

A decorative graphic featuring a teal circle on the left side. A dark brown bracket is positioned on the left, and a teal bracket is on the right, both framing a horizontal teal bar. The text "RTRF Report FY 2018" is centered within this bar.

RTRF Report FY 2018

Michael Bruno
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 FY18. 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-17 our faculty generated \$40,508,980.24 in indirect costs, of which \$3,200,279.24 was adjusted for Systemwide support resulting in an adjusted allocation of \$37,308,700.98, most of which was largely expended this past fiscal year ending June 30, 2018. 25% of this total was kept at the level of the UH System (\$9,261,422) and 75% returned to Mānoa (\$28,047,148). 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.).

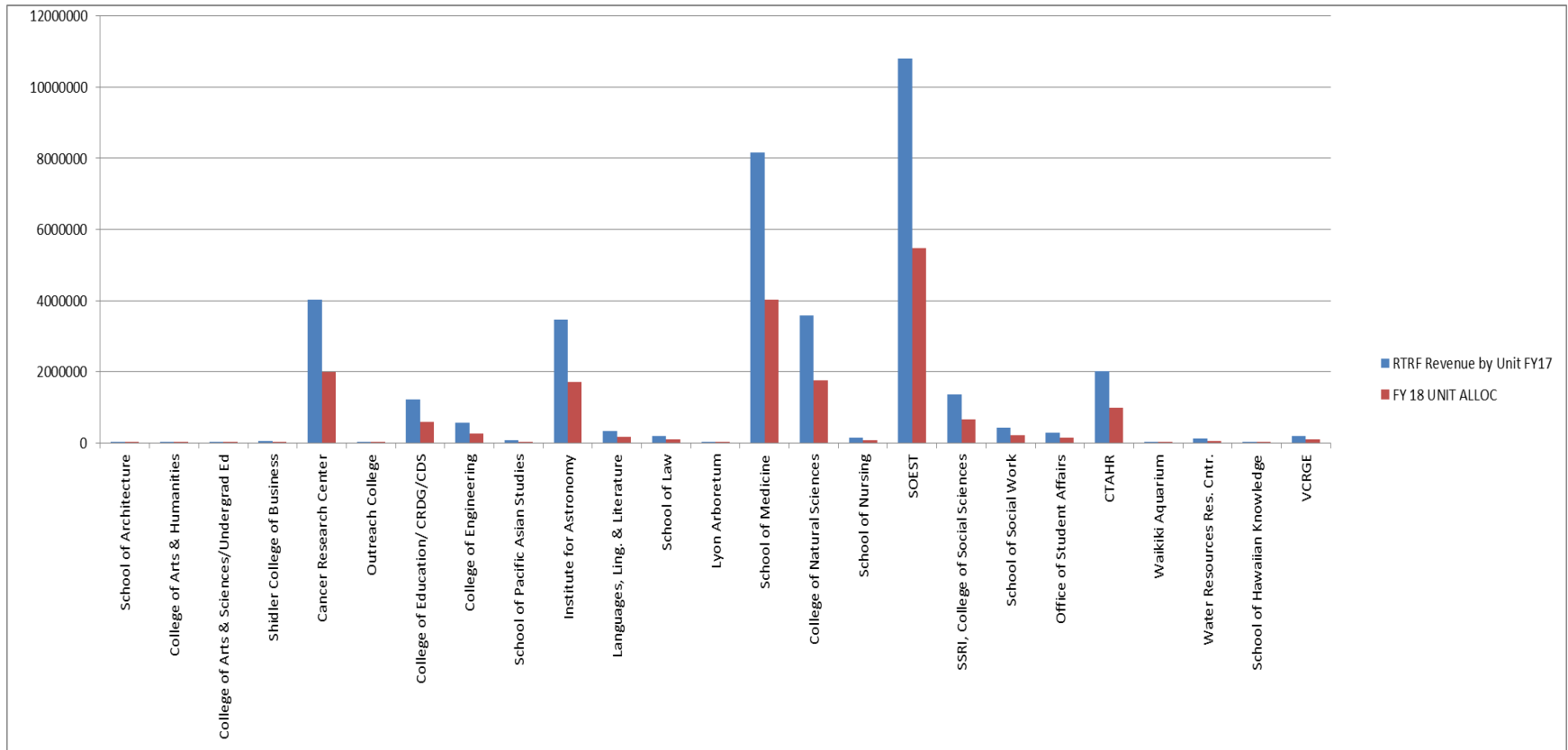
Detailed on the following pages is a summary report for RTRF expenditures for FY-18. The format for this report is as requested by the Senate Executive Committee.

