



RTRF Report FY 2013

Brian Taylor
Interim Vice Chancellor for Research

Preamble

During FY-12 our faculty generated \$42,185,211 in indirect overhead, which was largely expended this past fiscal year ending June 30, 2013. The year 25% of this total was kept at the level of the UH System (\$10,254,848) and 75% returned to Mānoa (\$31,930,363). 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 approximately \$301.6 million in new extramural funds in FY13. 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.

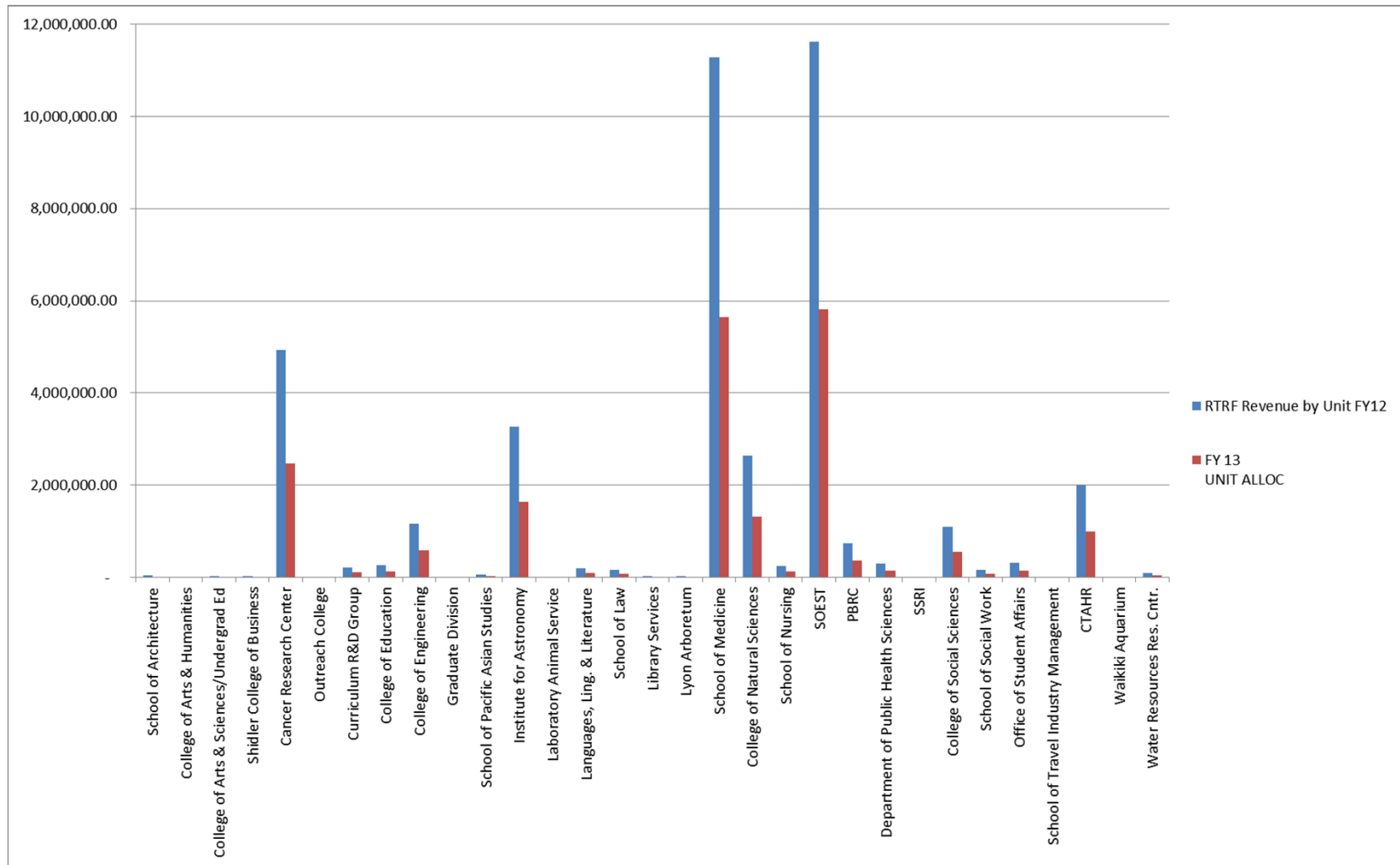
Detailed on the following pages is a summary report for RTRF expenditures for FY-13. The format for this report is as requested by the Senate Executive Committee.

