

RTRF Report FY 2022

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 \$366 million in new extramural funds in FY-22. 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-21 the recovered F&A generated by our faculty was \$42,176,964.01, of which \$5,469,657.74 was adjusted for Systemwide support resulting in an adjusted recovery of \$36,707,306.26. 25% of this total was kept at the UH System level (\$9,086,191.26) and 75% returned to Mānoa (\$27,621,115). Of the amount returned to Mānoa, 3/4 was directly returned to the units that generated the funds. The remainder was invested 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 allocations for FY-22. The format for this report is as requested by the Senate Executive Committee.

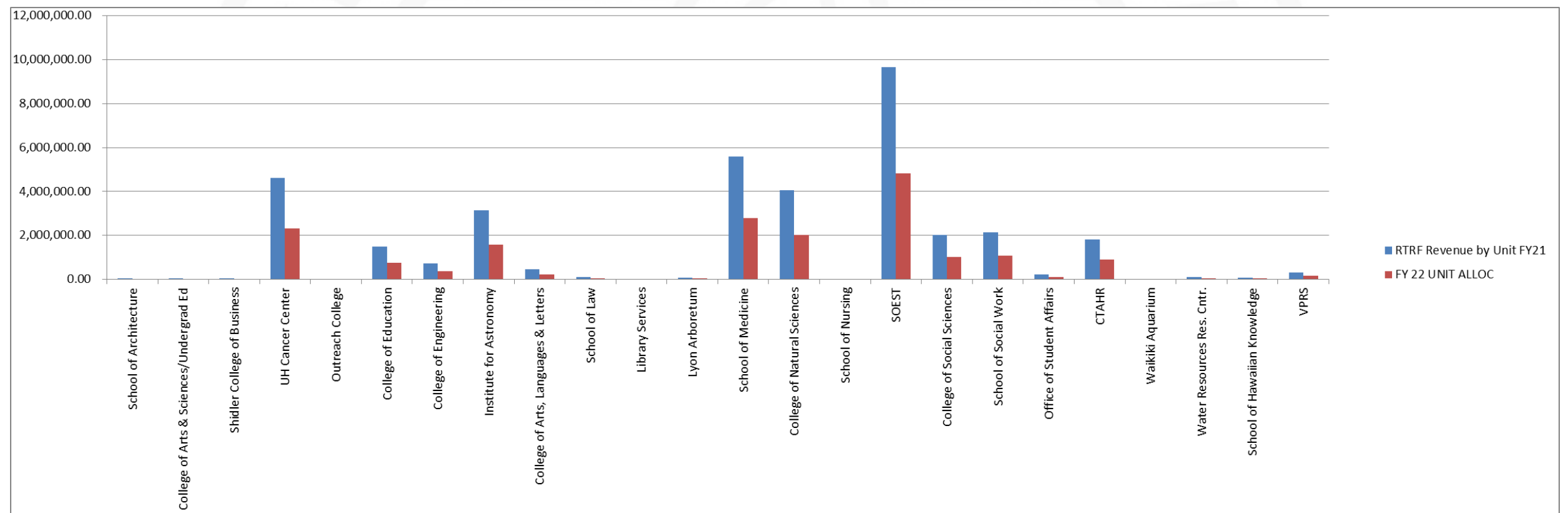
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How much RTRF is returned to Mānoa each year?

	FY 2014		FY 2015		FY 2016		FY 2017		FY 2018		FY 2019		FY 2020		FY 2021		FY 2022	
	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
Mānoa's Overhead Generated in prior FY		40,756,730.67		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
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)
Internet Connections												(671,894.00)						
RTRF Difference Adjustment										(701,579.26)		339,908.18		1,459,343.92		(824,036.43)		(683,790.38)
Other Adjustments																		(568,184.36)
Adjusted RTRF Base										37,308,700.98		38,970,831.95		42,207,157.74		38,305,767.96		36,707,306.27
System	25%	10,189,182.67	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
Mānoa	75%	30,567,548.00	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
TOTAL	100%	40,756,730.67	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
Manoa's Allocation		30,567,548.00		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
Directly Returned to Units	67%	20,378,367.00	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