Michael Bruno
Vice Chancellor for Research

How much RTRF is returned to Mānoa each year?

	FY 2012		FY 2013		FY 2014		FY 2015		FY 2016		FY 2017		FY 2018	
	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
Mānoa's Overhead Generated		42,233,298.00		42,185,211.00		40,756,730.67		38,825,342.00		39,126,519.00		39,296,269.81		40,508,980.24
Risk Management Fund														(2,498,700.00)
RTRF Difference Adjustment														(701,579.26)
Adjusted RTRF Base														37,308,700.98
System	29%	12,142,073.00	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
Mānoa	71%	30,091,225.00	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
TOTAL	100%	42,233,298.00	100%	42,185,211.00	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
Manoa's Allocation		30,091,225.00		31,930,363.00		30,567,548.00		29,119,006.00		28,012,708.00		29,569,251.00		28,047,148.00
Directly Returned to Units	70%	21,116,650.00	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
Retained for Distribution by the Mānoa Chancellor's Office		8,974,575.00		10,837,757.00		10,189,181.00		9,706,336.00		9,129,021.00		8,650,086.98		8,889,425.36

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



RTRF Revenue/Allocation (cont.)

UNIT	RTRF Revenue by Unit FY17	FY 18 UNIT ALLOC	Less:	Final FY18 UNIT ALLOCATION
			Adjustment for 1.54% Restriction	
School of Architecture	17,601.34	8,800.67	135.53	8,665.00
College of Arts & Humanities	41,626.33	20,813.17	320.52	20,493.00
College of Arts & Sciences/Undergrad Ed	36,908.20	18,454.10	284.19	18,170.00
Shidler College of Business	56,030.42	28,015.21	431.43	27,584.00
Cancer Research Center	4,027,622.55	2,013,811.27	31,012.69	1,982,799.00
Outreach College	893.66	446.83	6.88	440.00
College of Education, CRDG	353,661.15	176,830.58	2,723.19	174,107.00
College of Engineering	557,730.37	278,865.19	4,294.52	274,571.00
School of Pacific Asian Studies	69,574.38	34,787.19	535.72	34,251.00
Institute for Astronomy	3,475,669.05	1,737,834.52	26,762.65	1,711,072.00
Languages, Ling. & Literature	336,963.70	168,481.85	2,594.62	165,887.00
School of Law	203,935.11	101,967.55	1,570.30	100,397.00
Lyon Arboretum	37,258.02	18,629.01	286.89	18,342.00
School of Medicine	8,153,750.24	4,076,875.12	62,783.88	4,014,091.00
College of Natural Sciences	3,571,836.57	1,785,918.29	27,503.14	1,758,415.00
School of Nursing	145,432.99	72,716.49	1,119.83	71,597.00
SOEST	10,802,480.45	5,551,383.66	85,491.31	5,465,892.00
Department of Public Health Sciences	333,789.69	166,894.85	2,570.05	164,325.00
SSRI, College of Social Sciences	1,360,023.98	680,011.99	10,472.18	669,540.00

RTRF Revenue/Allocation (cont.)