Brian Taylor
Interim Vice Chancellor for Research

How much RTRF is returned to Mānoa each year?

	FY 2009		FY 2010		FY 2011		FY 2012		FY 2013	
	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
Mānoa's Overhead Generated		<u>34,279,595</u>		<u>37,146,710</u>		<u>37,679,669</u>		<u>42,233,298</u>		<u>42,185,211</u>
System	25%	8,205,007	25%	9,286,678	25%	9,419,917	28.75%	12,142,073	24.31%	10,254,848
Mānoa	75%	26,074,588	75%	27,860,032	75%	28,259,752	71.25%	30,091,225	75.69%	31,930,363
TOTAL	100%	<u>34,279,595</u>	100%	<u>37,146,710</u>	100%	<u>37,679,669</u>	100.00%	<u>42,233,298</u>	100.00%	<u>42,185,211</u>
Mānoa's Allocation		26,074,588		27,860,032		28,259,752		30,091,225		31,930,363
Directly Returned to Units	66%	17,139,796	67%	18,573,355	67%	18,839,833	70%	21,116,650	66%	21,092,606
Retained for Distribution by the Mānoa Chancellor's Office		<u>8,934,792</u>		<u>9,286,677</u>		<u>9,419,919</u>		<u>8,974,575</u>		<u>10,837,757</u>

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



RTRF Revenue/Allocation

UNIT	RTRF Revenue by Unit FY12	FY 13 UNIT ALLOC	Less: Adjustment for Accts Receivables	Add: TASupport	Final FY13 UNIT ALLOCATION
School of Architecture	47,655.56	23,828			23,828
College of Arts & Humanities	5,336.24	2,668		56,696	59,364
College of Arts & Sciences/Undergrad Ed	35,563.05	17,782			17,782
Shidler College of Business	40,239.28	20,120		598	20,718
Cancer Research Center	4,940,234.60	2,470,118	5,734		2,464,384
Outreach College	169.08	85			85
Curriculum R&D Group	222,753.85	111,377	1,274		110,103
College of Education	271,031.63	135,516	45,628	14,303	104,191
College of Engineering	1,173,708.21	586,854	2,460	11,781	596,175
Graduate Division		-			-
School of Pacific Asian Studies	58,617.10	29,309		3,904	33,213
Institute for Astronomy	3,277,596.54	1,638,798	27,092		1,611,706
Laboratory Animal Service		-			-
Languages, Ling. & Literature	204,623.82	102,312		80,096	182,408
School of Law	160,855.37	80,428			80,428
Library Services	31,008.29	15,504			15,504
Lyon Arboretum	28,325.77	14,163			14,163
School of Medicine	11,272,427.28	5,636,214	22,958	1,094	5,614,350
College of Natural Sciences	2,636,522.98	1,318,261	731	78,199	1,395,729
School of Nursing	252,786.16	126,393	719	2,188	127,862
SOEST	11,615,923.78	5,807,962	3,300	3,218	5,807,880
PBRC	750,927.61	375,464	-		375,464
Department of Public Health Sciences	298,764.46	149,382	12,300		137,082
SSRI		-			-
College of Social Sciences	1,105,816.24	552,908	195	46,865	599,578

RTRF Revenue/Allocation (cont.)

