

RTRF Report FY 2024

Christopher Sabine
Interim Vice Provost for Research and Scholarship



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-24. 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-23 our faculty generated \$56,505,202.92 in indirect costs, of which \$1,199,101.65 was adjusted for Systemwide support and the difference in RTRF resulting in an adjusted allocation of \$57,704,304.57. 25% of this total was kept at the level of the UH System (\$14,275,133.57) and 75% returned to Mānoa (\$43,429,171.00). 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.).

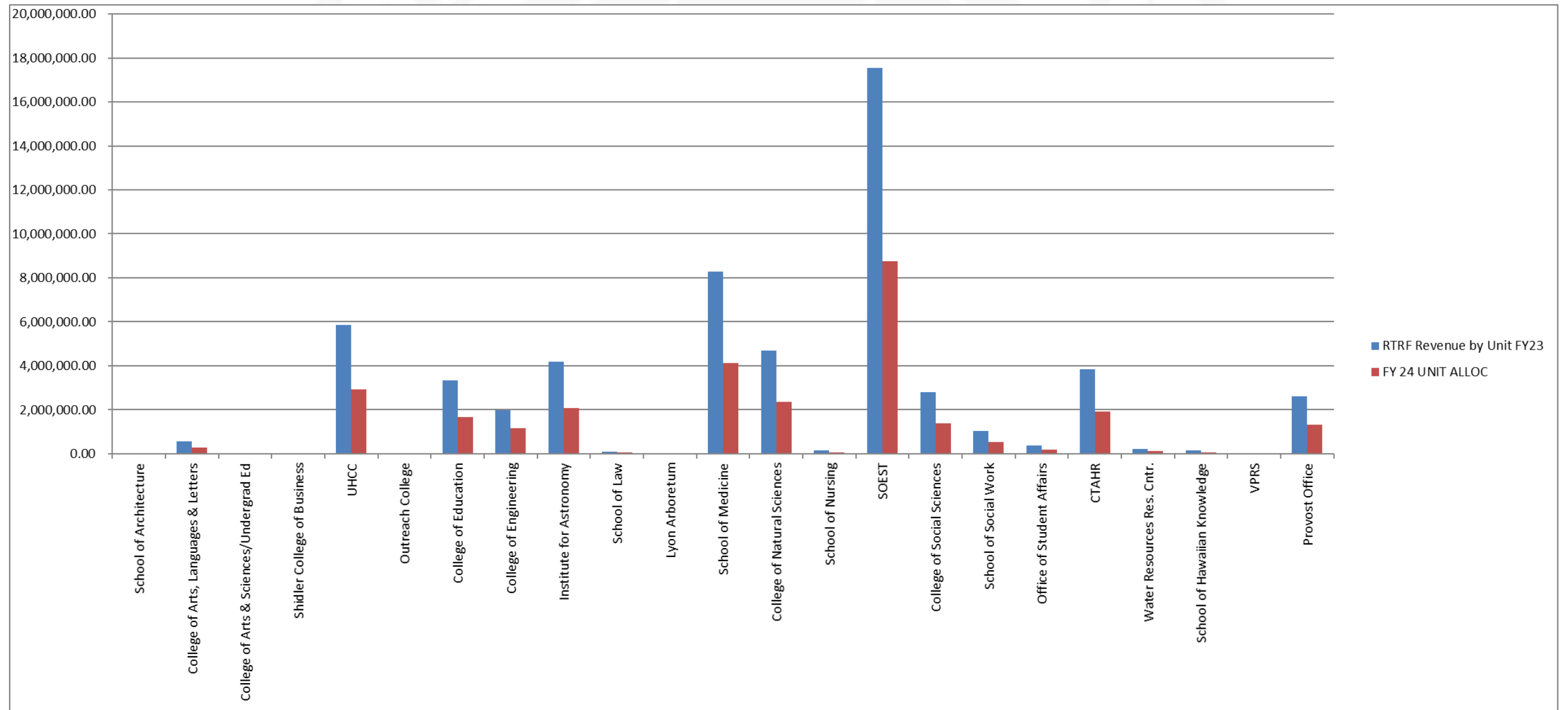
Detailed on the following pages is a summary report for RTRF expenditures for FY-24. The format for this report is as requested by the Senate Executive Committee.

