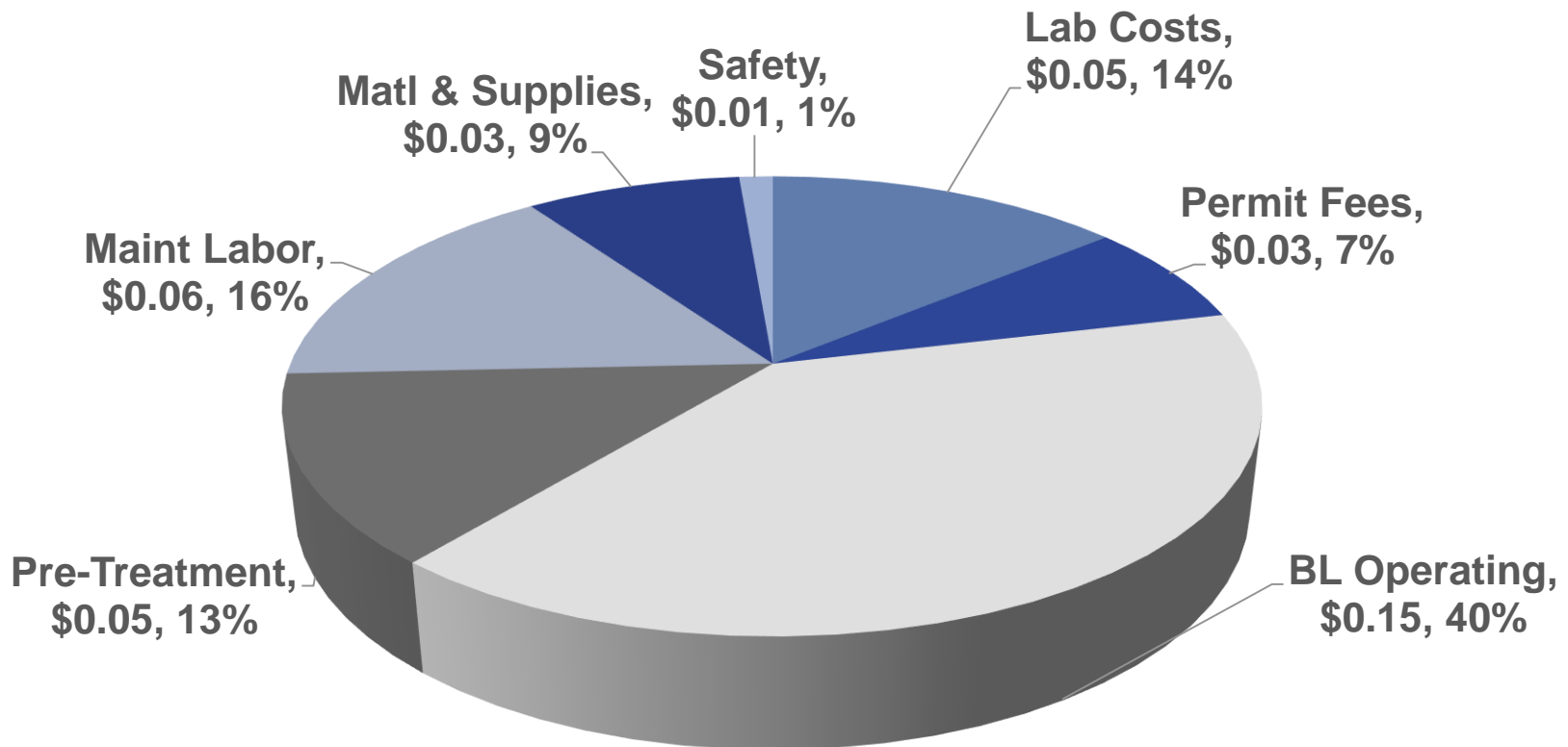


Operating Costs



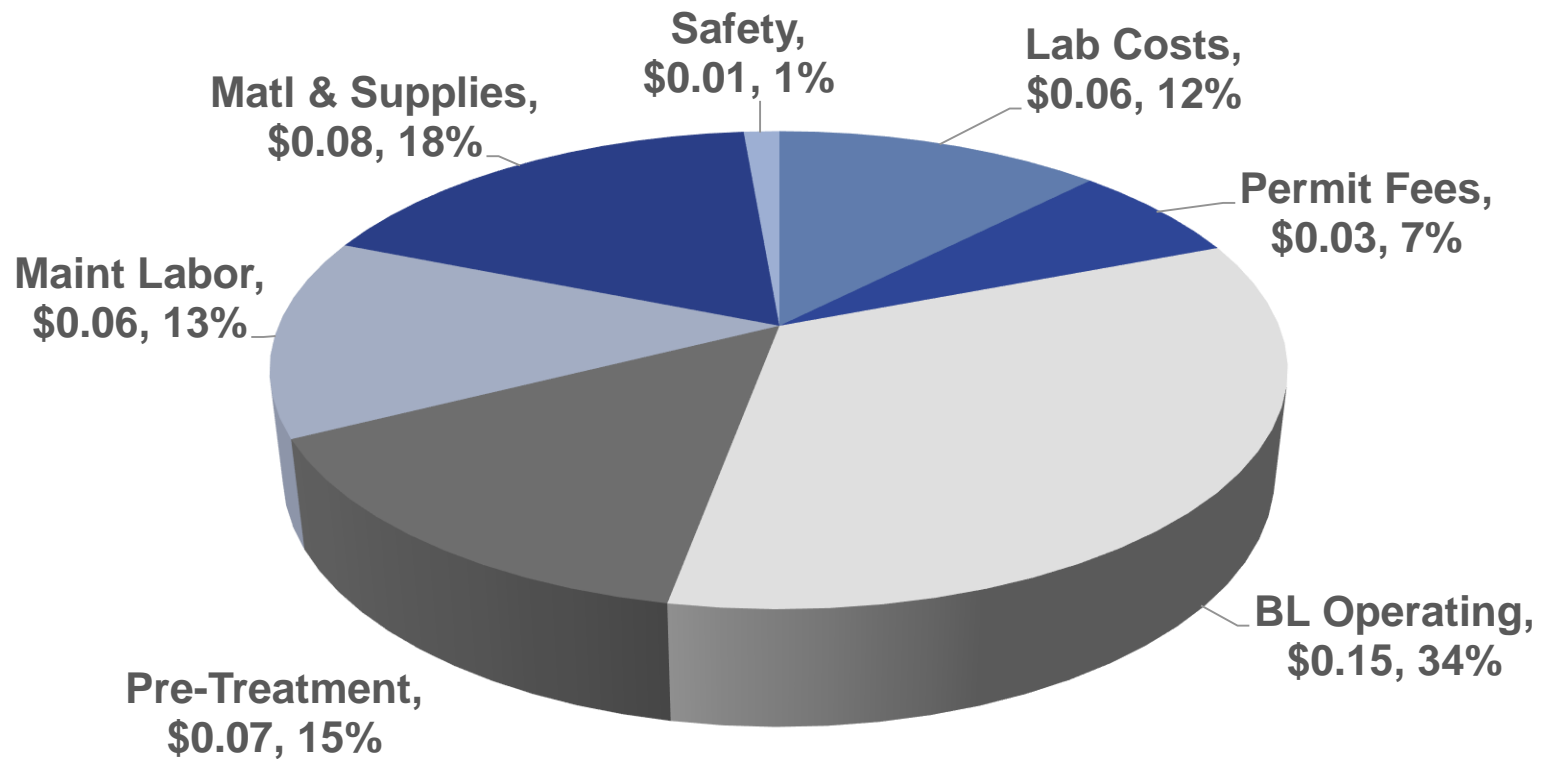
FYE 2017

Operating Costs \$0.38 M



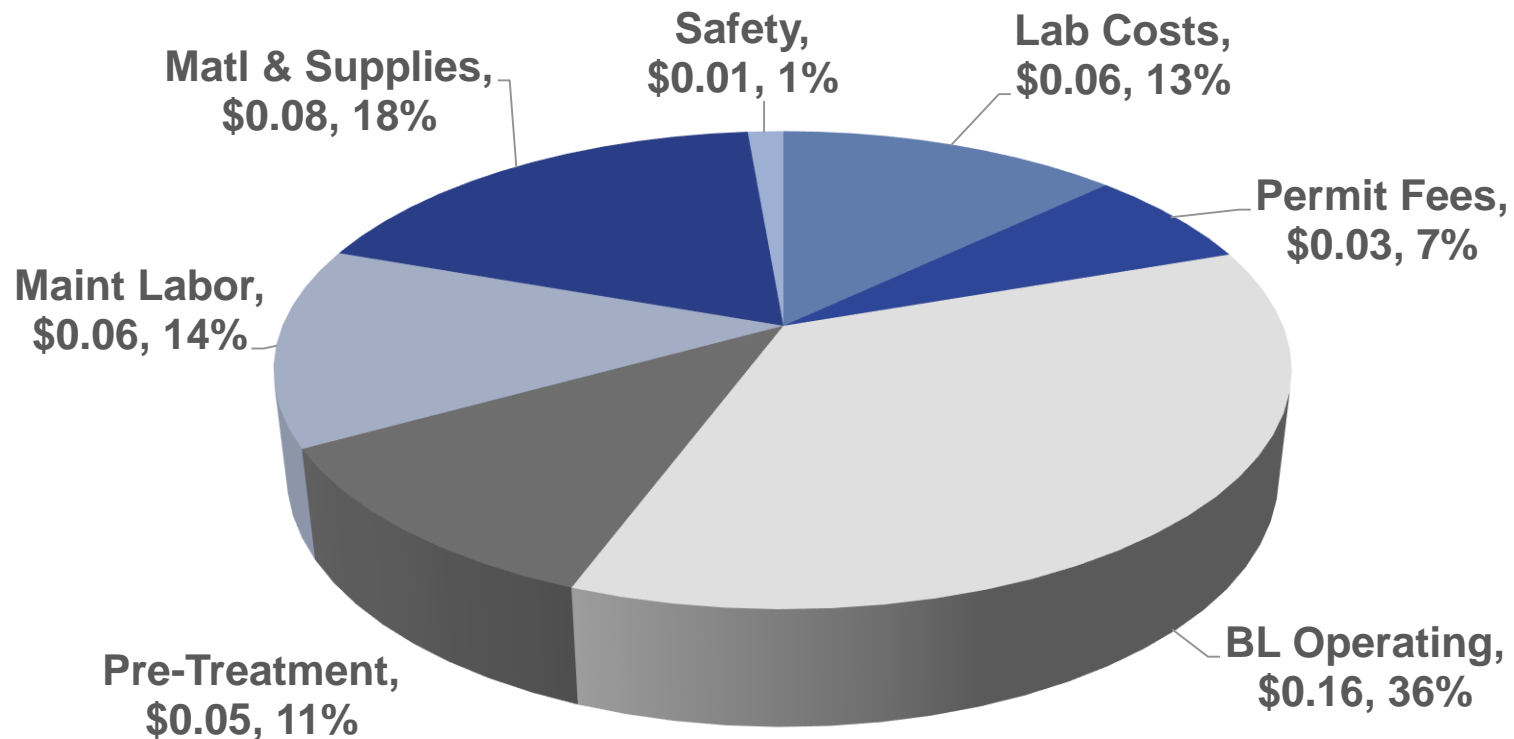
FYE 2018

Operating Costs \$0.44 M



FYE 2019

Operating Costs \$0.44 M





Debt Service Payments

Debt	FYE 2017	FYE 2018	FYE 2019
Reach V Construction – SRF Loan 1 – 4	\$1,094,147	\$1,126,278	\$1,126,578
Reach IV-A & B Capital Repair – SRF Loan	1,044,273	1,044,273	1,044,273
Reach V Capital Repair – SRF Loan	0	0	656,350
OCWD Repurchase	356,250	356,250	356,250
WRCRWA SRF Loans 1 - 3	533,918	533,918	0
Total Debt Service Payments	\$3,028,588	\$3,060,719	\$3,183,451



Debt Service Funding

Debt	Interest Rate	Final Payment	Funding Source
Reach V Construction	2.7%	10/05/21	T-Strips/Investments
Reach IV-A & B Capital Repair	2.6%	12/29/32	Rates
Reach V Capital Repair	1.9%	01/30/48	Rates
OCWD Repurchase	0%	07/01/19	T-Strips/Investments
WRCRWA	2.8%	06/01/18	T-Strips/Investments



Reserve Contributions

Fund	FYE 2017	FYE 2018	FYE 2019
Pipeline Repair/Replacement	\$1,000,000	\$1,500,000	\$1,500,000
OCSD Rehabilitation Reserve	500,000	0	0
Self Insurance Reserve	100,000	100,000	100,000
Debt Service Reserve	508,230	2,011,173	1,749,144
Total Contribution to Reserves	\$2,108,230	\$3,611,173	\$3,349,144



Reserve Transfers – FYE 2018

Fund	From	To
Pipeline Repair/Replacement	\$0	\$5,843,450
OCSD Rehabilitation Reserve	4,000,000	0
Brine Line Operating Reserve	1,843,450	0
Total Contribution to Reserves	\$5,843,450	\$5,843,450



Reserve Balance (EOY)

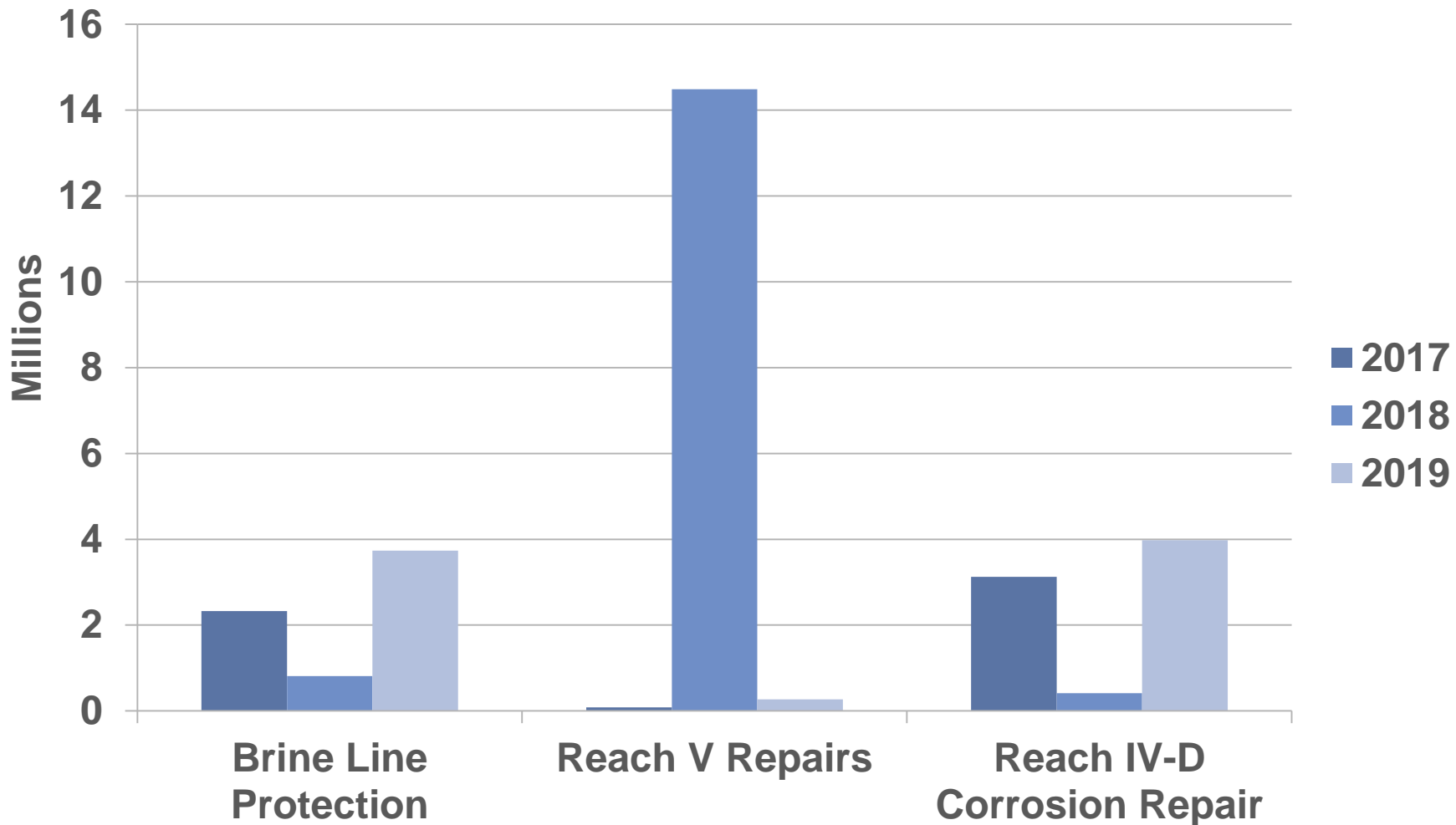
Reserve	FYE 2018	FYE 2019
Pipeline Repair/Replacement	\$13,519,815	\$13,033,783
OCSD Rehabilitation	3,491,290	491,290
OCSD Future Capacity	1,722,932	1,722,932
Self-Insurance Reserve	3,937,788	4,037,788
Flow Imbalance Reserve	83,645	83,645
Debt Service Reserve	4,649,603	2,501,741
Capacity Management	7,815,546	7,815,546
Operating Reserve	2,000,000	2,000,000
Total Reserves	\$37,220,618	\$31,686,725



Proposed Brine Line Rates

Component	Actual FYE 2017	FYE 2018	FYE 2019
Flow	\$858 ^{+5%} →	\$901 ^{+5%} →	\$946
BOD (per 1,000 lbs.)	\$307 ^{+5%} →	\$322 ^{+5%} →	\$330
TSS (per 1,000 lbs.)	\$429 ^{+5%} →	\$450 ^{+5%} →	\$462
Fixed Pipeline	\$5,639 ^{+5%} →	\$5,921 ^{+5%} →	\$6,217
Fixed Treatment	\$11,433 ^{+5%} →	\$12,007 ^{+5%} →	\$12,607

Capital Improvement Projects





Brine Line Protection

Reach V Repairs

Reach IV-D Corrosion Repair

Reserves

SRF Loan

SRF Loan

Reserves

Reserves



Capital Project Funding – FYE 2018

Project	Reserves	SRF Loan	Total
Brine Line Protection	\$812,572	\$0	\$812,572
Reach V Repairs	6,987,574	7,500,000	14,487,574
Reach IV-D Corrosion Repairs	414,386	0	414,386
Total	\$8,214,532	\$7,500,000	\$15,714,532



Capital Project Funding – FYE 2019

Project	Reserves	SRF Loan	Total
Brine Line Protection	\$3,736,548	\$0	\$3,736,548
Reach V Repairs	269,167	0	269,167
Reach IV-D Corrosion Repairs	980,317	3,000,000	4,986,032
Total	\$4,986,032	\$3,000,000	\$7,986,032



Brine Line Statistics

Project	FYE 2018	FYE 2019
Staff Hours for Operations & Capital	20,726	20,765
Full Time Equivalentents (FTE)	10	10
% of Indirect Costs paid	54.44%	55.14%
Total of Indirect Costs paid	\$1,606,248	\$1,721,340

A close-up photograph of a silver fountain pen nib resting on a document. The document features a line graph with a blue line and some text, including the word 'WATER' and months like 'Feb.', 'Apr.', and 'Jun.'. The background is a gradient of blue.