UNIT	RTRF Revenue by Unit FY17	FY 18 UNIT ALLOC	Less: Adjustment for 1.54% Restriction	Final FY18 UNIT ALLOCATION
School of Social Work	87,320.62	43,660.31	672.50	42,988.00
Office of Student Affairs	289,402.34	144,701.17	2,228.40	142,473.00
CTAHR	2,007,287.73	1,003,643.86	15,456.12	988,188.00
Waikiki Aquarium	1,070.47	535.23	8.24	527.00
Water Resources Res. Cntr.	116,434.39	58,217.19	896.54	57,321.00
Center for Disabilities Studies	864,856.56	432,428.28	6,659.40	425,769.00
School of Hawaiian Knowledge	20,320.06	10,160.03	156.46	10,004.00
VCR	189,077.20	94,538.60	1,455.89	93,083.00
TOTAL Mānoa	37,158,557.57	18,729,422.20	288,433.07	18,440,991.00

VCR-RTRF Commitments at Mānoa for FY-18

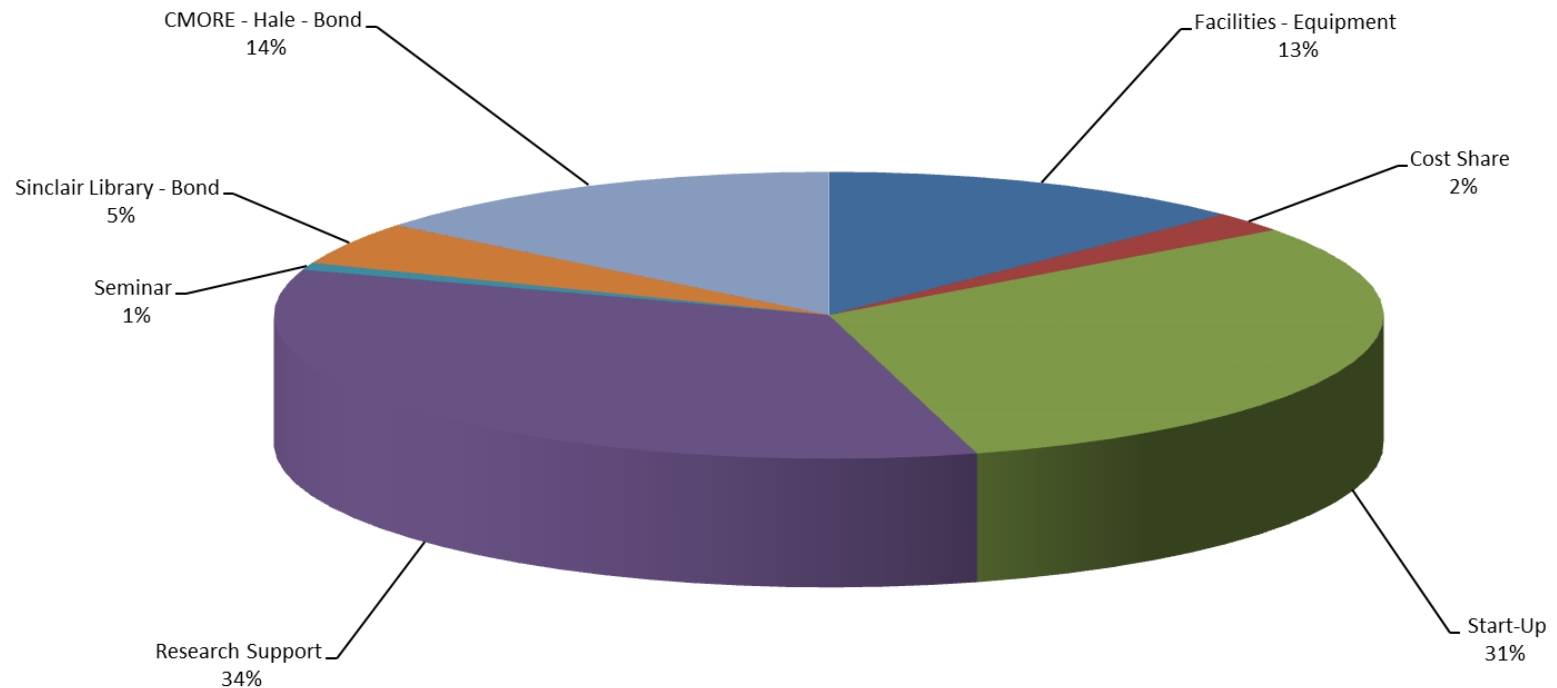
RTRF Commitments For Mānoa

As of June 30, 2018

By Category

PURPOSE	TOTAL
Facilities - Equipment	1,108,215.00
Cost Share	200,000.00
Start-Up	2,716,000.00
Research Support	3,030,741.04
Seminar	72,043.00
Sinclair Library - Bond	426,655.81
CMORE - Hale - Bond	1,251,506.14
GRAND TOTAL	8,805,160.99

How were the VCR-RTRF funds committed in FY 2018?



