

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 enclosing a horizontal bar. The bar has a green-to-white gradient. The text 'RTRF Report' and 'FY 2017' is centered on this bar.

RTRF Report FY 2017

Michael Bruno
Vice Chancellor for Research

Preamble

During FY-16 our faculty generated \$39,296,269 in indirect costs, which was largely expended this past fiscal year ending June 30, 2017. 25% of this total was kept at the level of the UH System (\$9,727,020) and 75% returned to Mānoa (\$29,569,251). 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.).

The University of Hawai'i at Mānoa continues to maintain vibrant and active research programs with over \$300 million in new extramural funds in FY17. 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.

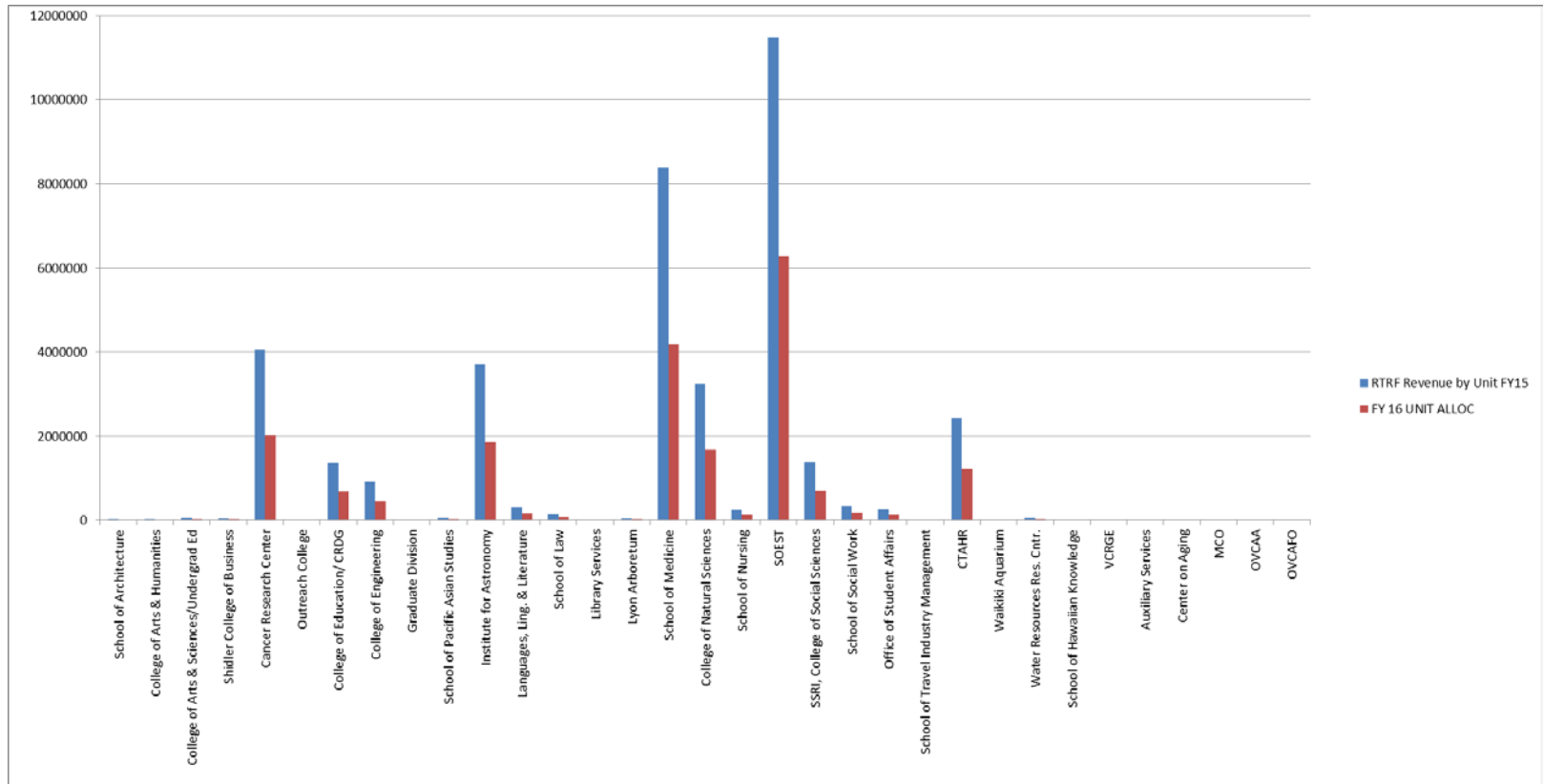
Detailed on the following pages is a summary report for RTRF expenditures for FY-17. The format for this report is as requested by the Senate Executive Committee.

