

RTRF Report FY 2023

Christopher Sabine
Interim Vice Provost for Research and Scholarship



UNIVERSITY
of HAWAII®
MĀNOA

Office of the Vice Provost for Research and Scholarship
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Preamble

The University of Hawai'i at Mānoa continues to maintain vibrant and active research programs with over \$340 million in new extramural funds in FY-23. The focus of the Office of the Vice Provost for Research and Scholarship will be to continue to use Research and Training Revolving Fund (RTRF) toward increasing the quality and quantity of the research/scholarship across the institution.

During FY-22 our faculty generated \$45,892,187.23 in indirect costs, of which \$199,667.95 was adjusted for Systemwide support resulting in and adjusted allocation of \$45,692,519.28. 25% of this total was kept at the level of the UH System (\$11,461,211.08) and 75% returned to Mānoa (\$34,231,308.20). Of the amount returned to Mānoa, 2/3 was directly returned to the units generating the funds. The remainder was distributed by the Office of the Vice Provost for Research and Scholarship for research/scholarship support (e.g. start-up, infrastructure, cost sharing, etc.).

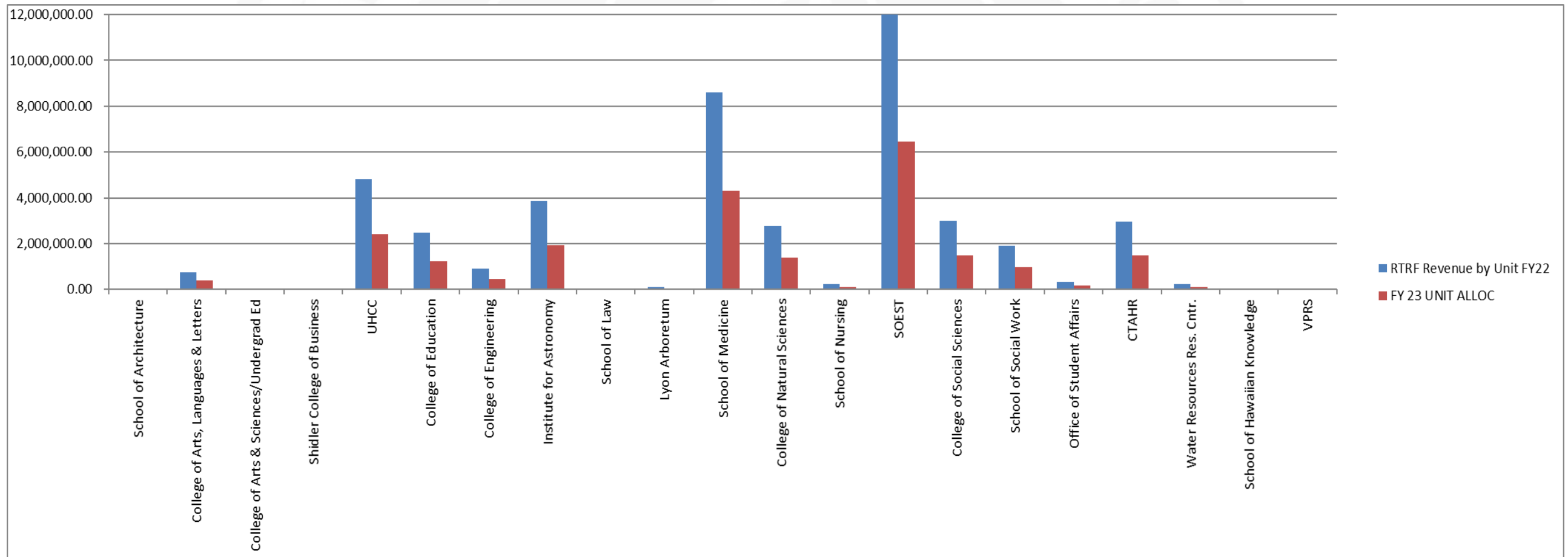
Detailed on the following pages is a summary report for RTRF expenditures for FY-23. The format for this report is as requested by the Senate Executive Committee.

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How much RTRF is returned to Mānoa each year?