	FY 2022	
	%	Amount
Mānoa's Overhead Generated in prior FY		42,176,964.01
Maunakea Related Programs (Risk Management Fund)		
RCUH Management Fee		(4,217,683.00)
Internet Connections		
RTRF Difference Adjustment		(683,790.38)
Other Adjustments		(568,184.36)
Adjusted RTRF Base		36,707,306.27
System	25%	9,086,191.26
Mānoa	75%	27,621,115.00
TOTAL	100%	36,707,306.26
Manoa's Allocation		27,621,115.00
Directly Returned to Units	76%	20,854,539.50

RTRF Revenue and Allocation (i.e. the “3/4 to the units”)



RTRF Revenue/Allocation

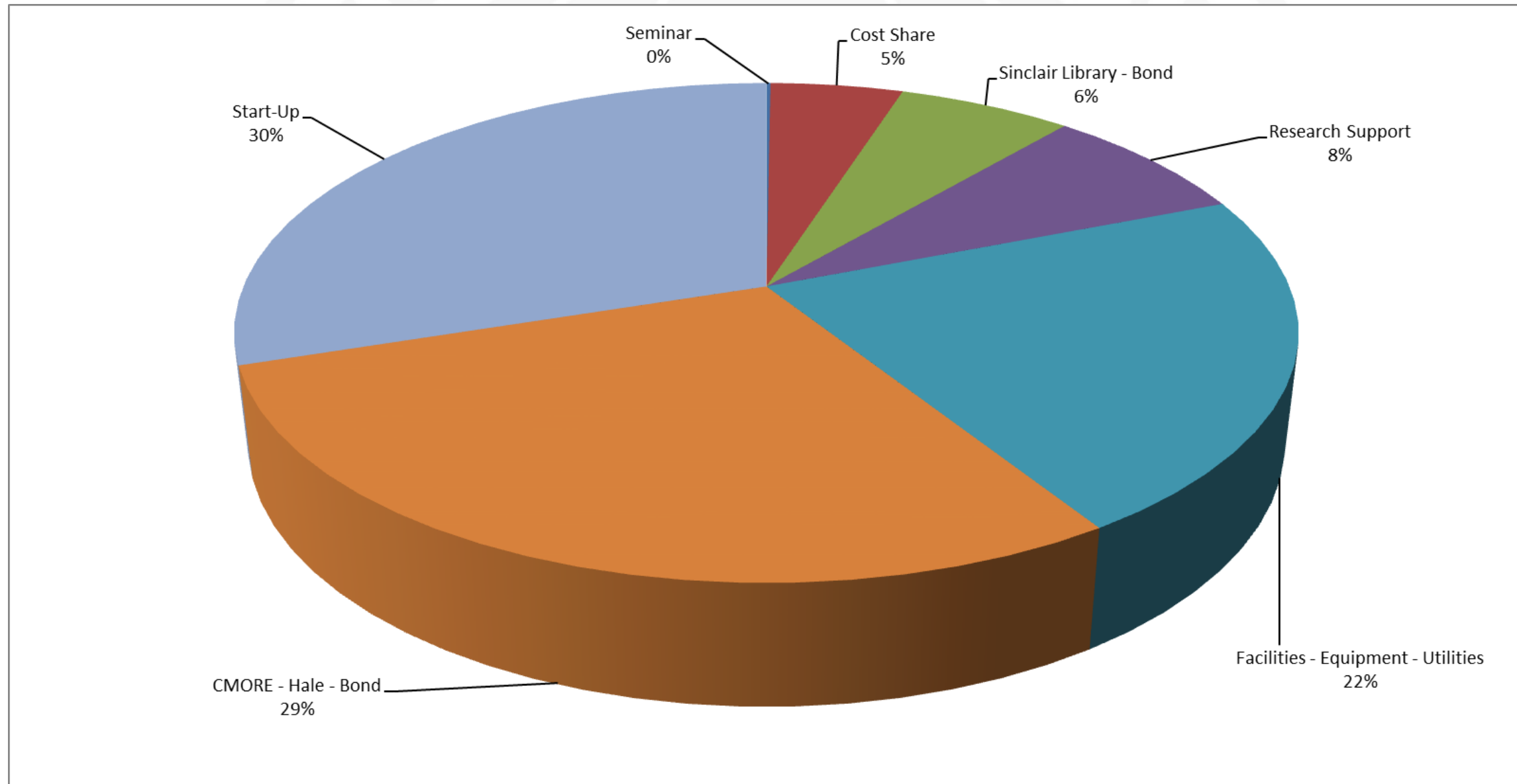
School Code	UNIT	RTRF Revenue by Unit FY21	FY 22 UNIT ALLOC	Return of RTRF (Negative Allocations from Previous Years)	Final FY22 UNIT ALLOCATION
7	School of Architecture	51,250.13	25,625.00		25,625.00
96	College of Arts & Sciences/Undergrad Ed	47,909.84	23,955.00		23,955.00
13	Shidler College of Business	31,300.20	15,650.00		15,650.00
15	UH Cancer Center	4,612,656.30	2,306,328.00		2,306,328.00
18 / 76	Outreach College	(4,908.63)	(2,454.00)		(2,454.00)
21	College of Education	1,477,942.62	738,971.00		738,971.00
