



**RTRF Report
FY 2010**

**Gary K. Ostrander
Vice Chancellor for Research
& Graduate Education**

Preamble

The return of indirect costs to the University of Hawai'i at Mānoa continues to grow. During FY-09 our faculty generated \$37,146,710 in indirect overhead, a 8.36% increase from FY-08, which was largely expended this past fiscal year (FY-10) ending June 30, 2010. As is customary, after the deduction of some general expenses (e.g. RCUH) 25% of this total was kept at the level of the UH System (\$9,286,677) and 75% returned to Mānoa (\$27,860,032). 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 and Graduate Education for research/scholarship support (e.g. start-up, infrastructure, cost sharing, etc.).

The University of Hawai'i Mānoa continues to maintain vibrant and active research programs with approximately \$355,469,916 in extramural funds in FY-10. The focus of the Office of the Vice Chancellor for Research and Graduate Education 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.

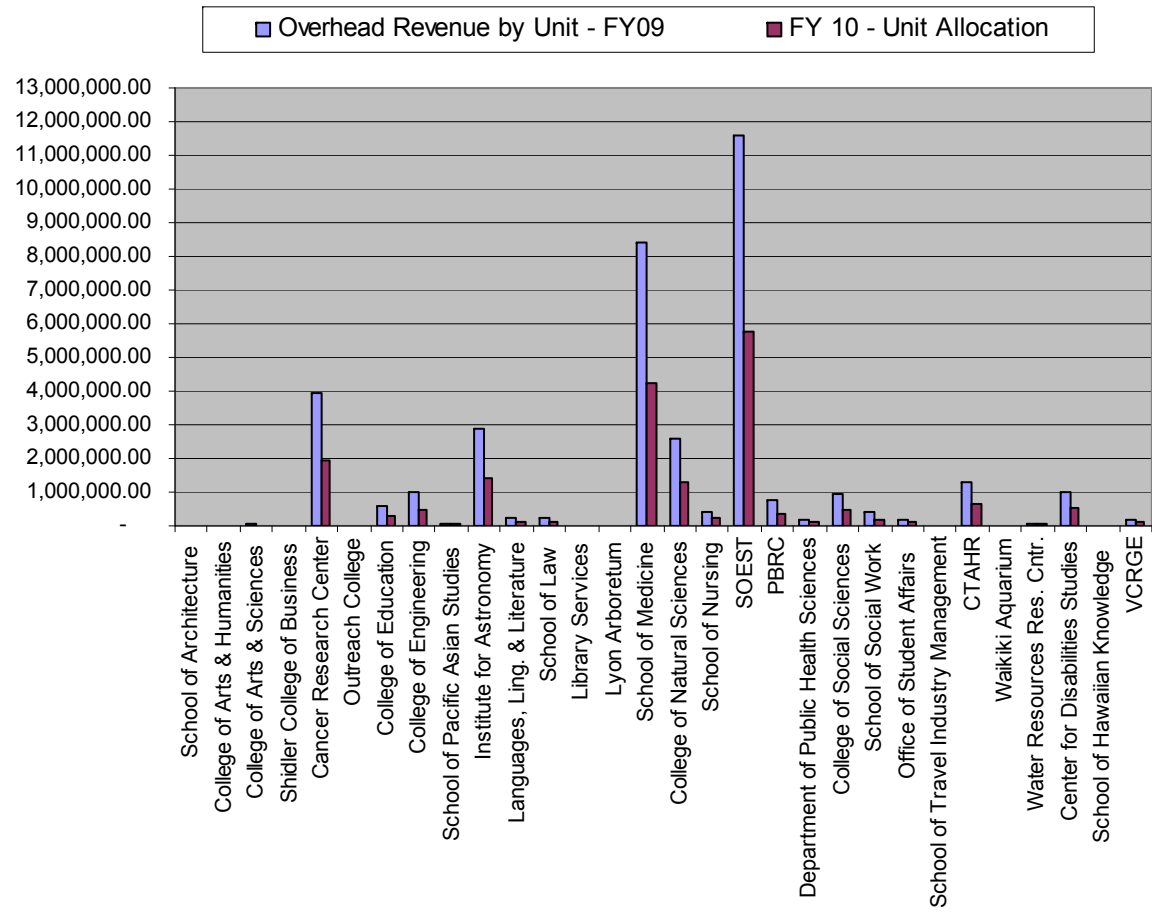
Detailed on the following pages is a summary report for RTRF expenditures for FY-10. The format for this report is as requested by the Senate Executive Committee.

