

# RTRF Report FY 2019

---

Velma Kameoka  
Interim Vice Chancellor for Research



# Preamble

---

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-20. The focus of the Office of the Vice Chancellor for Research 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-18 our faculty generated \$41,376,567.77 in indirect costs, of which \$2,405,735.82 was adjusted for Systemwide support resulting in an adjusted allocation of \$38,970,831.95, most of which was largely expended this past fiscal year ending June 30, 2019. 25% of this total was kept at the level of the UH System (\$9,631,047.95) and 75% returned to Mānoa (\$29,339,784). 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.).

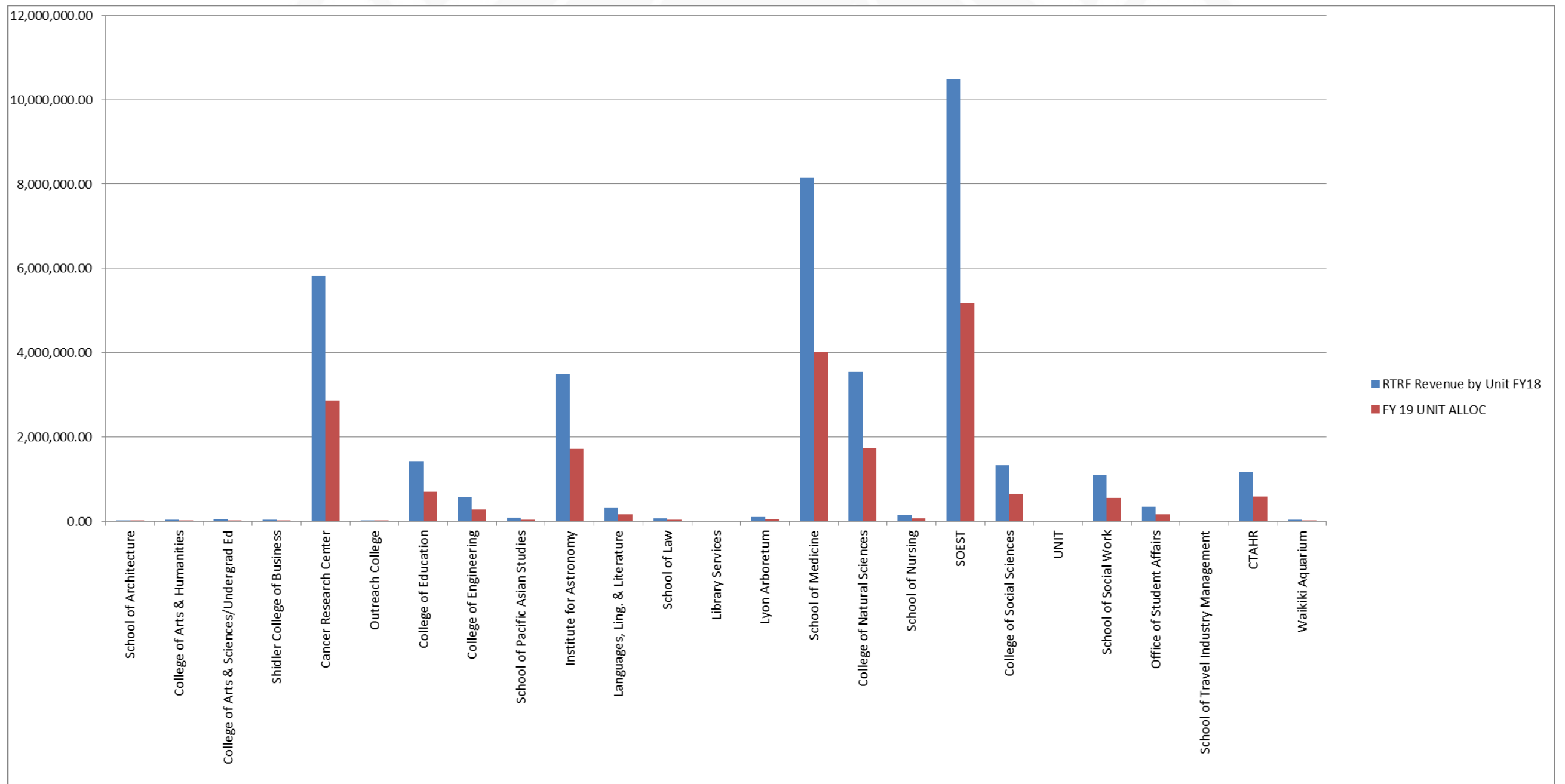
Detailed on the following pages is a summary report for RTRF expenditures for FY-19. The format for this report is as requested by the Senate Executive Committee.