Michael Bruno
Vice Chancellor for Research

How much RTRF is returned to Mānoa each year?

		FY 2010		FY 2011		FY 2012		FY 2013		FY 2014		FY 2015		FY 2016		FY 2017	
		%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
Mānoa's Overhead Generated			37146710		37679669		42233298		42185211		40756730.67		38825342		39126519		39296269.81
System		0.25	9286678	0.25	9419917	0.2875	12142073	0.243091	10254848	0.25	10189182.67	0.25	9706336	0.284048	11113812	0.28	9727020
Mānoa		0.75	27860032	0.75	28259752	0.7125	30091225	0.756909	31930363	0.75	30567548	0.75	29119006	0.715952	28012708	0.72	29569251
TOTAL		1	37146710	1	37679669	1	42233298	1	42185211	1	40756730.67	1	38825342	1	39126520	1	39296271
Manoa's Allocation			27860032		28259752		30091225		31930363		30567548		29119006		28012708		29569251
Directly Returned to Units		0.666667	18573355	0.666667	18839833	0.701754	21116650	0.660581	21092606	0.666667	20378367	0.666667	19412670	0.674111	18883687	0.697213	20616075.11
Retained for Distribution by the Mānoa Chancellor's Office			9286677		9419919		8974575		10837757		10189181		9706336		9129021		8650086.98

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



RTRF Revenue/Allocation

UNIT	RTRF Revenue by Unit FY16	FY 17 UNIT ALLOC	Less: Adjustment for Accts Receivables	Final FY17 UNIT ALLOCATION
School of Architecture	32775.65	16388		16388
College of Arts & Humanities	23104.93	11552		11552
College of Arts & Sciences/Undergrad Ed	61747.59	30874		30874
Shidler College of Business	51079.35	25540		25540
Cancer Research Center	4051705.76	2025853	5734	2020119
Outreach College	2424.24	1212		1212
College of Education, CRDG	1368159.09	684080	76938	607142
College of Engineering	907152.84	453576	1826	451750
Graduate Division				0
School of Pacific Asian Studies	69907.48	34954		34954
Institute for Astronomy	3703263.2	1851632	25459	1826173
Laboratory Animal Service				0
Languages, Ling. & Literature	310171.02	155086		155086
School of Law	151626.56	75813		75813
Library Services				0
Lyon Arboretum	49280.99	24640		24640
School of Medicine	8379981.87	4189991	22958	4167033
College of Natural Sciences	3244449.76	1672390	731	1671659
School of Nursing	246006.91	123003	719	122284
SOEST	11481292.14	6270699	42477	6228222
PBRC				0
Department of Public Health Sciences				0
SSRI, College of Social Sciences	1386530.74	693265	195	693070

RTRF Revenue/Allocation (cont.)