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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		FY 2024	
	%	Amount	%	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		56,505,202.92
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)		(3,807,781.00)	
A-133 Single Audit - HEERF																				(9,551.23)
A-133 Single Audit - SLFRF																				(20,973.26)
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		4,942,688.14	
Other Adjustments														(568,184.36)		94,719.00		94,719.00		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		57,704,304.57	
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	25%	14,275,133.57
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	75%	43,429,171.00
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	100%	57,704,304.57
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		43,429,171.00
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	74%	32,064,845.00
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		11,364,326.00

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



RTRF Revenue/Allocation

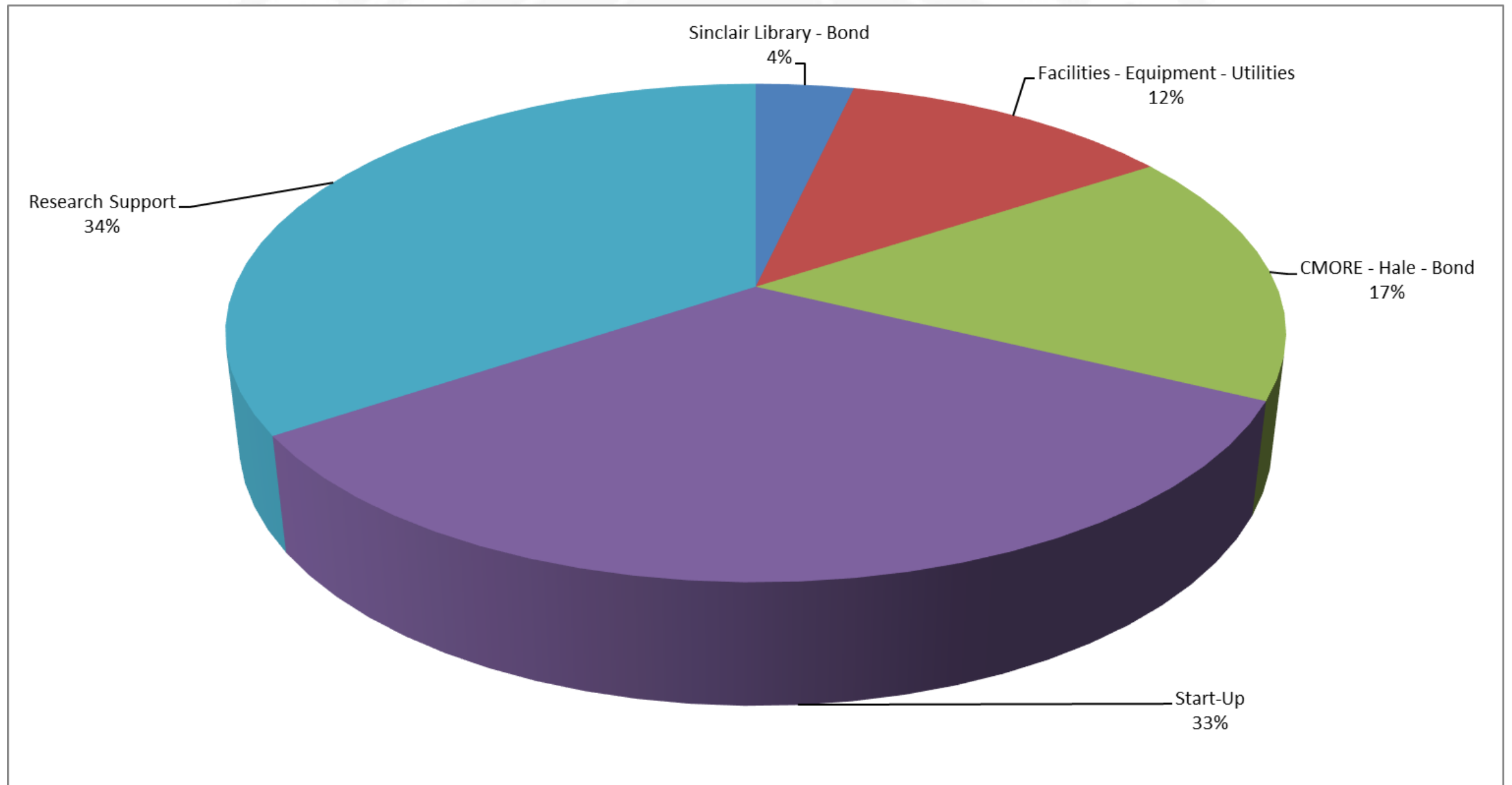
UNIT	RTRF Revenue by Unit FY23	FY 24 UNIT ALLOC	Return of RTRF (Negative Allocations from Previous Years)	Assessment for Academic Analytics 1.5%	Final FY24 UNIT ALLOCATION
School of Architecture	(16,914.08)	(8,457.00)			(8,457.00)
College of Arts, Languages & Letters	579,513.89	289,757.00		(4,346.36)	285,411.00
College of Arts & Sciences/Undergrad Ed	(23,549.41)	(11,775.00)			(11,775.00)
Shidler College of Business	(12,271.58)	(6,136.00)			(6,136.00)
UHCC	5,868,909.99	2,934,455.00		(44,016.83)	4,357,666.00
Outreach College	11,755.58	5,878.00	(2,454.00)	(88.17)	3,336.00
College of Education	3,344,314.88	1,672,157.00		(25,082.36)	1,647,075.00
College of Engineering	1,992,576.67	1,172,305.00		(17,584.58)	1,154,720.00
Institute for Astronomy	4,176,771.81	2,088,386.00		(31,325.79)	2,057,060.00
School of Law	95,201.30	47,601.00		(714.02)	46,887.00
Lyon Arboretum	33,276.60	16,638.00		(249.57)	16,388.00
School of Medicine	8,278,766.94	4,139,383.00		(62,090.75)	6,146,984.00
College of Natural Sciences	4,704,413.25	2,352,207.00		(35,283.11)	2,266,073.00
School of Nursing	140,967.70	70,484.00		(1,057.26)	69,427.00
SOEST	17,539,253.11	8,769,627.00		(131,544.41)	8,638,083.00
College of Social Sciences	2,799,959.27	1,399,980.00		(20,999.70)	1,378,980.00
School of Social Work	1,052,641.54	526,321.00		(7,894.82)	518,426.00
Office of Student Affairs	389,696.96	194,848.00		(2,922.72)	191,925.00
CTAHR	3,854,689.67	1,927,345.00		(28,910.18)	1,898,435.00
Water Resources Res. Cntr.	232,713.30	116,357.00		(1,745.36)	114,612.00
School of Hawaiian Knowledge	142,559.03	71,280.00	(10,375.00)	(1,069.20)	59,836.00
VPRS	(99,653.60)	(49,827.00)			(49,827.00)
Provost Office	2,618,711.76	1,309,356.00		(19,640.34)	1,289,716.00
TOTAL Mānoa	57,704,304.58	29,028,170.00	(12,829.00)	(436,565.52)	32,064,845.00

