

# RTRF Report FY 2021

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Velma Kameoka  
Interim Vice Provost for Research and Scholarship

# Preamble

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The University of Hawai'i at Mānoa continues to maintain vibrant and active research programs with over \$300 million in new extramural funds in FY-21. 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-20 the recovered F&A generated by our faculty was \$42,860,754.39, of which \$4,554,986.43 was adjusted for Systemwide support resulting in an adjusted allocation of \$38,305,767.96. 25% of this total was kept at the level of the UH System (\$9,507,483.96) and 75% returned to Mānoa (\$28,798,284). 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 Chancellor for Research for research/scholarship support (e.g. start-up, infrastructure, cost sharing, etc.).

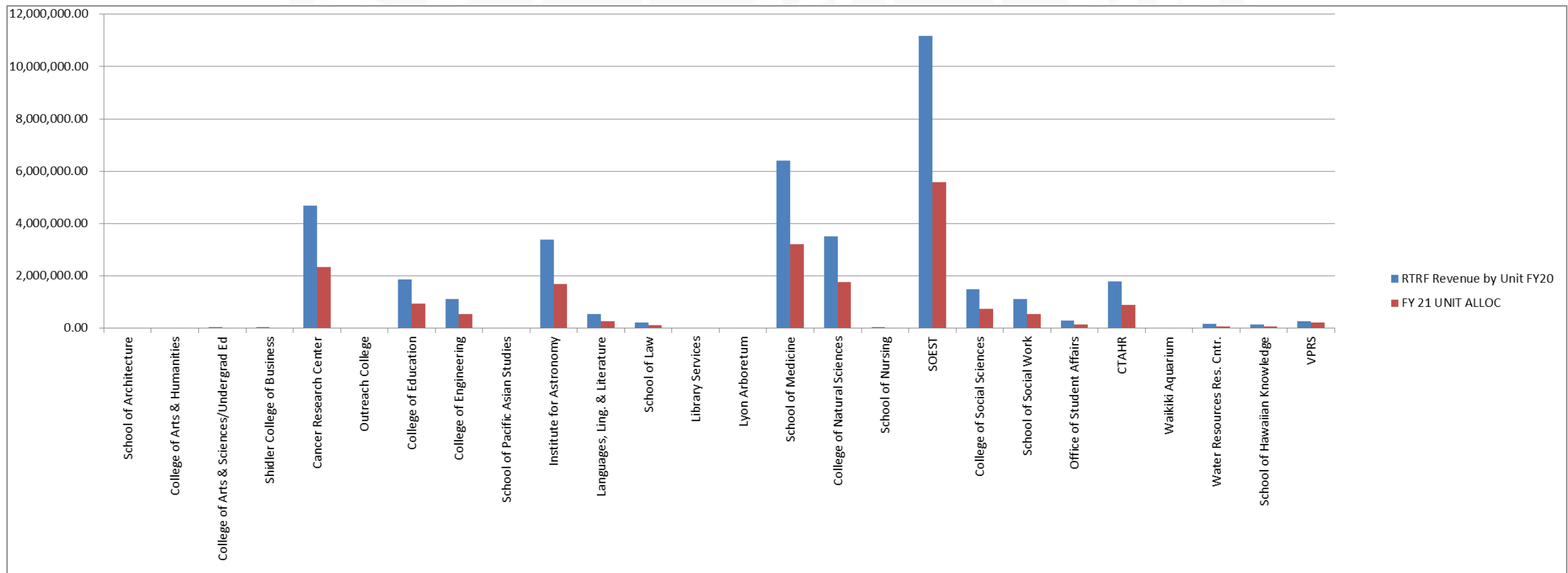
Detailed on the following pages is a summary report for RTRF expenditures for FY-21. The format for this report is as requested by the Senate Executive Committee.

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# How much RTRF is returned to Mānoa each year?