	FY 2015		FY 2016		FY 2017		FY 2018		FY 2019		FY 2020		FY 2021		FY 2022		FY 2023	
	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
Mānoa's Overhead Generated in prior FY		38,825,342.00		39,126,519.00		39,296,269.81		40,508,980.24		41,376,567.77		43,684,790.82		42,860,754.39		42,176,964.01		45,892,187.23
Maunakea Related Programs (Risk Management Fund)								(2,498,700.00)		(2,073,750.00)		(2,936,977.00)						
RCUH Management Fee														(3,730,950.00)		(4,217,683.00)		(3,798,000.00)
Internet Connections										(671,894.00)								
RTRF Difference Adjustment								(701,579.26)		339,908.18		1,459,343.92		(824,036.43)		(683,790.38)		3,693,051.05
Other Adjustments																(568,184.36)		94,719.00
Adjusted RTRF Base								37,308,700.98		38,970,831.95		42,207,157.74		38,305,767.96		36,707,306.27		45,692,519.28
System	25%	9,706,336.00	28%	11,113,812.00	28%	9,727,020.00	25%	9,261,553.00	25%	9,631,047.95	25%	10,428,694.74	25%	9,507,483.96	25%	9,086,191.26	25%	11,461,211.08
Mānoa	75%	29,119,006.00	72%	28,012,708.00	72%	29,569,251.00	75%	28,047,148.00	75%	29,339,784.00	75%	31,778,463.00	75%	28,798,284.00	75%	27,621,115.00	75%	34,231,308.20
TOTAL	100%	38,825,342.00	100%	39,126,520.00	100%	39,296,271.00	100%	37,308,701.00	100%	38,970,831.95	100%	42,207,157.74	100%	38,305,767.96	100%	36,707,306.26	100%	45,692,519.28
Manoa's Allocation		29,119,006.00		28,012,708.00		29,569,251.00		28,047,148.00		29,339,784.00		31,778,463.00		28,798,284.00		27,621,115.00		34,231,308.20
Directly Returned to Units	67%	19,412,670.00	67%	18,883,687.00	70%	20,616,075.11	69%	19,296,484.00	77%	22,594,525.27	78%	24,648,902.80	76%	22,014,421.50	76%	20,854,539.50	77%	26,274,941.00
Retained for Distribution by the OVPRS		9,706,336.00		9,129,021.00		8,650,086.98		8,889,425.36		6,745,258.73		7,129,560.20		6,783,862.50		6,766,575.50		7,956,367.20

RTRF Revenue and Allocation (i.e. the “50% to the units”)



