



RTRF Report FY 2008

**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-07 our faculty generated \$32,263,743 in indirect overhead, a 3.64% increase from FY-06, which was largely expended this past fiscal year (FY-08) ending June 30, 2008. 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 (\$7,999,124) and 75% returned to Mānoa (\$24,264,619). 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.).

Detailed on the following pages is a summary report for RTRF expenditures for FY-08. The format for this report is as requested by the Senate Executive Committee.

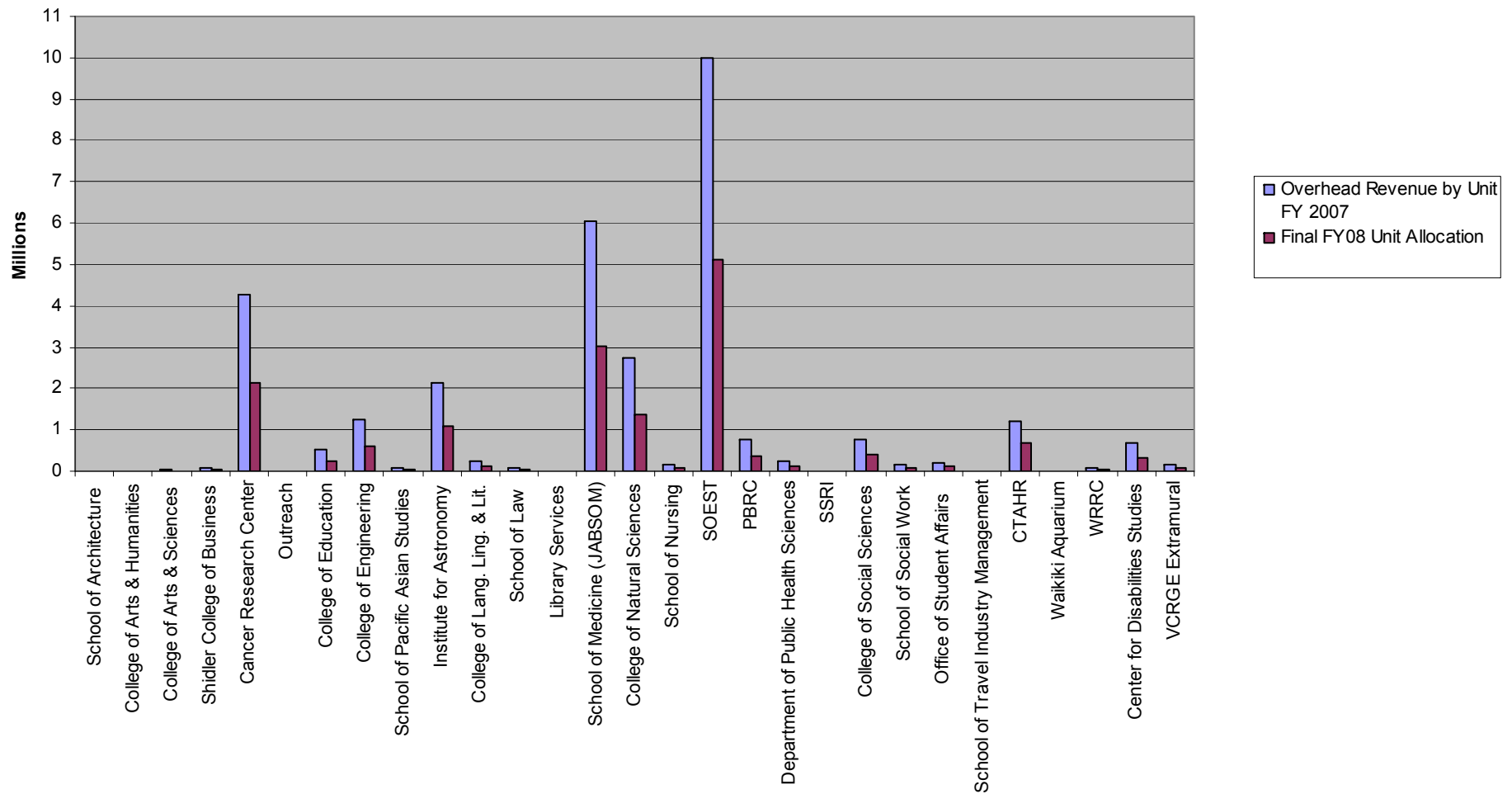
Federal funding for research has decreased. However, the University of Hawai‘i Manoa continues to maintain vibrant and active research programs with approximately \$348,000,000 in research funds in FY-08. Presently, the federal funding picture is not very clear as significant federal dollars continue to flow to the war. Nonetheless, the focus of the Office of the Vice Chancellor for Research and Graduate Education will be using these funds toward increasing the quality and quantity of the research/scholarship across the institution.

