

# RTRF Report FY 2020

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Velma Kameoka  
Interim Vice Chancellor for Research



UNIVERSITY  
of HAWAII®  
MĀNOA

Office of the Vice Chancellor for Research  
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# Preamble

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The University of Hawai'i at Mānoa continues to maintain vibrant and active research programs with \$338 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-19 our faculty generated \$43,684,790.82 in indirect costs, of which \$1,477,633.08 was adjusted for System-wide support resulting in an adjusted allocation of \$42,207,157.74. 25% of this total was kept at the level of the UH System (\$10,428,694.74) and 75% returned to Mānoa (\$31,778,463). Of Mānoa's adjusted allocation, 50% 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.).

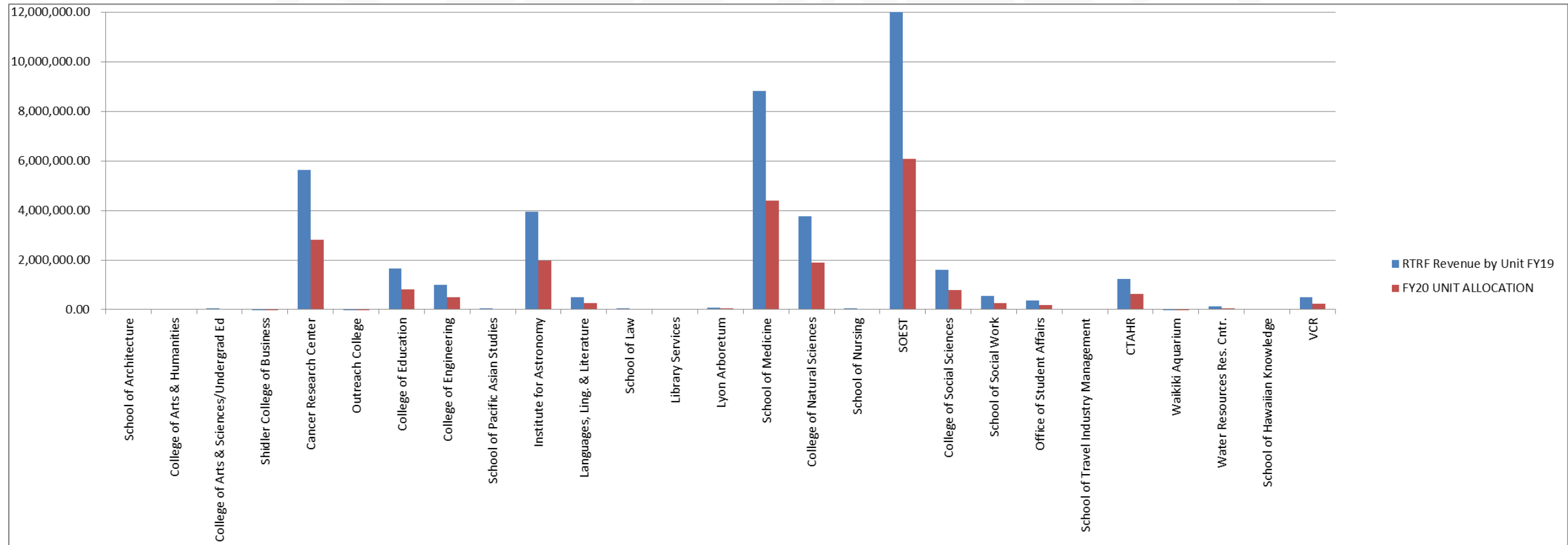
Detailed on the following pages is a summary report for RTRF expenditures for FY-20. The format for this report is as requested by the Senate Executive Committee.

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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	
	%	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
Maunakea Related Programs (Risk Management Fund)												(2,498,700.00)		(2,073,750.00)		(2,936,977.00)
Internet Connections														(671,894.00)		
RTRF Difference Adjustment												(701,579.26)		339,908.18		1,459,343.92
Adjusted RTRF Base												37,308,700.98		38,970,831.95		42,207,157.74
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	25%	10,428,694.74
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
<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>
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
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
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		7,129,560.20

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



# RTRF Revenue/Allocation

School Code	UNIT	RTRF Revenue by Unit	
		FY19	FY 20 UNIT ALLOC
7	School of Architecture	5,901.08	2,951
8	College of Arts & Humanities	33,354.29	16,677
96	College of Arts & Sciences/Undergrad Ed	48,858.51	24,429
13	Shidler College of Business	(1,554.34)	(777)
15	Cancer Research Center	5,626,527.59	2,813,264
18 / 76	Outreach College	(2,893.47)	(1,447)
21	College of Education	1,650,558.16	825,279
26	College of Engineering	993,951.43	496,976
39	School of Pacific Asian Studies	46,941.01	23,471
44	Institute for Astronomy	3,942,195.82	1,971,098
49	Languages, Ling. & Literature	510,571.51	255,286
50	School of Law	42,476.86	21,238
54	Lyon Arboretum	82,302.46	41,151
55	School of Medicine	8,818,931.80	4,409,466
57	College of Natural Sciences	3,774,906.04	1,887,453
58	School of Nursing	60,552.65	30,276
59	SOEST	12,195,433.19	6,097,717
67	College of Social Sciences	1,595,864.65	797,932