OWOW Fund Budget

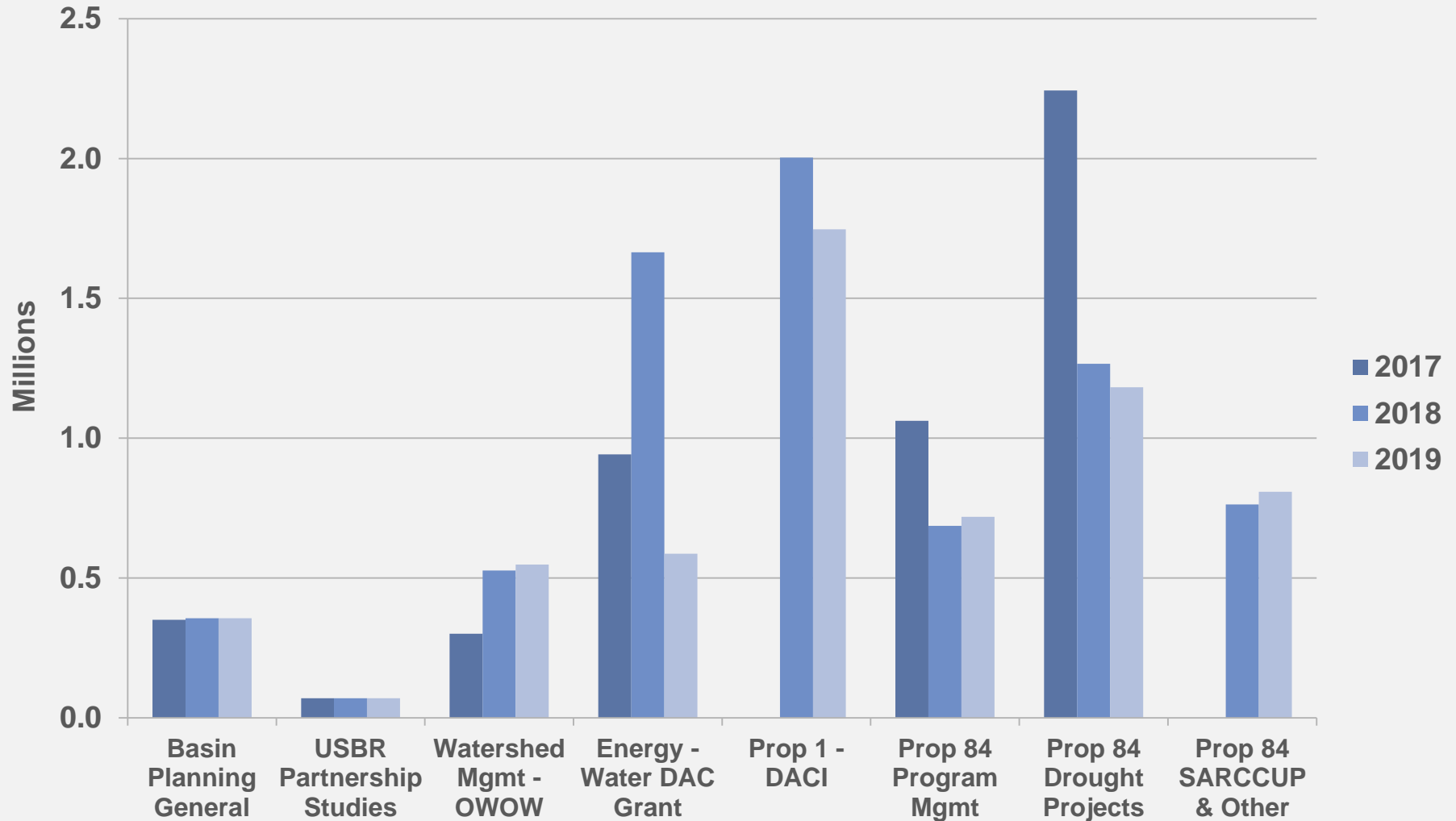




OWOW Fund

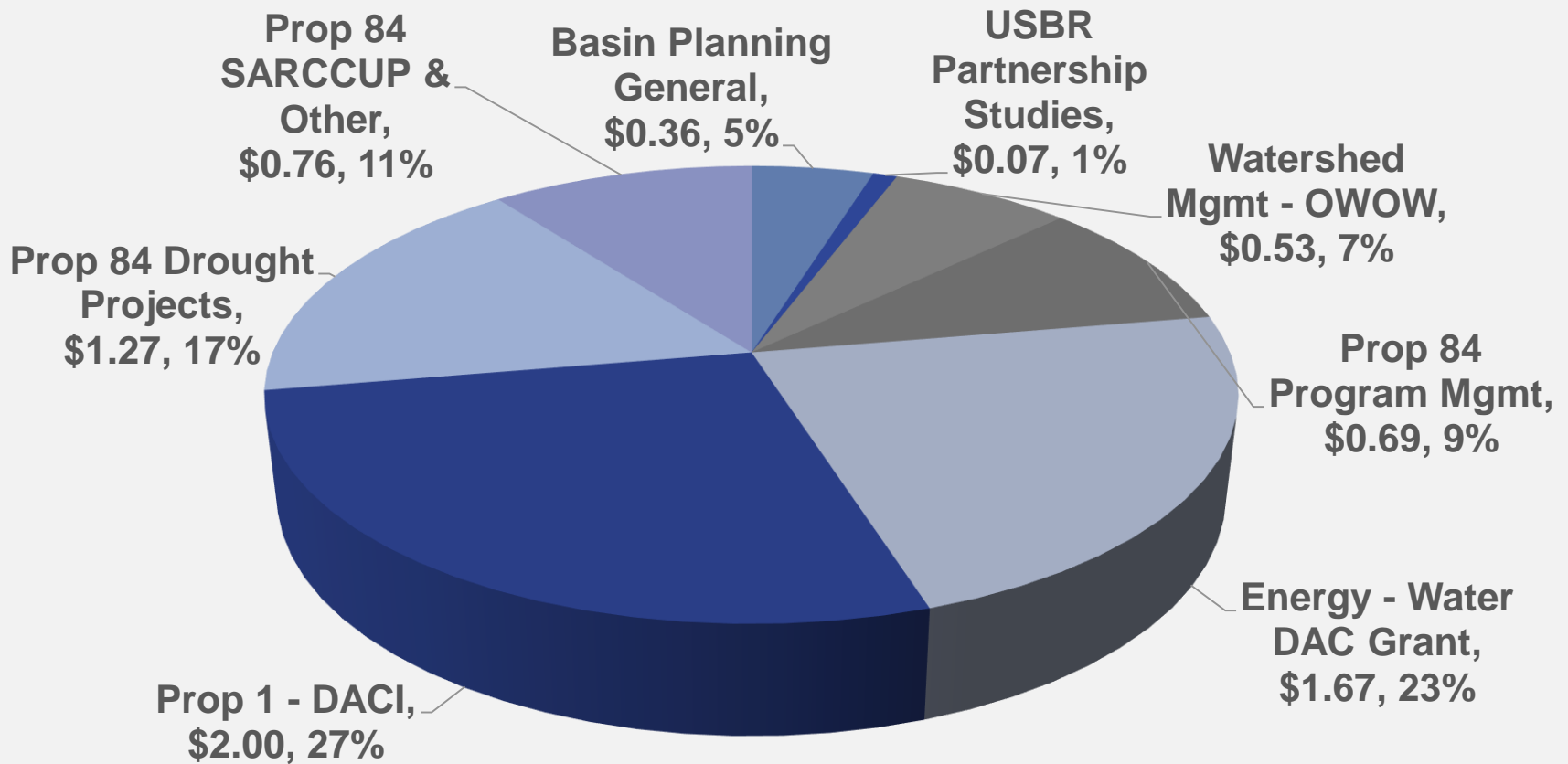
Fund Number	Fund Title
370-01	Basin Planning General
370-02	USBR Partnership Studies
373	Watershed Management - OWOW
130 – 145	Prop 84 Program Management (All Rounds)
397	Energy – Water DAC Grant Project
398	Proposition 1 - DACI
504	Prop 84 Round I & II Capital Projects (Passthrough)
504-00	Prop 84 Drought Capital Projects
504-04	Prop 84 SARCCUP & Other Projects

OWOW Funds - Revenues



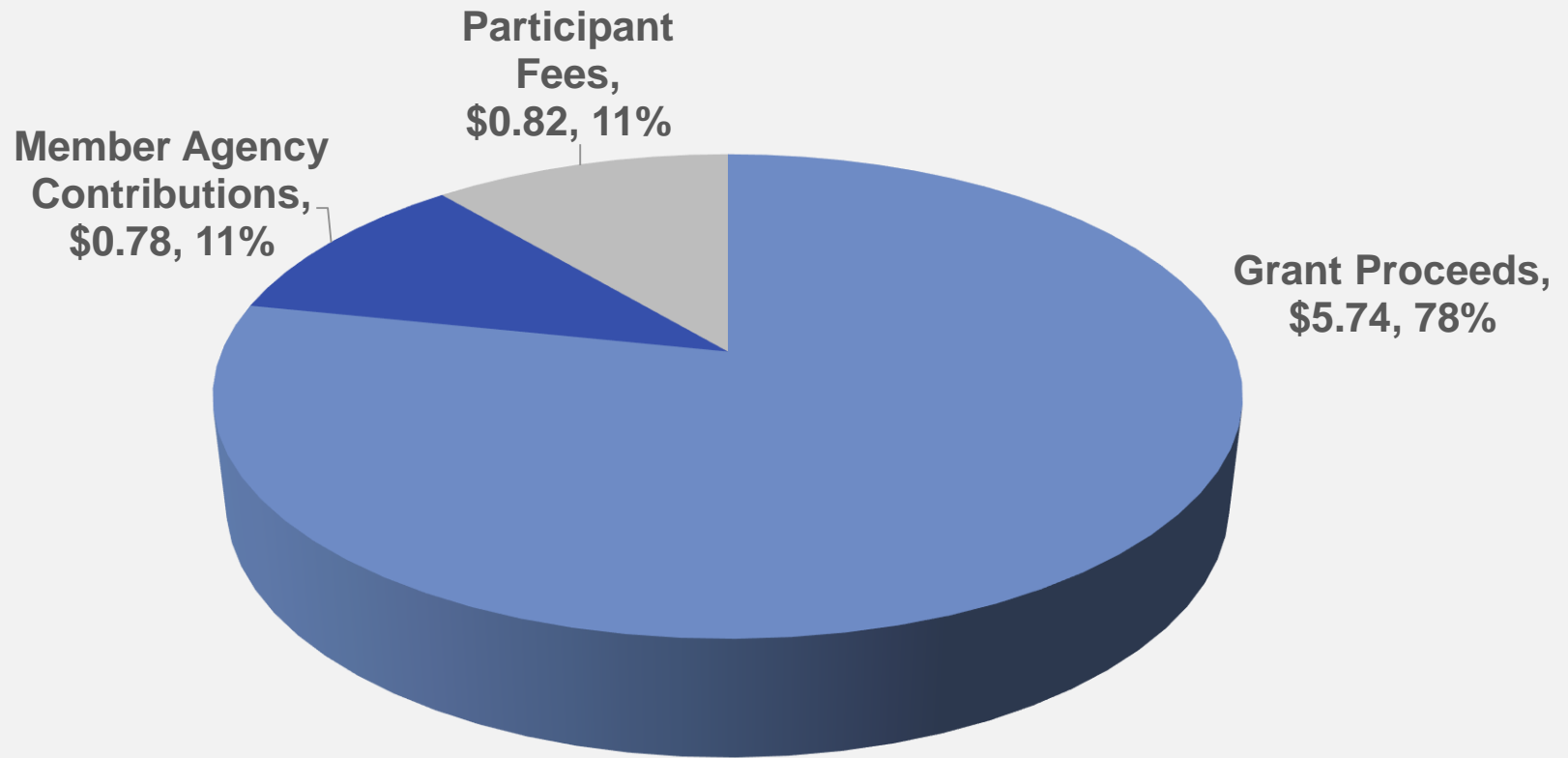
FYE 2018

Revenues \$7.34 M



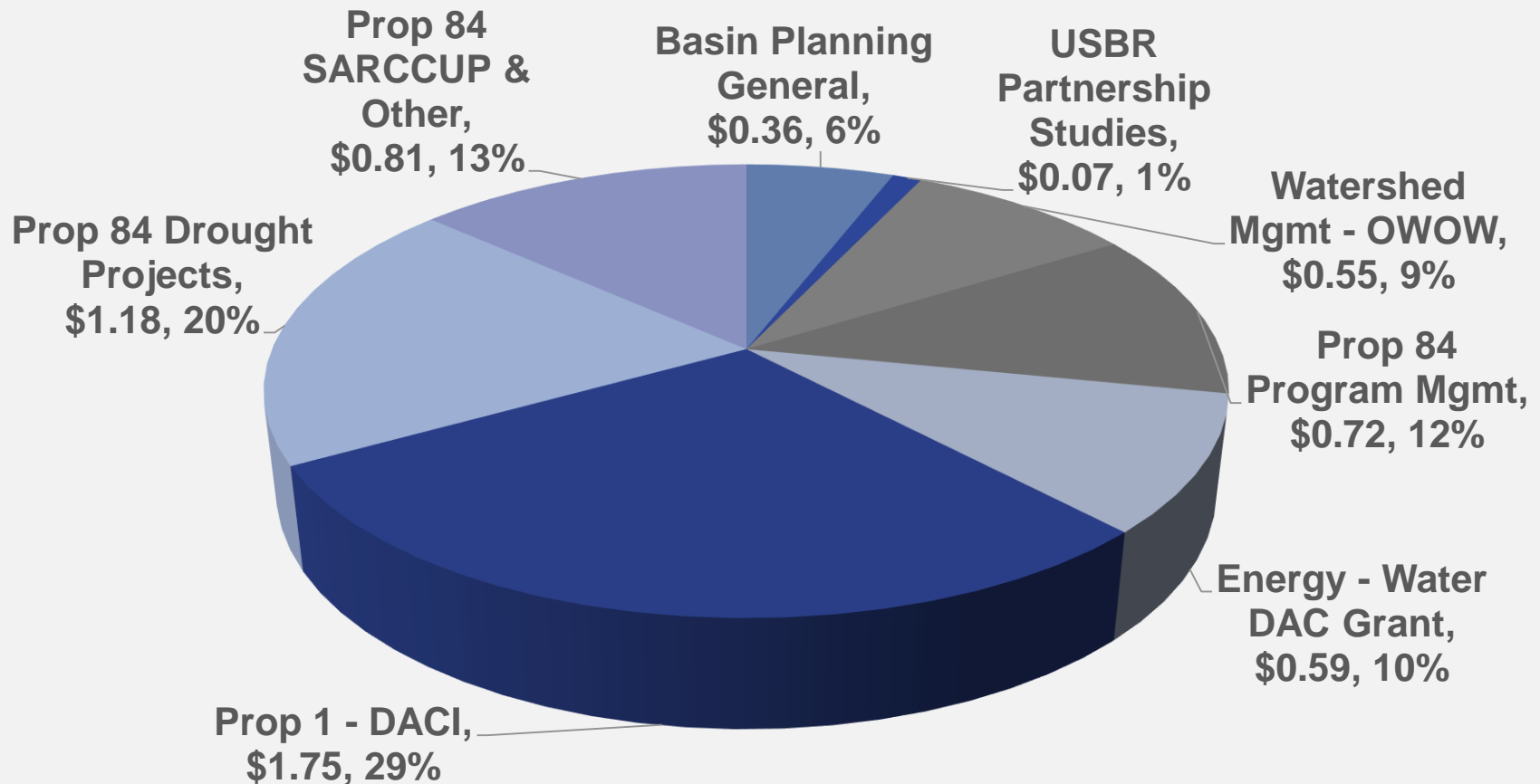
FYE 2018

Revenues \$7.34 M



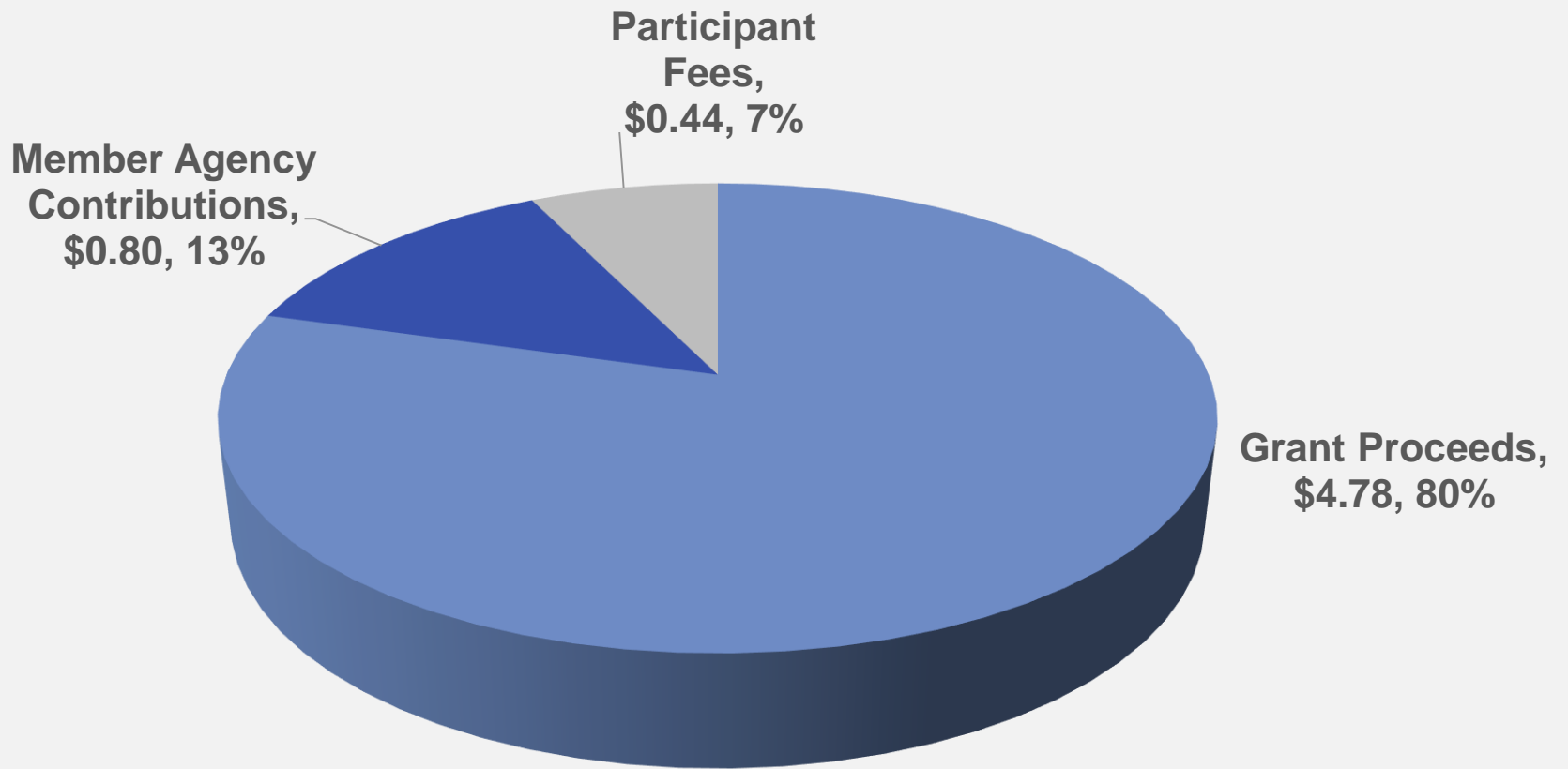
FYE 2019

Revenues \$6.02 M



FYE 2019

Revenues \$6.02 M





Member Agency Contributions

Fund	FYE 2017	FYE 2018	FYE 2019
Basin Planning General	\$350,000	\$356,000	\$356,000
USBR Partnership Studies	20,000	20,000	20,000
Watershed Management - OWOW	300,000	400,000	425,000
Total	\$670,000	\$776,000	\$801,000