UNIT	RTRF Revenue by Unit FY16	FY 17 UNIT ALLOC	Less: Adjustment for Accts Receivables	Final FY17 UNIT ALLOCATION
School of Social Work	345940.18	172970	472	172498
Office of Student Affairs	264314.8	132157		132157
School of Travel Industry Management				0
CTAHR	2434512.69	1217256		1217256
Waikiki Aquarium	1883.32	942		942
Water Resources Res. Cntr.	70264.06	35132	5046	30086
Center for Disabilities Studies				0
School of Hawaiian Knowledge	14434.65	7217		7217
VCR				0
Auxiliary Services				0
Center on Aging				0
MCO				0
OVCAA				0
OVCAFO	32.7	16		16
TOTAL Mānoa	38652042.52	19906238	182555	19723683

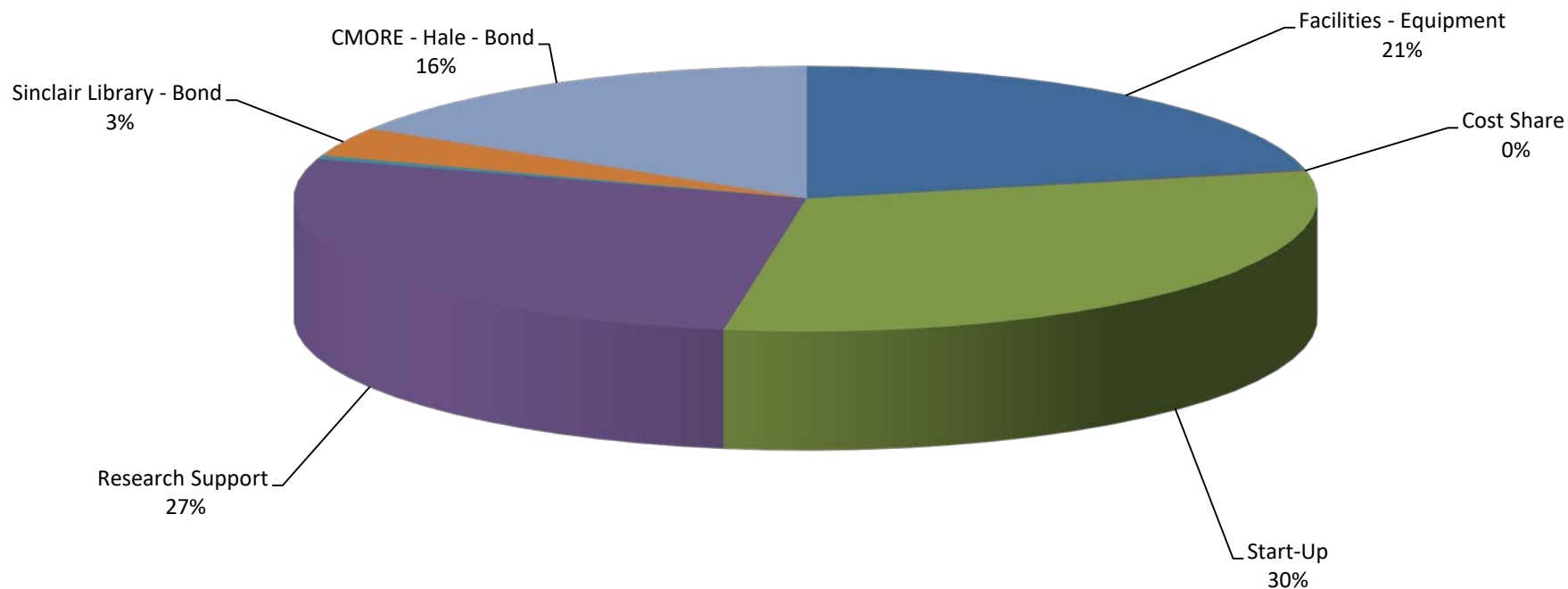
VCR-RTRF Commitments at Mānoa for FY-17

RTRF Commitments For Mānoa As of June 30, 2017 By Category

PURPOSE	TOTAL
Facilities - Equipment	2056234.89
Cost Share	7967
Start-Up	2947624.5
Research Support	2595192.21
Seminar	42572.48
Sinclair Library - Bond	337757.88
CMORE - Hale - Bond	1541627.19
GRAND TOTAL	9528976.15



How were the VCR-RTRF funds committed in FY 2017?