RTRF Revenue/Allocation

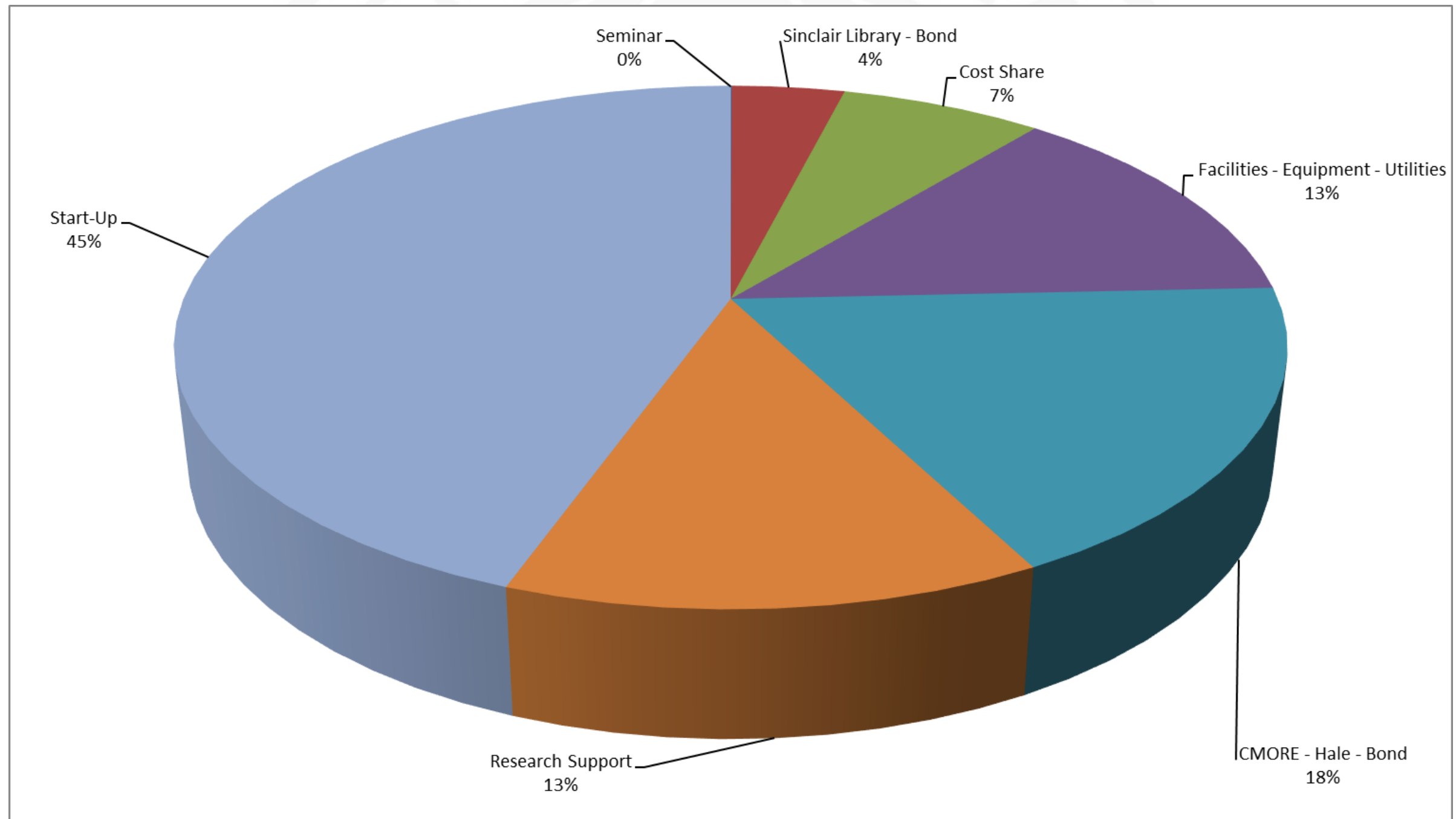
School Code	UNIT	RTRF Revenue by Unit FY22	FY 23 UNIT ALLOC	Return of RTRF (Negative Allocations from Previous Years)	Final FY23 UNIT ALLOCATION
7	School of Architecture	(34,007.68)	(17,004.00)		(17,004.00)
8	College of Arts, Languages & Letters	757,584.26	378,792.00	(5,754.00)	373,038.00
96	College of Arts & Sciences/Undergrad E	34,598.34	17,299.00		17,299.00
13	Shidler College of Business	6,169.56	3,085.00		3,085.00
15	UHCC	4,818,300.80	2,409,150.00		2,409,150.00
21	College of Education	2,462,079.45	1,231,040.00		1,231,040.00
26	College of Engineering	897,721.19	448,861.00		448,861.00
44	Institute for Astronomy	3,853,678.58	1,926,839.00		1,926,839.00
50	School of Law	54,652.19	27,326.00		27,326.00
54	Lyon Arboretum	104,942.19	52,471.00		52,471.00
55	School of Medicine	8,613,005.21	4,306,503.00		4,306,503.00
57	College of Natural Sciences	2,756,772.13	1,378,386.00		1,378,386.00
58	School of Nursing	223,394.22	111,697.00		111,697.00
59	SOEST	12,877,238.32	6,438,619.00		6,438,619.00
67	College of Social Sciences	2,986,150.78	1,493,075.00		1,493,075.00
68	School of Social Work	1,910,311.79	955,156.00		955,156.00
72, 75, 79	Office of Student Affairs	334,322.48	167,161.00		167,161.00
05, 81	CTAHR	2,954,749.59	1,477,375.00		1,477,375.00
27, 89	Water Resources Res. Cntr.	224,775.58	112,388.00		112,388.00
73	School of Hawaiian Knowledge	(20,749.29)	(10,375.00)		(10,375.00)
16	VPRS	(141,712.40)			0.00
	Provost Office	18,541.99	9,271.00		9,271.00
	TOTAL Mānoa	45,692,519.28	22,917,115.00	(5,754.00)	22,911,361.00