Velma Kameoka  
Interim Vice Chancellor for Research

# How much RTRF is returned to Mānoa each year?

	FY 2013		FY 2014		FY 2015		FY 2016		FY 2017		FY 2018		FY 2019	
	%	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
Maunakea Related Programs (Risk Management Fund)												(2,498,700.00)		(2,073,750.00)
Internet Connections														(671,894.00)
RTRF Difference Adjustment												(701,579.26)		339,908.18
Adjusted RTRF Base												37,308,700.98		38,970,831.95
System	24%	10,254,848.00	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
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
<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>
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
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
Retained for Distribution by the Mānoa Chancellor's Office		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

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



# RTRF Revenue/Allocation

School Code	UNIT	RTRF Revenue by Unit FY-18	FY-19 UNIT ALLOCATION	Final FY-19 UNIT ALLOCATION
07	School of Architecture	5,464.42	2,732	2,732
08	College of Arts & Humanities	31,882.97	15,941	15,941
96	College of Arts & Sciences/Undergrad Ed	41,139.23	20,570	20,570
13	Shidler College of Business	30,431.96	15,216	15,216
15	Cancer Research Center	5,814,082.17	2,907,041	2,907,041
18 / 76	Outreach College	4,641.22	2,321	2,321
20, 21	College of Education/Center on Disability Studies	1,418,612.98	709,306	709,306
26	College of Engineering	559,979.24	279,990	279,990
39	School of Pacific Asian Studies	76,619.28	38,310	38,310
44	Institute for Astronomy	3,490,681.87	1,745,341	1,745,341
49	Languages, Ling. & Literature	317,704.44	158,852	158,852
50	School of Law	65,288.33	32,644	32,644
55	Lyon Arboretum	96,775.71	48,388	48,388
57	School of Medicine	8,140,064.37	4,070,032	4,070,032
58	College of Natural Sciences	3,533,243.44	1,766,622	1,766,622
59	School of Nursing	139,249.15	69,625	69,625
66, 67	SOEST	10,489,890.22	5,244,945	5,244,945
68	College of Social Sciences	1,330,426.42	665,213	665,213

# RTRF Revenue/Allocation (cont.)

School Code	UNIT	RTRF Revenue by Unit FY-18	FY-19 UNIT ALLOCATION	Final FY-19 UNIT ALLOCATION
72, 75, 79	School of Social Work/Public Health Sciences	1,106,197.26	553,099.00	553,099.00
05, 81	Office of Student Affairs	341,212.88	170,606.00	170,606.00
27, 89	CTAHR	1,168,100.80	584,050.00	584,050.00
73	Waikiki Aquarium	25,595.43	12,798.00	12,798.00
16	Water Resources Res. Cntr.	139,951.77	69,976.00	69,976.00
	School of Hawaiian Knowledge	(1,718.00)	0.00	0.00
	VCR	606,263.98	303,132.00	303,132.00
	<b>TOTAL Mānoa</b>	<b>38,971,781.54</b>	<b>19,486,749.77</b>	<b>19,486,749.77</b>