Gary K. Ostrander
Vice Chancellor for Research & Graduate Education

How much RTRF is returned to Mānoa each year?

	FY 2006		FY 2007		FY 2008		FY 2009		FY 2010	
	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
Mānoa's Overhead Generated		28,767,841		30,756,085		32,263,743		34,279,595		37,146,710
Adjustments:										
Less: JABSOM (Presidential Commitment for FY 06 and FY 07)		5,491,961		6,034,140						
TOTAL		<u>23,275,880</u>		<u>24,721,945</u>		<u>32,263,743</u>		<u>34,279,595</u>		<u>37,146,710</u>
System	25%	5,818,970	25%	6,240,492	25%	7,999,124	25%	8,205,007	25%	9,286,678
Mānoa	75%	17,456,990	75%	18,481,453	75%	24,264,619	75%	26,074,588	75%	27,860,032
TOTAL	100%	<u>23,275,960</u>	100%	<u>24,721,945</u>	100%	<u>32,263,743</u>	100%	<u>34,279,595</u>	100%	<u>37,146,710</u>
Mānoa's Allocation		17,456,990		18,481,453		24,264,619		26,074,588		27,860,032
Adjustments:										
Add: JABSOM's 75% Mānoa's share		4,118,891		4,525,605		-		-		-
TOTAL Mānoa Allocation from System		<u>21,575,881</u>		<u>23,007,058</u>		<u>24,264,619</u>		<u>26,074,588</u>		<u>27,860,032</u>
Directly Returned to Units	67%	14,383,921	67%	15,378,042	66%	16,131,871	66%	17,139,796	67%	18,573,355
Adjustments:										
Add: JABSOM 25% System share given back to Mānoa for JABSOM Distribution (FY 06 & FY 07)		1,372,910		1,508,536						
		<u>15,756,831</u>		<u>16,886,578</u>		<u>16,131,871</u>		<u>17,139,796</u>		<u>18,573,355</u>
Retained for Distribution by the Mānoa Chancellor's Office		<u>5,819,050</u>		<u>6,120,480</u>		<u>8,132,748</u>		<u>8,934,792</u>		<u>9,286,677</u>

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



RTRF Revenue/Allocation

UNIT	Overhead Revenue by Unit - FY09	FY 10 - Unit Allocation	Less: Adjustment for Accts Receivables	Add: TA Support	Final FY10 UNIT ALLOC
School of Architecture	3,368.34	1,684			1,684
College of Arts & Humanities	8,875.03	4,438		56,617	61,055
College of Arts & Sciences	42,010.37	21,005			21,005
Shidler College of Business	29,134.63	14,567		597	15,164
Cancer Research Center	3,939,275.34	1,969,638	28,140		1,941,498
Outreach College	2,062.13	1,031			1,031
College of Education	595,187.44	297,593	12,108	14,283	299,768
College of Engineering	983,725.58	491,863	4,821	11,765	498,807
School of Pacific Asian Studies	76,016.98	38,008		3,898	41,906
Institute for Astronomy	2,880,612.48	1,440,306	13,290		1,427,016
Languages, Ling. & Literature	259,283.77	129,642	2,347	79,984	207,279
School of Law	232,771.10	116,386			116,386
Library Services	16,011.32	8,006			8,006
Lyon Arboretum	879.69	440			440
School of Medicine	8,428,145.75	4,214,073	(32,324)	1,092	4,247,489
College of Natural Sciences	2,573,292.53	1,286,646	5,589	78,090	1,359,147
School of Nursing	423,466.64	211,733	878	2,185	213,040
SOEST	11,571,929.30	5,785,965	60,052	3,214	5,729,127
PBRC	750,794.56	375,397	12,050		363,347
Department of Public Health Sciences	193,949.76	96,975	2,820		94,155
College of Social Sciences	965,173.56	482,587	15,372	46,800	514,015

RTRF Revenue/Allocation (cont.)