Grant Proceeds

Fund	FYE 2017	FYE 2018	FYE 2019
USBR Partnership Studies	\$50,000	\$50,000	\$50,000
Watershed Management - OWOW	0	127,000	123,000
Prop 84 Program Management (all rounds)	1,062,225	686,522	718,154
Energy – Water DAC Grant Project	941,539	1,300,000	586,816
Proposition 1 – DACI	0	2,003,206	1,747,121
Prop 84 Drought Capital Projects	2,243,172	1,265,683	1,182,042
Prop 84 SARCCUP & Other Projects	0	308,885	370,123
Total	\$4,296,936	\$5,741,297	\$4,777,256



Participant Fees

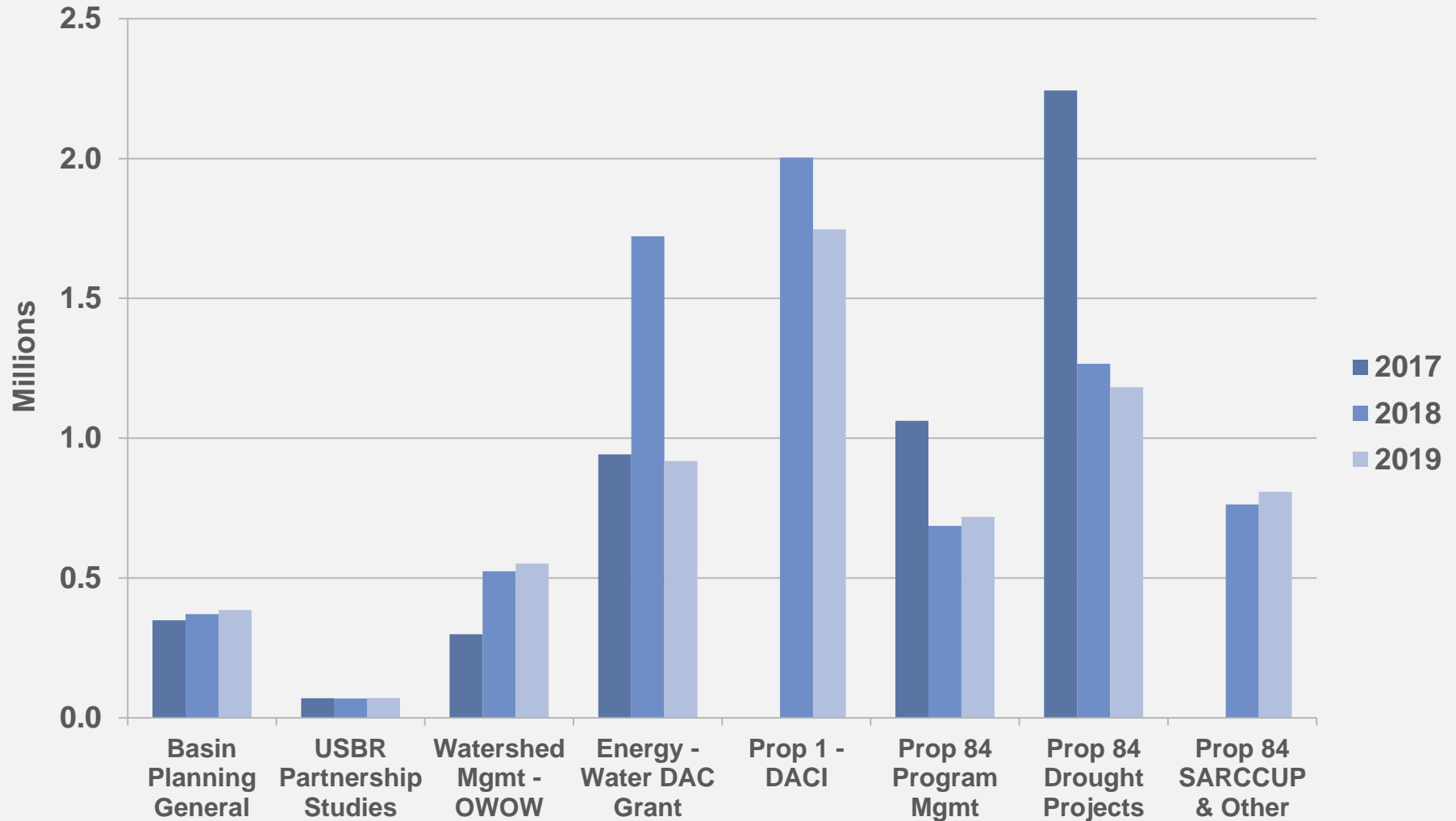
Fund	FYE 2017	FYE 2018	FYE 2019
Energy – Water DAC Grant Project	\$0	\$365,000	\$0
Prop 84 SARCCUP & Other Projects	0	453,612	437,722
Total	\$0	\$818,612	\$437,722



Prop 84 Projects (passthrough)

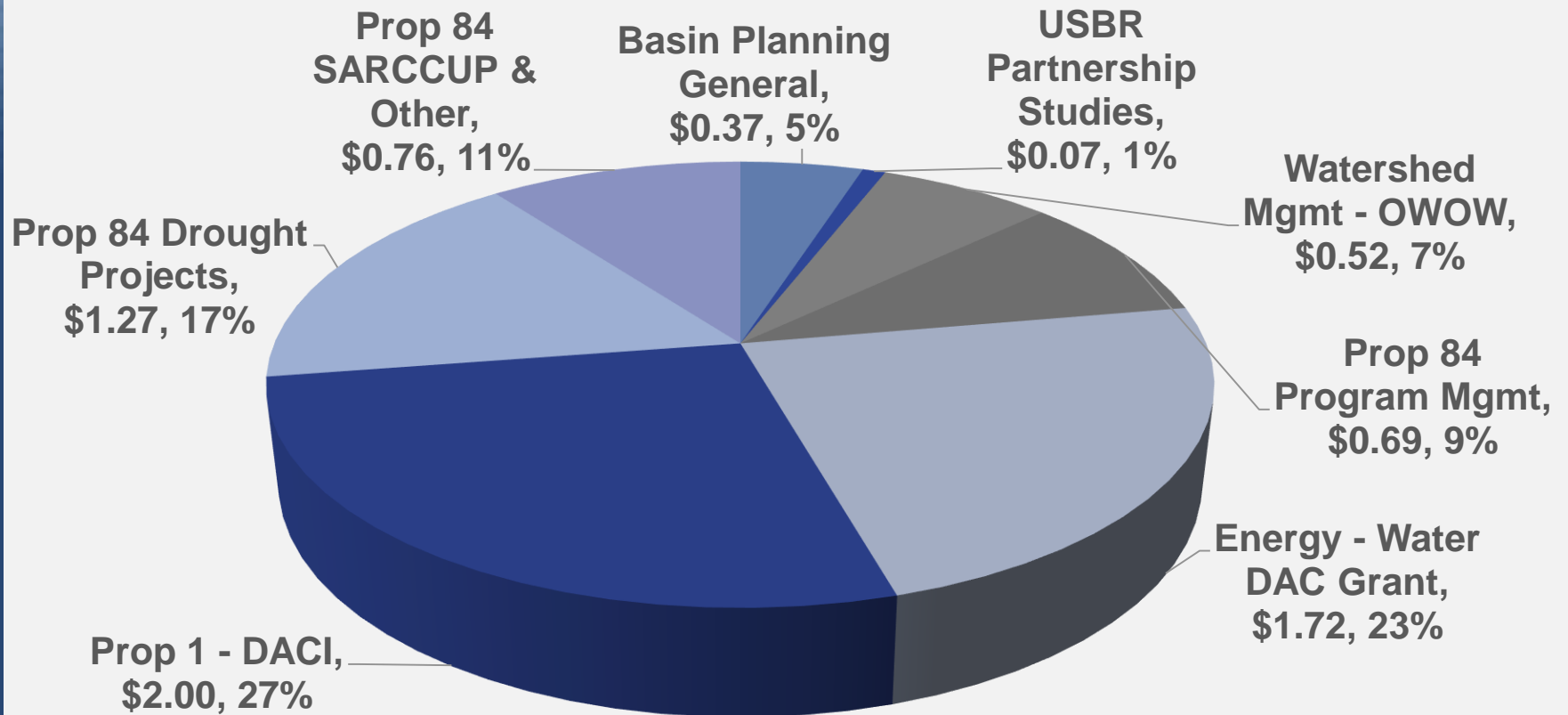
Fund	FYE 2017	FYE 2018	FYE 2019
Prop 84 Projects – Round I	\$750,000	\$750,000	\$0
Prop 84 Projects – Round II	4,008,806	6,780,247	2,075,000
Prop 84 Project – Drought Round	1,622,500	4,133,341	100,000
Prop 84 – Final Round (SARCCUP)	0	9,416,637	10,612,335
Total	\$6,381,306	\$21,080,225	\$12,787,335

OWOW Fund - Expenses



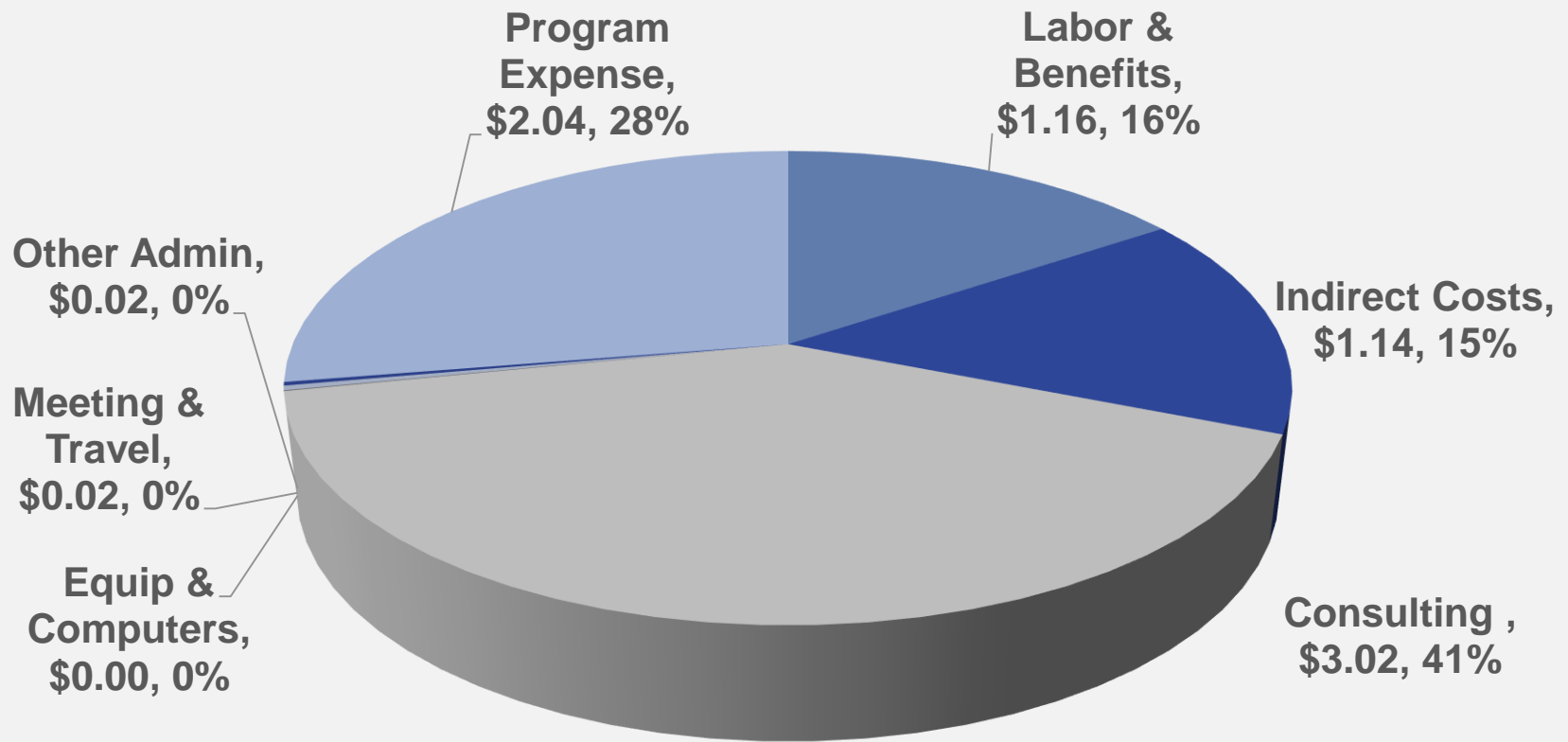
FYE 2018

Expenses \$7.40 M



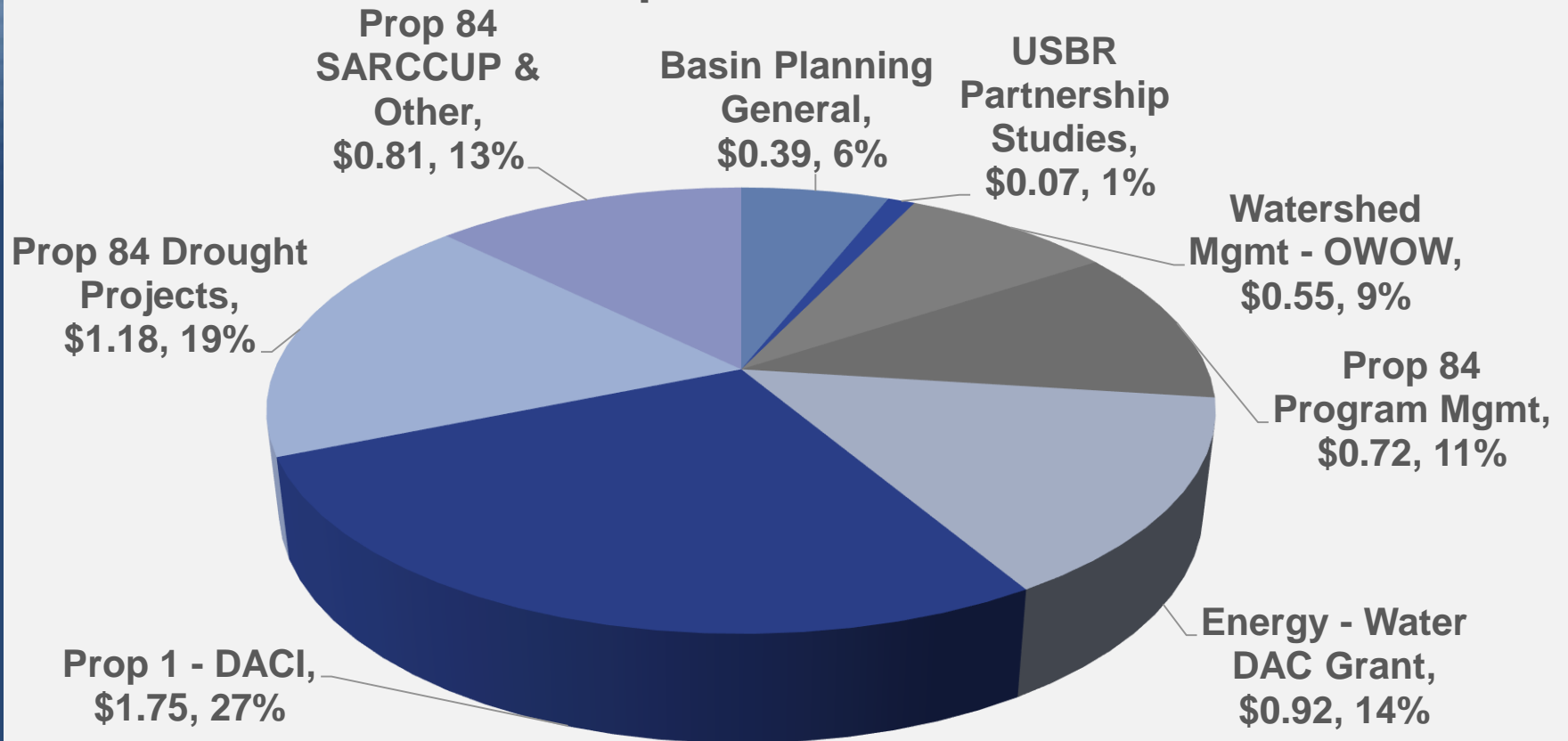
FYE 2018

Expenses \$7.40 M



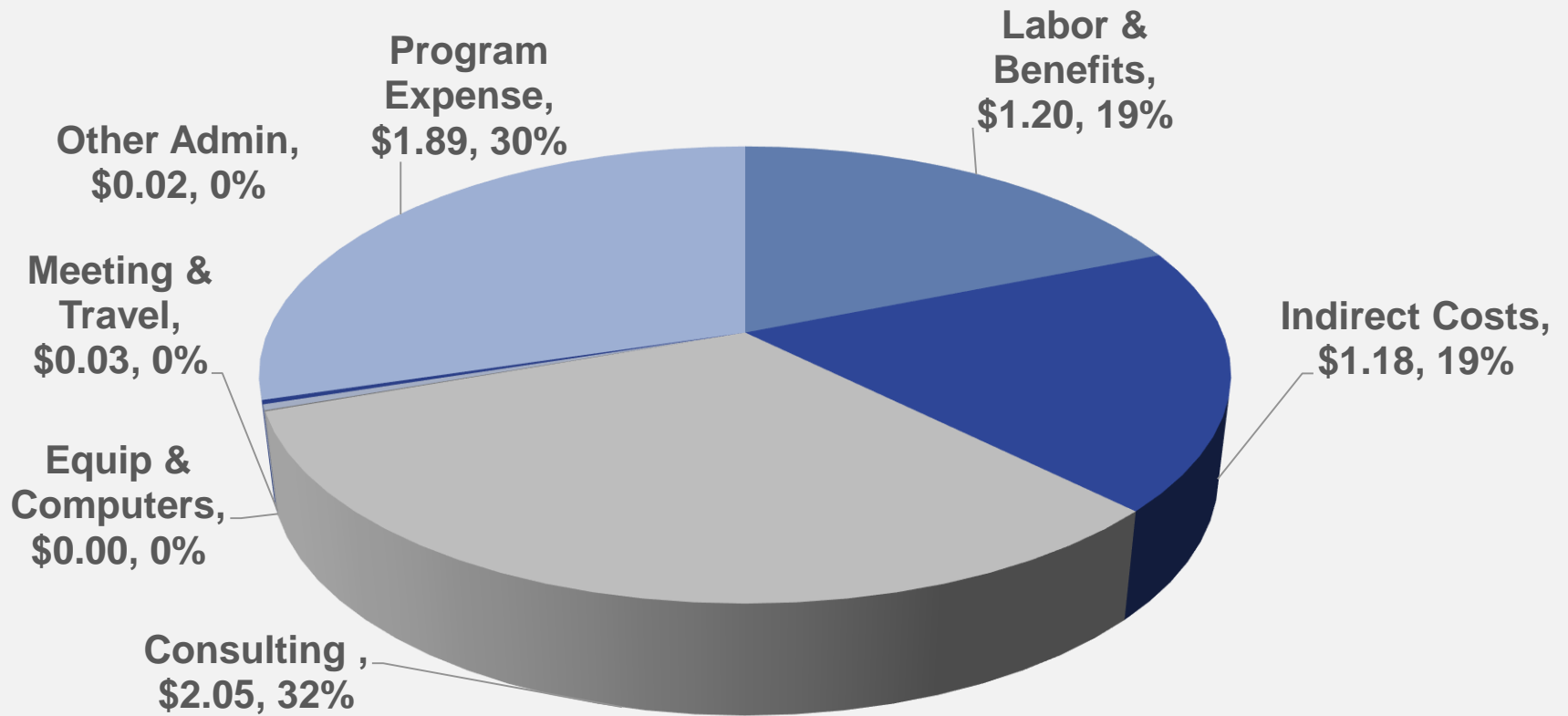
FYE 2019

Expenses \$6.38 M



FYE 2019

Expenses \$6.38 M





Expenses

Fund	FYE 2017	FYE 2018	FYE 2019
Basin Planning General	\$348,350	\$371,009	\$385,131
USBR Partnership Studies	69,853	69,178	70,365
Watershed Management – OWOW	298,725	523,362	551,346
Prop 84 Program Management (all rounds)	1,062,225	686,522	718,154
Energy – Water DAC Grant Project	941,539	1,721,860	918,104
Proposition 1 – DACI	0	2,003,206	1,747,121
Prop 84 Drought Capital Projects	2,243,172	1,265,683	1,182,042
Prop 84 SARCCUP & Other Projects	0	762,496	807,844
Total	\$4,963,864	\$7,403,317	\$6,380,106