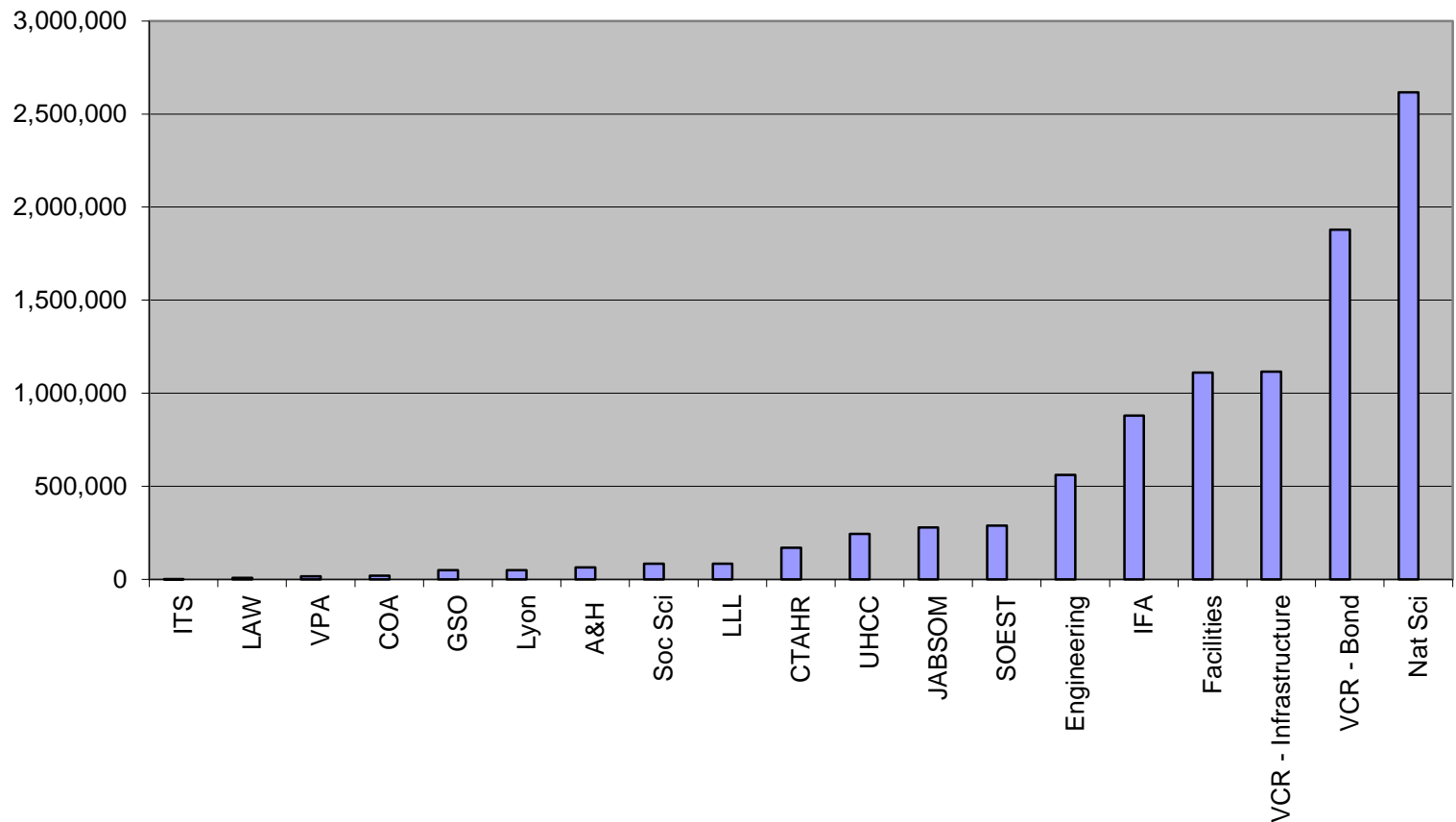


Summary of VCR – RTRF Commitments to the Units

Department	Amount
ITS	500
LAW	8,000
VPA	17,638
COA	20,000
GSO	50,000
Lyon	50,000
A&H	65,000
Soc Sci	84,356
LLL	85,000
CTAHR	169,669
UHCC	245,000
JABSOM	279,184
SOEST	289,700
Engineering	561,610
IFA	879,625
Facilities	1,112,000
VCR - Infrastructure	1,115,412
VCR - Bond	1,879,385
Nat Sci	2,616,898
GRAND TOTAL	9,528,976

- VCR – Bond - CMORE
\$1,541,627 is the repayment of revenue bond interest for CMORE-Hale (this is year 6 of a 30 year commitment).
- VCR Bond - Sinclair \$337,758 is the repayment –of revenue bond interest for Sinclair Library (this is year 5 of a 30 year commitment).
- VCR – Infrastructure
\$1,115,412 is the amount for renovations, repairs and maintenance etc. for various research buildings and campus wide support.

Summary of VCR – RTRF Commitments to the Units (Cont.)





VCR-RTRF Commitments

5 Largest Programs

	Facilities - Equipment	Research Support	Cost Share	Start-Up	Seminar	Grand Total
IFA	21,667.00	339,991.00	7,967.00	510,000.00		879,625.00
Facilities	1,112,000.00					1,112,000.00
VCR - Infrastructure	1,115,411.55					1,115,411.55
VCR - Bond	1,879,385.07					1,879,385.07
Nat Sci	1,002,326.74	411,748.66		1,190,500.00	12,322.48	2,616,897.88
	5,130,790.36	751,739.66	7,967.00	1,700,500.00	12,322.48	7,603,319.50



[How were these commitments utilized?

- Utilization is detailed in the next few slides.

RTRF Commitments (As of June 30, 2017)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
A&H	Humanities, Social Sciences	Research Support	Digital Arts and Humanities Initiative	Rath, Richard	25,000.00
A&H	Humanities, Social Sciences	Research Support	Chinese Theatre	Wichmann-Walczak, Elizabeth	40,000.00
COA	Humanities, Social Sciences	Start Up	Center on Aging- Director Start up	Perkinson, Margaret	20,000.00
CTAHR	Science & Engineering	Research Support	Undergraduate Research Initiative	Litton, Creighton	97,919.00