UNIT	Overhead Revenue by Unit - FY09	FY 10 - Unit Allocation	Less:		Final FY10 UNIT ALLOC
			Adjustment for Accts Receivables	Add: TA Support	
School of Social Work	384,657.14	192,329	3,526		188,803
Office of Student Affairs	179,498.40	89,749	5,632		84,117
School of Travel Industry Management	767.89	384	384		-
CTAHR	1,285,244.42	642,622	40,404	19,568	621,786
Waikiki Aquarium	2,121.90	1,061			1,061
Water Resources Res. Cntr.	88,231.34	44,116	4,949		39,167
Center for Disabilities Studies	1,018,680.61	509,340	10,431		498,909
School of Hawaiian Knowledge	19,461.31	9,731		7,405	17,136
VCRGE	192,080.96	96,040			96,040
TOTAL Mānoa	37,146,710.27	18,573,355	190,469	325,498	18,708,384

What was the amount of RTRF funds expended by the VCRGE for FY-10 (i.e. the 25%)?

- \$6,523,757.37

VCRGE-RTRF Commitments at Manoa for FY-10

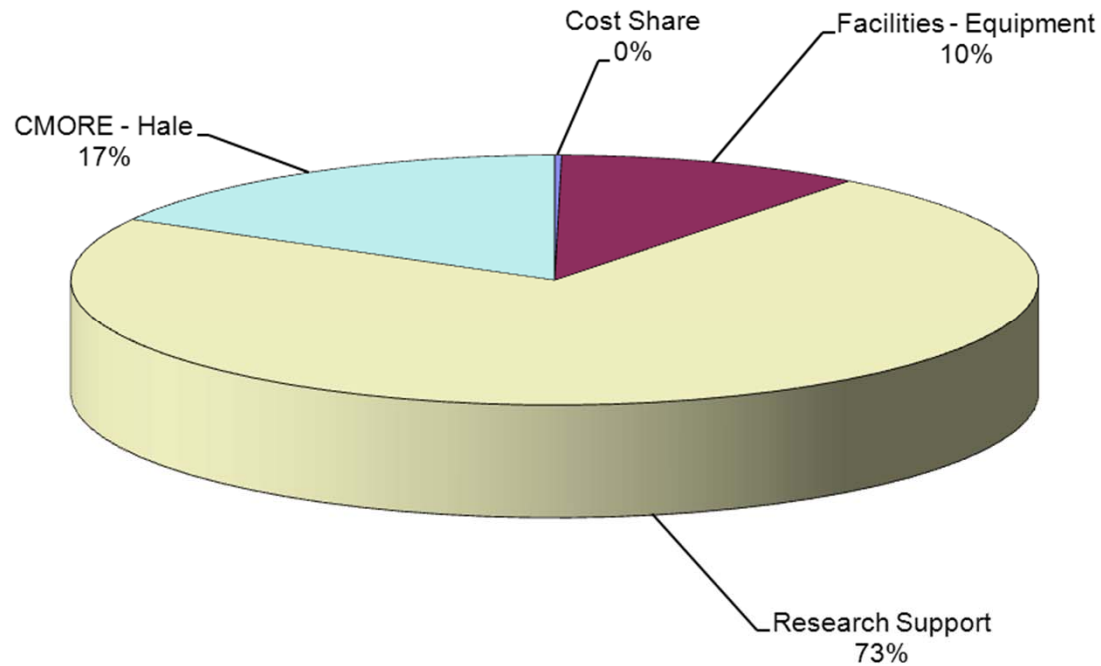
RTRF Commitments For Mānoa

As of June 30, 2010

By Category

Purpose	Total
Cost Share	15,000.00
Facilities - Equipment	665,990.30
Research Support	4,738,301.12
CMORE - Hale	1,104,465.95
Grand Total	6,523,757.37

How were the VCRGE-RTRF funds committed in FY 2010?

