

The background of the slide features a large, light gray watermark of the University of Hawaii seal. The seal is circular and contains a central torch with a flame, set against a background of a stylized mountain range. The text "UNIVERSITY OF HAWAII" is written in an arc at the top, and "I, I, I KA PONO" is written in an arc at the bottom. The year "1907" is positioned at the bottom center of the seal. The Hawaiian name "UNIVERSITY OF HAWAII" is also written in a smaller arc across the middle of the seal.

RTRF Report FY 2017 - FY 2021

VASSILIS L. SYRMOS
VICE PRESIDENT FOR RESEARCH AND INNOVATION



Preamble

The University of Hawai'i continues to maintain vibrant and active research programs. The focus of the Office of the Vice President for Research and Innovation (OVPRI) 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.

Indirect cost (IDC) rates are negotiated by the University of Hawai'i between the Office of Research Services and the U.S. Department of Health and Human Services. The IDC is applied to extramural awards received by the University.

Hawai'i Revised Statutes Section 304A-2253, Research and Training Revolving Fund (RTRF), established a University of Hawai'i research and training revolving fund into which 100% of the total amount of the indirect overhead revenues generated by the university is deposited into this account. RTRF is distributed to the campuses based on the prior year revenue. The RTRF is distributed by the OVPRI in which 25% is reserved at the System level, and 75% is allocated to the campuses.

Detailed on the following pages is a summary report on an accrual basis for RTRF allocations and investments.

Vassilis L. Syrmos
Vice President for Research and Innovation



Annual RTRF Distribution to Campuses

	FY 2017		FY 2018		FY 2019		FY 2020		FY 2021	
		Total		Total		Total		Total		Total
TOTAL Available for Distribution		49,018,661.40		48,636,533.96		49,881,527.54		52,059,371.97		51,697,507.91
Off the Top Investments										
Astronomy Related			3,000,000.00		2,500,000.00		-		-	
Internet Connections					810,000.00		-		-	
RCUH Management Fee							3,500,000.00		4,500,000.00	
		-		3,000,000.00		3,310,000.00		3,500,000.00		4,500,000.00
Program Allocation										
Distribution to Campuses (Facilitating Services)										
System	3,205,420.00		3,389,605.00		2,703,529.00		2,606,942.00		3,688,468.00	
Mānoa	29,569,251.00		27,821,098.00		29,339,784.00		31,778,460.00		28,798,284.00	
Community Colleges	2,146,229.00		1,224,731.00		1,871,932.00		1,450,380.00		1,014,666.00	
UH West O'ahu	90,521.00		192,561.00		152,988.00		192,653.00		195,390.00	
University of Hilo, includes SBDC	1,850,856.00		1,481,641.01		1,369,905.00		1,251,053.00		1,293,157.00	
		36,862,277.00		34,109,636.01		35,438,138.00		37,279,488.00		34,989,965.00
Investments from VPRI										
Ofc of the VP for Rsch and Innov	1,712,293.13		1,883,163.11		1,548,296.34		913,537.46		993,010.94	
Applied Rsch Laboratory										
Office of Innovation and Commercializ	759,375.82		761,565.60		512,066.71		962,770.64		1,048,190.68	
Office of Research Compliance	1,569,654.69		1,298,802.67		1,071,381.96		943,747.15		1,137,461.05	
Office of Research Services	3,299,026.90		2,049,581.26		1,474,531.00		1,527,657.48		1,630,836.66	
Internet Connections			810,000.00		off the top investments		810,000.00		paid by other sources	
A-133 Audit Fee	386,457.28		341,669.93		322,816.00		381,643.63		343,964.95	
RCUH Management Fee	4,624,613.07		5,091,377.63		5,100,000.00		2,292,148.52		1,643,079.33	
		12,351,420.89		12,236,160.20		10,029,092.01		7,831,504.88		6,796,543.61
Retained for Investments by the VPRI		(195,036.49)		(709,262.25)		1,104,297.53		3,448,379.09		5,410,999.30



IDC Generated by Units

Note: RTRF allocation to units is on a lag basis (i.e. FY 2020 earned is distributed in FY 2021)