CTAHR	Science & Engineering	Seminar	VC RTRF: AATR Wieczorek	Wieczorek, Anna	1,750.00
CTAHR	Science & Engineering	Research Support	Pollinator position	Novotny, Rachel	70,000.00
Engineering	Science and Engineering	Research Support	ENGR VC Support	Matsuzaki, Carrie	400.00
Engineering	Science & Engineering	Seminar	UHM AUSA LANPAC (VCR)	Choi, Song	5,000.00
Engineering	Science & Engineering	Research Support	iLab Student Support	Riggs, H	4,641.00
Engineering	Science & Engineering	Research Support		Prevedouros, Panos	3,000.00
Engineering	Science & Engineering	Start Up	HCAC Start up - YUANZHANG XIAO	Xiao, Yuanzhang	74,000.00
Engineering	Science & Engineering	Start Up	Weldon Start up	Weldon, Jeff	317,869.00
Engineering	Science & Engineering	Start Up	Ike Wai Fac Start up	Riggs, H	60,000.00
Engineering	Humanities, Social Sciences	Research Support	SENCER Conference Support	Prevedouros, Panos	1,700.00
Engineering	Science & Engineering	Start Up	Joseph Brown Start Up	Brown, Joseph	95,000.00
Facilities	Infrastructure	Facilities/Equipment	Utilities	Yamada, Gale	1,000,000.00
FMO	Infrastructure	Research Support	Coconut Island Rehabilitation: 2nd Bore		112,000.00
GSO	Humanities, Social Sciences	Research Support	GSO Support	Ideta, Lori	50,000.00
IFA	Infrastructure	Facilities/Equipment	DOT Highways Div Lighting		21,667.00
IFA	Science & Engineering	Start Up	Xudong Sun Start Up	Sun, Xudong	140,000.00
IFA	Science & Engineering	Research Support		Kuhn, Jeff	25,000.00
IFA	Science & Engineering	Start Up	VanSaders Start up	VanSaders	175,000.00
IFA	Science & Engineering	Start Up	Shappee Start Up	Shappee	195,000.00
IFA	Science & Engineering	Cost Share	IFA 50th Anniv	Hasinger, Guenther	7,967.00
IFA	Science & Engineering	Research Support	NASA NAI CAN8 Proposal	Meech, Karen	314,991.00
ITS	Science & Engineering	Research Support	Team Science Workshop	Jacobs, Gwen	500.00

RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
JABSOM	Infrastructure	Facilities/Equipment	Biomed Lab Repairs	Ward, W. Steve	23,890.00
JABSOM	Science & Engineering	Research Support	VC Support - JBF	Kumar, Mukesh	56,943.00
JABSOM	Science & Engineering	Start Up	Axel Lehrer Start Up	Lehrer, Axel	140,000.00
JABSOM	Science & Engineering	Facilities/Equipment	VC Support - CMB (Autoclave)	Gershensen, Mariana	8,351.15
JABSOM	Science & Engineering	Research Support	Mouse Core	Shohet, Ralph	50,000.00
Law	Humanities, Social Sciences	Start-Up	Dean	Soifer	8,000.00
LLL	Humanities, Social Sciences	Start Up	Rory Turnbull Start up	Turnbull, Rory	45,000.00
LLL	Humanities, Social Sciences	Research Support	Flagship Technology Innovation Center	Rodriguez, Julio	40,000.00
Lyon	Science & Engineering	Research Support	Seed Manager bridging funds	Everson, Carl	50,000.00
Nat Sci	Science & Engineering	Facilities/Equipment	Biology MRS/MRI System	Bennett	1,002,326.74
Nat Sci	Science & Engineering	Research Support	Kumashiro Bridging	Kumashiro, Kristin	175,000.00
Nat Sci	Science & Engineering	Research Support	Research Support - Douglas (VCR)	Douglas, James	10,000.00
Nat Sci	Science & Engineering	Research Support	FEL External Review panel and stipend	Lam, Pui	20,000.00
Nat Sci	Science & Engineering	Seminar	PRISMA workshop in Germany 10/22-24	Learned, John	2,322.48
Nat Sci	Science & Engineering	Research Support	Baldelomar Support	Baldelomar, E	34,133.00
Nat Sci	Science & Engineering	Seminar	International Larval Biology Symposium	Moran, Amy	5,000.00
Nat Sci	Science & Engineering	Start Up	Haas Start Up	Haas	120,000.00
Nat Sci	Science & Engineering	Research Support	Research Support - Cole (VCR)	Cole, Kathleen	50,000.00
Nat Sci	Science & Engineering	Research Support	Kaiser Support	Kaiser, Ralf	50,000.00
Nat Sci	Science & Engineering	Seminar	Clean Energy and Climate Change Forum	Chyba, Monique	5,000.00
Nat Sci	Infrastructure	Research Support	Kaiser Support (VCR)	Kaiser, Ralf	17,265.66
Nat Sci	Science & Engineering	Start Up	3 Chemistry hires	Helminck, Aloysius	787,500.00
Nat Sci	Science & Engineering	Research Support	Research Support - Hoang VCR	Hoang, Tung	45,500.00
Nat Sci	Science & Engineering	Start Up	Chong Start up	Chong, Rebecca	113,000.00
Nat Sci	Science & Engineering	Start Up	Sun Start up	Sun, Rui	120,000.00
Nat Sci	Science & Engineering	Research Support	Additional MRI Support	Bennett, Kevin	9,850.00
Nat Sci	Science & Engineering	Start up	Helminck Start Up	Helminck	50,000.00