Summary of VCR – RTRF Commitments to the Units

Department	Amount
HSHK	5,000.00
A&H	7,311.50
LAW	8,000.00
Soc Sci	40,000.00
COE	60,000.00
GSO	108,000.00
Lyon	232,000.00
CTAHR	238,166.00
UHCC	300,000.00
IFA	320,300.41
JABSOM	378,705.00
ITS	500,100.00
Engineering	673,897.91
VCR - Infrastructure	709,000.00
Facilities	1,000,000.00
Nat Sci	1,194,129.61
SOEST	1,352,388.61
VCR - Bond	1,678,161.95
GRAND TOTAL	8,805,160.99

- VCR – Bond - CMORE
\$1,251,506.14 is the repayment of revenue bond interest for CMORE-Hale (this is year 7 of a 30 year commitment).
- VCR Bond - Sinclair \$426,644.81 is the repayment –of revenue bond interest for Sinclair Library (this is year 6 of a 30 year commitment).
- VCR – Infrastructure
\$709,000 is the amount for renovations, repairs and maintenance etc. for various research buildings and campus wide support.

How were these commitments utilized?

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
A&H	Science & Engineering	Research Support	Rsch Conf Travel: Engaging w Vietnam	Huynh, Michelle	1,311.50
A&H	Humanities, Social Sciences	Research Support	Digital Humanities Seed Support	Arnade, Peter	6,000.00
COE	Science & Engineering	Start Up	Erin Centeio Start Up	Centeio, Erin	60,000.00
CTAHR	Science & Engineering	Start Up	Rpr Bioengineering equip/Kurasaki Star	Kurasaki, Ryan	7,500.00
CTAHR	Science & Engineering	Research Support	Bingham Lab	Novotny, Rachel	10,000.00
CTAHR	Science & Engineering	Start Up	Price Start up	Price, Melissa	117,000.00
CTAHR	Science & Engineering	Seminar	NCTC Workshop	Price, Melissa	3,500.00
CTAHR	Science & Engineering	Research Support	Loan: Michael Muszynski lab manager su	Comerford, Nicholas	40,000.00
CTAHR	Science & Engineering	Research Support	Undergraduate Research Initiative	Litton, Creighton	60,166.00
Engineering	Science & Engineering	Research Support	Falling Walls Travel	Shin, Sangwoo	4,344.91
Engineering	Science & Engineering	Research Support	Cleanroom renovation	Riggs, HR	150,000.00
Engineering	Science & Engineering	Seminar	NSF SFS Scholars	Dong, Yingfei	1,053.00
Engineering	Science & Engineering	Start Up	Woochull Lee Start Up	Lee, Woochull	135,000.00
Engineering	Science & Engineering	Start-Up	Do-Soo Moon Start Up	Moon, Do-Soo	72,000.00
Engineering	Science & Engineering	Start Up	Chunhee Cho Start Up	Cho, Chunhee	70,000.00
Engineering	Science & Engineering	Start UP	Zhuoyuan Song Start Up	Song, Zhuoyuan	70,000.00
Engineering	Science & Engineering	Start Up	Tyler Ray Start Up	Ray, Tyler	141,500.00
Engineering	Science & Engineering	Start Up	William Uspal Start Up	Uspal, William	30,000.00
Facilities	Infrastructure	Facilities/Equipment	Utilities	Yamada, Gale	1,000,000.00
GSO	Humanities, Social Sciences	Research Support	GSO Support	Ideta, Lori	50,000.00
GSO	Science & Engineering	Research Support	Gso Merit Awards	Westfall-Senda, Mandy	58,000.00
HSBK	Humanities, Social Sciences	Research Support	Native Hawaiian Student Travel	Kaneelehiwa, Lilikala	5,000.00
IFA	Science & Engineering	Research Support	Meech Travel JPL	Meech, Karen	300.41
IFA	Science & Engineering	Research Support	Contingency CRYO-NIRSP	Hasinger, Guenther	300,000.00
IFA	Science & Engineering	Research Support	Proteus Discovery Mission Budget	Meech, Karen	20,000.00
ITC	Science & Engineering	Research Support	Hawaii Data Science Institute	Jacobs, Gwen	500,000.00
ITC	Science & Engineering	Research Support	EPSCoR workshop support	Jacobs, Gwen	100.00
JABSOM	Science & Engineering	Cost Share	COBRE Diabetes Jr Invest Support	Gershenson, Mariana	100,000.00
JABSOM	Science & Engineering	Cost Share	U54 Ola Hawaii	Hedges, Jerris	100,000.00
JABSOM	Science & Engineering	Research Support	Hawaii IDeA Ctf for Ped & Adolescent Cl	Shiramizu, Bruce	5,000.00
JABSOM	Science & Engineering	Research Support	Pre-proposal travel to Philippines	Yanagihara, Angel	3,000.00
JABSOM	Science & Engineering	Seminar	FDP Meeting - WDC	Csiszar, Katalin	2,490.00
JABSOM	Science & Engineering	Equipment	Biomed Tower Autoclave Service Agree	Gershenson, Mariana	8,215.00
JABSOM	Science & Engineering	Research Support	INBRE Support	Nichols, Robert	60,000.00
JABSOM	Science & Engineering	Facilities/Equipment	BSL3 Renovations	Hedges, Jerris	100,000.00