UNIT	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
College of Arts & Humanities	23,105	45,092	40,205	38,456	24,301
College of Education	1,368,159	1,322,590	1,429,258	1,605,100	1,816,337
College of Engineering	907,153	619,659	615,505	838,167	1,018,136
College of Languages, Ling. & Literature	310,171	365,677	356,631	451,898	521,647
College of Natural Sciences	3,358,624	3,877,112	3,866,396	3,987,636	3,922,636
College of Social Sciences	1,386,531	1,476,002	1,464,338	1,596,301	1,607,280
College of Tropical Agriculture and Human Resources	2,434,513	2,178,706	1,749,975	1,569,132	1,759,618
Hawai'iinuiakea School of Hawaiian Knowledge	14,435	22,197	10,294	22,157	81,457
Institute for Astronomy	3,703,263	3,772,263	3,789,240	4,033,348	3,873,755
John A. Burns School of Medicine	8,379,982	8,850,121	8,781,331	9,267,136	8,197,362
Lyon Arboretum	49,281	40,343	71,267	79,811	43,199
Office of Student Affairs	264,315	314,242			
Outreach College	2,424	909	2,879		4,909
School of Architecture	32,776	19,126	12,885	9,888	13,367
School of Nursing and Dental Hygiene	246,007	157,713	154,963	112,894	87,289
School of Ocean and Earth Science and Technology	11,576,708	11,724,997	11,677,438	12,456,149	12,346,192
SOEST - C-MORE	434,637	163,115			
School of Pacific Asian Studies	69,907	75,355	79,257	65,957	31,989
School of Social Work	345,940	457,076	812,476	706,881	948,089
Shidler College of Business	51,079	60,966	47,803	24,465	34,295
UH Cancer Center	4,051,706	4,371,599	5,306,027	5,694,850	5,420,045
Waikiki Aquarium	1,883	1,089	13,810	928	
Water Resources Research Center	70,264	126,382	138,848	133,774	154,510
William S. Richardson School of Law	151,627	221,499	150,260	101,668	169,654
College of Arts & Sciences/Undergrad Ed	61,748	39,988	42,307		
Vice Chancellor for Academic Affairs				47,520	44,543
Vice Chancellor for Administration Finance and Operations	33				
Vice Chancellor for Research		205,163	421,440	472,804	391,423
Vice Chancellor for Students			341,735	367,871	348,721
Manoa	39,296,270	40,508,980	41,376,568	43,684,791	42,860,754

IDC Generated by Units

Note: RTRF allocation to units is on a lag basis (i.e. FY 2019 earned is distributed in FY 2020)

UNIT	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
UH Hilo	2,368,861	1,370,421	1,762,875	1,803,518	1,861,734
SBDC	98,946	86,251	181,868	123,678	121,798
UH Hilo	2,467,807	1,456,672	1,944,743	1,927,196	1,983,532
West O'ahu	120,695	149,979	183,055	227,614	255,092
West O'ahu	120,695	149,979	183,055	227,614	255,092
VP for Community Colleges	119,058	63,174	82,606	117,103	103,517
VP for CC - TAACCCT	490,836				
Hawai'i CC	180,643	93,819	72,592	73,344	39,818
Honolulu CC	60,439	100,689	147,402	169,508	159,439
Kapi'olani CC	281,500	235,962	256,423	191,516	166,444
Kaua'i CC	236,816	134,409	150,937	120,003	91,258
Leeward CC	251,906	122,612	133,214	155,393	110,845
Maui College	1,049,845	920,308	1,148,235	1,103,627	951,081
Windward CC	190,597	207,732	270,962	240,592	219,687
Campus CC	2,861,640	1,878,705	2,262,371	2,171,087	1,842,088
Office of the President	10,401	172,520		316	
VP for Information Technology Services	3,888,432	3,910,870	3,516,687	3,197,188	3,514,106
VP for Academic Planning and Policy				245,316	331,963
VP for Administration				7,577	4,074
VP for Budget & Finance	372,743	365,408	247,094		
VP for Research and Innovation		162,430	320,160	557,869	848,387
Applied Research Laboratory	675	30,970	30,848	40,419	57,512
Systemwide	4,272,250	4,642,198	4,114,790	4,048,684	4,756,041
Grand Total	49,018,661	48,636,534	49,881,528	52,059,372	51,697,508