Gary K. Ostrander
Vice Chancellor for Research &
Graduate Education

How much RTRF is returned to Mānoa each year?

	FY 2004		FY 2005		FY 2006		FY 2007		FY 2008	
	%	Amount	%	Amount	%	Amount	%	Amount	%	Amount
Mānoa's Overhead Generated		24,606,410		27,114,339		28,767,841		30,756,085		32,263,743
Adjustments:										
Less: JABSOM (Presidential Commitment for FY 06 and FY 07)						5,491,961		6,034,140		
TOTAL		<u>24,606,410</u>		<u>27,114,339</u>		<u>23,275,880</u>		<u>24,721,945</u>		<u>32,263,743</u>
System	10%	2,441,265	20%	5,422,868	25%	5,818,970	25%	6,240,492	25%	7,999,124
Mānoa	90%	22,165,145	80%	21,691,471	75%	17,456,990	75%	18,481,453	75%	24,264,619
TOTAL	100%	<u>24,606,410</u>	100%	<u>27,114,339</u>	100%	<u>23,275,960</u>	100%	<u>24,721,945</u>	100%	<u>32,263,743</u>
Manoa's Allocation		22,165,145		21,691,470		17,456,990		18,481,453		24,264,619
Adjustments:										
Add: JABSOM's 75% Mānoa's share						4,118,891		4,525,605		-
TOTAL Mānoa Allocation from System		<u>22,165,145</u>		<u>21,691,470</u>		<u>21,575,881</u>		<u>23,007,058</u>		<u>24,264,619</u>
Directly Returned to Units	63%	13,860,096	67%	14,460,981	67%	14,383,921	67%	15,378,042	66%	16,131,871
Adjustments:										
Add: JABSOM 25% System share given back to Mānoa for JABSOM Distribution (FY 06 & FY 07)						1,372,910		1,508,536		
		<u>13,860,096</u>		<u>14,460,981</u>		<u>15,756,831</u>		<u>16,886,578</u>		<u>16,131,871</u>
Retained for Distribution by the Mānoa Chancellor's Office		<u>8,305,049</u>		<u>7,230,489</u>		<u>5,819,050</u>		<u>6,120,480</u>		<u>8,132,748</u>

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



RTRF Revenue/Allocation

UNIT	RTRF Revenue by Unit FY07	FY08 UNIT ALLOC.	Adjustment for Accts Receivables	Final FY08 UNIT ALLOC
School of Architecture	2,830	1,415		1,415
College of Arts & Humanities	10,725	5,363		5,363
College of Arts & Sciences	25,666	12,833		12,833
Shidler College of Business	68,784	34,392		34,392
Cancer Research Center	4,272,938	2,136,469	23,399	2,113,070
Outreach	3,982	1,991		1,991
College of Education	510,106	255,053	11,705	243,348
College of Engineering	1,231,004	615,502	4,821	610,681
School of Pacific Asian Studies	79,276	39,638		39,638
Institute for Astronomy	2,146,587	1,073,294	13,290	1,060,004
College of Lang. Ling. & Lit.	224,399	112,199	2,347	109,852
School of Law	78,565	39,282		39,282
Library Services	776	388		388
School of Medicine (JABSOM)	6,049,008	3,024,504	28,838	2,995,666
College of Natural Sciences	2,727,472	1,363,736	5,589	1,358,147
School of Nursing	162,090	81,045	878	80,167
SOEST	10,250,895	5,125,448	57,586	5,067,862
PBRC	754,290	377,145	11,789	365,356
Department of Public Health Sciences	228,284	114,142	2,752	111,390

RTRF Revenue/Allocation (cont.)