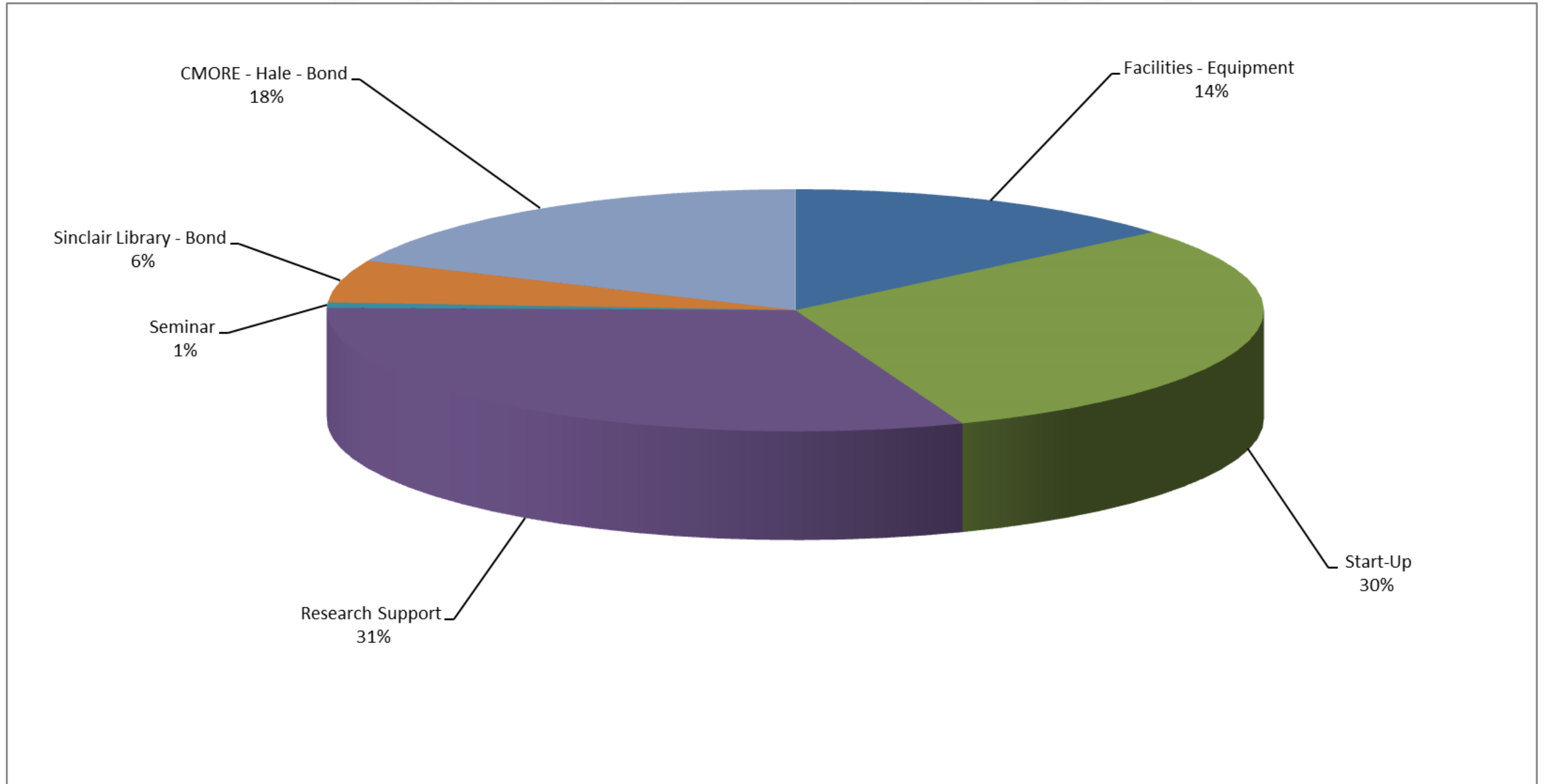
# VCR-RTRF Commitments at Mānoa for FY-19

---

<b>PURPOSE</b>	<b>TOTAL</b>
Facilities - Equipment	1,041,036.06
Start-Up	2,285,195.00
Research Support	2,339,639.20
Seminar	55,500.00
Sinclair Library - Bond	426,756.31
CMORE - Hale - Bond	1,377,530.47
<b>GRAND TOTAL</b>	<b>7,525,657.04</b>

**As of June 30, 2019  
By Category**

# How were the VCR-RTRF funds committed in FY-19?





# Summary of VCR – RTRF Commitments to the Units

Department	Amount
COE	1,000.00
OS	1,000.00
OVCAA	2,000.00
LAW	8,000.00
UHCC	25,000.00
SPAS	28,525.00
Aquarium	32,276.06
MCO	37,000.00
Public Health	40,000.00
GSO	50,000.00
CTAHR	55,223.00
HSHK	56,310.00
LLL	120,000.00
JABSOM	286,567.20
Engineering	300,000.00
Soc Sci	308,760.00
SOEST	375,000.00
IFA	525,000.00
VCR	776,235.00
Facilities	1,000,000.00
Nat Sci	1,693,474.00
VCR - Bond	1,804,286.78
<b>GRAND TOTAL</b>	<b>7,525,657.04</b>