Fund Balance FYE 2018

Fund	Projected Fund Balance 06/30/17	Revenues	Expenses	Fund Balance 06/30/18
Basin Planning General	\$45,039	\$356,000	\$371,009	\$30,029
USBR Partnership Studies	22,817	70,000	69,178	23,639
Watershed Management - OWOW	1,060	527,000	523,362	4,698
Prop 84 Program Management (all)	0	686,522	686,522	0
Energy – Water DAC Grant Project	388,341	1,665,000	1,721,860	331,481
Proposition 1 - DACI	0	2,003,206	2,003,206	0
Prop 84 Drought Capital Projects	0	1,265,683	1,265,683	0
Prop 84 SARCCUP & Other Projects	0	762,496	762,496	0
Total	\$457,257	\$7,335,908	\$7,403,317	\$389,847



Fund Balance FYE 2019

Fund	Projected Fund Balance 06/30/18	Revenues	Expenses	Fund Balance 06/30/19
Basin Planning General	\$30,029	\$356,000	\$385,131	\$898
USBR Partnership Studies	23,639	70,000	70,365	23,274
Watershed Management - OWOW	4,698	548,000	551,346	1,352
Prop 84 Program Management (all)	0	718,154	718,154	0
Energy – Water DAC Grant Project	331,481	586,816	918,104	193
Proposition 1 – DACI	0	1,747,121	1,747,121	0
Prop 84 Drought Capital Projects	0	1,182,042	1,182,042	0
Prop 84 SARCCUP & Other Projects	0	807,844	807,844	0
Total	\$389,847	\$6,015,977	\$6,380,106	\$25,718



Indirect Cost Allocation - OWOW

Fund	FYE 2018	FYE 2019
Basin Planning General	\$175,783	\$182,757
USBR Partnership Studies	9,402	9,989
Watershed Management - OWOW	208,428	222,265
Prop 84 Program Management (All Rounds)	340,124	355,751
Energy – Water DAC Grant Project	28,011	28,020
Proposition 1 - DACI	137,902	154,036
Prop 84 Drought Capital Projects	154,453	115,478
Prop 84 SARCCUP & Other Projects	82,496	114,557
Total	\$1,136,600	\$1,182,852
% of Total Indirect Costs	38.52%	37.89%



Roundtables Funds Budget



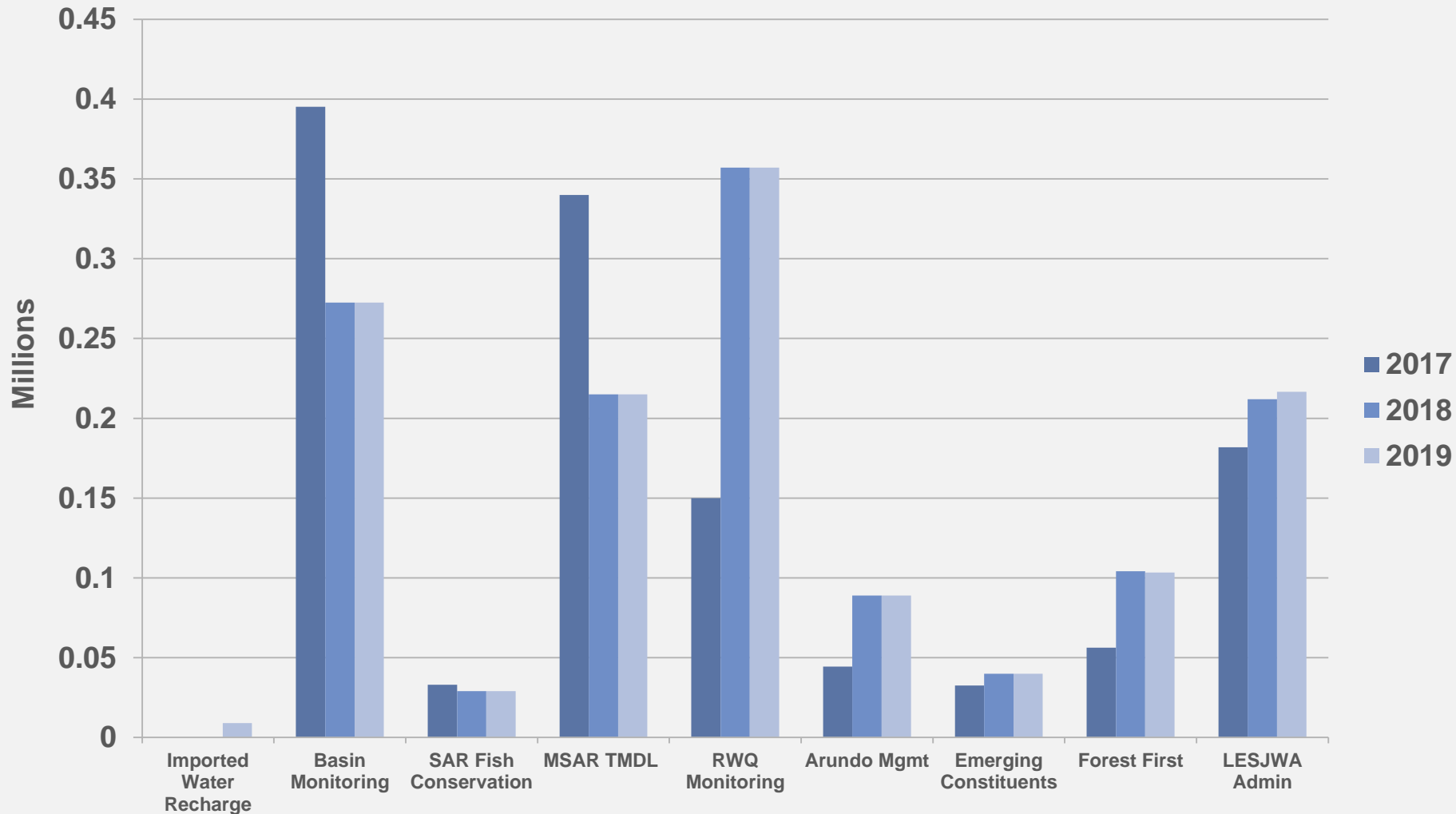
**SAWPA
ROUNDTABLES**



Roundtables Funds

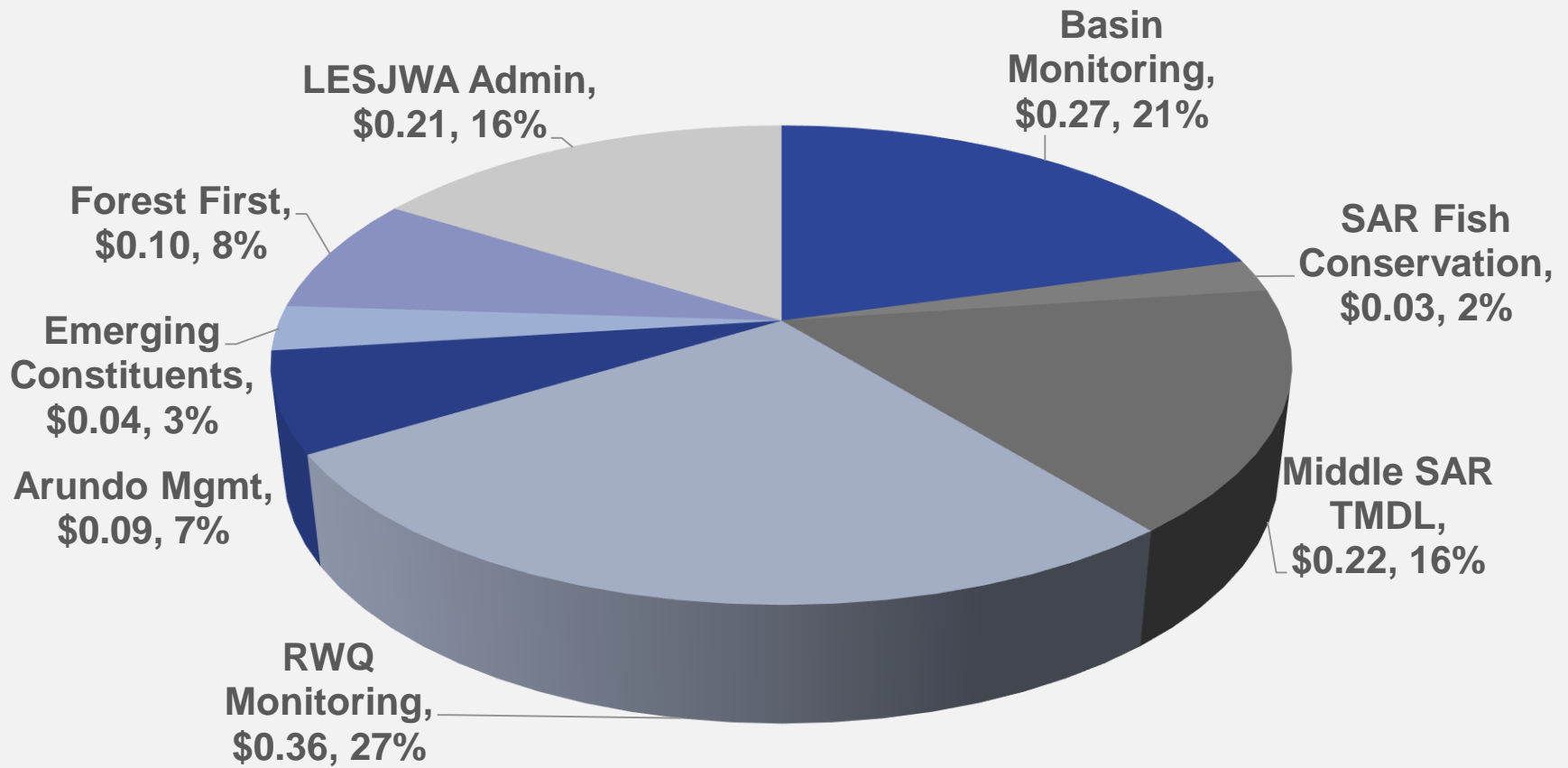
Fund Number	Fund Title
372	Imported Water Recharge Workgroup
374	Basin Monitoring Program Task Force
381	Santa Ana River Fish Conservation
384-01	Middle SAR TMDL Task Force
386	Regional Water Quality Monitoring Task Force
387	Arundo Management & Habitat Restoration
392	Emerging Constituents Task Force
396	Forest First
477	LESJWA Administration