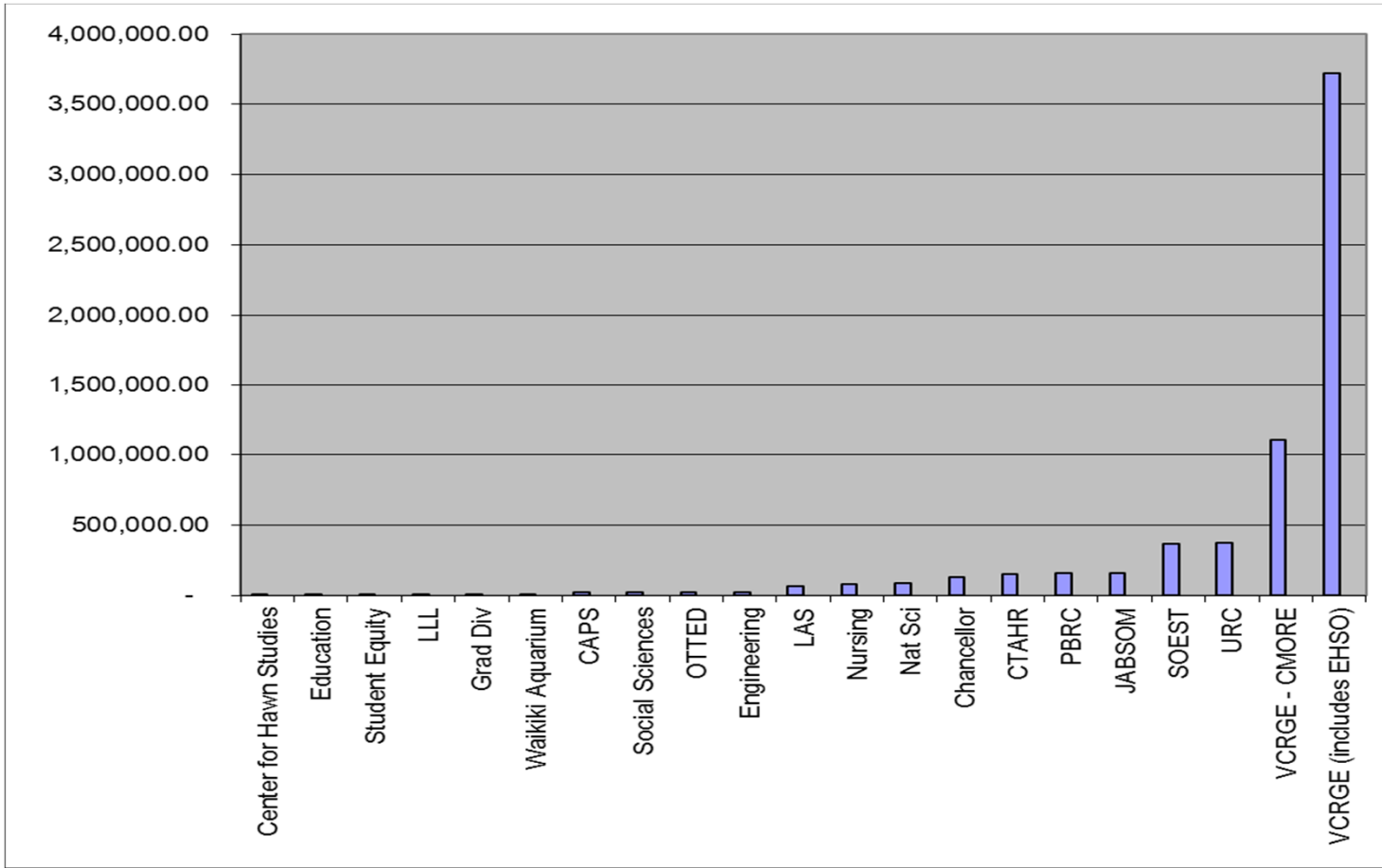


Summary of VCRGE – RTRF Commitments to the Units

Department	Amount	%
Center for Hawn Studies	1,750.00	0.027%
Education	2,250.00	0.034%
Student Equity	4,500.00	0.069%
LLL	5,600.00	0.086%
Grad Div	6,000.00	0.092%
Waikiki Aquarium	8,685.00	0.133%
CAPS	20,000.00	0.307%
Social Sciences	21,675.00	0.332%
OTTED	24,000.00	0.368%
Engineering	24,903.86	0.382%
LAS	68,303.00	1.047%
Nursing	78,412.58	1.202%
Nat Sci	88,919.99	1.363%
Chancellor	131,438.00	2.015%
CTAHR	150,000.00	2.299%
PBRC	158,900.00	2.436%
JABSOM	161,888.54	2.482%
SOEST	363,186.45	5.567%
URC	373,750.00	5.729%
VCRGE - CMORE	1,104,465.95	16.930%
VCRGE (includes EHSO)	3,725,129.00	57.101%
Grand Total	6,523,757.37	100.000%