26	College of Engineering	735,260.34	367,630.00		367,630.00
44	Institute for Astronomy	3,129,366.06	1,564,683.00		1,564,683.00
49	College of Arts, Languages & Letters	464,130.41	232,065.00	(2,339.00)	229,726.00
50	School of Law	89,643.42	44,822.00		44,822.00
52	Library Services		0.00		0.00
54	Lyon Arboretum	63,995.77	31,998.00		31,998.00
55	School of Medicine	5,584,407.18	2,792,204.00		2,792,204.00
57	College of Natural Sciences	4,041,932.10	2,020,966.00		2,020,966.00
58	School of Nursing	18,975.47	9,488.00		9,488.00
59	SOEST	9,665,239.63	4,832,620.00		4,832,620.00
67	College of Social Sciences	2,014,198.12	1,007,099.00		1,007,099.00
68	School of Social Work	2,133,238.33	1,066,619.00		1,066,619.00
72, 75, 79	Office of Student Affairs	233,379.04	116,690.00		116,690.00
05, 81	CTAHR	1,823,921.71	911,961.00		911,961.00
88	Waikiki Aquarium		0.00		0.00
27, 89	Water Resources Res. Cntr.	89,969.05	44,985.00		44,985.00
73	School of Hawaiian Knowledge	86,665.80	43,333.00		43,333.00
16	VPRS	316,833.37	158,417.00		158,417.00
	TOTAL Mānoa	36,707,306.26	18,353,655.00	(2,339.00)	18,351,316.00