- VCR – \$776,235 is the amount of support for campus wide services such as Faculty Research Travel, Environmental, Health and Safety support, and Undergraduate Research Initiatives

- VCR Bond - CMORE \$1,377,530.47 is the repayment of revenue bond interest for CMORE-Hale (this is year 8 of a 30 year commitment).

- VCR Bond - Sinclair \$426,756.31 is the repayment –of revenue bond interest for Sinclair Library (this is year 7 of a 30 year commitment).

# RTRF Commitments (As of June 30, 2019)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Chanc	Humanities, Social Science	Research Support	Papaku Makwalu Research	Lipe, Kaiwipuni	2,000.00
Chanc	Humanities, Social Sciences	Research Support	IHLRT - Position	Lipe, Kaiwipuni	35,000.00
COE	Humanities, Social Sciences	Research Support	CI3T Support	Royer, David	1,000.00
CTAHR	Science & Engineering	Research Support	Undergraduate Research Initiative	Litton, Creighton	55,223.00
ENGR	Science & Engineering	Start Up	Hyoungsu Park Start Up	Park, Hyoungsu	62,500.00
ENGR	Science & Engineering	Start Up	Il Yong Chun Start Up	Chun, Il	62,500.00
ENGR	Science & Engineering	Start Up	Xuetao Wei Start Up	Wei, Xuetao	62,500.00
ENGR	Science & Engineering	Start Up	Roger Chen Start Up	Chen, Roger	62,500.00
ENGR	Science & Engineering	Start Up	Eunji Jun Start Up	Jun, Eun ji	50,000.00
Facilities	Infrastructure	Facilities/Equipment	Utilities	Yamada, Gale	1,000,000.00
GSO	Humanities, Social Sciences	Research Support	GSO Support	Ideta, Lori	50,000.00
IFA	Science & Engineering	Start Up	Michael Bottom Start Up	Bottom, Michael	200,000.00
IFA	Science & Engineering	Research Support	Mark Chun Retention	Chun, Mark	150,000.00
IFA	Science & Engineering	Start Up	Baxter Start Up	Baxter, Eric	175,000.00
JABSOM	Science & Engineering	Research Support	HJMPH journal	Hedges, Jerris	20,000.00
JABSOM	Science & Engineering	Research Support	Autoclave Service Agreement	Gerschenson, Mariana	8,543.20
JABSOM	Science & Engineering	Research Support	MHRT Program Coordinator Support	Kaholokula, Joseph	258,024.00
Law	Humanities, Social Sciences	Start-Up	Dean	Soifer	8,000.00
LLL	Humanities, Social Science	Research Support	Language Flagship Technology Innovati	Rodriguez, Julio	120,000.00
Lyon/Nat Sci	Science & Engineering	Start Up	Anna Sugiyama Start Up	Sugiyama, Anna	108,535.00
Nat Sci	Science & Engineering	Research Support	HHMI SEA-PHAGES	Reed, Floyd	25,000.00
Nat Sci	Science & Engineering	Research Support	Centrifuge Repair	Helminck, Aloysius	45,000.00
Nat Sci	Science & Engineering	Seminar	Hydrogen-Metal Gordon Seminar	Sartain, Hope	2,000.00
Nat Sci	Science & Engineering	Research Support	East China Normal MOU	Kaiser, Ralf	275,000.00
Nat Sci	Science & Engineering	Seminar	40th Anniversary Celebration of US-Japa	Lam, Ui	2,500.00
Nat Sci	Science & Engineering	Start Up	David Rubin Start Up	Rubin, David	158,500.00
Nat Sci	Science & Engineering	Research Support	IPBES Travel	Ticktin, Tamara	1,479.00
Nat Sci	Science & Engineering	Start Up	Mahdi Belcaid Start Up	Belcaid, Mahdi	25,000.00
Nat Sci	Science & Engineering	Start Up	Christopher Gaulke Start Up	Gaulke, Christopher	250,000.00
Nat Sci	Science & Engineering	Research Support	D. Drake (VCR)	Drake, Donald	300
Nat Sci	Science & Engineering	Start Up	Duncan Farrah Start Up (FY18)	Farrah, Duncan	25,000.00
Nat Sci	Science & Engineering	Start Up	Ellinor Haglund Start Up (FY18)	Haglund, Ellinor	250,000.00

# RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Nat Sci	Science & Engineering	Start Up	Karolina Heyduk Start Up	Heyduk, Karolina	190,000.00
Nat Sci	Science & Engineering	Start Up	Yash Lodha Start Up	Lodha, Lash	90,000.00
Nat Sci	Science & Engineering	Start Up	Jeremy Sakstein Start Up	Sakstein, Jeremy	150,000.00
Nat Sci	Science & Engineering	Start Up	Shaya Honarvar Start Up	Honarvar, Shaya	80,160.00
Nat Sci	Science & Engineering	Start Up	Amy Fuller Start Up	Fuller, Amy	10,000.00
Nat Sci	Science & Engineering	Research Support	Travel Support P. Von Doetinchem	von Doetinchem, Philip	5,000.00
OS	Humanities, Social Sciences	Seminar	RTRF-SOOS CCCI	Lynch, Matthew	1,000.00
OVCAA	Humanities, Social	Research Support	Manoa Horizons	Gonzalez, Vernadette	2,000.00
PH	Science & Engineering	Research Support	HJMPH journal	Gerschenson, Mariana	40,000.00
SHK	Humanities, Social Science	Research Support	IHLRT - EPSCOR Hire	Osorio, Jonathan	46,310.00
SHK	Humanities, Social Sciences	Research Support	UN PFII	Lilikala	10,000.00
Soc Sci	Science & Engineering	Research Support	Michael Roberts Retention	Roberts, Michael	35,000.00
Soc Sci	Humanities, Social Science	Start Up	Patrick Kirch Start Up	Kirch, Patrick	265,000.00
Soc Sci	Science & Engineering	Infrastructure	Biomed Jonas Lab space reno	Vibell, Jonas	8,760.00
SOEST	Science & Engineering	Research Support	Steven Stanley Support	Stanley, Steven	95,000.00
SOEST	Science & Engineering	Research Support	FIB and TEM	Ishii, Hope	50,000.00
SOEST	Science & Engineering	Research Support	FIB and TEM	Ishii, Hope	75,000.00
SOEST	Science & Engineering	Research Support	KOK Scrapping Project	Taylor, Brian	150,000.00
SOEST	Science & Engineering	Research Support	Defractometer	Dera, Przemyslaw	5,000.00
SPAS	Humanities, Social Sciences	Research Support	GA Support for Luce Foundation	Sutton, R	28,525.00
UHCC	Science & Engineering	Research Support	Neal Palafox	Palafox, Neal	25,000.00
VCR	Infrastructure	Bond	CMORE Revenue Bond Payment		1,377,530.47
VCR	Infrastructure	Bond	Sinclair Revenue Bond Payment		426,756.31
VCR	Science & Engineering	Research Support	Faculty Travel	Kameoka, Velma	350,000.00
VCR	Science & Engineering	Infrastructure	Makai Pier	Bruno, Michael	40,000.00
VCR	Science & Engineering	Research Support	UROP	Litton, Creighton	29,235.00
VCR	Infrastructure	Infrastructure	EHSO Operating	Kennedy, Emma	125,000.00
VCR	Infrastructure	Research Support	UROP	Litton, Creighton	180,000.00
VCR	Science & Engineering	Seminar	SACNAS Sponsorship	Straney, Don	50,000.00
VCR	Science & Engineering	Seminar	American Statistical Assoc	Tom, Tammy	2,000.00
WA	Science & Engineering	Infrastructure	Air Handler Unit	Rossiter, Andy	32,276.06

# 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 VCR.

# 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 VCR 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-19, Mānoa generated \$42,207,157.74.
- The return to Mānoa in FY-20 is \$31,778,463 that will be distributed campuswide.

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

---

- For FY-19, 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.)