How these commitments were utilized? (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Law	Humanities, Social Sciences	Start-Up	Dean Start Up	Soifer, Avi	8,000.00
Lyon	Science & Engineering	Research Support	Start Up Zahawi	Zahawi, Zac	225,000.00
Lyon	Science & Engineering	Seminar	Open House/Ho'olaule'a, 2-day Symposium	Zahawi, Zac	7,000.00
Nat Sci	Science & Engineering	Research Support	Start Up new fac tba	Helminck, Aloysius	48,000.00
Nat Sci	Science & Engineering	Research Support	Rsch Conf travel for Proposal	Jensen, Craig	2,129.61
Nat Sci	Science & Engineering	Research Support	MOP Support	Hunter, Cindy	20,000.00
Nat Sci	Science & Engineering	Research Support	Research Support - Hoang	Hoang, Tung	150,000.00
Nat Sci	Science & Engineering	Research Support	Anthony Amend Stipend	Amend, Anthony	24,000.00
Nat Sci	Science & Engineering	Seminar	WDC Workshop	Bindi, Veronica	3,000.00
Nat Sci	Science & Engineering	Start Up	Peter Sadowski Start Up	Sadowski, Peter	80,000.00
Nat Sci	Science & Engineering	Start Up	Elizabeth Gross Start Up	Gross, Elizabeth	35,000.00
Nat Sci	Science & Engineering	Start Up	Marc Horwitz Start Up	Horwitz, Marc	150,000.00
Nat Sci	Science & Engineering	Start Up	Chris Muir Start Up	Muir, Chris	125,000.00
Nat Sci	Science & Engineering	Start Up	Jake Fergusson Start Up	Ferguson, Jake	119,000.00
Nat Sci	Science & Engineering	Start Up	Rosana Zenil-Ferguson Start Up	Ferguson, Rosana	118,000.00
Nat Sci	Science & Engineering	Start-Up	Andrew Sale Start Up	Sale, Andrew	30,000.00
Nat Sci	Science & Engineering	Start-Up	Nishimura Start Up	Nishimura, Kurtis	290,000.00
Soc Sci	Science & Engineering	Research Support	Michael Roberts Retention	Roberts, Michael	35,000.00
Soc Sci	Humanities, Social Sciences	Seminar	PRiMO conference	Kim, Karl	5,000.00
SOEST	Science & Engineering	Research Support	Steven Stanley Support	Stanley, Steven	95,000.00
SOEST	Science & Engineering	Research Support	HSFL bridging support loan	Flynn, Luke	184,170.00
SOEST	Infrastructure	Research Support	VCR Supplements and Support	Taylor, Brian	14,974.00
SOEST	Science & Engineering	Research Support	NSF MRI Proposal	Dunlap, Marilyn	111,532.00
SOEST	Science & Engineering	Research Support	Hope Ishii Support for FEI invoices	Ishii, Hope	50,000.00
SOEST	Science & Engineering	Research Support	Angel Yanagihara Salary Support	Yanagihara, Angel	36,933.00
SOEST	Science & Engineering	Research Support	FIB and TEM Support	Ishii, Hope	50,000.00
SOEST (HNEI)	Science & Engineering	Research Support	Rsch Conf travel for Proposal		1,779.61