UNIT	RTRF Revenue by Unit FY12	FY 13 UNIT ALLOC	Less: Adjustment for Accts Receivables	Add: TA Support	Final FY13 UNIT ALLOCATION
School of Social Work	173,542.83	86,771	3,525		83,246
Office of Student Affairs	317,072.89	158,536	4,427		154,109
OTTED		-			-
School of Travel Industry Management	1,018.47	509	509		-
CTAHR	2,005,476.56	1,002,738	14,585	19,595	1,007,748
Waikiki Aquarium	13,318.55	6,659			6,659
Water Resources Res. Cntr.	107,516.65	53,758	9,899		43,859
Center for Disabilities Studies	975,824.21	487,912	50,180		437,732
VP for Plan & Policy		-			-
School of Hawaiian Knowledge	39,804.21	19,902		7,415	27,317
VCRGE	120,749.52	60,375			60,375
TOTAL Mānoa	42,185,210.79	21,092,606.00	205,516.00	325,952.00	21,213,042.00

[What was the amount of RTRF funds
expended by the VCRGE for FY-13 (i.e. the 25%)?]

- \$12,738,855

VCRGE-RTRF Commitments at Manoa for FY-13

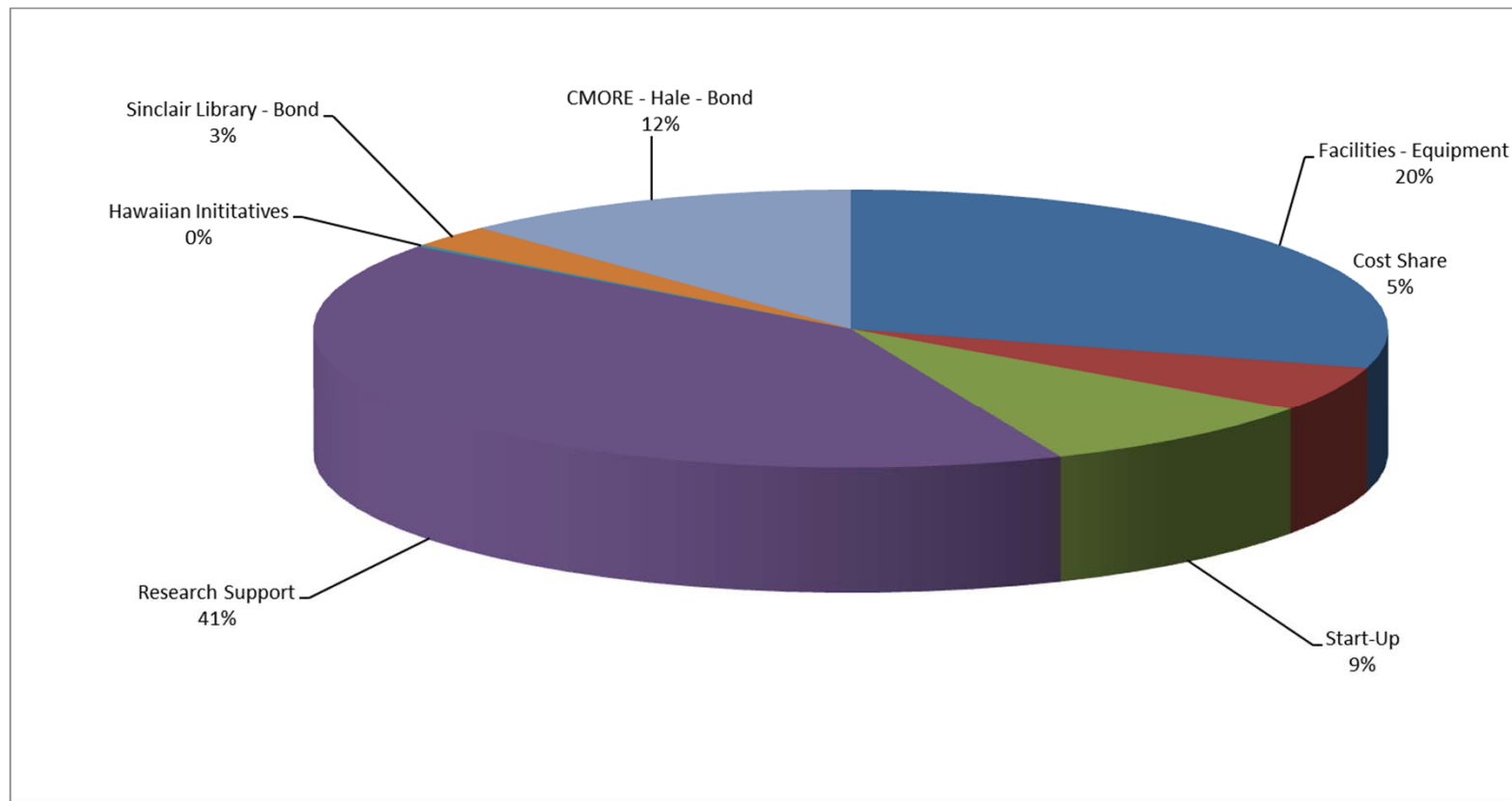
RTRF Commitments For Mānoa

As of June 30, 2013

By Category

Purpose	Total
Facilities - Equipment	3,761,939
Cost Share	668,932
Start-Up	1,127,000
Research Support	5,277,547
Hawaiian Initiatives	30,000
Sinclair Library - Bond	331,376
CMORE - Hale - Bond	1,542,061
Grand Total	12,738,855

How were the VCRGE-RTRF funds committed in FY 2013?