Roundtables Funds - Revenue



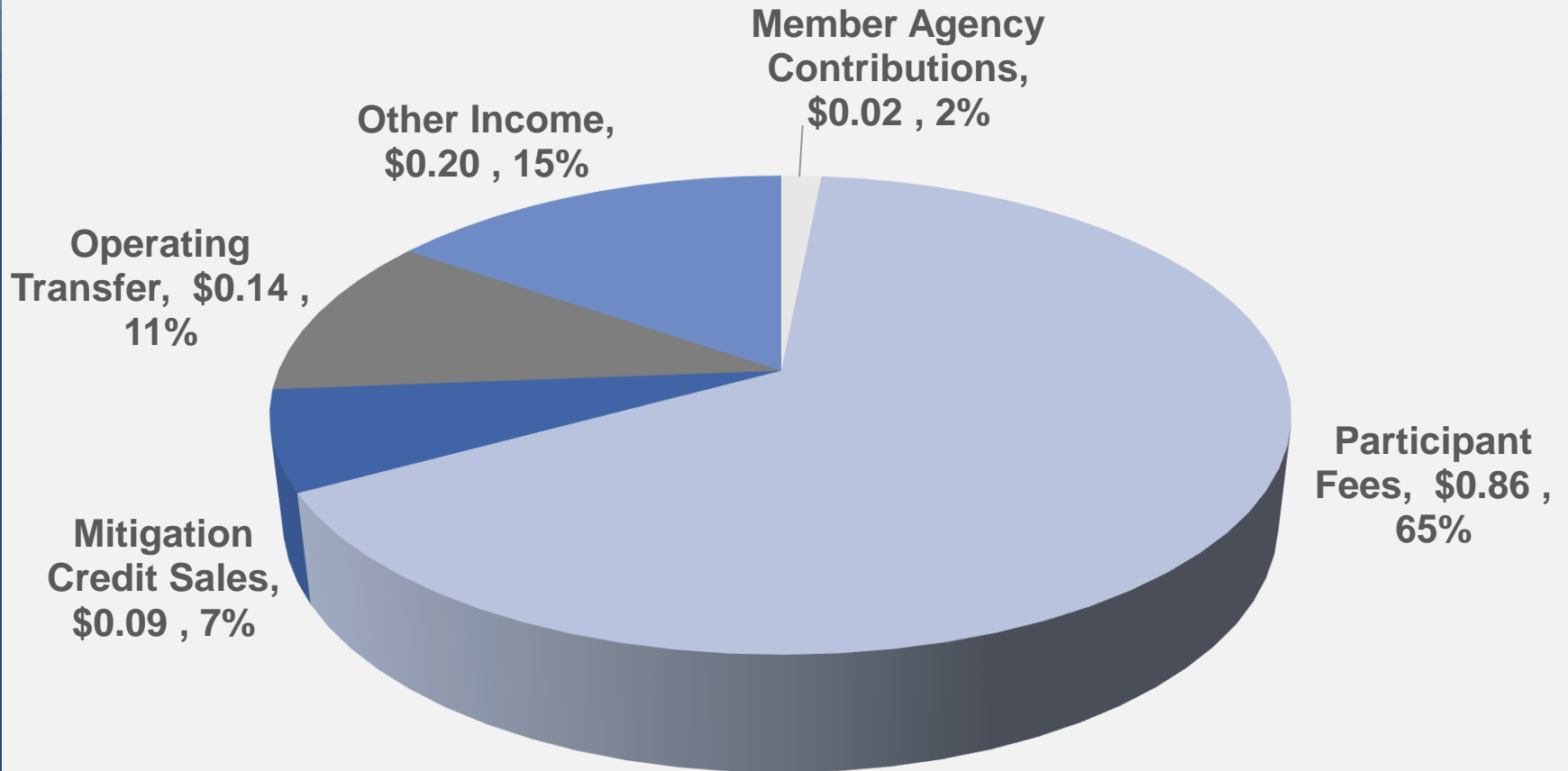
FYE 2018

Revenues \$1.32 M



FYE 2018

Revenues \$1.32 M



FYE 2019

Revenues \$1.33 M

**Imported Water
Recharge,
\$0.01, 1%**

**Basin
Monitoring,
\$0.27, 20%**

**LESJWA Admin,
\$0.22, 16%**

**SAR Fish
Conservation,
\$0.03, 2%**

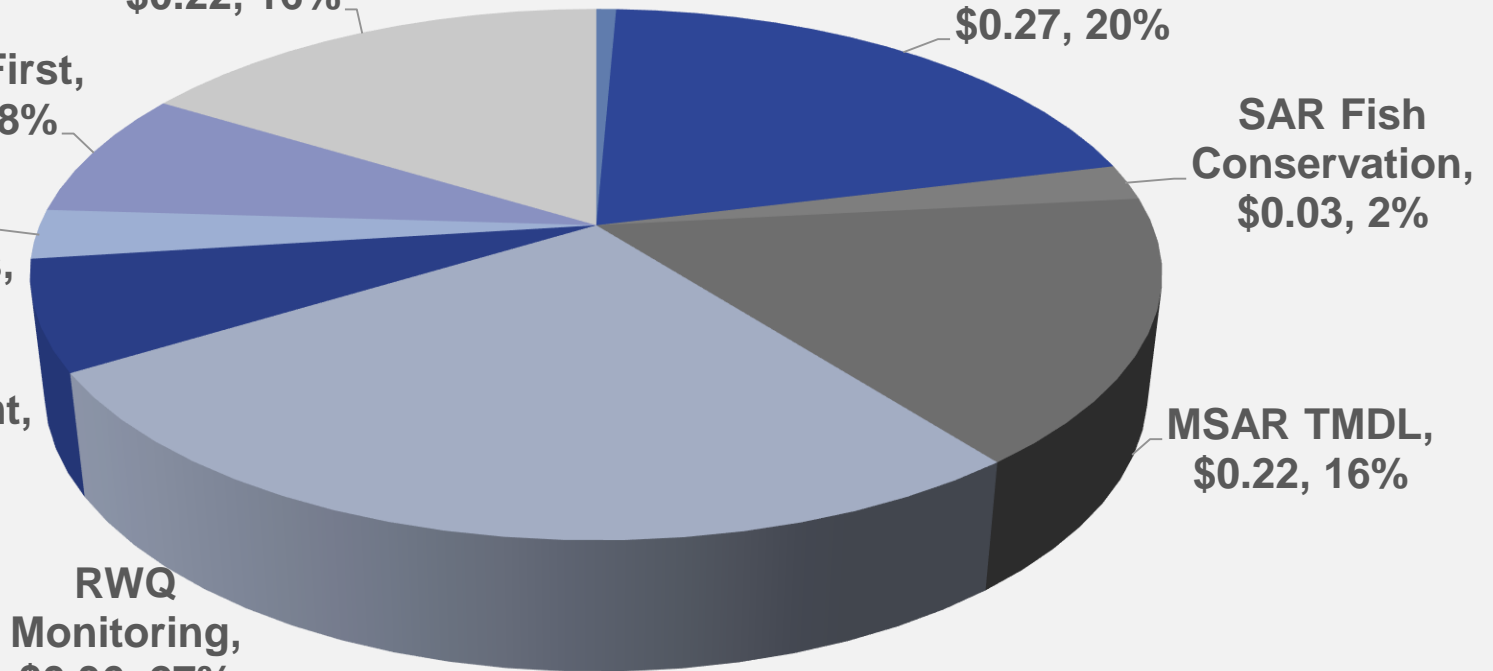
**Forest First,
\$0.10, 8%**

**Emerging
Constituents,
\$0.04, 3%**

**MSAR TMDL,
\$0.22, 16%**

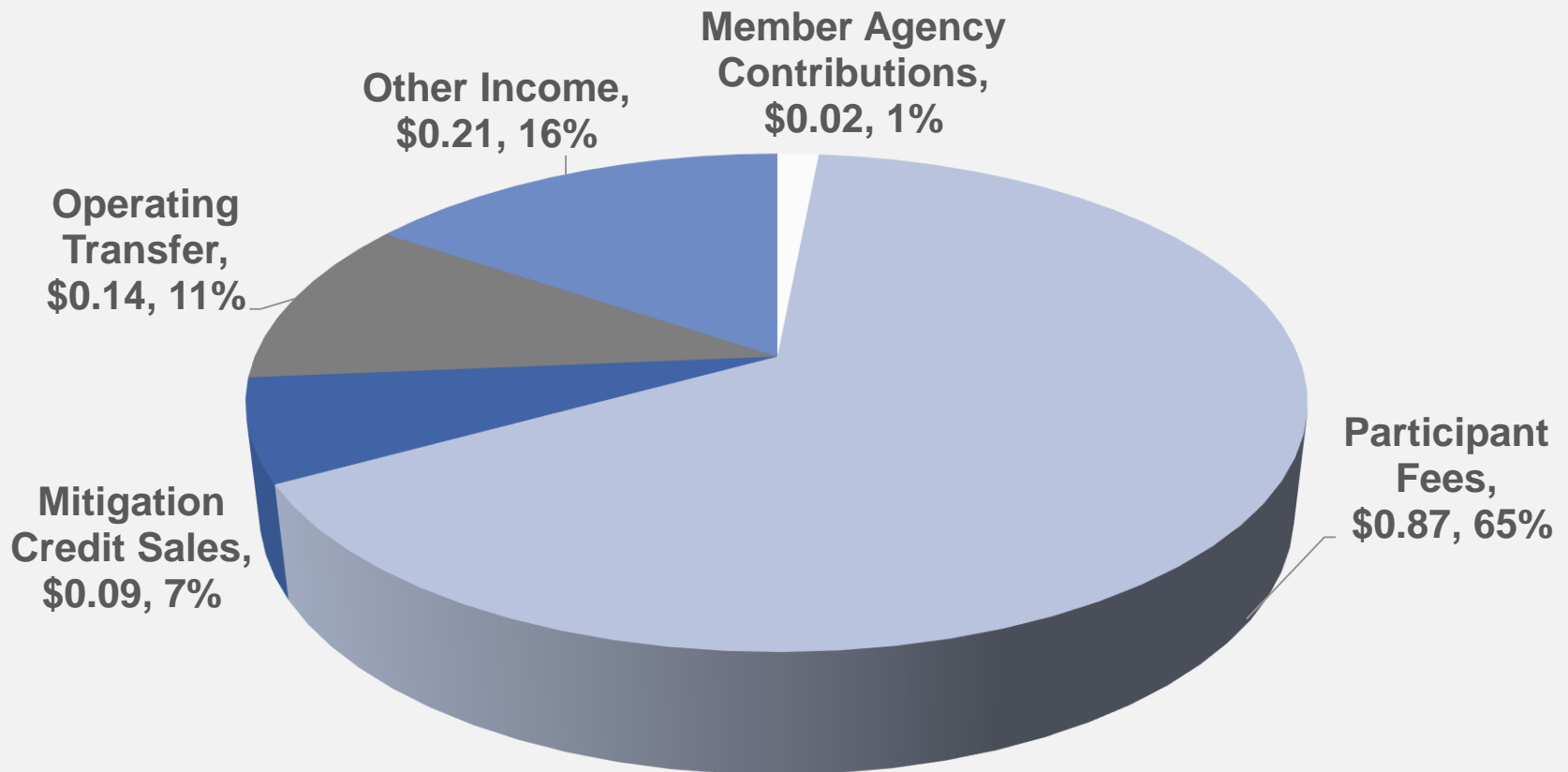
**Arundo Mgmt,
\$0.09, 7%**

**RWQ
Monitoring,
\$0.36, 27%**



FYE 2019

Revenues \$1.33 M





Participant Fees

Fund	FYE 2017	FYE 2018	FYE 2019
Imported Water Recharge	\$0	\$0	\$9,000
Basin Monitoring Program TF	395,151	272,447	272,447
SAR Fish Conservation	23,000	19,000	19,000
Middle SAR TMDL TF	340,000	215,000	215,000
RWQ Monitoring TF	100,000	212,796	212,796
Emerging Constituents TF	32,500	40,000	40,000
Forest First	56,227	104,202	103,308
Total	\$946,878	\$863,445	\$871,551



Member Agency Contributions

Fund	FYE 2017	FYE 2018	FYE 2019
SAR Fish Conservation TF	\$10,000	\$10,000	\$10,000
RWQ Monitoring TF	50,000	0	0
LESJWA Administration	10,000	10,000	10,000
Total	\$70,000	\$20,000	\$20,000



Mitigation Credit Sales

Fund	FYE 2017	FYE 2018	FYE 2019
Arundo Management & Habitat	\$44,490	\$88,980	\$88,980
Total	\$44,490	\$88,980	\$88,980



Operating Transfer

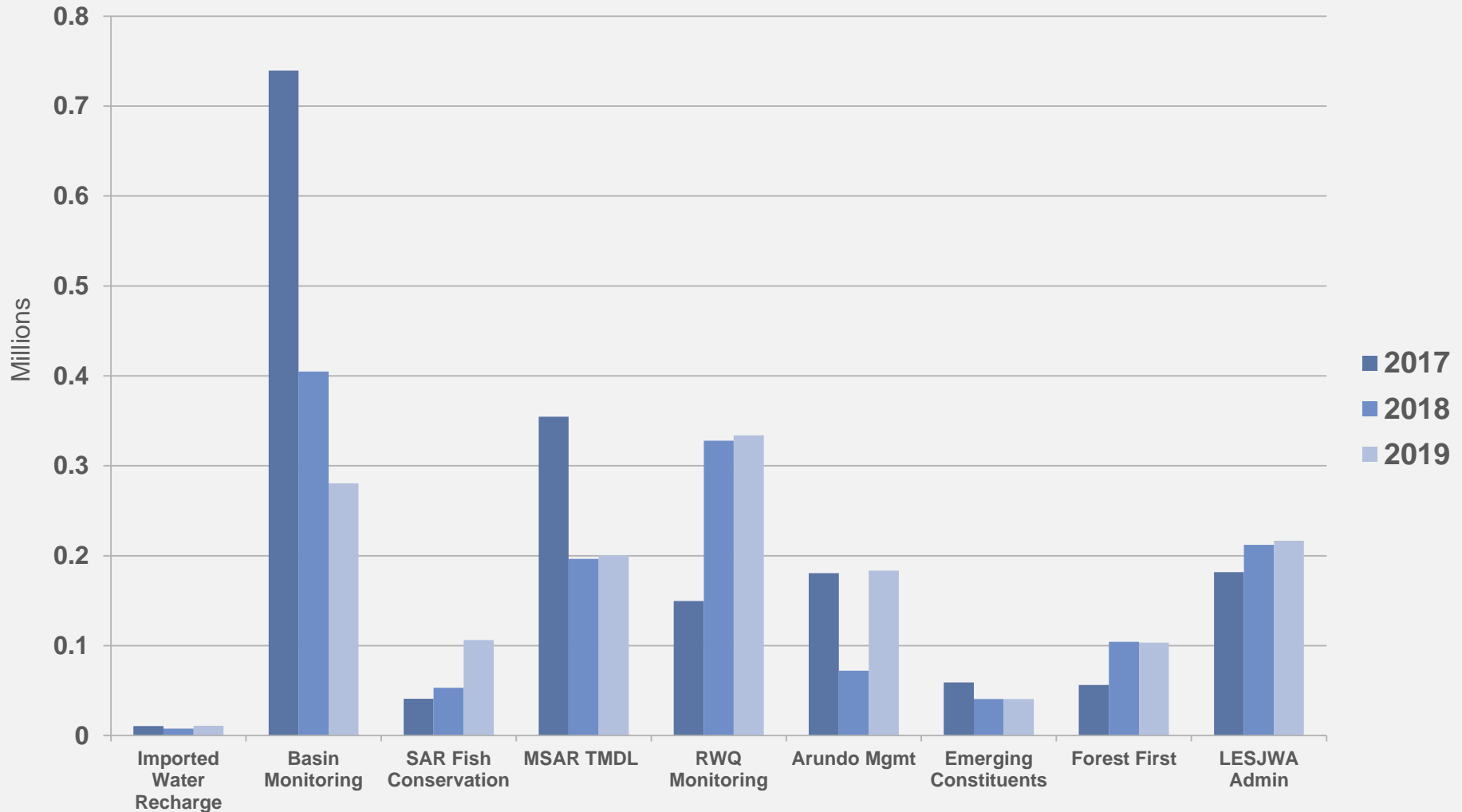
Fund	FYE 2017	FYE 2018	FYE 2019
RWQ Monitoring TF	\$0	\$144,252	\$144,252
Total	\$0	\$144,252	\$144,252



Other Income

Fund	FYE 2017	FYE 2018	FYE 2019
LESJWA Administration	\$212,638	\$202,027	\$206,674
Total	\$212,638	\$202,027	\$206,674