RTRF Commitments (cont. 2)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Soc Sci	Humanities, Social Sciences	Start Up	Start Up Solman	Solman, Grayden	37,255.50
Soc Sci	Humanities, Social Sciences	Seminar		Kimura, Ehito	500.00
Soc Sci	Science & Engineering	Research Support	Michael Roberts Retention	Roberts, Michael	35,000.00
Soc Sci	Humanities, Social Sciences	Research Support	SENCER Conference Support	Konan, Denise	3,400.00
Soc Sci	Science & Engineering	Seminar		Kim, Karl	5,000.00
Soc Sci	Humanities, Social Sciences	Research Support	Manoa Horizons for Honors	Gonzalez, Vernadette	3,200.00
SOEST	Science & Engineering	Research Support	Steven Stanley Support	Stanley, Steven	95,000.00
SOEST	Science and Engineering	Start Up	Kiana Frank Start Up	Frank, Kiana	100,000.00
SOEST	Science and Engineering	Seminar	Leong - APMB Conference 2017 - VCR	Leong, Jo-Anne	13,000.00
SOEST	Science & Engineering	Seminar	Geological Society of America Meeting	Apuzen-Ito, Garrett	5,000.00
SOEST	Science & Engineering	Research Support	NERRS Program	Gates, Ruth	75,000.00
SOEST	Humanities, Social Sciences	Research Support	SENCER Conference Support	Lerner, Darren	1,700.00
UHCC	Science and Engineering	Start Up	Holcombe Start Up	Holcombe, Randy	200,000.00
UHCC	Infrastructure	Research Support	VCR - Garmire Retention	Garmire, Lana	45,000.00
VCR - Bond			CMORE Revenue Bond Payment	Bruno, Michael	1,541,627.19
VCR - Bond			Sinclair Revenue Bond Payment	Bruno, Michael	337,757.88
VCR - Infrastructure	Infrastructure	Research Support	Makai Pier	Bruno, Michael	100,000.00
VCR - Infrastructure	Infrastructure	Research Support	Makai Pier	Bruno, Michael	19,723.55
VCR - Infrastructure	Infrastructure	Research Support	Makai Pier	Bruno, Michael	60,000.00
VCR - Infrastructure	Infrastructure	Research Support	Accounts Receivables - Field	Bruno, Michael	143,378.00
VCR - Infrastructure	Infrastructure	Research Support	Research Infrastructure Support 8833	Bruno, Michael	75,000.00
VCR - Infrastructure	Infrastructure	Research Support	Faculty Travel	Kameoka, Velma	350,000.00
VCR - Infrastructure	Infrastructure	Research Support	8833 Infrastruct Supp	Bruno, Michael	20,000.00
VCR - Infrastructure	Infrastructure	Research Support	Coconut Island Rehabilitation	Bruno, Michael	17,310.00
VCR - Infrastructure	Infrastructure	Research Support	Coconut Island Rehabilitation	Bruno, Michael	50,000.00
VCR - Infrastructure	Infrastructure	Research Support	EHSO Operating	Kennedy, Emma	80,000.00
VCR - Infrastructure	Infrastructure	Start Up	Undergraduate Research Initiative	Kameoka, Velma	150,000.00
VCR - Infrastructure	Science & Engineering	Research Support	TIG renewal	Bruno, Michael	50,000.00
VPA	Science & Engineering	Research Support	UHM Waste Reduction Fellowship pilot	Lynch, Matthew	17,638.00

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.

How are the funds used to support and build the research infrastructure that brought the funds into the University System?

- The VCR is directed to spend RTRF to support the research infrastructure of Manoa.
- 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 \$40,508,980 to be distributed in FY 2018. The return to Mānoa in FY 2018 will be \$27,011,340.



[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.)