VPRS-RTRF Commitments at Mānoa for FY-23

PURPOSE	TOTAL
Seminar	2,390.03
Sinclair Library - Bond	294,540.16
Cost Share	527,088.00
Facilities - Equipment - Utilities	1,000,000.00
CMORE - Hale - Bond	1,356,148.77
Research Support	986,692.06
Start-Up	3,340,694.00
GRAND TOTAL	7,507,553.02

As of June 30, 2023
By Category

How were the VPRS-RTRF funds committed in FY-22?



Summary of VPRS – RTRF Commitments to the Units

Department	Amount
CALL	1,347.43
HSHK	4,500.00
CTAHR	100,000.00
WRRC	101,196.00
GSO	111,075.00
UHMBF	177,318.26
CSS	277,088.00
IFA	517,390.03
VPRS	633,255.37
Engineering	678,944.00
SOEST	950,000.00
Facilities	1,000,000.00
Nat Sci	1,304,750.00
VPRS - Bond	1,650,688.93
GRAND TOTAL	7,507,553.02

- VPRS – \$633,255.37 is the amount of support for campus wide services such as Faculty Research Travel, Environmental, Health and Safety support, and Undergraduate Research Initiatives
- VPRS Bond - CMORE \$1,356,148.77 is the repayment of revenue bond interest for CMORE-Hale (this is year 12 of a 30 year commitment).
- VPRS Bond - Sinclair \$294,540.16 is the repayment – of revenue bond interest for Sinclair Library (this is year 11 of a 30 year commitment).

RTRF Commitments (As of June 30, 2023)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Facilities	Infrastructure	Facilities/Equipment	Utilities	Yamada, Gale	1,000,000.00
CALL	Humanities, Social Sciences &	Research Support	FY05-Cuurent A&H Facilitating Svcs	Fisher, Elizabeth	1,347.43
CSS	Science & Engineering	Cost Share	ARCHE	Juarez, Ruben	277,088.00
CTAHR	Science & Engineering	Start Up	Wickland Start Up	Wickland	50,000.00
CTAHR	Science & Engineering	Start Up	Roell Start Up	Roell	50,000.00
ENGR	Science & Engineering	Start Up	Boris Murmann Start Up	Murmann, Boris	162,000.00
ENGR	Science & Engineering	Start Up	Liuwan Zhu Start Up	Zhu, Liuwan	71,111.00
ENGR	Science & Engineering	Start Up	Haofan Cai Start Up	Cai, Haofan	58,333.00
ENGR	Science & Engineering	Start Up	Anouck Girard Start Up	Girard Anouck	30,000.00
ENGR	Science & Engineering	Start Up	Osvaldo Vitali Start Up	Vitali, Osvaldo	60,000.00
ENGR	Science & Engineering	Start Up	Murad Hossain Start Up	Hossain, Murad	87,500.00
ENGR	Science & Engineering	Start Up	Tianlu Wang Start Up	Wang, Tianlu	80,000.00
ENGR	Science & Engineering	Start Up	Alam, Mohammad	Mohammad, Alam	70,000.00
ENGR	Science & Engineering	Start Up	Kim, Juhee	Kim, Juhee	60,000.00
GSO	Humanities, Social Sciences &	Research Support	GSO Support	Ideta, Lori	50,000.00
GSO	Science & Engineering	Research Support	Merit Based Awards	Westfall-Senda, Mandy	61,075.00
HSHK	Humanities, Social Sciences &	Start Up	Kawaihuelani Start Up	Williams-Solomon, Noah	4,500.00
IFA	Science & Engineering	Start Up	Ben Margalit Start Up	Margalit, Ben	175,000.00
IFA	Science & Engineering	Start Up	Fei Dai Start Up	Dai, Fei	190,000.00
IFA	Science & Engineering	Start Up	Vanessa Polito Start Up	Polito, Vanessa	150,000.00
IFA	Science & Engineering	Seminar	AMOS Conference for Karen Meech	Meech, Karen	2,390.03