Roundtables Funds – Expenses



FYE 2018

Expenses \$1.42 M

**Imported Water
Recharge,
\$0.01, 1%**

**Basin
Monitoring,
\$0.40, 28%**

**LESJWA Admin,
\$0.21, 15%**

**Forest First,
\$0.10, 7%**

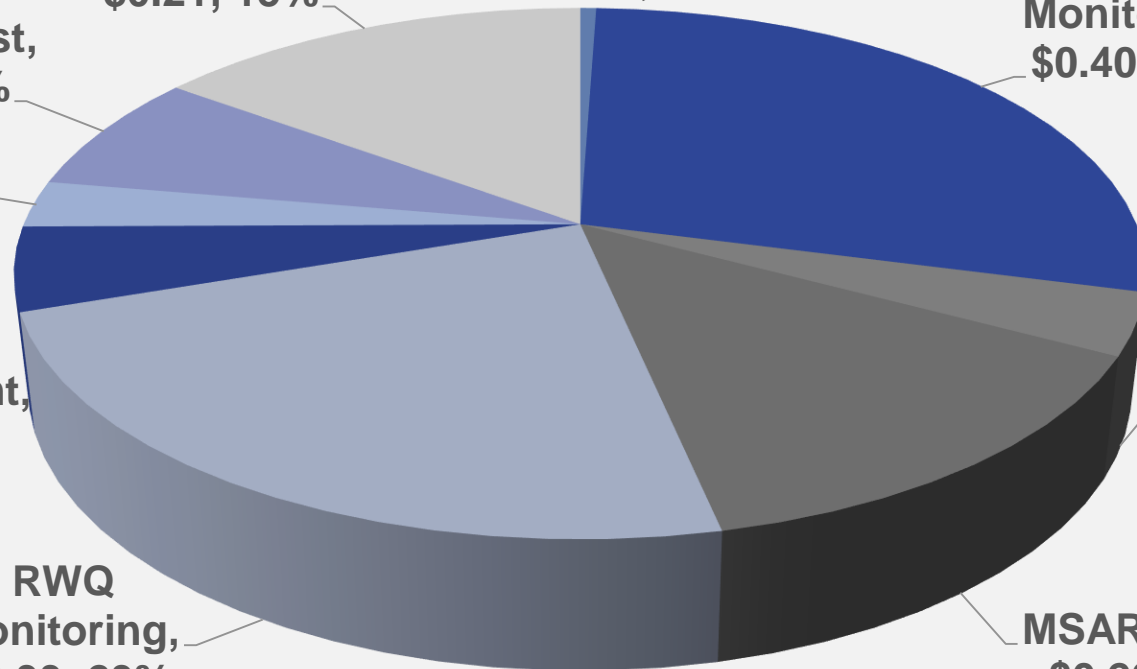
**Emerging
Constituents,
\$0.04, 3%**

**Arundo Mgmt,
\$0.07, 5%**

**SAR Fish
Conservation,
\$0.05, 4%**

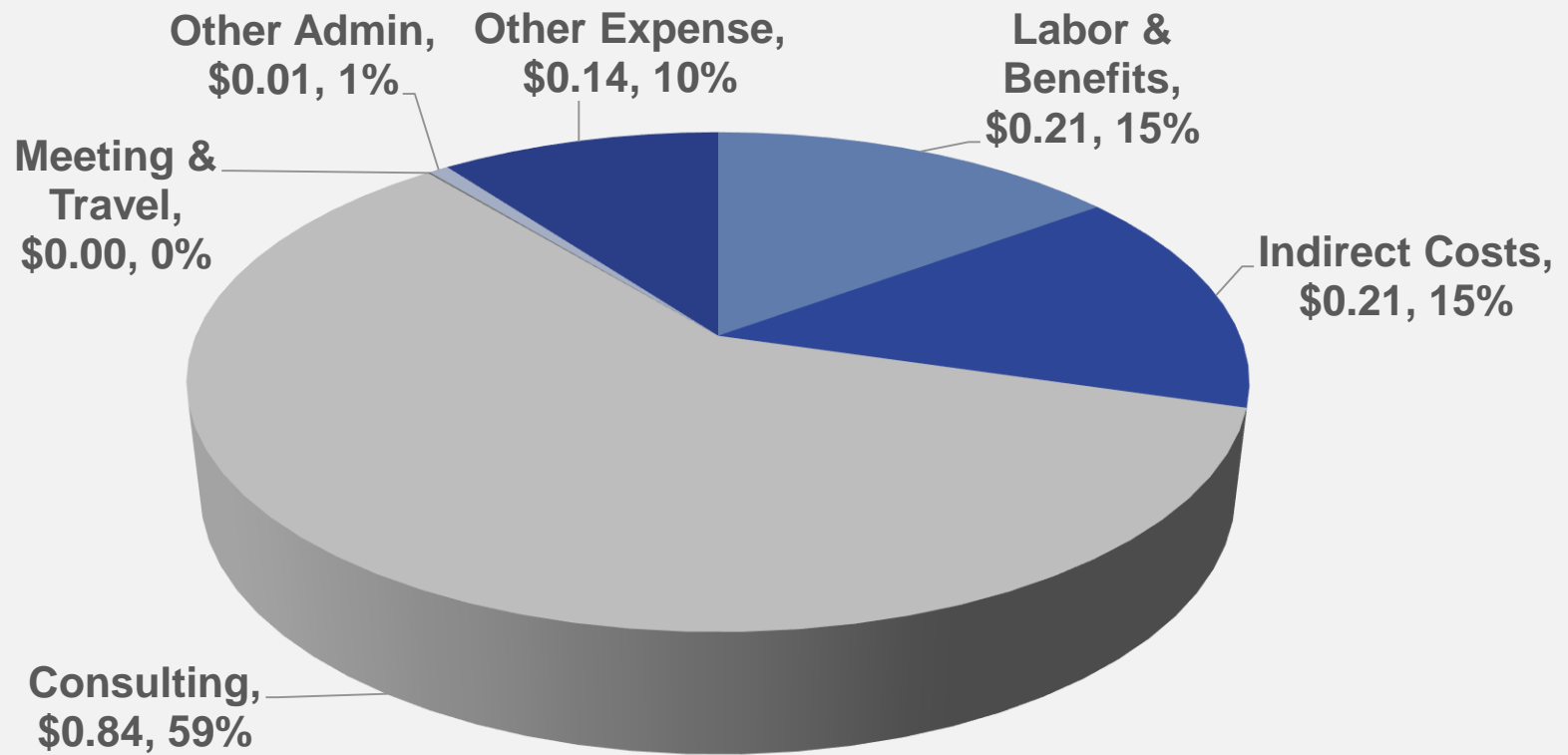
**RWQ
Monitoring,
\$0.33, 23%**

**MSAR TMDL,
\$0.20, 14%**



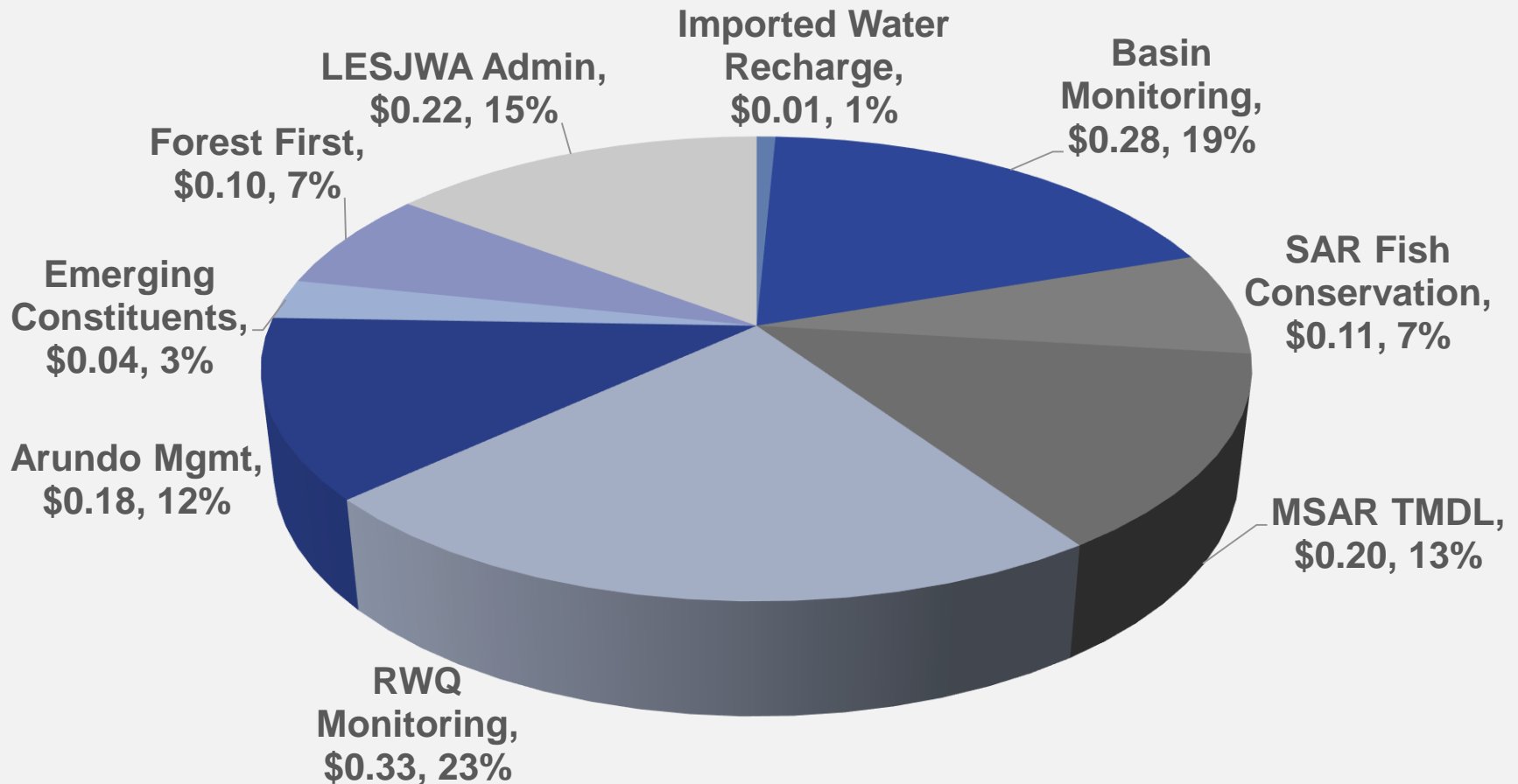
FYE 2018

Expenses \$1.42 M



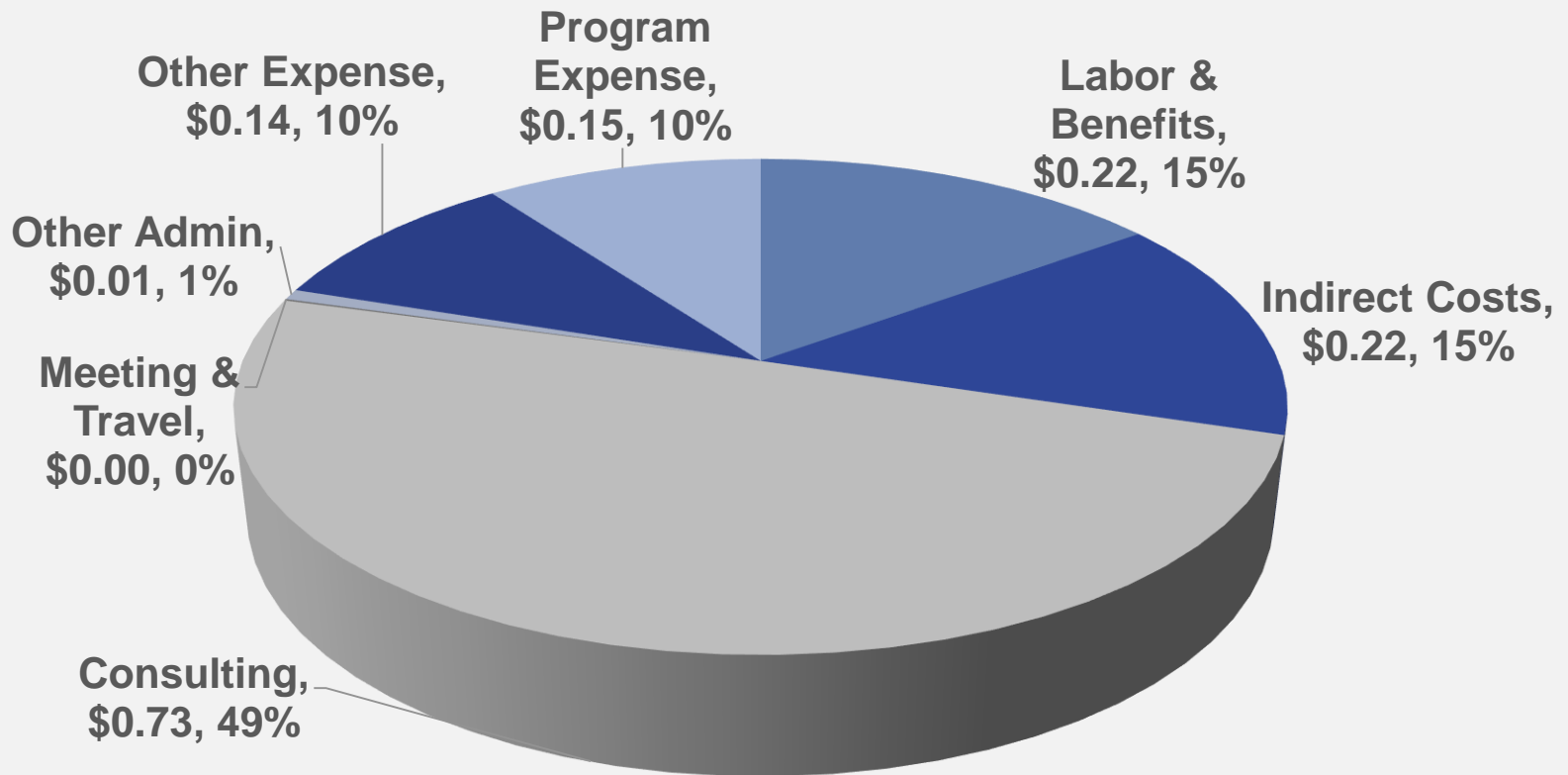
FYE 2019

Expenses \$1.48 M



FYE 2019

Expenses \$1.5 M





Expenses

Fund	FYE 2017	FYE 2018	FYE 2019
Imported Water Recharge	\$10,523	\$7,698	\$10,804
Basin Monitoring Program TF	739,511	404,772	280,534
SAR Fish Conservation	41,030	53,156	106,303
Middle SAR TMDL TF	354,456	196,554	200,470
RWQ Monitoring TF	149,546	327,988	333,802
Arundo Management & Habitat	180,687	72,281	183,367
Emerging Constituents TF	59,166	40,528	40,719
Forest First	56,227	104,202	103,308
LESJWA Administration	181,782	212,027	216,674
Total	\$1,772,928	\$1,419,206	\$1,475,981

Fund Balance FYE 2018

Fund	Projected Fund Balance 06/30/17	Revenues	Expenses	Fund Balance 06/30/18
Imported Water Recharge Workgroup	\$10,899	\$0	(\$7,698)	\$3,202
Basin Monitoring Program Task Force	276,374	272,447	(404,772)	144,050
Santa Ana River Fish Conservation	185,817	29,000	(53,156)	161,661
Middle SAR TMDL Task Force	237,247	215,000	(196,554)	255,693
Regional Water Quality Monitoring TF	22,549	357,048	(327,988)	51,609
Arundo Management & Habitat Restoration	961,761	88,980	(72,281)	978,460
Emerging Constituents Task Force	87,913	40,000	(40,528)	87,385
Forest First	0	104,202	(104,202)	0
LESJWA Administration	0	212,027	(212,027)	0
Total	\$1,782,561	\$1,318,704	(\$1,419,206)	\$1,682,060

Fund Balance FYE 2019

Fund	Projected Fund Balance 06/30/18	Revenues	Expenses	Fund Balance 06/30/19
Imported Water Recharge Workgroup	\$3,202	\$9,000	(\$10,804)	\$1,398
Basin Monitoring Program Task Force	144,050	272,447	(280,534)	135,962
Santa Ana River Fish Conservation	161,661	29,000	(106,303)	84,358
Middle SAR TMDL Task Force	255,693	215,000	(200,470)	270,223
Regional Water Quality Monitoring TF	51,609	357,048	(333,802)	74,855
Arundo Management & Habitat Restoration	978,460	88,980	(183,367)	884,072
Emerging Constituents Task Force	87,385	40,000	(40,419)	86,666
Forest First	0	103,308	(103,308)	0
LESJWA Administration	0	216,674	(216,674)	0
Total	\$1,682,060	\$1,331,457	(\$1,475,981)	\$1,537,535

Indirect Cost Allocation - Roundtables

Fund	FYE 2018	FYE 2019
Imported Water Recharge Workgroup	\$3,814	\$5,352
Basin Monitoring Program Task Force	43,164	43,537
Santa Ana River Fish Conservation	14,395	14,839
Middle SAR TMDL Task Force	13,378	15,316
Regional Water Quality Monitoring Task Force	10,142	13,021
Arundo Management & Habitat Restoration	15,795	16,182
Emerging Constituents Task Force	5,216	5,310
Forest First	2,082	1,639
LESJWA Administration	99,892	102,181
Total	\$207,877	\$217,376
% of Total Indirect Costs	7.04%	6.96%



General Fund Budget



A close-up photograph of a silver fountain pen nib resting on a document. The document features a line graph with a red line and handwritten text in blue ink. The months 'Feb.', 'Apr.', and 'Jun.' are visible on the graph's x-axis. The title 'Budget Policy Practices' is overlaid in large, bold, black font on the right side of the image.

Budget Policy Practices

- The General Fund is used for all JPA administrative functions in support of the Commission, legislative needs, headquarter building facility and maintenance, and all other functions not specifically related directly to projects.

A close-up photograph of a silver fountain pen nib resting on a document. The document features a line graph with a red line showing an upward trend. The x-axis of the graph is labeled with months: 'Feb.', 'Apr.', 'Jun.', and 'Aug.'. The y-axis has some numerical values, though they are partially obscured. The word 'BUDGET' is printed in large, bold, blue letters across the top of the document. The background is a soft, out-of-focus blue.

Budget Policy Practices

- SAWPA will endeavor to keep the indirect cost rate constant from year to year to provide stability in costs charged to projects using SAWPA labor, and for reimbursable contracts and charges to outside agencies.

A close-up photograph of a silver fountain pen nib resting on a document. The document features a line graph with a red line showing an upward trend. The x-axis of the graph is labeled with months: 'Feb.', 'Apr.', 'Jun.', and 'Aug.'. The word 'BUDGET' is partially visible in large, bold letters on the document. The background is a soft, out-of-focus blue.

Budget Policy Practices

- SAWPA will work to keep member agency contributions reasonable and relatively constant to provide stability for the member agencies.



JPA Operations

Brine Line Enterprise

Fund 240
Brine Line Operations

Brine Line Debt Service

Capital Projects

Fund 320
Brine Line Protection

Fund 326
Reach V Repairs

Fund 327
Reach 4D Corrosion Repair

OWOW

Fund 373
Watershed Management

Fund 370-01
General Basin Planning

Fund 370-02
USBR Partnership Studies

Fund 397
Water-Energy Grant

Fund 398
Proposition 1 - DACI

Fund 130-145
Prop 84 Grant Admin

Fund 504-301
Drought Round Projects

Fund 540-401
2015 Round SARCCUP

Roundtable

Fund 372
Imported Water Recharge

Fund 374
Basin Monitoring TF

Fund 381
SAR Fish Conservation TF

Fund 384-01
MSAR TMDL TF

Fund 386
RWQ Monitoring TF

Fund 387
Arundo Mgmt & Habitat

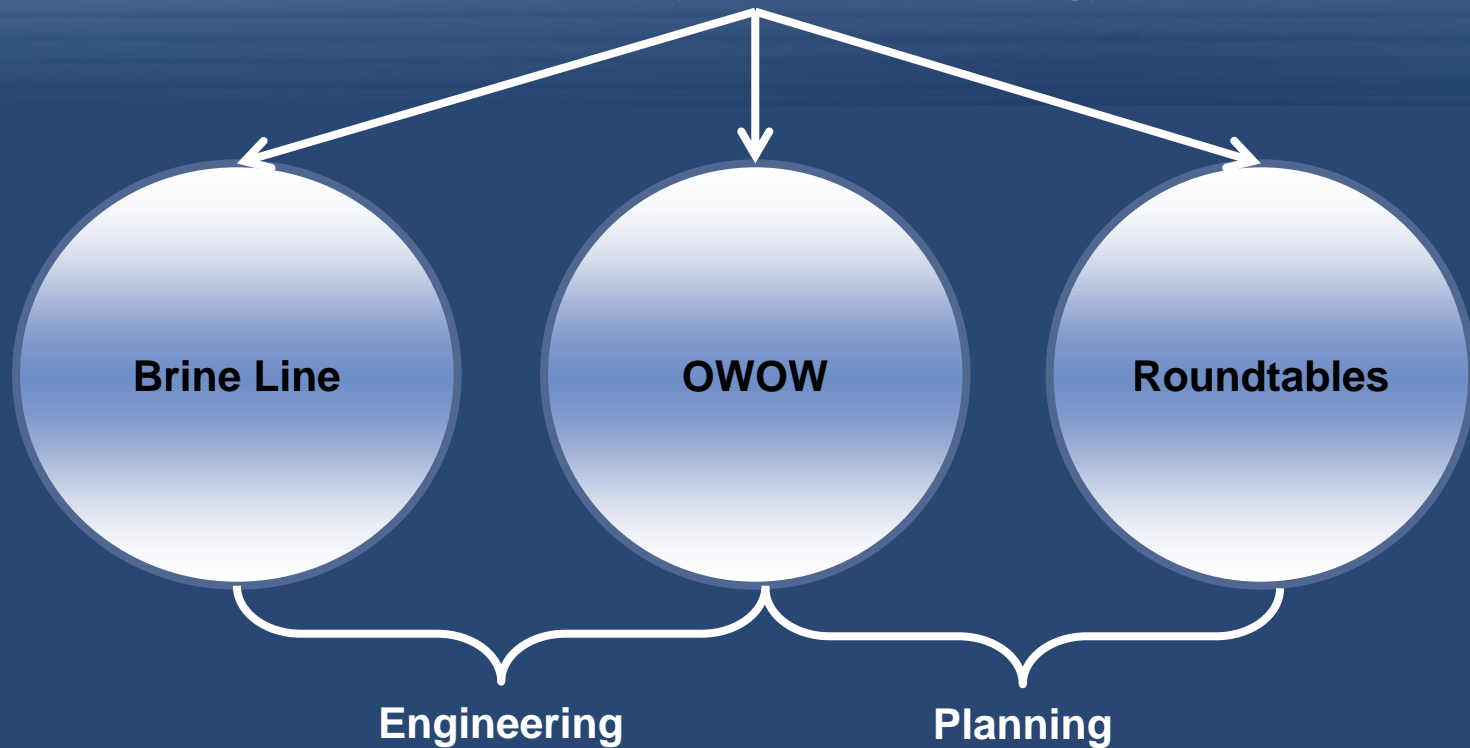
Fund 392
Emerging Constituents TF

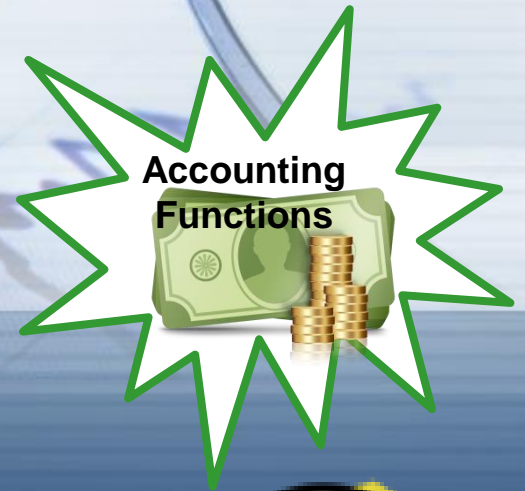
Fund 396
Forest First

Fund 477
LESJWA Administration



Administration
Finance/Accounting
Information Systems & Technology





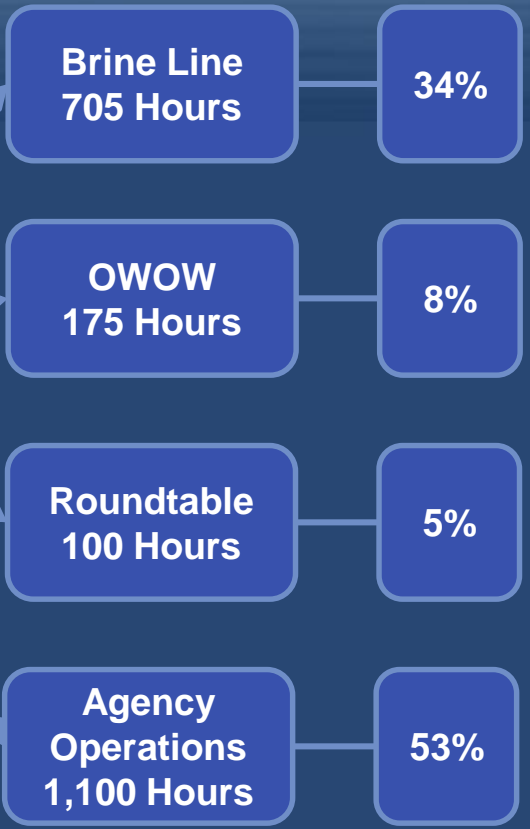
JPA Costs



Payroll Activities

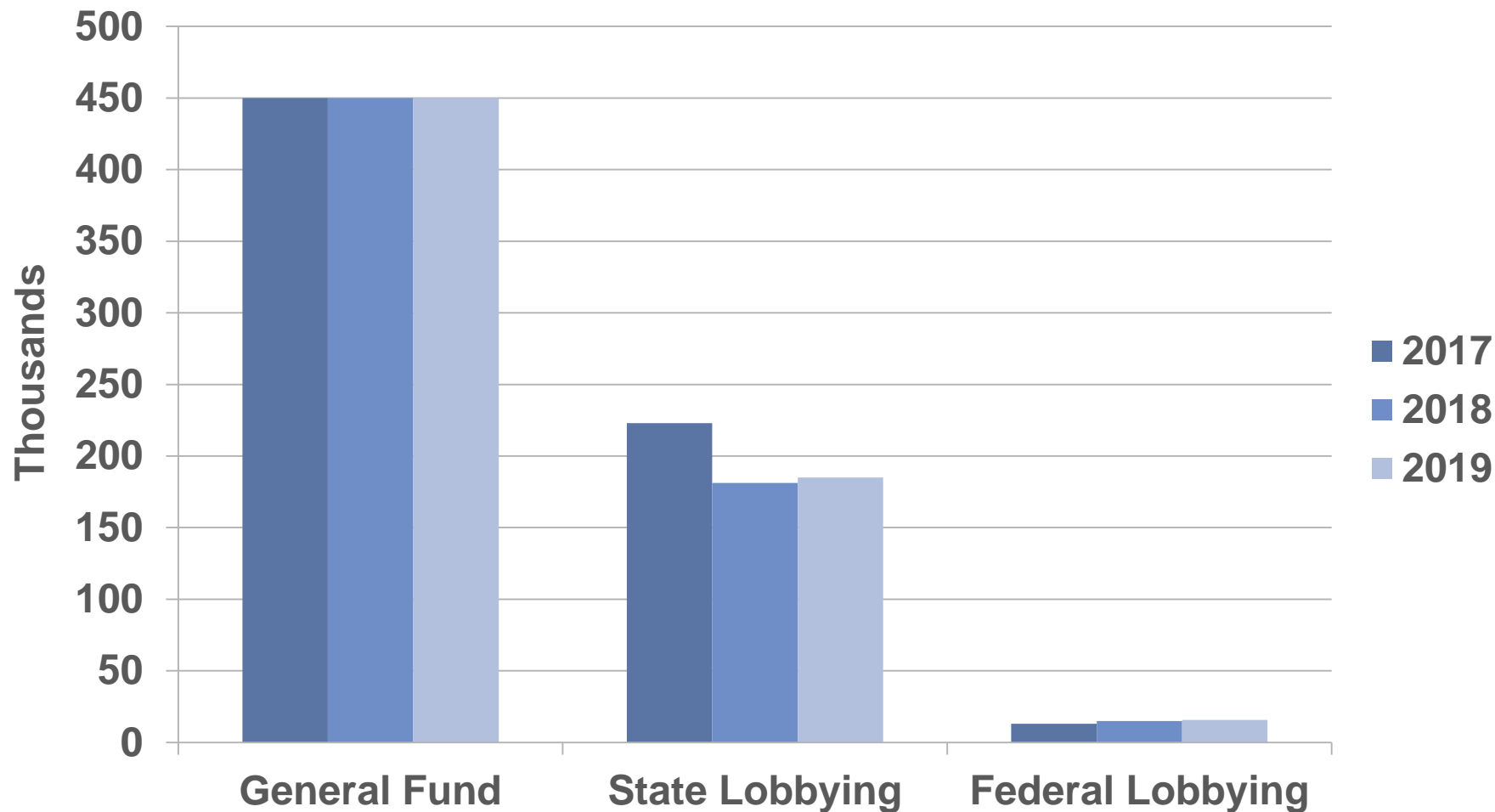


**2,080
Hours**



100%

General Fund Costs





General Fund Costs

Fund	FYE 2017	FYE 2018	FYE 2019
General Fund	\$450,000	\$450,000	\$450,000
State Lobbying	223,005	181,154	184,980
Federal Lobbying	26,302	14,962	15,715
Total	\$699,307	\$646,118	\$650,695