OVPRI Investments by Category

Purpose	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Facilities		43,886.51	366,687.50	368,171.81	364,841.48
Legal					272,972.26
Research Support	3,074,339.16	2,224,104.93	2,004,991.81	2,522,861.70	2,268,409.16
TOTAL	3,074,339.16	2,267,991.44	2,371,679.31	2,891,033.51	2,906,222.90



OVPRI Investments by Campus

Campus	Campus	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
CC	Community College	1,164.28	-			
HI	Hilo	600,000.00	30,000.00	101,367.00	420,849.02	1,107,000.00
MA	Mānoa	1,002,924.21	1,138,046.93	645,434.72	834,352.96	546,555.00
SW	System	1,370,250.67	923,944.51	1,449,877.59	1,460,831.53	1,252,667.90
WO	West O'ahu	100,000.00	176,000.00	175,000.00	175,000.00	-
TOTAL	TOTAL	3,074,339.16	2,267,991.44	2,371,679.31	2,891,033.51	2,906,222.90



How were these investments utilized?

- The utilization of RTRF investments are detailed in the following slides.



RTRF Investments (FY 2021)

Campus	Unit	Purpose	P.I.	Purpose	Commitment
HI	Chancellor	COBRE	Pellegrin, K.	Research Support	125,000.00
HI	Chancellor	Center for Maunakea Stewardship	Chun, G.	Research Support	712,000.00
HI	Chancellor	PISCES	Rapoza, K.	Research Support	270,000.00
MA	School of Ocean and Earth Science and Technology	Faculty Start-Up	Taylor, B.	Research Support	100,000.00
MA	School of Ocean and Earth Science and Technology	KOK Support	Taylor, B.	Research Support	250,000.00
MA	College of Social Sciences	UHERO	Burnett, K.	Research Support	64,625.00
MA	John A. Burns School of Medicine	Akahi Cohort Program	Kaholokula, J.	Research Support	125,000.00
MA	College of Natural Sciences	Decommission the NMR Spectrometer	Jarret, J.	Research Support	6,930.00
SW	Vice President for Research and Innovations	UH Ventures Support	Syrmos, V.	Research Support	392,499.98
SW	Vice President for Research and Innovations	Excellence in Research Award	Syrmos, V.	Research Support	12,000.00
SW	Office of General Counsel	Research Support	Okinaga, C.	Research Support	210,354.18
SW	Office of General Counsel	Mauna Kea Legal Fees	Okinaga, C.	Legal Fees	272,972.26
SW	VPRI	Sinclair Bond Payment	Syrmos, V.	Facilities	364,841.48
					2,906,222.90



RTRF Investments (FY 2020)