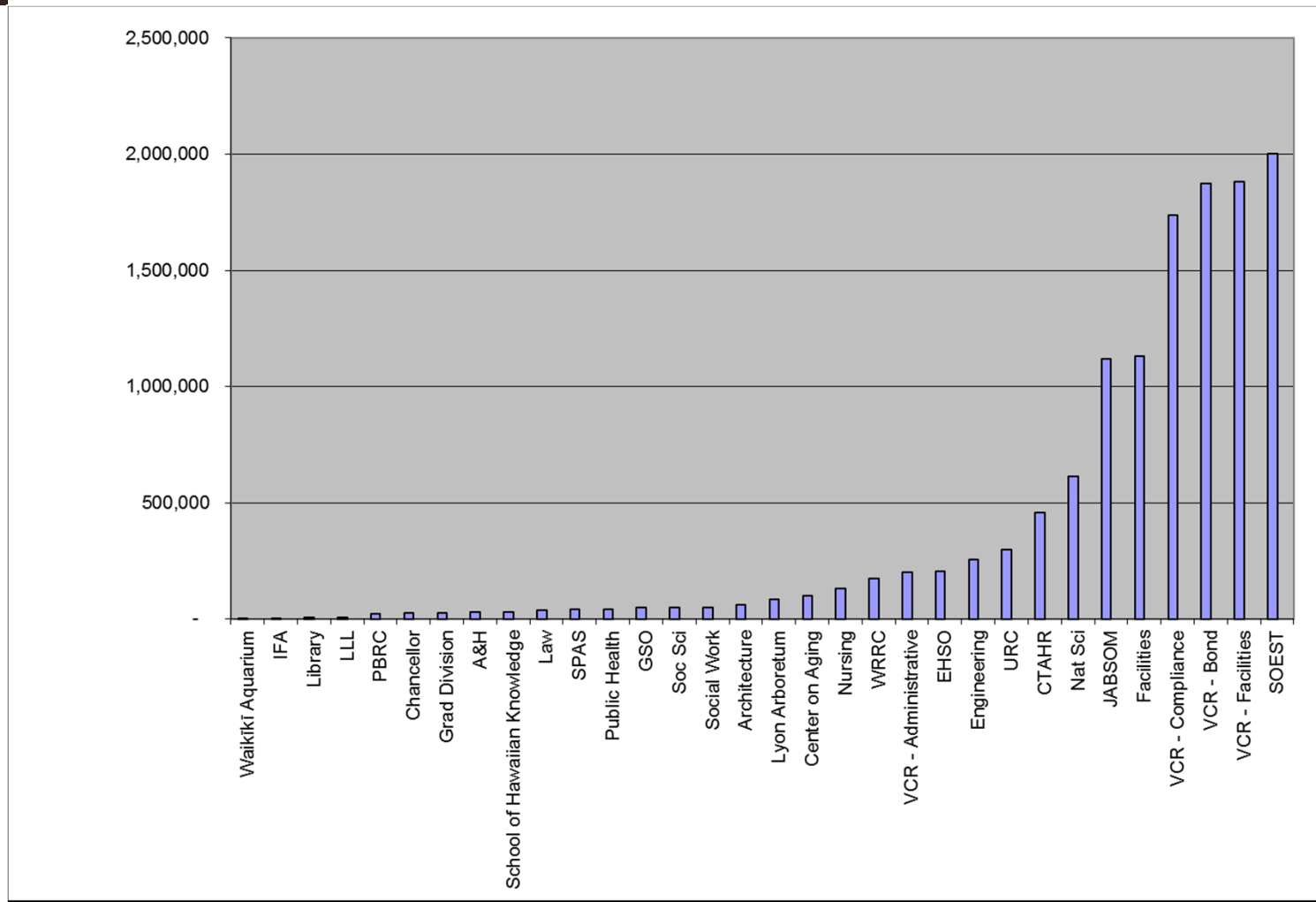


Summary of VCRGE – RTRF Commitments to the Units

Department	Amount
Waikiki Aquarium	1,500
IFA	2,464
Library	4,950
LLL	5,000
PBRC	23,674
Chancellor	25,000
Grad Division	26,226
A&H	29,807
School of Hawaiian K	30,000
Law	36,000
SPAS	40,252
Public Health	41,750
GSO	50,000
Soc Sci	50,000
Social Work	50,000
Architecture	59,000
Lyon Arboretum	83,882
Center on Aging	100,000
Nursing	129,000
WRRC	173,663
VCR - Administrative	200,000
EHSO	205,000
Engineering	254,415
URC	300,000
CTAHR	456,629
Nat Sci	614,840
JABSOM	1,120,500
Facilities	1,130,865
VCR - Compliance	1,736,719
VCR - Bond	1,873,437
VCR - Facilities	1,881,529
SOEST	2,002,753
GRAND TOTAL	12,738,855

- VCRGE – Bond - CMORE
\$1,542,061 is the repayment of revenue bond interest for CMORE-Hale (this is year 4 of a 30 year commitment).
- VCRGE – Bond - Sinclair
\$331,376 is the repayment of revenue bond interest for Sinclair Library (this is year 3 of a 30 year commitment).
- VCRGE – Facilities
\$1,881,529 is the amount for renovations, repairs and maintenance etc. for various research buildings.

Summary of VCRGE – RTRF Commitments to the Units



VCRGE-RTRF Commitments

5 Largest Programs

	Facilities - Equipment	Research Support	Cost Share	Start-Up	Grand Total
JABSOM		685,500	375,000	60,000	1,120,500
Facilities	1,130,865				1,130,865
VCR - Compliance		1,736,719			1,736,719
VCR - Bond	1,873,437				1,873,437
VCR - Facilities	1,881,529				1,881,529
SOEST		1,008,450	194,303	800,000	2,002,753
	4,885,831	3,430,669	569,303	860,000	9,745,803