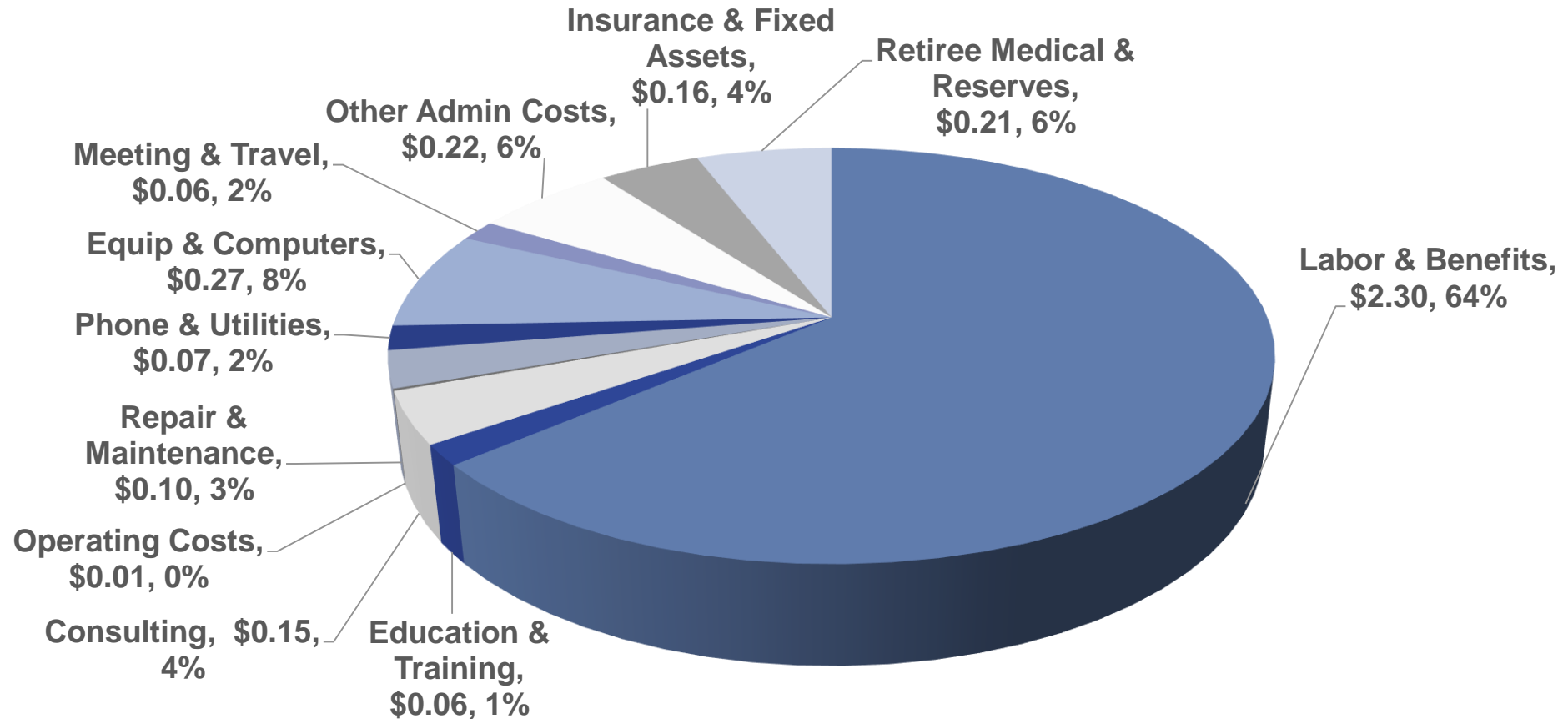



General Fund Costs

Fund	FYE 2017	FYE 2018	FYE 2019
Labor and Benefits	\$2,109,540	\$2,095,924	\$2,300,239
Education & Training	56,300	57,300	57,300
Consulting & Professional Services	95,000	146,000	134,400
Operating Costs	7,500	5,820	6,090
Repair & Maintenance	131,085	103,270	105,540
Phone & Utilities	71,000	68,200	73,620
Equipment & Computers	212,710	274,800	232,900
Meeting & Travel	54,200	57,500	57,500
Other Administrative Expenses	186,970	220,956	226,277
Insurance & Fixed Assets	105,000	157,956	164,703
Retiree Medical & Building Reserves	230,580	213,000	213,000
Total Before Indirect Cost Allocations	\$3,259,885	\$3,400,725	\$3,571,569
Less Indirect Cost Allocations	(2,809,885)	(2,950,725)	(3,121,569)
Total General Fund Costs	\$450,000	\$450,000	\$450,000

FYE 2018

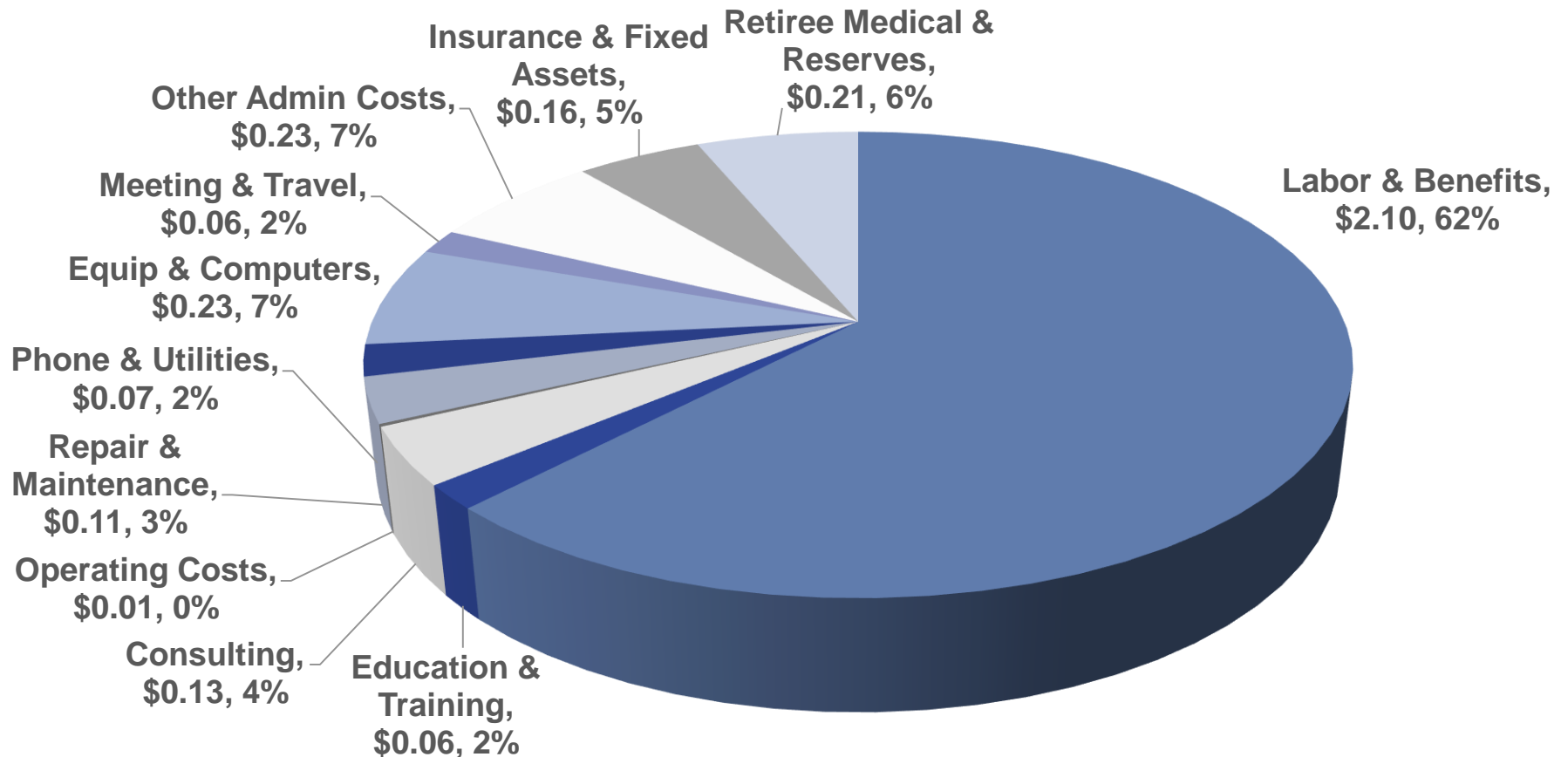
General Fund Costs \$3.4 M





FYE 2019

General Fund Costs \$3.5 M





Fixed Assets

Asset	FYE 2018	FYE 2019
Roof Repair	\$20,000	\$0
Redesign/Install Irrigation System	12,000	0
Repair Broken/Leaking Windows	6,000	6,000
Install Utilities Conduit Under Parking Lot	5,000	0
Carpet Replacement	0	20,000
Redesign Office Space/Furniture	0	12,500
Replace Existing A/C Units	10,000	10,000
Total Fixed Asset Costs	\$53,000	\$48,500

A close-up photograph of a silver fountain pen nib resting on a document. The document features a line graph with a red line showing an upward trend. The x-axis of the graph is labeled with months: 'Feb.', 'Apr.', 'Jun.', and 'Aug.'. There is also some handwritten text in blue ink on the document, including the word 'MAY' and some numbers. The background is a dark blue gradient.

Labor Assumptions Used

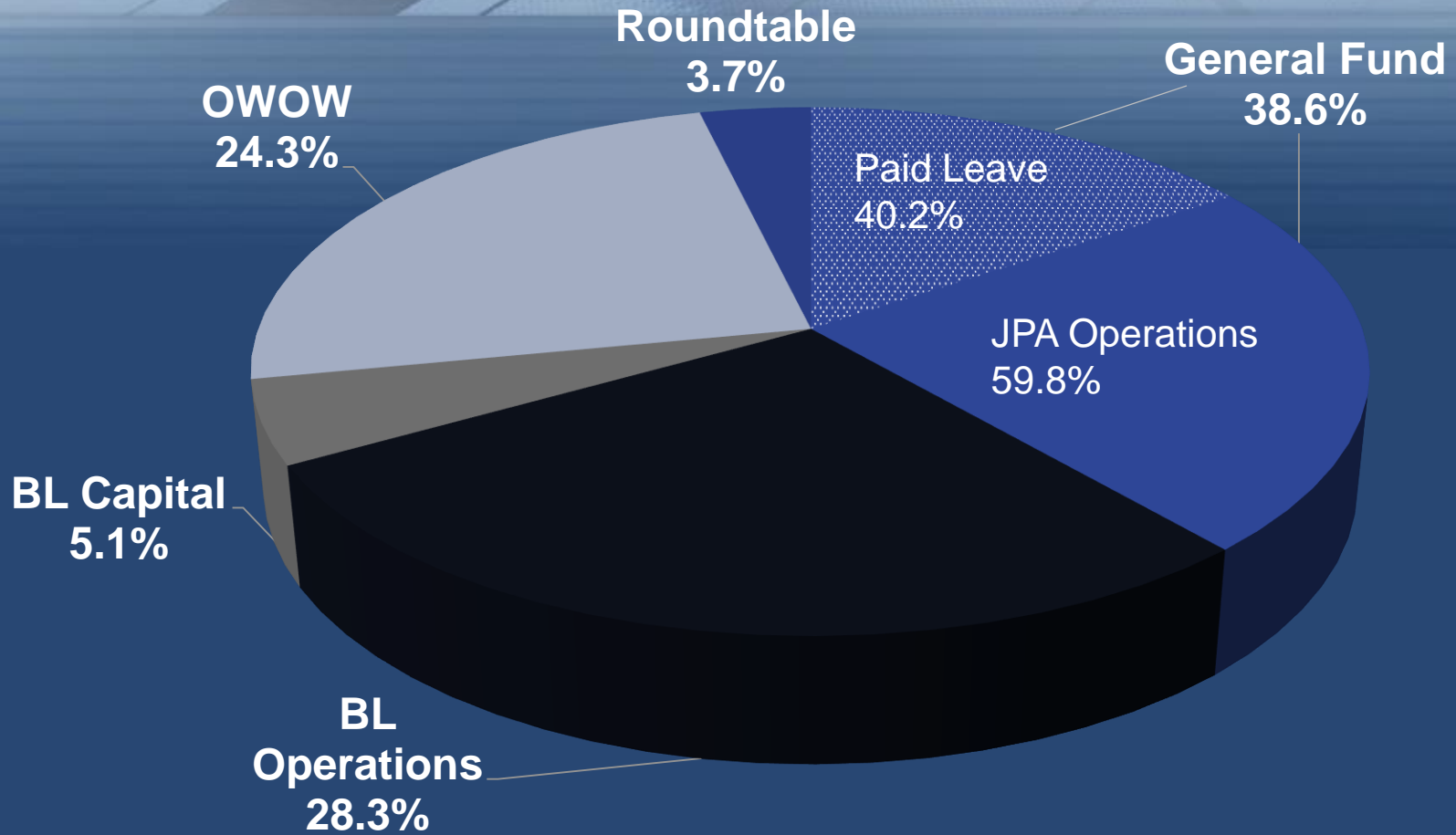
- 28 FTE
 - 26 filled and approved FTE
 - 2 unfilled budgeted positions
- 4 Interns
- Approved 4% Merit Pool (both years)
- Approved 1.25% or annual indexed COLA using the LA-Riverside-Orange County CPI index (whichever is greater)



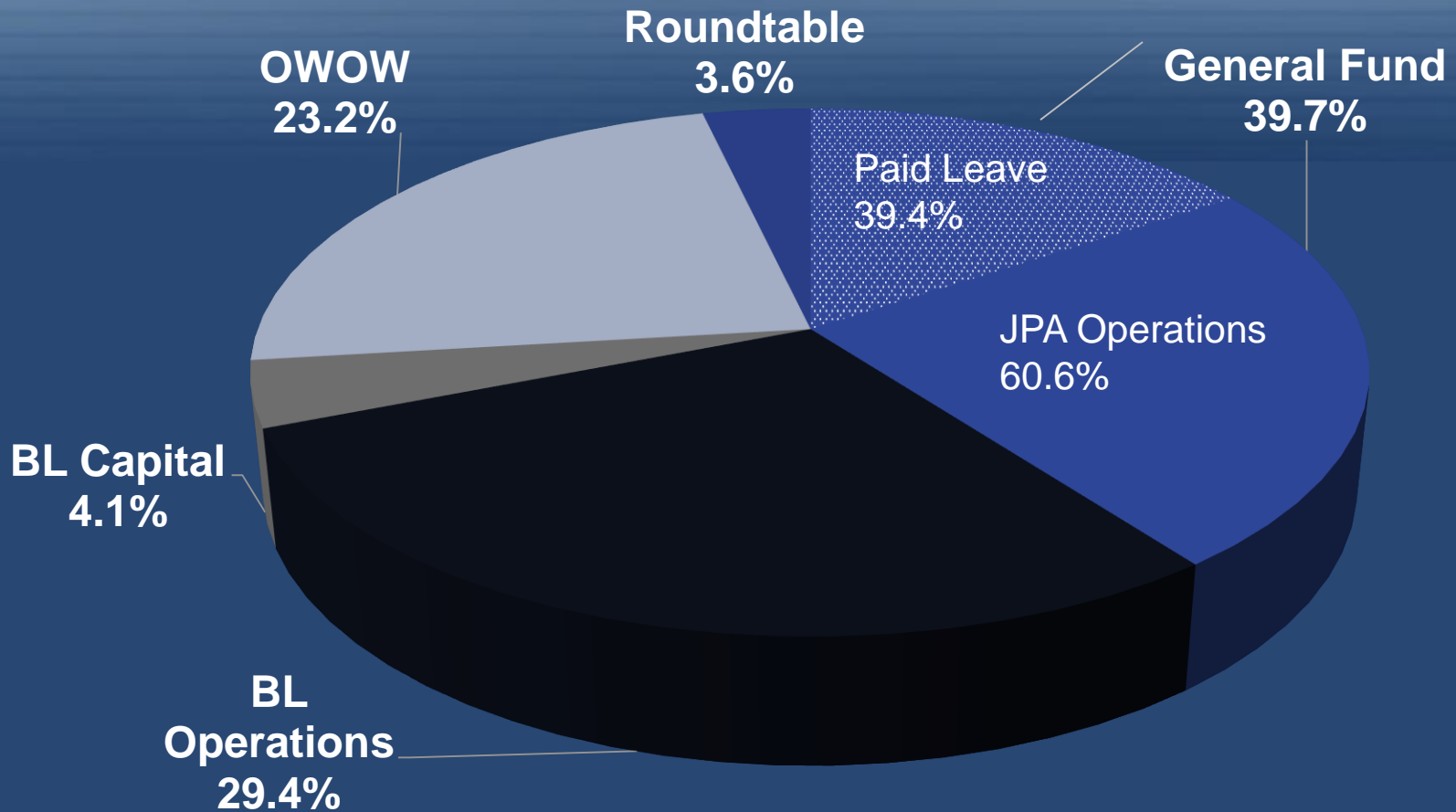
Staff Labor Hours

FYE	FYE 2018	FYE 2019
Total Labor Hours (All Staff)	62,080	62,080
FTE (2,080)	28	28
Interns (960)	4	4
Total General Fund Hours	23,953	24,625
Total FTE's for General Fund	11.5	11.8
% of Total Staff Labor Hours	38.6%	39.7%

Labor Hours Distribution – FYE 2018



Labor Hours Distribution – FYE 2019





Total Labor Hours Distribution

Fund	FYE 2018	% of Total	FYE 2019	% of Total
General Fund	23,953	38.6%	24,625	39.7%
Brine Line Operating Fund	17,550	28.3%	18,250	29.4%
Brine Line Capital Fund	3,176	5.1%	2,515	4.1%
OWOW Funds	15,075	24.3%	14,429	23.2%
Roundtable Funds	2,326	3.7%	2,261	3.6%
Total	62,080	100.0%	62,080	100.0%



Paid Leave Hours

Hours	FYE 2018	FYE 2019
Total Paid Leave Hours (All Staff)	9,630	9,702
Total JPA Operations Hours (All Staff)	14,323	14,923
Total General Fund Hours	23,953	24,625
% of Paid Leave Hours to General Fund	40.2%	39.4%