	FY 2013		FY 2014		FY 2015		FY 2016		FY 2017		FY 2018		FY 2019		FY 2020		FY 2021	
	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
Mānoa's Overhead Generated in prior FY		42,185,211.00		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
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)
Internet Connections														(671,894.00)				
RTRF Difference Adjustment												(701,579.26)		339,908.18		1,459,343.92		(824,036.43)
Adjusted RTRF Base												37,308,700.98		38,970,831.95		42,207,157.74		38,305,767.96
<b>System</b>	<b>24%</b>	<b>10,254,848.00</b>	<b>25%</b>	<b>10,189,182.67</b>	<b>25%</b>	<b>9,706,336.00</b>	<b>28%</b>	<b>11,113,812.00</b>	<b>28%</b>	<b>9,727,020.00</b>	<b>25%</b>	<b>9,261,553.00</b>	<b>25%</b>	<b>9,631,047.95</b>	<b>25%</b>	<b>10,428,694.74</b>	<b>25%</b>	<b>9,507,483.96</b>
Mānoa	76%	31,930,363.00	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
<b>TOTAL</b>	<b>100%</b>	<b>42,185,211.00</b>	<b>100%</b>	<b>40,756,730.67</b>	<b>100%</b>	<b>38,825,342.00</b>	<b>100%</b>	<b>39,126,520.00</b>	<b>100%</b>	<b>39,296,271.00</b>	<b>100%</b>	<b>37,308,701.00</b>	<b>100%</b>	<b>38,970,831.95</b>	<b>100%</b>	<b>42,207,157.74</b>	<b>100%</b>	<b>38,305,767.96</b>
Manoa's Allocation		31,930,363.00		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
Directly Returned to Units	66%	21,092,606.00	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
Retained for Distribution by the OVPRS		10,837,757.00		10,189,181.00		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