# RTRF Revenue/Allocation (cont.)

School Code	UNIT	RTRF Revenue by Unit	
		FY19	FY 20 UNIT ALLOC
68	School of Social Work	545,996.15	272,998
72,75,79	Office of Student Affairs	363,937.35	181,969
5,81	CTAHR	1,245,777.40	622,889
88	Waikiki Aquarium	(12,036.39)	(6,018)
27,89	Water Resources Res. Cntr.	117,557.28	58,779
73	School of Hawaiian Knowledge	32,152.27	16,076
16	VCR	488,894.45	244,447
	<b>TOTAL Mānoa</b>	<b>42,207,157.74</b>	<b>21,103,580.00</b>

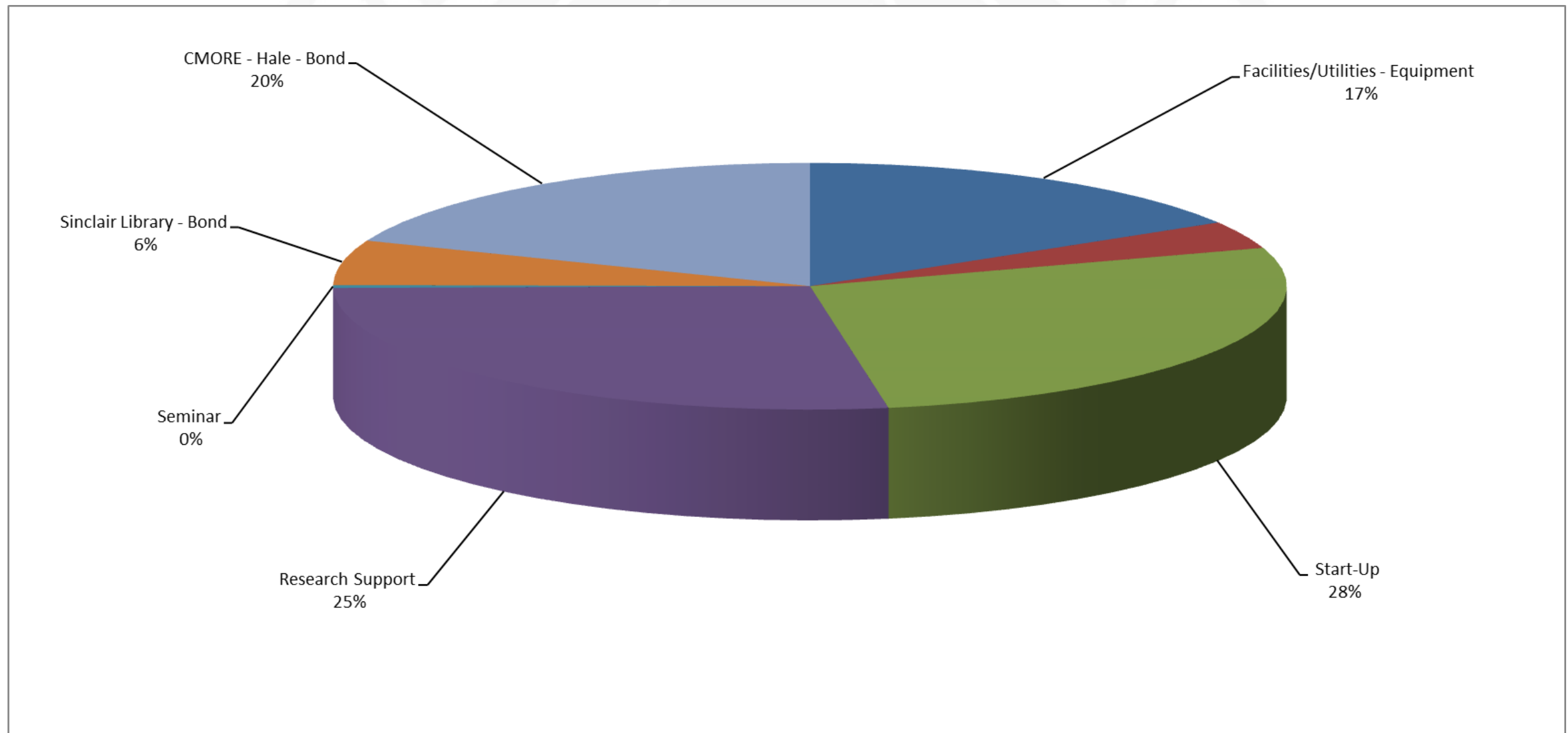
# VCR-RTRF Commitments at Mānoa for FY-20