Employee Demographics

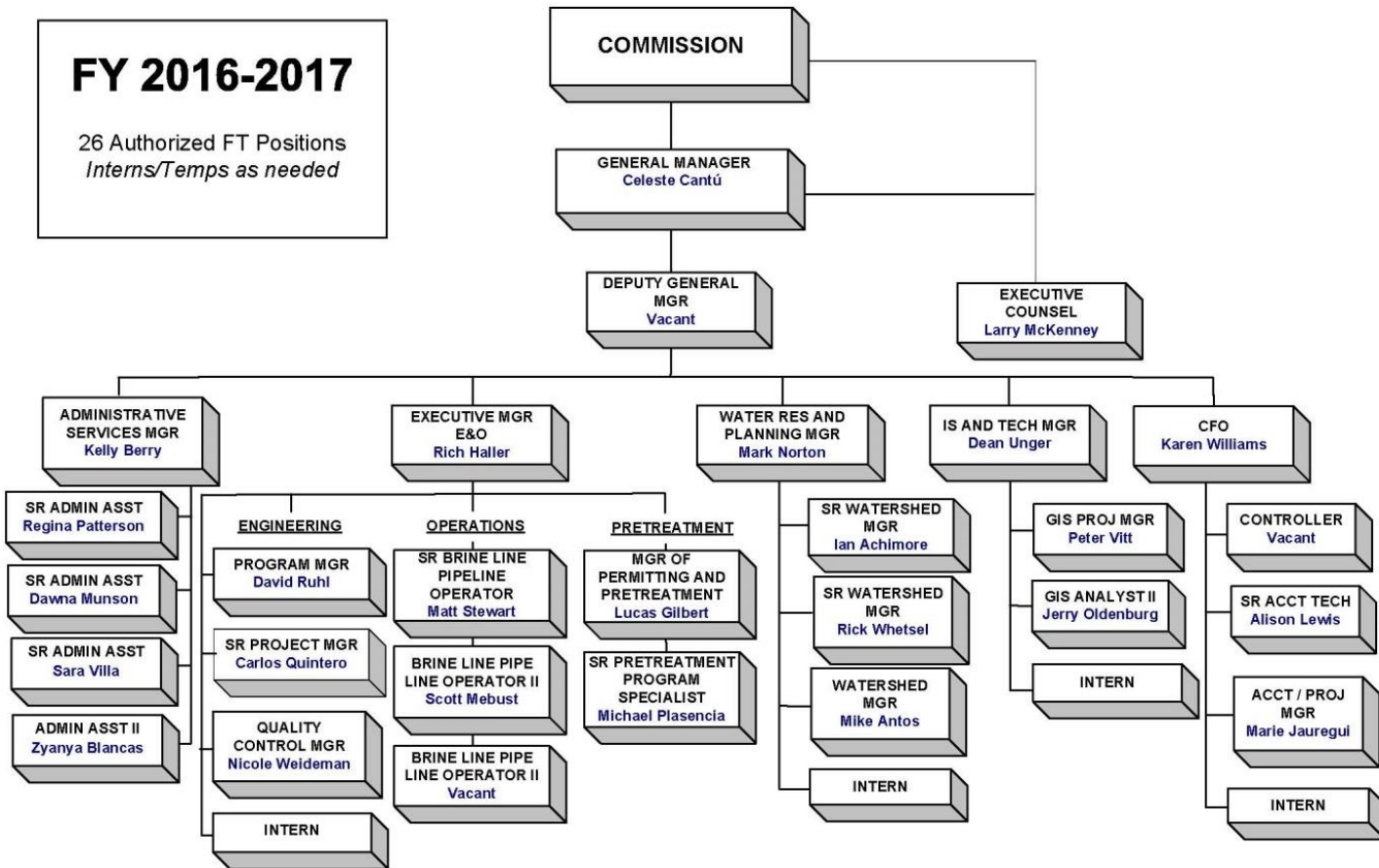
	0-5 Years	6-10 Years	11-15 Years	16 + Years	Total
Employees	9	6	5	6	26
% of Employees	34.6%	23.1%	19.2%	23.1%	100.0%
Leave Hours *	315	324 - 360	369 - 405	405	N/A

Organization Chart

SAWPA ORGANIZATION CHART

FY 2016-2017

26 Authorized FT Positions
Interns/Temps as needed





Positions by Department

Department	FYE 2014	FYE 2015	FYE 2016	FYE 2017	FYE 2018	FYE 2019
Executive Management	2	2	2	2	2	2
Administrative Services	5	5	5	5	5	5
Finance/Accounting	3	3	3	3	3	3
Information Systems and Technology	3	3	3	3	3	3
Engineering & Operations	7	7	9	9	10	10
Water Resources & Planning	3	3	4	4	5	5
Total Positions	23	23	26	26	28	28

A fountain pen is positioned diagonally across the top of the slide, resting on a document. The document features a line graph with a red line showing an upward trend. The graph's x-axis is labeled with months: 'Feb.', 'Apr.', 'Jun.', and 'Aug.'. A magnifying glass is visible in the upper right corner, focusing on the document. The background is a dark blue gradient.

Benefit Assumptions Used

- Health insurance cap based on the lowest cost plan (Kaiser family) - \$1,505.65/month
- Classic PERS 2% @ 55, PEPRA 2% @ 62
 - FYE 2018 employers rate (includes increase for lowered discount rate)
 - Classic = 10.0%
 - PEPRA = 7.5%
 - FYE 2019 employers rate (includes increase for lowered discount rate)
 - Classic = 10.9%
 - PEPRA = 8.0%
 - Employer Paid Member Contribution (EPMC)
 - FYE 2018 = 4.2%
 - FYE 2019 = 2.8%
 - GASB 45 Compliance – Annual Required Contribution (ARC)
 - FYE 2018 = \$113,000
 - FYE 2019 = \$113,000



Total Payroll & Benefit Costs

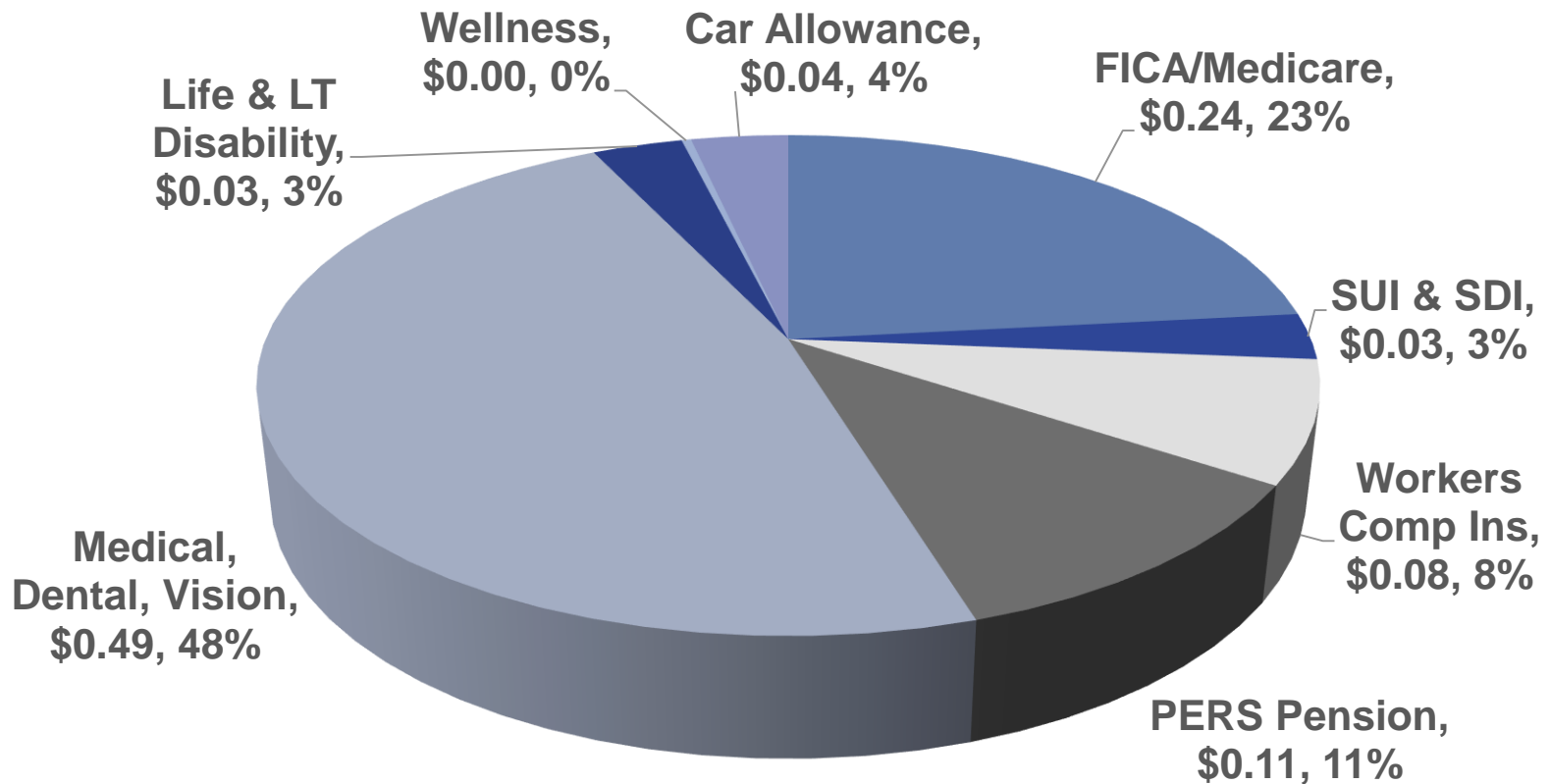
FYE	Benefits	Payroll	Total	% Change
2015	\$1,107,707	\$2,642,113	\$3,749,820	3.7%
2016 *	1,228,101	2,912,184	4,140,285	10.4%
2017 **	1,441,728	3,323,389	4,765,117	15.1%
2018	1,569,289	3,592,414	5,161,703	8.3%
2019	1,686,262	3,859,112	5,545,374	7.4%

* Hired Project Manager in February 2016

** 2017 numbers are budgeted not actual, hired QC Manager in Sept 2016

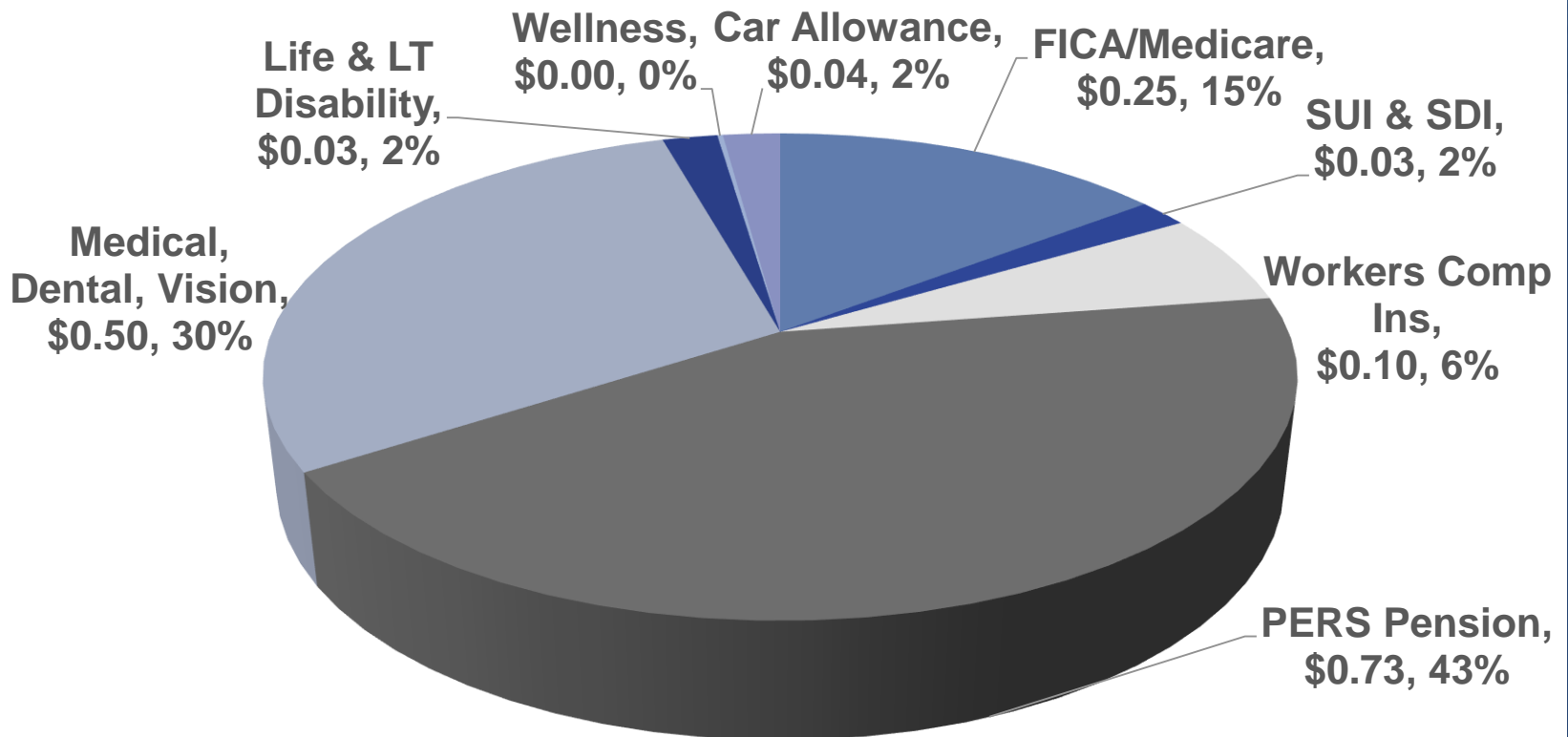
Benefit Costs – FYE 2018

Total Benefits \$1.6 M



Benefit Costs – FYE 2019

Total Benefits \$1.7 M





Benefit & Indirect Cost Allocation Rates

FYE	Benefits	Indirect Cost	Total
2015	0.419%	1.494%	1.913%
2016	0.422%	1.651%	2.073%
2017	0.434%	1.579%	2.013%
2018	0.437%	1.411%	1.848%
2019	0.437%	1.411%	1.848%



Member Contributions

FYE	Per Member Agency	Inc/(Dcr) Over Prior Year	Total
2015	\$339,090	\$8,723	2.64%
2016	269,559	(69,531)	(20.51%)
2017	287,861	18,302	6.79%
2018	288,423	562	0.20%
2019	294,339	5,916	2.05%



Member Contributions per Agency

Activity	FYE 2017	FYE 2018	FYE 2019
General Planning	\$70,000	\$71,200	\$71,200
USBR Partnership Studies	4,000	4,000	4,000
Watershed Management (OWOW)	60,000	80,000	85,000
SA River Fish Conservation	2,000	2,000	2,000
Stormwater Quality Standards TF	10,000	0	0
LESJWA Management	2,000	2,000	2,000
State/Federal Lobbying	49,861	39,223	40,139
General Fund	90,000	90,000	90,000
Total Agency Contribution	\$287,861	\$288,423	\$294,339



Grant/Technical Writer Position

- Salary & Benefit Cost of Grant/Technical Writer
 - FYE 2018 = \$152,411
 - FYE 2019 = \$163,526
- Cost of Consultant for Grant and Technical Writer
 - 1,400 hours per year (based on Strategic Assessment)
 - Average hourly rate based on consultant inquiry
\$164/hour
 - Cost per year = \$229,600



Overall Budget Impact of New Position Versus Consultant – FYE 2018

	With Position	With Consultant	Difference
Total Salaries	\$3,592,414	\$3,480,573	\$111,841
Total Benefits	1,569,289	1,528,719	40,570
Benefit Rate	43.7%	43.9%	(0.20%)
General Fund Costs	3,400,725	3,359,314	41,411
Total Project Labor Costs	2,091,516	2,010,862	80,654
Indirect Rate	1.411	1.447	(0.036%)
Member Agency Contributions	\$288,423	\$293,243	(4,820)



Overall Budget Impact of New Position Versus Consultant – FYE 2019

	With Position	With Consultant	Difference
Total Salaries	\$3,859,112	\$3,738,826	\$120,286
Total Benefits	1,686,262	1,643,022	43,240
Benefit Rate	43.7%	43.9%	(0.20%)
General Fund Costs	3,571,569	3,529,448	42,121
Total Project Labor Costs	2,212,970	2,128,538	84,432
Indirect Rate	1.411	1.447	(0.036%)
Member Agency Contributions	\$294,339	\$298,362	(4,023)



Indirect Rate Calculation – FYE 2018

	With Position	With Consultant
General Fund Costs	3,400,725	3,359,314
Less Member Agency Contributions	(450,000)	(450,000)
Indirect Costs for Distribution	2,950,725	2,909,314
Divided by Total Project Labor Costs	2,091,517	2,010,862
Indirect Rate	1.411	1.447



Indirect Rate Calculation – FYE 2019

	With Position	With Consultant
General Fund Costs	3,571,569	3,529,448
Less Member Agency Contributions	(450,000)	(450,000)
Indirect Costs for Distribution	3,121,569	3,079,448
Divided by Total Project Labor Costs	2,212,970	2,128,538
Indirect Rate	1.411	1.447



CalPERS Retirement UAL

Unfunded Accrued Liability (UAL) at 06/30/17 = \$2,713,583

Payment Date	30 year Amortization	20 year Amortization	15 year Amortization
06/30/17	\$140,237	\$204,890	\$248,753
06/30/18	172,163	211,037	256,216
06/30/19	205,879	217,368	263,902
06/30/20	219,491	223,889	271,819
06/30/21	236,631	230,606	279,974
06/30/22	243,729	237,524	288,373
06/30/23	251,041	244,650	297,024

Information is based on the 2015 PERS Valuation

UAL Balance at 06/30/17

Reason for Base	Date Established	Amortization Period	Balance 06/30/17	Payment 2017-18
Share of Pre-2013 Pool UAL	06/30/13	20	\$1,002,363	\$75,684
Asset (Gain)/Loss	06/30/13	28	1,510,135	60,907
Non-Asset (Gain)/Loss	06/30/13	28	(14,517)	(586)
Asset (Gain)/Loss	06/30/14	29	(1,180,625)	(32,258)
Assumption Change	06/30/14	19	728,212	27,078
Non-Asset (Gain)/Loss	06/30/14	29	1,257	34
Asset (Gain)/Loss	06/30/15	30	723,826	10,181
Non-Asset (Gain)/Loss	06/30/15	30	(57,068)	(803)
Total			\$2,713,583	\$140,238



UAL Balance at 06/30/17

Reason for Base	Balance at 06/30/17
Projected UAL @ 06/30/17	\$2,713,583
Change in UAL from discount rate change	1,066,223
Asset loss for the 2016-17 fiscal year *	850,000
UAL @ 06/30/17	\$4,629,806
Estimated payment @ 20-year amortization	\$335,727
Increase from 2015 Valuation	\$130,837
Increase % from 2015 Valuation	63.9%
Additional Amount Needed from Budget	\$194,490
Additional per Member Agency Contribution	\$39,098

* Actual return for FY 2016-17 was 0.60% compared to 7.00%

OPEB Unfunded Actuarial Accrued Liability

- Actuarial Valuation required every two years
- Last valuation was 07/01/15 for FYE 2016

	July 1, 2015
Discount Rate	6.73%
Actuarial Accrued Liability	\$1,531,845
Actuarial Value of Assets	(967,991)
Unfunded Actuarial Accrued Liability	\$563,854
Plan Participants:	
Active	9
Retirees	5
Total Plan Participants	14



OPEB Unfunded Actuarial Accrued Liability

- Budgeted Annual Required Contribution (ARC) for FYE 2018 and 2019 = \$113,000 per year.
- Because SAWPA pays the ARC we do not have to show the liability on the Statement of Net Assets.
- SAWPA has a Net OPEB Asset of \$478,046 as of 06/30/16.
- SAWPA uses the California Employers' Retiree Benefit Trust Fund (CERBT) to administer the plan.



Questions?