[How were these commitments
utilized?]

- Utilization is detailed in the next few slides.

RTRF Commitments (As of June 30, 2013)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
A&H	Humanities, Social Sciences & Arts	Research Support	Hawaiian Theatre	Baker, Tammy	18,000.00
A&H	Humanities, Social Sciences & Arts	Research Support	Oxford Summer Research Institute	Brislin, Thomas	1,807.40
A&H	Humanities, Social Sciences & Arts	Research Support	Faculty Start-Up	Sala, Aaron	10,000.00
Architecture	Humanities, Social Sciences & Arts	Start-Up	Faculty Start-Up	Meguro, Wendy	59,000.00
Center on Aging	Infrastructure	Research Support	Operating Funds	Browne, Colette	100,000.00
Chancellor	Infrastructure	Research Support	APT Training	Apple, Thomas	25,000.00
CTAHR	Humanities, Social Sciences & Arts	Research Support	Taro Task Force Proposal	Deenk, Jonathan	50,000.00
CTAHR	Humanities, Social Sciences & Arts	Research Support	Catalyst Grant	Deenk, Jonathan	80,000.00
CTAHR	Humanities, Social Sciences & Arts	Research Support	Faculty Start-Up	Gallo, Maria	100,000.00
CTAHR	Humanities, Social Sciences & Arts	Research Support	Capacity Improvement Funds	Gallo, Maria	125,000.00
CTAHR	Humanities, Social Sciences & Arts	Research Support	Gallo - Office Space	Gallo, Maria	17,500.00
CTAHR	Humanities, Social Sciences & Arts	Research Support	Aquaculture Program	Ron, Benny	32,400.00
CTAHR	Humanities, Social Sciences & Arts	Research Support	Aquaculture Program	Ron, Benny	16,728.63
CTAHR	Humanities, Social Sciences & Arts	Research Support	Faculty Start-Up	Vaughan, Mahena	35,000.00

RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
EHSO	Infrastructure	Research Support	FY 2013 Approved Budget	Takekawa, Roy	205,000.00
Engineering	Science & Engineering	Start-Up	Faculty Start-Up	Bateni, Sayed	40,000.00
Engineering	Science & Engineering	Cost Share	MRI Proposal	Boric-Lubecke, Olga	84,415.00
Engineering	Science & Engineering	Facilities/Equipment	POST Clean Room Cleaning	Crouch, Peter	50,000.00
Engineering	Science & Engineering	Start-Up	Faculty Start-Up	Crouch, Peter	40,000.00
Engineering	Science & Engineering	Cost Share	Center for Sustainable, Interconnected and Adaptable Transportation Systems	Papacostas, C.S.	15,000.00
Engineering	Science & Engineering	Facilities/Equipment	Inductively Coupled Plasma Optical Emission Spectroscopy	Ray, Chittaranjan	25,000.00
Facilities	Infrastructure	Facilities/Equipment	Solar Photovoltaic	Katsuyoshi, Tom	231,330.00
Facilities	Infrastructure	Facilities/Equipment	Utilities	Yamada, Gale	899,535.00
Grad Division	Humanities, Social Sciences & Arts	Research Support	NSF Proposal	Cooper, Patricia	26,226.28
GSO	Humanities, Social Sciences & Arts	Research Support	GSO Support	Ideta, Lori	50,000.00
IFA	Science & Engineering	Research Support	Hubble Roadshow	Hasigner, Guenther	2,250.00
IFA	Science & Engineering	Cost Share	IRTF High Resolution Spectrograph	Tokunaga, Alan	214.02

RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
JABSOM	Science & Engineering	Start-Up	Faculty Start-Up	Akahata, W.	60,000.00
JABSOM	Science & Engineering	Research Support	MRI Renovation Needs	Bennett, Kevin	100,000.00
JABSOM	Science & Engineering	Research Support	NIGMS IDeA Program meeting	Holmes, Eric	10,000.00
JABSOM	Science & Engineering	Research Support	Research Support	Holmes, Eric	20,000.00
JABSOM	Science & Engineering	Research Support	D-CFAR Grant	Shikuma	140,000.00
JABSOM	Science & Engineering	Cost Share	P50 Application	Shohet, Ralph	375,000.00
JABSOM	Science & Engineering	Research Support	COBRE III Support	Shohet, Ralph	250,000.00
JABSOM	Science & Engineering	Research Support	Cryopreservation	Ward, Monika	20,000.00
JABSOM	Science & Engineering	Research Support	COBRE	Yanagihara, Ric	100,000.00
JABSOM	Science & Engineering	Research Support	Eagle-i	Yanagihara, Ric	45,500.00
Law	Humanities, Social Sciences & Arts	Research Support	Faculty Start-Up	Akutagawa, Malia	28,000.00
Law	Humanities, Social Sciences & Arts	Start-Up	Faculty Start-Up	Soifer, Avi	8,000.00

RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Library	Humanities, Social Sciences & Arts	Research Support	Research Support	Najita, Joyce	4,050.00
Library	Humanities, Social Sciences & Arts	Research Support	Faculty Lecture Series	Skillman, Teri	900.00
LLL	Humanities, Social Sciences & Arts	Research Support	Intl Conference on Language Documentation	Bly-Vroman, Robert	5,000.00
Lyon Arboretum	Humanities, Social Sciences & Arts	Facilities/Equipment	Facilities Repairs	Dunn, Christopher	83,882.00
Nat Sci	Science & Engineering	Facilities/Equipment	Snyder Hall Remodling	Alam, Maqsudul	50,000.00
Nat Sci	Science & Engineering	Facilities/Equipment	Magnet	Benett, Kevin	500,000.00
Nat Sci	Science & Engineering	Research Support	PSCU IACUC	Duffy, David	10,140.00
Nat Sci	Science & Engineering	Research Support	AAP Meeting	Learned, John	10,500.00
Nat Sci	Science & Engineering	Research Support	q-bio conference	Nye, Amy	5,000.00
Nat Sci	Science & Engineering	Research Support	Biology Department Support Fund	Robinow, Steven	9,200.00
Nat Sci	Science & Engineering	Research Support	CosPA2013 Conference	Tata, Eerxes	5,000.00
Nat Sci	Science & Engineering	Research Support	Synthesis/Antibody Project	Tius, Marcus	25,000.00

RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Nursing	Science & Engineering	Research Support	Research Infrastructure	Boland, Mary	100,000.00
Nursing	Science & Engineering	Research Support	Research Infrastructure	Boland, Mary	29,000.00
PBRC	Science & Engineering	Research Support	Biomed Renovations	Dunlap, Marilyn	23,673.60
Public Health	Science & Engineering	Research Support	COA Director Search	Maddock, Jay	1,749.71
Public Health	Science & Engineering	Research Support	Faculty Start-Up	Tauaii, Maile	40,000.00
SHK	Hawaiiana	Research Support	Research Support	Beamer	30,000.00
Soc Sci	Humanities, Social Sciences & Arts	Research Support	Faculty Start-Up	Roberts, Michael	30,000.00
Soc Sci	Humanities, Social Sciences & Arts	Start-Up	D. Spirandelli	Spirandelli, Daniele	20,000.00
Social Work	Humanities, Social Sciences & Arts	Research Support	Research Support	Mokuau, Noreen	50,000.00

RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
SOEST	Science & Engineering	Research Support	Research Support	Bidigare, Robert	20,400.00
SOEST	Science & Engineering	Start-Up	Ed DeLong Start-Up	DeLong, Ed	300,000.00
SOEST	Science & Engineering	Research Support	Distinguished Lecture Series	Jahren, Hope	15,000.00
SOEST	Science & Engineering	Research Support	Research	Jahren, Hope	185,001.00
SOEST	Science & Engineering	Research Support	Old Pauley Lab Move	Leong, Jo-Ann	30,500.00
SOEST	Science & Engineering	Research Support	Sustainability	Mouginis-Mark	33,549.00
SOEST	Science & Engineering	Research Support	Steven Stanley Support	Stanley, Steven	95,000.00
SOEST	Science & Engineering	Start-Up	Faculty Start-Up	Taylor, Brian	250,000.00
SOEST	Science & Engineering	Research Support	Leonidas	Taylor, Brian	100,000.00
SOEST	Science & Engineering	Start-Up	Faculty Start-Up	Taylor, Brian	250,000.00
SOEST	Science & Engineering	Research Support	STEM	Taylor, Brian	500,000.00
SOEST	Science & Engineering	Research Support	Administrative Support - Sustainability	Taylor, Brian	29,000.00
SOEST	Science & Engineering	Cost Share	CMORE Cost match	Taylor, Brian	194,303.00

RTRF Commitments (cont.)