SSRI	643	322	322	0
College of Social Sciences	766,934	383,467	13,655	369,812
School of Social Work	176,684	88,342	2,894	85,448
Office of Student Affairs	216,321	108,160	5,588	102,572
School of Travel Industry Management	3,597	1,799	1,799	0
CTAHR	1,333,353	666,676	38,680	627,996
Waikiki Aquarium	2,034	1,017		1,017
WRRC	82,823	41,411	4,761	36,650
Center for Disabilities Studies	676,999	338,499	10,432	328,067
VCRGE Extramural	176,677	88,339		88,339
TOTAL Manoa	\$32,263,743.38	\$16,131,871.00	\$241,125.00	\$15,890,746.00
RTRF Returned to Mānoa			75%	\$24,264,619
RTRF Returned to Units (2/3 of Mānoa)			2/3	\$16,131,871
Mānoa Chancellors Office (1/3 of Mānoa)			1/3	\$8,132,748

What was the amount of RTRF funds
expended by the VCRGE for FY-08 (i.e. the
25%)?

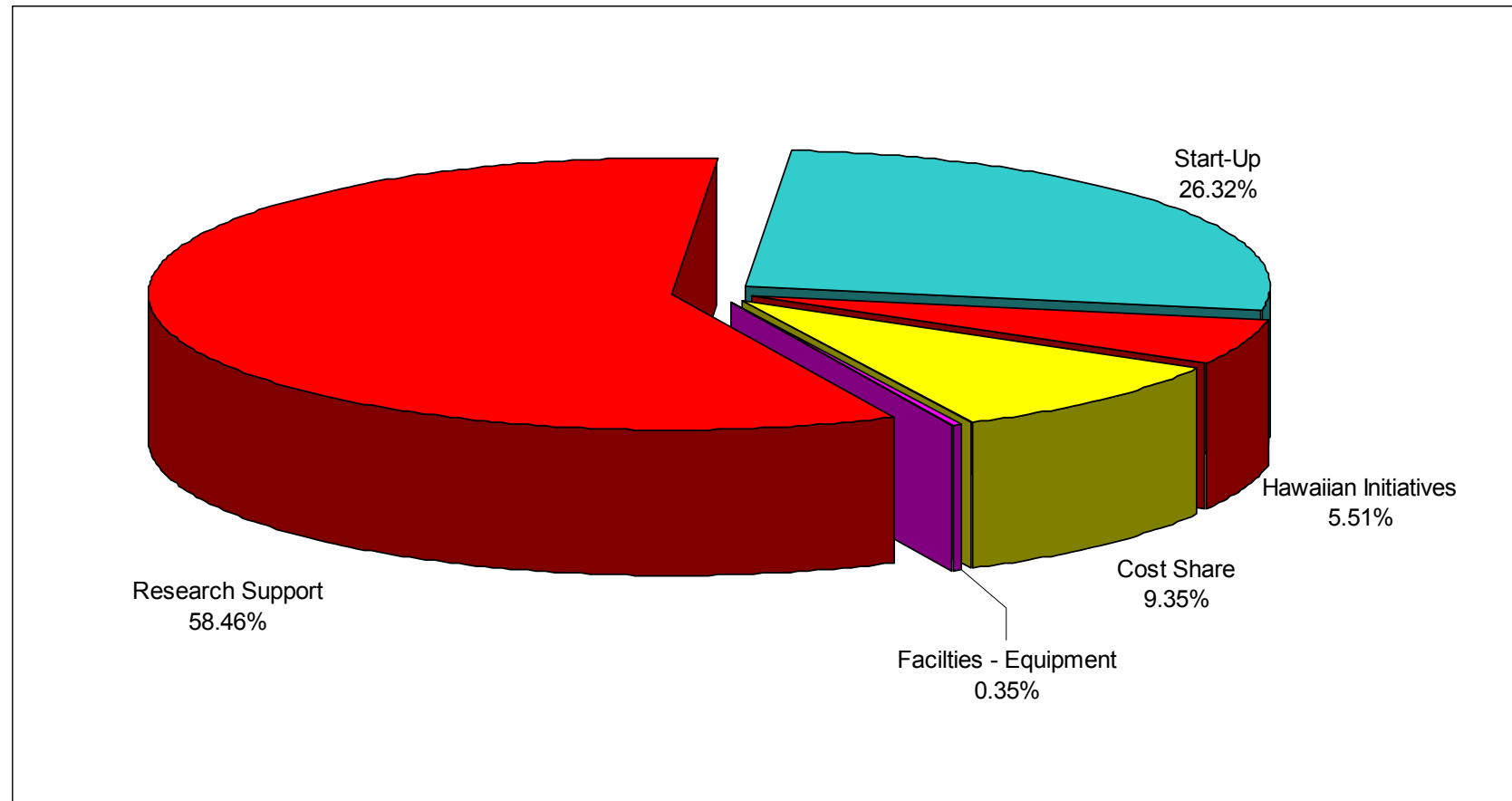
- \$7,171,594.08

VCRGE-RTRF Commitments at Manoa for FY-08

Purpose	Total
Cost Share	670,430.00
Facilities - Equipment	25,400.00
Research Support	4,192,804.54
Start-Up	1,887,479.54
Hawaiian Initiatives	395,480.00
Grand TOTAL	7,171,594.08

RTRF Commitments For Mānoa
As of June 30, 2008
By Category

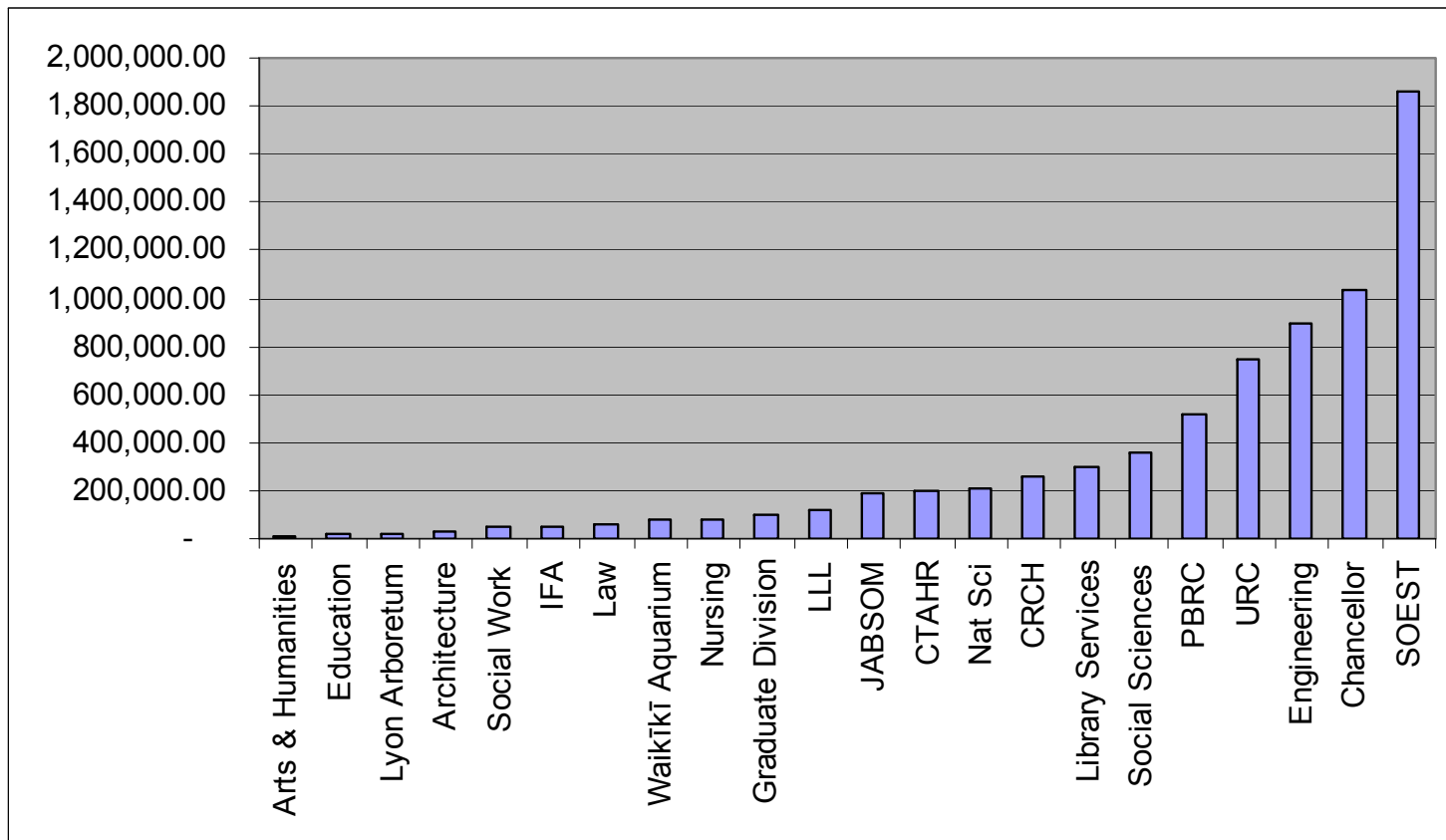
How were the VCRGE-RTRF funds committed in FY 2008?