PURPOSE	TOTAL
Facilities - Equipment - Utilities	1,185,625.43
Cost Share	260,938.00
Start-Up	1,984,000.00
Research Support	1,984,602.14
Seminar	25,654.34
Sinclair Library - Bond	426,252.87
CMORE - Hale - Bond	1,375,172.14
<b>GRAND TOTAL</b>	<b>7,242,244.92</b>

**As of June 30, 2020  
By Category**



# How were the VCR-RTRF funds committed in FY-20?





# Summary of VCR – RTRF Commitments to the Units

Department	Amount
A&H	1,750.00
ASA	2,000.00
OVCAA	4,500.00
Social Work	9,856.92
SPAS	85,152.00
GSO	107,940.00
LLL	125,000.00
Soc Sci	146,580.00
IFA	200,000.00
Engineering	224,813.43
CTAHR	240,000.00
UHCC	250,000.00
WRRC	267,283.00
JABSOM	302,221.22
Nat Sci	468,223.34
VCR	470,000.00
Facilities	1,000,000.00
SOEST	1,535,500.00
VCR - Bond	1,801,425.01
<b>GRAND TOTAL</b>	<b>7,242,244.92</b>

- VCR – \$470,000 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 \$1,375,172.14 is the repayment of revenue bond interest for CMORE-Hale (this is year 9 of a 30 year commitment).

- VCR Bond - Sinclair \$426,252.87 is the repayment –of revenue bond interest for Sinclair Library (this is year 8 of a 30 year commitment).

# RTRF Commitments

## (As of June 30, 2020)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
ASA	Science & Engineering	Seminar	American Statistical Assoc	Kameoka, Velma	2,000.00
CA&H	Humanities, Social Science & Arts	Cost Share	UH Bands Symphony of Hawaiian Birds in Seat	Boekman, Jeffrey	1,750.00
CTAHR	Science & Engineering	Start Up	M. Lee Start Up	Lee, Mi-jeong	63,000.00
CTAHR	Science & Engineering	Start Up	Tay Start Up	Tay, Jia-Wei	60,000.00
CTAHR	Science & Engineering	Start Up	Charles Nicholson Start Up	Nicholson, Charles	17,000.00
CTAHR	Science & Engineering	Start Up	Yanghai He Start Up	He, Yanghua	50,000.00
CTAHR	Science & Engineering	Start Up	Ikkei Shikano Start Up	Shikano, Ikkei	50,000.00
ENGR	Science & Engineering	Cost Share	Cost Share for MRI: Acquisition of High Speed	Brown, Joesph	116,688.00
ENGR	Science & Engineering	Seminar	NSF SFS scholars	Dong, Yingfei	1,000.00
ENGR	Science & Engineering	Research Support	Tyler Ray Equipment	Ray, Tyler	10,125.43
ENGR	Science & Engineering	Start Up	Rui Zhao Start Up	Zhao, Rui	64,000.00
ENGR	Infrastructure	Facilities/Equipment	Tyler Ray Lab Renovation	Ray, Tyler	33,000.00
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	57,940.00
Honors	Humanities, Social Sciences & Arts	Research Support	Manoa Horizons	Gonzalez, Vernadette	2,000.00
Honors	Humanities, Social Science & Arts	Seminar	American Studies Association Conference sup	Gonzalez, Vernadette	2,500.00
IFA	Science & Engineering	Start Up	Colby Haggerty Start Up	Haggerty Colby	200,000.00
JABSOM	Science & Engineering	Research Support	COBRE III Support	Ward, Steve	210,580.00
JABSOM	Science & Engineering	Cost Share	NIGMS MARC Undergraduate Research train	Nerukar, Vivek	82,500.00
JABSOM	Science & Engineering	Research Support	Autoclave service contract	Gerschenson, Mariana	9,141.22
LLL	Science & Engineering	Research Support	Language Flagship Center	Rodriguez, Julio	5,000.00
LLL	Humanities, Social Sciences & Arts	Research Support	Chinese Flagship Center		120,000.00
Nat Sci	Humanities, Social Sciences & Arts	Seminar	Women in Leadership in Higher Education 20	Bindi, Veronica	5,154.34
Nat Sci	Infrastructure	Facilities	Decommissioning of Douglas Lab	Douglas, James	15,000.00
Nat Sci	Science & Engineering	Research Support	Veronica Bindi Administrative Stipend	Bindi, Veronica	24,000.00
Nat Sci	Science & Engineering	Cost Share	NSF MRI support	Vahsen, Sven	60,000.00
Nat Sci	Science & Engineering	Equipment	UPS System	Jarrett, Joseph	12,500.00
Nat Sci	Science & Engineering	Start Up	Vasu Tewari Start Up	Tewari, Vasu	20,000.00

# RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Nat Sci	Science & Engineering	Start Up	Tingran Gao Start Up	Gao, Tingran	30,000.00
Nat Sci	Science & Engineering	Start Up	Farzana Nasrin Start Up	Nasrin, Farzana	30,000.00
Nat Sci	Science & Engineering	Seminar	2020 Belle II Summer Workshop at UH Manoa	Browder, Thomas	10,000.00
Nat Sci	Science & Engineering	Research Support	MOP Support	Hunter, Cynthia	61,569.00
Soc Sci	Humanities, Social Sciences & Arts	Research Support	Kirch Renovation	Kirch, Patrick	146,580.00
Social Work	Humanities, Social Sciences & Arts	Research Support	Jason Mitchell Support	Mitchell, Jason	9,856.92
SOEST	Science & Engineering	Start Up	Seth Bushinsky Start Up	Bushinsky, Seth	100,000.00
SOEST	Science & Engineering	Start Up	Michael Krieg Start Up	Krieg, Michael	100,000.00
SOEST	Science & Engineering	Start Up	Sloan Coats Start Up	Coats, Sloan	100,000.00
SOEST	Science & Engineering	Start Up	Helen Janisweski Start Up	Janisweski, Helen	100,000.00
SOEST	Science & Engineering	Start Up	Nicholas Hawco Start Up	Hawco, Nicholas	100,000.00
SOEST	Science & Engineering	Start Up	Frances Zhu Start Up	Zhu, Frances	100,000.00
SOEST	Science & Engineering	Start Up	Malte Stuecker Start Up	Stuecker, Malte	100,000.00
SOEST	Science & Engineering	Start Up	Ersegun Deniz Gedili Start Up	Gedili, Ersegun	100,000.00
SOEST	Science & Engineering	Research Support	Kaneohe Bay Bleaching	Madin, Josh	25,000.00
SOEST	Science & Engineering	Research Support	FIB and TEM Support	Ishii, Hope	211,500.00
SOEST	Science & Engineering	Research Support	Equipment Cost Share	Konter, Jasper	89,000.00
SOEST	Science & Engineering	Start Up	Shuai Li Start Up	Li, Shuai	100,000.00
SOEST	Science & Engineering	Start Up	Elena Dobrika Start Up	Dobrika, Elena	100,000.00
SOEST	Science & Engineering	Start Up	Lisa McManus	McManus, Lisa	100,000.00
SOEST	Science & Engineering	Start Up	Ellen Briggs Start Up	Briggs, Ellen	100,000.00
SOEST	Science & Engineering	Research Support	Strategic Investment Competition	Smith-Konter, Bridget	10,000.00
SPAS	Humanities, Social Science & Arts	Research Support	UHM CSEAS	Stark, Miriam	85,152.00
UHCC	Science & Engineering	Research Support	U54 Support	Palafox, Neal	250,000.00
VCR	Science & Engineering	Research Support	Faculty Travel	Kameoka, Velma	350,000.00
VCR	Infrastructure	Facilities	Makai Pier	Kameoka, Velma	40,000.00
VCR	Infrastructure	Facilities	Makai Pier	Kameoka, Velma	75,000.00
VCR	Humanities, Social Science & Arts	Seminar	PRiMO conference	Kameoka, Velma	5,000.00
VCR	Infrastructure	Bond	Sinclair Revenue Bond Payment		426,252.87
VCR	Infrastructure	Bond	CMORE Revenue Bond Payment		1,375,172.14
WRRC	Science & Engineering	Research Support	Climate Date and Moinotring Initiative	Giambelluca, Thomas	213,408.00
WRRC	Science & Engineering	Research Support	Director Support	Giambelluca, Thomas	53,875.00

# 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 for: “(1) Research and training purposes that may result in additional research and training grants and contracts; (2) Facilitating research and training at the university; and (3) Further deposit into the discoveries and inventions special fund.”
- 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?

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

# What funds are projected for this year?

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- In FY-20, Mānoa generated \$38,305,767.96.
- The return to Mānoa in FY-21 is \$28,798,284 that will be distributed campuswide.

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

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For FY-20, the same formula will be used.

- Of Mānoa's adjusted allocation:
  - 50% will be distributed to the units generating the overhead revenue
  - 25% will be kept at Mānoa for research support (e.g. start-up, infrastructure, cost sharing, etc.)