- VCRGE – CMORE
\$1,104,465.95 is the repayment of revenue bond interest for CMORE-Hale (this is a 30 year commitment).
- VCRGE – Includes
\$1,599,802 for EHSO operations

Summary of VCRGE – RTRF Commitments to the Units



VCRGE-RTRF Commitments

5 Largest Programs

	Cost Share	Facilities - Equipment	Research Support	Grand Total
JABSOM		53,401.86	108,486.68	161,888.54
SOEST	15,000.00		348,186.45	363,186.45
URC			373,750.00	373,750.00
VCRGE - CMORE		1,104,465.95		1,104,465.95
VCRGE (includes EHSO)		359,897.00	3,365,232.00	3,725,129.00
	15,000.00	1,517,764.81	4,195,655.13	5,728,419.94

[How were these commitments
utilized?]

- Utilization is detailed in the next few slides.

RTRF Commitments (As of June 30, 2010)

College	Dicipline	Purpose	Account Title	P.I.	Commitment
CAPS	Infrasructure	Research Support	GSO Travel Fund	Kirk-Kuwaye, Christine	20,000.00
Center for Hawn Studies	Humanities, Social Scienc	Research Support	UN Conference	Kame'eleihiwa, Lilikala	1,750.00
VCRGE	Infrasructure	Research Support	Center on Aging	Browne, Colette	100,000.00
VCRGE - CMORE	Infrasructure	CMORE	CMORE revenue bond	Ostrander, Gary	1,104,465.95
VCRGE	Infrasructure	Research Support	EHSO	Takekawa, Roy	1,599,802.00
VCRGE	Infrasructure	Research Support	CHS	Dendle, William	275,070.00
VCRGE	Infrasructure	Research Support	CHS Support	Fong, Yaa-Yin	35,360.00
VCRGE	Infrasructure	Research Support	FY 2010 VCRGE Office Admin	Ostrander, Gary	600,000.00
VCRGE	Infrasructure	Aquaculture	FY 2010 Aquaculture	Ostrander, Gary	300,000.00
VCRGE	Infrasructure	Research Support	FY 2010 - Compliance	Perkins, Frank	170,000.00
VCRGE	Infrasructure	Facilities / Equipment	Biomedical Renovations	Syrmos, Vassilis	125,000.00
VCRGE	Infrasructure	Research Support	Hawai'i Open Source Computing	Syrmos, Vassilis	200,000.00
VCRGE	Infrasructure	Facilities / Equipment	Architectural - KECK	Syrmos, Vassilis	234,897.00
VCRGE	Infrasructure	Research Support	Undergraduate Summer Rsch	Syrmos, Vassilis	35,000.00
VCRGE	Science & Engineering	Research Support	APIX	Syrmos, Vassilis	50,000.00
Chancellor	Infrastructure	Research Support	Space Survey	Crispin, Eric	131,438.00

RTRF Commitments (cont.)