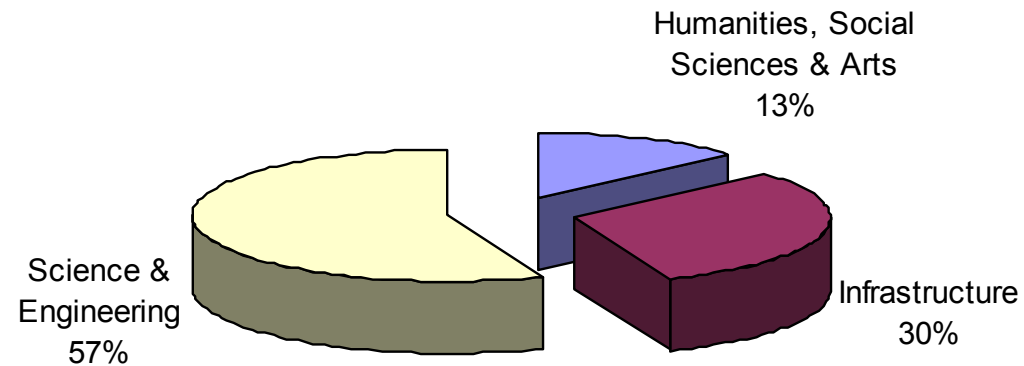
Summary of VCRGE – RTRF Commitments to the Units

Department	Amount	%
Arts & Humanities	5,000.00	0.070%
Education	15,000.00	0.209%
Lyon Arboretum	17,400.00	0.243%
Architecture	25,000.00	0.349%
Social Work	50,000.00	0.697%
IFA	50,073.48	0.698%
Law	60,000.00	0.837%
Waikīkī Aquarium	79,500.00	1.109%
Nursing	84,000.00	1.171%
Graduate Division	100,000.00	1.394%
LLL	115,000.00	1.604%
JABSOM	184,400.00	2.571%
CTAHR	203,000.00	2.831%
Nat Sci	213,473.66	2.977%
CRCH	257,000.00	3.584%
Library Services	300,000.00	4.183%
Social Sciences	358,372.40	4.997%
PBRC	515,631.00	7.190%
URC	750,000.00	10.458%
Engineering	894,975.00	12.479%
Chancellor	1,032,122.00	14.392%
SOEST	1,861,646.54	25.959%
Grand Total	7,171,594.08	100.000%

Summary of VCRGE – RTRF Commitments to the Units



VCRGE-RTRF Commitments by Discipline



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* Includes funding for cost-share on equipment for UH core facilities.

[How were these commitments utilized?]

- Utilization is detailed in the next few slides.