How these commitments were utilized? (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
SOEST	Science & Engineering	Seminar	Governing Green Power Conference		45,000.00
SOEST	Science & Engineering	Seminar	International Union of Crystallography C	Dera, Przemyslaw	5,000.00
SOEST	Science & Engineering	Start Up	Chris Sabine (OCE) Start Up	Sabine, Chris	17,000.00
SOEST	Science & Engineering	Start Up	Lars Bejder (HIMB) Start Up	Bejder, Lars	100,000.00
SOEST	Science & Engineering	Start Up	Phil Thompson (OCE)	Thompson, Phil	50,000.00
SOEST	Science & Engineering	Start Up	Liz Madin (HIMB)	Madin, Liz	100,000.00
SOEST	Science & Engineering	Start Up	Josh Madin (HIMB)	Madin, Josh	100,000.00
SOEST	Science & Engineering	Start Up	Angelique White (OCE)	White, Angelique	90,000.00
SOEST	Science & Engineering	Start Up	Thomas Shea (GG)	Shea, Thomas	50,000.00
SOEST	Science & Engineering	Start Up	Giuseppe Torri (ATMO)	Torri, Giuseppe	51,000.00
SOEST	Science & Engineering	Start Up	Justin Stopa (ORE)	Stopa, Justin	50,000.00
SOEST	Science & Engineering	Start Up	Suvabrata Das (ORE)	Das, Suvabrata	50,000.00
SOEST	Science & Engineering	Start Up	Jacob Johansen (HIMB)	Johansen, Jacob	100,000.00
UHCC	Science & Engineering	Start Up	Shepherd Start Up	Shepherd, John	300,000.00
VCR - Bond		Bond	CMORE Revenue Bond Payment	Bruno, Michael	1,251,506.14
VCR - Bond		Bond	Sinclair Revenue Bond Payment	Bruno, Michael	426,655.81
VCR - Infrastructure	Infrastructure	Research Support	EHSO Operating Account	Bruno, Michael	150,000.00
VCR - Infrastructure	Science & Engineering	Research Support	Research Infrastructure Support	Bruno, Michael	62,000.00
VCR - Infrastructure	Science & Engineering	Research Support	Makai Pier	Bruno, Michael	40,000.00
VCR - Infrastructure	Science & Engineering	Research Support	Undergraduate Research Organization	Kameoka, Velma	7,000.00
VCR - Infrastructure	Science & Engineering	Research Support	VCR Operating Account	Bruno, Michael	100,000.00
VCR - Infrastructure	Infrastructure	Research Support	Faculty Travel	Kameoka, Velma	350,000.00

What policies are currently in place for how the funds are spent within the University of Hawai'i System, the UH Mānoa Campus, and the Offices of our Deans and Units?

- Any extension to the award period must be approved by the VCR.
- Any deviation in expenditure must be approved by the VCR.
- The VCR spends RTRF to support the research infrastructure of Manoa.

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 2017, Mānoa generated \$37,308,700.98 to be distributed in FY 2018. The return to Mānoa in FY 2018 will be \$28,047,148.

How will these funds be distributed and utilized this year?

- For FY 2018, 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.)