VPRS-RTRF Commitments at Mānoa for FY-22

PURPOSE	TOTAL
Seminar	7,000.00
Cost Share	225,000.00
Sinclair Library - Bond	294,623.60
Research Support	363,403.92
Facilities - Equipment - Utilities	1,025,000.00
CMORE - Hale - Bond	1,356,129.92
Start-Up	1,401,500.00
GRAND TOTAL	4,672,657.44

**As of June 30, 2022
By Category**

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



Summary of VPRS – RTRF Commitments to the Units

Department	Amount
ASA	2,000.00
IFA	10,000.00
WRRC	78,875.00
GSO	111,075.00
VPRS	205,953.92
Engineering	276,500.00
Nat Sci	370,000.00
SOEST	967,500.00
Facilities	1,000,000.00
VPRS - Bond	1,650,753.52
GRAND TOTAL	4,672,657.44

- VPRS – \$205,953.92 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 \$1,356,129.92 is the repayment of revenue bond interest for CMORE-Hale (this is year 11 of a 30 year commitment).
- VPRS Bond - Sinclair \$294,623.60 is the repayment – of revenue bond interest for Sinclair Library (this is year 10 of a 30 year commitment).

RTRF Commitments (As of June 30, 2022)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
ASA	Humanities, Social Sciences & Arts	Seminar	Navigating tough conv in Stats collab wkshp	Fan, Victoria	2,000.00
ENGR	Science & Engineering	Research Support	DURIP	Ma, David	7,500.00
ENGR	Science & Engineering	Cost Share	CSET/UTC	Morioka, Brennon	25,000.00
ENGR	Science & Engineering	Start Up	Igor Molybog Start Up	Molybog, Igor	52,334.00
ENGR	Science & Engineering	Start Up	P. Scmitt Start Up	Schmitt, Paul	58,333.00
ENGR	Science & Engineering	Start Up	Chrisy Du Start Up	Du, Chrisy	33,333.00
ENGR	Science & Engineering	Start Up	Amin Rafiei Start Up	Rafiei, Amin	50,000.00
ENGR	Science & Engineering	Start Up	Zhiyue Want Start Up	Wang, Zhiyue	50,000.00
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	Research Support	Peter Onaka Retention	Meech, Karen	10,000.00
Nat Sci	Science & Engineering	Start Up	Philip von Doetinchem's Moore Foundation	vonDoetinchem, Philip	100,000.00
Nat Sci	Science & Engineering	Start Up	Date Science Hire - Washington	Washington, Peter	80,000.00
Nat Sci	Science & Engineering	Start Up	Data Science Hire - Peruma	Peruma Anthony	80,000.00
Nat Sci	Science & Engineering	Start Up	Chuang Xu Start Up	Xu, Chuang	30,000.00
Nat Sci	Science & Engineering	Start Up	M. Becker Start Up	Becker, Martin	80,000.00
SOEST	Science & Engineering	Cost Share	COBRE I (Integrative Center for Precision Nutrition and Human Health)	Berry, Marla	100,000.00
SOEST	Science & Engineering	Start Up	HIMB Gates Chair	Sterling, Eleanor	100,000.00
SOEST	Science & Engineering	Start Up	PBRC Dunlap	Cully, Alex	100,000.00
SOEST	Science & Engineering	Start Up	HNEI (Masutani)		100,000.00
SOEST	Science & Engineering	Start Up	Haunani Kane Start Up	Kane, Haunani	100,000.00
SOEST	Science & Engineering	Start Up	PBRC McFall-Ngai Replacement	Graf, Joerg	100,000.00
SOEST	Science & Engineering	Start Up	HIGP		100,000.00
SOEST	Science & Engineering	Start Up	HIGP		100,000.00
SOEST	Science & Engineering	Start Up	Oceanography		100,000.00
SOEST	Science & Engineering	Seminar	NSf GeoPRISMS	Janiszewski, Helen	5,000.00
SOEST	Science & Engineering	Start Up	Kawika Winter Start Up	Winter, Kawika	62,500.00
VPRS	Science & Engineering	Research Support	Undergraduate Research Initiative	Litton, Creighton	20,953.92
VPRS	Science & Engineering	Research Support	UROF Support	Kameoka, Velma	125,000.00
VPRS	Science & Engineering	Research Support	Makai Pier Support	Kameoka, Velma	35,000.00
VPRS	Science & Engineering	Infrastructure	Makai Pier Support	Sabine, Christopher	25,000.00
VPRS	Science & Engineering	Infrastructure	CMORE Revenue Bond Payment	Sabine, Christopher	1,356,129.92
VPRS	Science & Engineering	Infrastructure	Sinclair Revenue Bond Payment	Sabine, Christopher	294,623.60
WRRC	Science & Engineering	Research Support	Director Support	Kameoka, Velma	53,875.00
WRRC	Science & Engineering	Start Up	Aurora Ke'alohilani Kagawa-Viviani Start Up	Kagawa-Viviani. Aurora	25,000.00

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-22, Mānoa generated \$45,692,519.28.
- The return to Mānoa in FY-23 is \$34,231,308 that will be distributed campus wide.

How will these funds be distributed and utilized?

- For FY-23, the same formula will be used.
- At least 2/3 of the Mānoa allocation will be distributed to the units generating the overhead revenue.
- Up to 1/3 will be kept at Mānoa for research support (e.g. start-up, infrastructure, cost sharing, etc.)