College	Dicipline	Purpose	Account Title	P.I.	Commitment
CTAHR	Humanities, Social Scienc	Research Support	Genomics/Bioinformatics Support	Presting, Gernot	150,000.00
Education	Humanities, Social Scienc	Research Support	FY 2010 PESA Conference	Hitz, Randy	2,250.00
Engineering	Science & Engineering	Facilities / Equipment	A/E Design Services	Crouch, Peter	24,903.86
Graduate Division	Infrasructure	Research Support	Research Support	Garrod, Peter	6,000.00
JABSOM	Science & Engineering	Research Support	Administrative Support	Hedges, Jerris	42,665.00
JABSOM	Science & Engineering	Facilities / Equipment	BSB Vivarium Room Post Construction	Hedges, Jerris	53,401.86
JABSOM	Science & Engineering	Research Support	Autoclave Maintenance	Ward, Steven	5,821.68
JABSOM	Science & Engineering	Research Support	Mercury Funding	Easa, David	60,000.00
LAS	Infrasructure	Research Support	Mānoa Per Diem Subsidy	Kondo, Sylvia	45,000.00
LAS	Science & Engineering	Research Support	Research Support	Kondo, Sylvia	23,303.00
LLL	Humanities, Social Scienc	Research Support	Language Documentation Training Center	Rehg, Kenneth	5,600.00
Nat Sci	Science & Engineering	Research Support	Bridging Funds	Robinow, S.	12,419.99
Nat Sci	Science & Engineering	Facilities / Equipment	St John Renovations	Smith, Celia	20,000.00
Nat Sci	Science & Engineering	Research Support	NEON Annual Membership	Giambelluca, Thomas	1,000.00
Nat Sci	Science & Engineering	Research Support	IACUC	Duffy, David	10,500.00
Nat Sci	Science & Engineering	Research Support	Research Bridging	Kumashiro, Kristin	20,000.00
Nat Sci	Science & Engineering	Research Support	GA support	Hemscheidt, Thomas	25,000.00

RTRF Commitments (cont.)

College	Dicipline	Purpose	Account Title	P.I.	Commitment
Nursing	Humanities, Social Scienc	Facilities / Equipment	Renovations	Boland, Mary	78,412.58
OTTED	Infrasructure	Research Support	Kaunana	Ishii, Dan	24,000.00
PBRC	Science & Engineering	Facilities / Equipment	Confocal Microscope	Dunlap, Marilyn	101,000.00
PBRC	Science & Engineering	Research Support	Biological EM Facility	Dunlap, Marilyn	45,000.00
PBRC	Science & Engineering	Facilities / Equipment	Autoclave Repair Fund	Lu, Yuanan	3,000.00
PBRC	Science & Engineering	Facilities / Equipment	TEM Chiller	Dunlap, Marilyn	9,900.00
Social Sciences	Humanities, Social Scienc	Research Support	Research Support	Chesney-Lind, Meda	15,475.00
Social Sciences	Humanities, Social Scienc	Research Support	Research Support	Chesney-Lind, Meda	500.00
Social Sciences	Science & Engineering	Research Support	UHERO	Burnett, Kimberly	5,700.00
SOEST	Science & Engineering	Research Support	DLNR/Kahea Lawsuit	Taylor, Brian	10,000.00
SOEST	Science & Engineering	Research Support	Research Support	Jahren, Hope	245,602.00
SOEST	Science & Engineering	Research Support	Acquition of IRMS Instruments	Jahren, Hope	70,000.00
SOEST	Science & Engineering	Research Support	Helsley	Taylor, Brian	12,584.45
SOEST	Science & Engineering	Research Support	Chile Earthquake Rapid Response	Brooks, Ben	10,000.00
SOEST	Science & Engineering	Cost Share	HF Radar at Barbers Point	Taylor, Brian	15,000.00

RTRF Commitments (cont.)

College	Dicipline	Purpose	Account Title	P.I.	Commitment
Student Equity	Humanities, Social Scienc	Research Support	NGSO	Goo, Maile	4,500.00
URC	Infrasructure	Research Support	Research Relations Operating	McArthur, Harold	20,000.00
URC	Infrasructure	Research Support	Faculty Travel	McArthur, Harold	300,000.00
URC	Infrasructure	Research Support	Distinguished Lecture Series	Jahren, Hope	43,700.00
URC	Infrasructure	Research Support	UHM Faculty Lecture Series	McArthur, Harold	1,800.00
URC	Infrasructure	Research Support	Spring Undergrad Rsch Symposium	McArthur, Harold	6,000.00
URC	Infrasructure	Research Support	Student Excellence in Rsch	McArthur, Harold	2,250.00
Waikiki Aquarium	Science & Engineering	Research Support	Administrative Support	Rossiter, Andrew	8,685.00
					6,523,757.37

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 VCRGE.
- Any deviation in expenditure must be approved by the VCRGE.

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

- The VCRGE is directed to spend RTRF to support the research infrastructure of Manoa.
- A primary focus of the VCRGE 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 2010, Mānoa generated \$37,674,823.71 to be distributed in FY 2010. The return to Mānoa in FY 2010 will be \$28,256,118.

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

- The same formula will be used for FY 2011. 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.).