RTRF Commitments

(As of June 30, 2008)

College	Purpose	Account Title	P.I.	Commitment
Architecture	Research Support	Hi Design Rsch Center	Yeh, Raymond	25,000.00
Arts & Humanities	Research Support	Int'l Brecht Socieity Symposium	Bingham, Tom	5,000.00
Chancellor	Research Support	Art Exhibition	Ostrander, Gary	90,000.00
Chancellor	Research Support	Graduate Student Research	Kirk-Kuwaye, Christine	25,000.00
Chancellor	Research Support	VCRGE Office	Ostrander, Gary	527,020.00
Chancellor	Hawaiian Initiatives	VCRGE Office	Ostrander, Gary	62,980.00
Chancellor	Hawaiian Initiatives	Oiwi Ake Akamai Fellowship	Ostrander, Gary	112,500.00
Chancellor	Research Support	Faculty & Scholar Immigration Services	Cutshaw, Kathy	119,622.00
Chancellor	Research Support	Biomedical Building Renovations	Lau, Edward	45,000.00
Chancellor	Research Support	Compliance	Perkins, Frank	50,000.00
CRCH	Research Support	Cancer Research Center - Kaka'ako	Ostrander, Gary	250,000.00
CRCH	Research Support	CRCH - JABSOM Master Plan	Ostrander, Gary	7,000.00
CTAHR	Research Support	Aquaculture Coordinator Search	Hashimoto, Andrew	7,000.00
CTAHR	Research Support	GA Bridge Funding	Hashimoto, Andrew	175,000.00
CTAHR	Research Support	IGEM 2008 Team Funding	Hashimoto, Andrew	21,000.00

RTRF Commitments (cont.)

Education	Start-Up	Faculty Start-up	Sorensen, Christine	15,000.00
Engineering	Start-Up	Faculty Start-up	Crouch, Peter	229,225.00
Engineering	Cost Share	Matching Funds, NSF computer	Kim, Albert	20,000.00
Engineering	Research Support	Research Experience for Teachers - Middle School	Iskander, Magdy	25,000.00
Engineering	Research Support	Post Doc	Cao, Anyuan	19,500.00
Engineering	Start-Up	Start-Up for Various	Crouch, Peter	600,000.00
Engineering	Research Support	Sponsorship - 2008 EUV Lithography Conference	Crouch, Peter	1,250.00
Graduate Division	Research Support	Graduate Division Support	Garrod, Peter	100,000.00
IFA	Research Support	NASA - The Origin, History and Distribution of Water and its Relation to Life in the Universe	Meech, Karen	50,000.00
IFA	Research Support	NAI: Outreach Coordinator Support	Meech K.	73.48
JABSOM	Research Support	Bridging Support - JABSOM	Ward, W. Steven	6,200.00
JABSOM	Hawaiian Initiatives	Center for Native and Pacific Health Disparities Research	Mau, Marjorie	160,000.00
JABSOM	Cost Share	IMSD Grant - JABSOM	Haymer, David	13,200.00
JABSOM	Research Support	SSR Meeting - JABSOM	Ward, W. Steven	5,000.00
Law	Hawaiian Initiatives	Miller and Native Hawaiian Issues	Soifer, Avi	60,000.00

RTRF Commitments (cont.)

Library Services	Research Support	Science Direct Subscription	Anderson, K	300,000.00
LLL	Research Support	Language Documentation Training Center	Rehg, Kenneth	10,000.00
LLL	Start-Up	Start-Up - LLL	Onnis, Luca	105,000.00
Lyon	Facilities - Equipment	Greenhouse Roof Repairs	Dunn, Christopher	17,400.00
Nat Sci	Research Support	Chemistry TA Stipends	Hemscheidt, Thomas	16,000.00
Nat Sci	Research Support	GIS Lab	Duffy, David	12,000.00
Nat Sci	Research Support	Rats Conference	Drake, Donald	465.66
Nat Sci	Research Support	Physics Vertical Machining Center	Gorham, Peter	10,000.00
Nat Sci	Research Support	National Ecological Observatory Network (NEON) Membership	Duffy, David	2,500.00
Nat Sci	Cost Share	EPR Spectrometer	Vicic, David	40,500.00
Nat Sci	Research Support	Albert L. Tester Memorial Symposium - 2008	Carlton, David	500.00
Nat Sci	Research Support	IACUC Position	Duffy, David	18,540.00
Nat Sci	Research Support	Laser Tweezer and Catapulting system	Donachie	20,000.00
Nat Sci	Research Support	Super B Detector Prototypes	Teramura, Alan	8,850.00
Nat Sci	Cost Share	Upgrade of NMR Spectrometer	Niemczura, Walter	75,000.00

[RTRF Commitments (cont.)]