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



# RTRF Revenue/Allocation

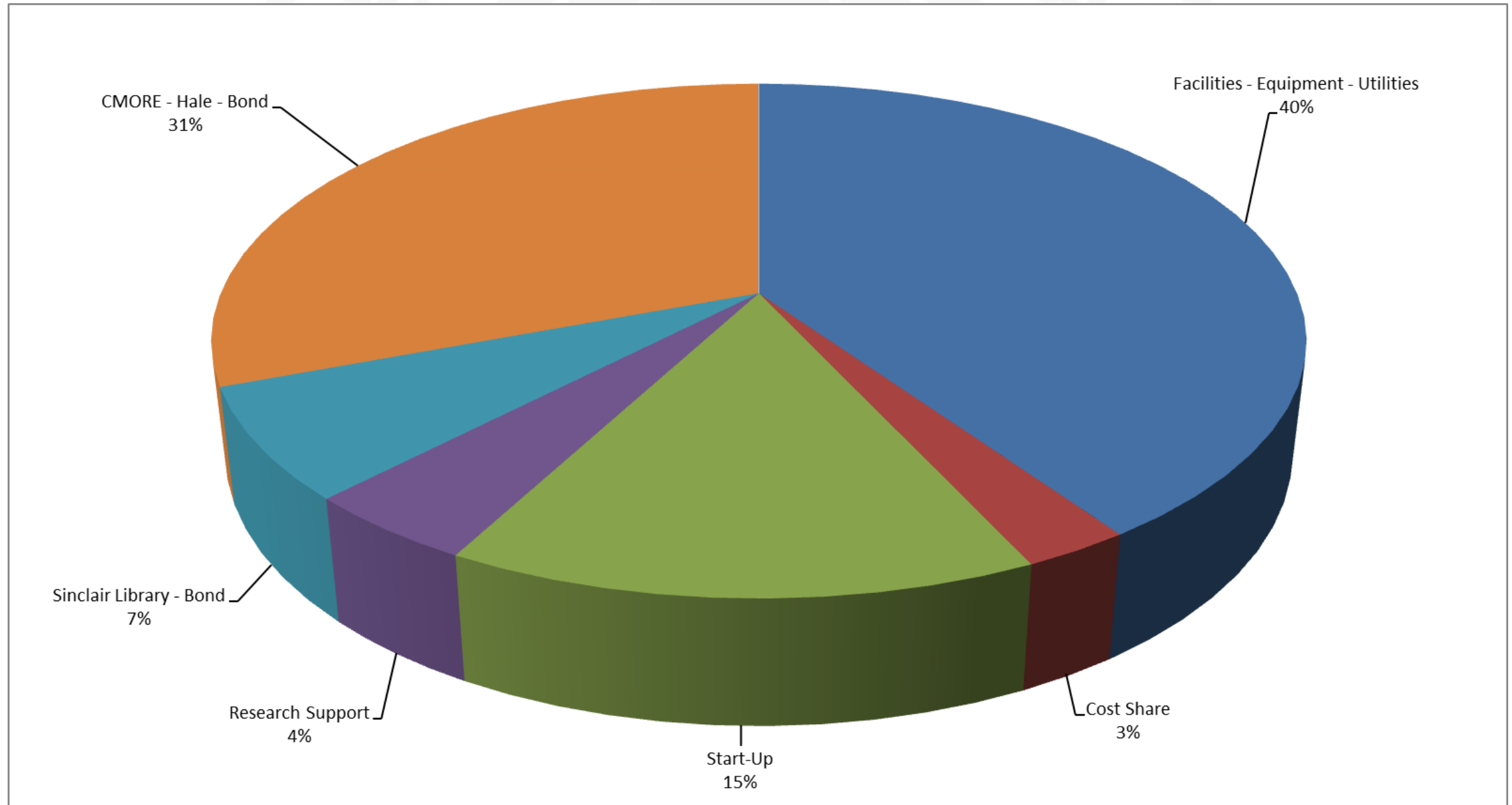
School Code	UNIT	RTRF Revenue by Unit FY20	FY 21 UNIT ALLOC	Return of RTRF (Negative Allocations from Previous Years)	Final FY21 UNIT ALLOCATION
7	School of Architecture	15,496.51	7,748.00		7,748.00
8	College of Arts & Humanities	7,894.97	3,947.00		3,947.00
96	College of Arts & Sciences/Undergrad Ed	37,515.08	18,758.00		18,758.00
13	Shidler College of Business	40,974.60	20,487.00	(777.00)	19,710.00
15	Cancer Research Center	4,673,640.23	2,336,820.00		2,336,820.00
18 / 76	Outreach College	9,367.26	4,684.00	(1,446.74)	3,237.00
21	College of Education	1,869,623.28	934,812.00		934,812.00
26	College of Engineering	1,109,454.10	554,727.00		554,727.00
39	School of Pacific Asian Studies	(4,678.72)	(2,339.00)		(2,339.00)
44	Institute for Astronomy	3,377,111.86	1,688,556.00		1,688,556.00
49	Languages, Ling. & Literature	545,946.52	272,973.00		272,973.00
50	School of Law	222,789.46	111,395.00		111,395.00
52	Library Services		0.00		0.00
54	Lyon Arboretum	2,988.11	1,494.00		1,494.00
55	School of Medicine	6,413,887.18	3,206,944.00		3,206,944.00
57	College of Natural Sciences	3,516,085.84	1,758,043.00		1,758,043.00
58	School of Nursing	54,034.33	27,017.00		27,017.00
59	SOEST	11,161,634.18	5,580,817.00		5,580,817.00
67	College of Social Sciences	1,478,309.81	739,155.00		739,155.00
68	School of Social Work	1,106,947.85	553,474.00		553,474.00
72, 75, 79	Office of Student Affairs	299,421.44	149,711.00		149,711.00
80	School of Travel Industry Management		0.00		0.00
05, 81	CTAHR	1,797,104.47	898,552.00		898,552.00
88	Waikiki Aquarium	(927.53)	(464.00)		(464.00)
27, 89	Water Resources Res. Cntr.	161,746.97	80,873.00		80,873.00
73	School of Hawaiian Knowledge	133,557.43	66,779.00		66,779.00
16	VPRS	275,842.73	206,882.05		206,882.05
	<b>TOTAL Mānoa</b>	<b>38,305,767.96</b>	<b>19,221,845.05</b>	<b>(2,223.74)</b>	<b>19,219,621.05</b>

# VPRS-RTRF Commitments at Mānoa for FY-21

<b>PURPOSE</b>	<b>TOTAL</b>
Facilities - Equipment - Utilities	1,781,820.88
Cost Share	119,512.38
Start-Up	650,000.00
Research Support	196,501.00
Sinclair Library - Bond	308,756.39
CMORE - Hale - Bond	1,356,715.35
<b>GRAND TOTAL</b>	<b>4,413,306.00</b>