VPRS-RTRF Commitments at Mānoa for FY-24

PURPOSE	TOTAL
Sinclair Library - Bond	294,516.80
Facilities - Equipment - Utilities	1,000,000.00
CMORE - Hale - Bond	1,355,938.52
Start-Up	2,749,941.00
Research Support	2,831,127.27
GRAND TOTAL	8,231,523.59

**As of June 30, 2024
By Category**

How were the VPRS-RTRF funds committed in FY-24?



Summary of VPRS – RTRF Commitments to the Units

Department	Amount
WRRC	73,696.00
Social Sciences	100,000.00
LYON	100,000.00
CTAHR	150,000.00
GSO	111,075.00
IFA	357,500.00
SOEST	603,606.27
Engineering	853,873.00
Facilities	1,000,000.00
Nat Sci	1,128,568.00
VPRS - Bond	1,650,455.32
VPRS	2,102,750.00
GRAND TOTAL	8,231,523.59

- VPRS – \$2,102,750.00 is the amount of support for campus wide services such as Faculty Research Travel, Environmental, Health and Safety support, and Undergraduate Research Initiatives and Research Infrastructure Repair and maintenance.
- VPRS Bond - CMORE \$1,355,938.52 is the repayment of revenue bond interest for CMORE-Hale (this is year 13 of a 30 year commitment).
- VPRS Bond - Sinclair \$294,516.80 is the repayment – of revenue bond interest for Sinclair Library (this is year 12 of a 30 year commitment).