Nat Sci	Research Support	Biology and Math Grant	Wilson, Lee	1,118.00
Nat Sci	Facilities - Equipment	BSL-3 Equipment	Hoang, Tong	8,000.00
Nursing	Research Support	'ohana and Self-Management for Chronic Illness	Inouye, Jillian	84,000.00
PBRC	Research Support	Renovation - PBRC / Soc. Sci.	Dunn, Adrian	55,326.00
PBRC	Research Support	Relaxin Conference - JABSOM	Bryant Greenwood, Gillian	1,500.00
PBRC	Cost Share	MRI Proposal	Martindale, Mark	265,000.00
PBRC	Research Support	Biological EM Facility - PBRC	Dunlap, Mariyn	62,075.00
PBRC	Cost Share	Major Research Instrumentation Program	Dunlap, Mariyn	131,730.00
Social Sciences	Research Support	Research Support	Lind, Meda	72,372.40
Social Sciences	Research Support	NDPTC Proposal Support	Kim, Karl	10,000.00
Social Sciences	Start-Up	Start-Up - Social Sciences	Dubanoski, Richard	60,000.00
Social Sciences	Start-Up	Start-Up - Social Sciences	Beilman, Dave	60,000.00
Social Sciences	Start-Up	Start-Up - Social Sciences	Goeg, Lortie	66,000.00
Social Work	Cost Share	Infrastructure Support For Social Work	Matsuoka, Jon	50,000.00

[RTRF Commitments (cont.)]

SOEST	Cost Share	Microprobe Cost match Request	Fletcher, Charles	75,000.00
SOEST	Start-Up	Start-Up - SOEST	Taylor, Brian	100,000.00
SOEST	Research Support	Mission Control Center - LEONIDAS	Mouginis Mark, Peter	40,000.00
SOEST	Research Support	SOEST	Stanley, Steve	64,938.14
SOEST	Research Support	Research Support	Taylor, Brian	58,303.86
SOEST	Research Support	LEONIDAS	Taylor, Brian	200,000.00
SOEST	Start-Up	Start-Up - SOEST	Fletcher, Chip	2,254.54
SOEST	Start-Up	Start-Up - SOEST	Jahren, Hope	450,000.00
SOEST	Research Support	CMORE	Karl, S.	611,250.00
SOEST	Start-Up	Start-Up - SOEST	Howe, Bruce	200,000.00
SOEST	Research Support	Oceans and Human Health Annual Meeting	Laws, Edward	10,000.00
SOEST	Research Support	PRCMB support	Laws, Edward	49,900.00
SSRI	Research Support	MHSRET Rental	Wylie, Michael	90,000.00

[RTRF Commitments (cont.)]

URC	Research Support	Research Relations Awards	McArthur, Harold	100,000.00
URC	Research Support	Research Relations Operating	McArthur, Harold	22,000.00
URC	Research Support	FY 208 Faculty Travel	McArthur, Harold	450,000.00
URC	Research Support	Community of Science	McArthur, Harold	15,000.00
URC	Research Support	Innov Schol & Creative Works	McArthur, Harold	163,000.00
Waikīkī Aquarium	Research Support	Administrative Assistant	Rossiter, Andrew	69,900.00
Waikīkī Aquarium	Research Support	Storage	Rossiter, Andrew	9,600.00
				<u>7,171,594.08</u>



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 2008, Mānoa generated \$34,289,009.58 to be distributed in FY 2009. The return to Mānoa in FY 2009 will be approximately \$25,716,757.

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

- The same formula will be used for FY 2010. 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.).