**As of June 30, 2021  
By Category**

# How were the VPRS-RTRF funds committed in FY-21?



# Summary of VPRS – RTRF Commitments to the Units

Department	Amount
SHK	11,000.00
Nat Sci	42,092.38
GSO	50,000.00
CTAHR	50,000.00
VPRS	133,176.88
WRRC	136,565.00
Engineering	160,000.00
Waikiki Aquarium	500,000.00
SOEST	665,000.00
Facilities	1,000,000.00
VPRS - Bond	1,665,471.74
<b>GRAND TOTAL</b>	<b>4,413,306.00</b>

- VPRS – \$133,176 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 \$1,356,715.35 is the repayment of revenue bond interest for CMORE-Hale (this is year 10 of a 30 year commitment).
- VPRS Bond - Sinclair \$308,756.39 is the repayment – of revenue bond interest for Sinclair Library (this is year 9 of a 30 year commitment).



# RTRF Commitments (As of June 30, 2021)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
CTAHR	Science & Engineering	Start Up	Parker Trauernicht Start Up	Trauernicht, Parker Clay	50,000.00
ENGR	Infrastructure	Facilities/Equipment	Holmes Cleanroom	Morioka, Brennon	60,000.00
ENGR	Infrastructure	Facilities/Equipment	Shop Upgrades	Morioka, Brennon	75,000.00
ENGR	Infrastructure	Facilities/Equipment	FabLab Renovations	Morioka, Brennon	25,000.00
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
Nat Sci	Science & Engineering	Cost Share	NSF MRI proposal	Williams, Philip	25,822.38
Nat Sci	Science & Engineering	Facilities/Equipment	Decomission and move Mass Specrometer	Jarrett, Joseph	6,930.00
Nat Sci	Science & Engineering	Facilities/Equipment	Mass Spectrometer repair	Williams, Philip	9,340.00
SHK	Humanities, Social Sciences & Arts	Cost Share	Mellon Award Kawelau Wright	Wright, Michelle	11,000.00
SOEST	Science & Engineering	Start Up	Robert Wright Start Up	Wright, Robert	150,000.00
SOEST	Science & Engineering	Start Up	PBRC Director	Berry, Marla	100,000.00
SOEST	Science & Engineering	Start Up	Alison Nugent Start Up	Nugent, Alison	25,000.00
SOEST	Science & Engineering	Start Up	Christina Karamperidou Start Up	Karamperidou, Christina	25,000.00
SOEST	Science & Engineering	Facilities/Equipment	AEC Service Contracts	Ishii, Hope	40,000.00
SOEST	Science & Engineering	Start Up	Eleanor Sterling Start Up	Sterling, Eleanor	300,000.00
SOEST	Science & Engineering	Facilities/Equipment	AEC Service Contracts	Ishii, Hope	25,000.00
VPRS	Bond	Facilities/Equipment	CMORE Revenue Bond Payment		1,356,715.35
VPRS	Bond	Facilities/Equipment	Sinclair Revenue Bond Payment		308,756.39
VPRS	Science & Engineering	Research Support	Undergraduate Research Initiative	Litton, Creighton	50,258.00
VPRS	Infrastructure	Facilities/Equipment	Coconut Island Facility R&M	Kameoka, Velma	550.88
VPRS	Science & Engineering	Research Support	Undergraduate Research Office	Litton, Creighton	2,821.00
VPRS	Science & Engineering	Research Support	VCR Operating Account	Kameoka, Velma	34,000.00
VPRS	Science & Engineering	Research Support	UROP Operating Account	Kameoka, Velma	5,547.00
VPRS	Infrastructure	Facilities/Equipment	Makai Pier Support	Kameoka, Velma	40,000.00
WA	Infrastructure	Facilities/Equipment	Aquarium Support	Rossiter, Andrew	500,000.00
WRRC	Science & Engineering	Research Support	Director Support	Kameoka, Velma	53,875.00
WRRC	Science & Engineering	Cost Share	NSF MRI proposal	Giambelluca, Thomas	82,690.00

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

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- 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?

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- 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?

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- In FY-21, Mānoa generated \$36,707,306.26.
- The return to Mānoa in FY-22 is \$27,621,115 that will be distributed campuswide.

# How will these funds be distributed and utilized this year?

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- For FY-22, 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.)