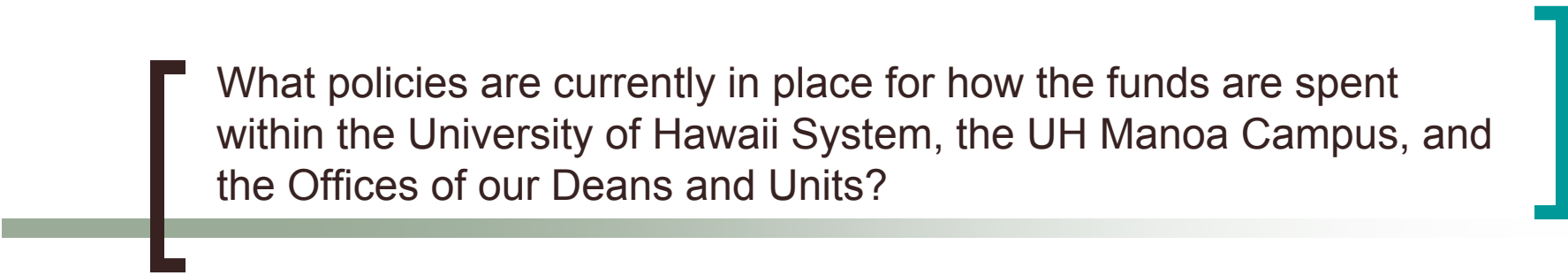
Unit	Discipline	Purpose	Account Title	P.I.	Commitment
SPAS	Humanities, Social Sciences & Arts	Research Support	Director of the Muslim Societies in Asia and the Pacific	Shultz, Edward	40,252.00
URC	Infrastructure	Research Support	Travel Awards for FY 2013	Syrmos, Vassilis	300,000.00
VCR - Administrative	Science & Engineering	Research Support	STEM	Syrmos, Vassilis	100,000.00
VCR - Administrative	Infrastructure	Research Support	Operating Funds	Syrmos, Vassilis	100,000.00
VCR - Bond			CMORE Revenue Bond Payment		1,542,061.47
VCR - Bond			Sinclair Revenue Bond Payment		331,375.89
VCR - Compliance	Infrastructure	Research Support	Accounts Receivables	Ostrander, Gary	99,504.00
VCR - Compliance	Infrastructure	Research Support	ORC Budget	Hu, CY	1,394,150.00
VCR - Compliance	Infrastructure	Research Support	Moving Costs	Hu, CY	37,549.00
VCR - Compliance	Infrastructure	Research Support	Accounts Receivables - Field	Ostrander, Gary	205,516.00

RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
VCR - Facilities	Infrastructure	Facilities/Equipment	Edmonson FFE	Syrmos, Vassilis	413,424.68
VCR - Facilities	Infrastructure	Facilities/Equipment	PHRL	Syrmos, Vassilis	1,050,666.27
VCR - Facilities	Infrastructure	Facilities/Equipment	Webster Hall	Syrmos, Vassilis	21,875.00
VCR - Facilities	Infrastructure	Facilities/Equipment	LAS Cage Wash	Syrmos, Vassilis	120,205.64
VCR - Facilities	Infrastructure	Facilities/Equipment	Coconut Island R&M	Syrmos, Vassilis	71,296.00
VCR - Facilities	Infrastructure	Facilities/Equipment	Faculty Housing	Syrmos, Vassilis	79,109.99
VCR - Facilities	Infrastructure	Facilities/Equipment	Coconut Island R&M	Syrmos, Vassilis	59,951.48
VCR - Facilities	Infrastructure	Facilities/Equipment	Open Syst High Performance Compt Ctr	Syrmos, Vassilis	15,000.00
VCR - Facilities	Infrastructure	Facilities/Equipment	Biomed Renovations	Syrmos, Vassilis	50,000.00

RTRF Commitments (cont.)

Unit	Discipline	Purpose	Account Title	P.I.	Commitment
Waikiki Aquarium	Science & Engineering	Research Support	Research Support	Rossiter, Andrew	1,500.00
WRRC	Science & Engineering	Start-Up	Faculty Start-Up	Kirs, Marek	100,000.00
WRRC	Science & Engineering	Facilities/Equipment	Particle Analyzer	Ray, Chittaranjan	29,742.00
WRRC	Science & Engineering	Facilities/Equipment	Freeze Dryer	Ray, Chittaranjan	10,921.00
WRRC	Science & Engineering	Research Support	WRRC Conference Support	Ray, Chittaranjan	10,000.00
WRRC	Science & Engineering	Research Support	Research Support	Ray, Chittaranjan	23,000.00
					12,738,855.06



What policies are currently in place for how the funds are spent within the University of Hawaii System, the UH Manoa 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 2013, Mānoa generated \$40,642,686 to be distributed in FY 2014. The return to Mānoa in FY 2014 will be \$30,482,015.

[How will these funds be distributed and utilized this year?]

- For FY 2014, 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.)