RTRF Commitments (As of June 30, 2024)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
CTAHR	Science & Engineering	Start Up	Jaing Start Up	Jaing	70,000.00
CTAHR	Science & Engineering	Start Up	Tai McClellan Maaz Start Up	McClellan Maaz, Tai	50,000.00
CTAHR	Science & Engineering	Start Up	John Souza Start Up	Souza, John	30,000.00
ENGR	Science & Engineering	Start Up	Daisey Green Start Up	Green, Daisey	70,000.00
ENGR	Science & Engineering	Start Up	Daniel Drew Start Up	Drew, Daniel	100,000.00
ENGR	Science & Engineering	Start Up	Hanqing Guo Start Up	Guo, Hanqing	63,000.00
ENGR	Science & Engineering	Start Up	Andrei Klishin Start Up	Klishin, Andrei	35,000.00
ENGR	Science & Engineering	Start Up	Branden Allen Start Up	Allen, Branden	40,000.00
ENGR	Science & Engineering	Start Up	Melia Talagi Start up	Talagi, Melia	88,333.00
ENGR	Science & Engineering	Start up	Vineeth Dhamapalan Start Up	Dharmapalan, Vineeth	50,000.00
ENGR	Science & Engineering	Start Up	Charrier Start Up	Charrier	50,000.00
ENGR	Science & Engineering	Start Up	Trevor Shimokusu Start Up	Shimokusu, Trevor	37,300.00
ENGR	Science & Engineering	Start Up	Jun Wang Start Up	Wang, Jun	52,000.00
ENGR	Science & Engineering	Start Up	Te Faye Yap Start Up	Yap, Te Faye	90,000.00
ENGR	Science & Engineering	Start Up	Giuseppe Gallo Start Up	Gallo, Giuseppe	83,333.00
ENGR	Science & Engineering	Start up	Haoyue Tang Start Up	Tang, Haoyue	42,907.00
ENGR/IFA	Science & Engineering	Start up	Chris Hamner Start Up	Hamner, Chris	52,000.00
Facilities	Infrastructure	Facilities/Equipment	Utilities	Yamada, Gale	1,000,000.00
GSO	Humanities, Social Sciences & Arts	Research Support	GSO Support	Ideta, Lori	50,000.00
GSO	Science & Engineering	Research Support	Merit Based awards	Westfall-Senda, Mandy	61,075.00
IFA	Science & Engineering	Start Up	Jeffrey Reep Start Up	Reep, Jeffrey	150,000.00
IFA	Science & Engineering	Start Up	David Jones Start Up	Jones, David	87,500.00
IFA	Science & Engineering	Start up	Chris Ahsall Start up	Ahsall, Chris	120,000.00
LYON	Science & Engineering	Start Up	Neusa Steiner Start Up	Steiner, Neusa	100,000.00

RTRF Commitments (As of June 30, 2024)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Nat Sci	Science & Engineering	Start Up	Siqi Li Start Up	Li, Siqi	175,000.00
Nat Sci	Science & Engineering	Start Up	Keisuke Yoshihara Start Up	Yoshihara, Keisuke	38,333.00
Nat Sci	Science & Engineering	Research Support	Liquid Nitrogen Plant purchase	Williams, Philip	300,000.00
Nat Sci	Science & Engineering	Start up	Niels Bidault Start Up	Bidault, Niels	213,235.00
Nat Sci	Science & Engineering	Start up	Yifan Wang Start Up	Wang, Yifan	76,000.00
Nat Sci	Science & Engineering	Start Up	Yingwei Li Start Up	Li, Yingwei	100,000.00
Nat Sci	Science & Engineering	Start Up	Andrey Popov Start Up	Popov, Andrey	76,000.00
Nat Sci	Science & Engineering	Start Up	Tosaporn Sattasathuchana Start up	Sattasathuchana, Tosaporn	150,000.00
Soc Sci	Science & Engineering	Start Up	Cassie Hendrix Start Up	Hendrix, Cassie	100,000.00
SOEST	Science & Engineering	Start Up	Alyssa Anderson Start Up	Anderson, Alyssa	60,000.00
SOEST	Science & Engineering	Start Up	Godwin Severa Start Up	Severa, Godwin	100,000.00
SOEST	Science & Engineering	Research Support	Erik Franklin Support	Franklin, Erik	210,606.27
SOEST	Science & Engineering	Start Up	Mary Donovan Start Up	Donovan, Mary	100,000.00
SOEST	Science & Engineering	Research Support	Margaret McManus Retention	McManus, Margaret	33,000.00
SOEST	Science & Engineering	Start Up	Ale Sanchez-Rios	Sanchez-Rios, Ale	100,000.00
VCR	Science & Engineering	Research Support	Undergraduate Research Initiative	Litton, Creighton	95,250.00
VPRS	Science & Engineering	Research Support	TIG Support	Sabine, Christopher	69,500.00
VPRS	Science & Engineering	Research Support	Faculty Travel	Sabine, Christopher	350,000.00
VPRS	Infrastructure	Research Support	Steve Poulos Cost Share	Sabine, Christopher	120,000.00
VPRS	Science & Engineering	Research Support	RCUH salary support	Sabine, Christopher	250,000.00
VPRS	Infrastructure	Research Support	VPRS Portion of NCURA conferences	Sabine, Christopher	18,000.00
VPRS	Science & Engineering	Research Support	UROP Operating	Sabine, Christopher	200,000.00
VPRS	Infrastructure	Research Support	EHSO operating	Kennedy, Emma	1,000,000.00
VPRS			CMORE Revenue Bond Payment		1,355,938.52
VPRS			Sinclair Revenue Bond Payment		294,516.80
WRRC	Science & Engineering	Research Support	Director Support	Sabine, Christopher	63,696.00
WRRC	Science & Engineering	Research Support	Maui Safe drinking water emergency	Giambelluca, Tom	10,000.00

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-24, Mānoa generated \$57,195,102.36.
- The return to Mānoa in FY-25 is \$32,298,633 that will be distributed campuswide.

How will these funds be distributed and utilized this year?

- For FY-25, 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.)