RTRF Commitments

(As of June 30, 2023)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Nat Sci	Science & Engineering	Start Up	Microbiology	Norris, Michael	124,750.00
Nat Sci	Science & Engineering	Start Up	EPSCOR Hire	Sun, Jennifer	240,000.00
Nat Sci	Science & Engineering	Start Up	Paul Raston Start Up	Raston, Paul	177,500.00
Nat Sci	Science & Engineering	Start Up	Zuxiao Zhang Start Up	Zhang, Zuxiao	200,000.00
Nat Sci	Science & Engineering	Start Up	EPSCOR Hire (Mohammad Jaad Amiri)	Amiri, Mohammad	80,000.00
Nat Sci	Science & Engineering	Start Up	EPSCOR Hire (Tianlong Chen)	Chen, Tianlong	80,000.00
Nat Sci	Science & Engineering	Start Up	Mark Burgman Start Up	Burgman, Mark	100,000.00
Nat Sci	Science & Engineering	Start Up	Peter Lewis Start Up	Lewis, Peter	150,000.00
Nat Sci	Science & Engineering	Start Up	Daniel Erman Start Up	Erman, Daniel	37,500.00
Nat Sci	Science & Engineering	Start Up	Andy Rominger Start Up	Rominger, Andy	115,000.00
OMBF	Science & Engineering	Research Support	Ka Malu A Wa'ahila	Nakajima, Thad	177,318.26
SOEST	Science & Engineering	Cost Share	COBRE II Support	Amend, Anthony	250,000.00
SOEST	Science & Engineering	Start Up	Aly El-Kadi Replacement		100,000.00
SOEST	Science & Engineering	Start Up	Uehiro Center for the Advancement of Oceanography		100,000.00
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SOEST	Science & Engineering	Start Up	Leo Geng Start Up	Geng, Leo	100,000.00
SOEST	Science & Engineering	Start Up	Aaron Pietruszka Start Up	Pietruszka, Aaron	100,000.00
SOEST	Science & Engineering	Start Up	Fanny Girard Start Up	Girard, Fanny	100,000.00
SOEST	Science & Engineering	Start Up	Jack Muir	Muir, Jack	100,000.00
VPRS	Science & Engineering	Research Support	Undergraduate Research Initiative	Litton, Creighton	95,250.00
VPRS	Science & Engineering	Research Support	Makai Pier Management	Sabine, Christopher	25,000.00
VPRS	Science & Engineering	Research Support	TIG Year 4 of 5	Sabine, Christopher	69,500.00
VPRS	Science & Engineering	Research Support	UROP	Litton, Creighton	150,000.00
VPRS	Science & Engineering	Research Support	UROP	Litton, Creighton	280,000.00
VPRS	Science & Engineering	Research Support	Creighton Litton Support	Sabine, Christopher	13,505.37
VPRS			CMORE Revenue Bond Payment		1,356,148.77
VPRS			Sinclair Revenue Bond Payment		294,540.16
WRRRC	Science & Engineering	Research Support	Director Support	Kameoka, Velma	63,696.00
WRRRC	Science & Engineering	Start Up	WRRRC Environmental Chem		37,500.00



What policies are currently in place for how funds are spent within the University of Hawai'i System and the UH Mānoa Campus?

- Hawai'i Revised Statutes Section 304A-2253, Research and Training Revolving Fund (RTRF), established a University of Hawai'i research and training revolving fund into which 100% of the total amount of the indirect overhead revenues generated by the university is deposited into this account. RTRF allocation is based on the prior year revenue.
- Any extension of the RTRF allocation period and any deviation in expenditure must be approved by the VPRS.

How are the funds used to support and build the research infrastructure that brought the funds into the University System?

- A primary focus of the VPRS is on those units that generated the funds.
- Expenditures are made in consultation with the relevant units, Deans, Directors and Faculty.

What funds are projected for this year?

- In FY-23, Mānoa generated \$57,704,304.57.
- The return to Mānoa in FY-24 is \$28,528,949 that will be distributed campuswide.

How will these funds be distributed and utilized this year?

- For FY-24, the same formula will be used.
- 2/3 of the Mānoa allocation will be distributed to the units generating the overhead revenue.
- 1/3 will be kept at Mānoa for research support (e.g. start-up, infrastructure, cost sharing, etc.)