Campus	Unit	Purpose	P.I.	Purpose	Commitment
HI	Chancellor	Hawai'i on the Hill	Mattews, B.	Research Support	2,716.13
HI	Chancellor	OMKM Support	Irwin, B.	Research Support	268,132.89
HI	Chancellor	Imiloa Support	Kimura, K.	Research Support	25,000.00
HI	Daniel K. Inouye College of Pharmacy	COBRE	Pellegrain, K.	Research Support	125,000.00
MA	College of Engineering	Research Support for Ceramic & Polymer Nanocomposites	Nejhad, M.	Research Support	200,000.00
MA	College of Natural Sciences	UPS System	Helminck, H.	Research Support	12,500.00
MA	College of Natural Sciences	HECO Innovation Impact Challenge	Sadowski, P.	Research Support	10,000.00
MA	College of Natural Sciences	Chemistry Start Up	McCallum, T.	Research Support	120,000.00
MA	College of Social Sciences	COVID-19 Crowdsourcing	Kim, K.	Research Support	30,000.00
MA	College of Tropical Agriculture and Human Resources	Hawai'i on the Hill	Cho, A.	Research Support	2,994.66
MA	John A. Burns School of Medicine	COBRE Phase I	Berry, M.	Research Support	50,000.00
MA	John A. Burns School of Medicine	Lab Support	Moisyadi, S.	Research Support	20,000.00
MA	School of Ocean and Earth Science and Technology	AMOS Support	Flynn, L.	Research Support	953.30
MA	School of Ocean and Earth Science and Technology	Bridge Funding	Fletcher, C.	Research Support	152,146.00
MA	Shidler College of Business	Accelerator/Venture Lab and Lift Off Programs	Roley, V.	Research Support	235,759.00
SW	Academy for Creative Media	ACM Support	Lee, C.	Research Support	450,000.00
SW	Office of General Counsel	Research Support	Okinaga, C.	Research Support	228,009.72
SW	STEM	STEM Support	Ishii, C.	Research Support	22,150.00
SW	Vice President for Research and Innovation	Sinclair Bond Payment	Syrmos, V.	Facilities	368,171.81
SW	Vice President for Research and Innovation	UH Ventures Support	Syrmos, V.	Research Support	392,500.00
WO	Chancellor	Faculty Travel	Benham, M.	Research Support	100,000.00
WO	Chancellor	Research Support	Benham, M.	Research Support	75,000.00
					2,891,033.51

1907

RTRF Investments (FY 2019)

Campus	Unit	Purpose	P.I.	Purpose	Commitment
HI	Chancellor	ASU Visit	Mathews, B.	Research Support	1,367.00
HI	Chancellor	Research Support	Hon, K.	Research Support	100,000.00
MA	College of Engineering	I&E at College of Engineering, Mechanical Engineering	Kobayashi, M.	Research Support	20,000.00
MA	College of Natural Sciences	Faculty Start-Up	Helminck, A.	Research Support	50,000.00
MA	College of Natural Sciences	Microbiology Lab Clean Up	Helminck, A.	Research Support	50,000.00
MA	College of Social Sciences	ASU Visit	Coffman, M.	Research Support	1,386.12
MA	College of Tropical Agriculture and Human Resources	American Statistics Association Training	Yost, R.	Research Support	1,000.00
MA	Institute for Astronomy	Faculty Start-Up	Sakstein, J.	Research Support	75,000.00
MA	John A. Burns School of Medicine	COBRE Phase III	Ward, S.	Research Support	125,000.00
MA	John A. Burns School of Medicine	Vivarium	Gerschenson,	Research Support	20,000.00
MA	School of Ocean and Earth Science and Technology	ASU Visit	Fletcher, C.	Research Support	1,592.60
MA	School of Ocean and Earth Science and Technology	ASU Visit	Glick, M.	Research Support	1,456.00
MA	School of Ocean and Earth Science and Technology	KOK Disposal	Taylor, B.	Research Support	150,000.00
MA	Shidler College of Business	PACE Support	Roley, V.	Research Support	120,000.00
MA	Shidler College of Business	PACE Business Plan Competition	Rowan, P.	Research Support	5,000.00
MA	Shidler College of Business	PACE Summer Startup Launchpad	Rowan, P.	Research Support	25,000.00
SW	Office of General Counsel	Research Support for FY18 and FY 19	Okinaga, C.	Research Support	423,067.59
SW	Vice President for Research and Innovation	Sinclair Bond Payment		Facilities	366,687.50
SW	Office of Innovation and Commercialization	2021 World Congress on Industrial Biotechnology	Ai, D.	Research Support	10,000.00
SW	Vice President for Research and Innovation	UH Ventures Support	Symos, V.	Research Support	650,122.50
WO	Chancellor	UHWO Research Seed Grant Program	Benham, M.	Research Support	75,000.00
WO	Chancellor	Faculty Travel	Benham, M.	Research Support	100,000.00
					2,371,679.31



RTRF Investments (FY 2018)

Campus	Unit	Purpose	P.I.	Purpose	Commitment
HI	Chancellor	Rat Lung Worm Lab	Straney, D.	Research Support	30,000.00
MA	Institute for Astronomy	NASA NAI CAN8 Proposal	Meech, K.	Research Support	250,000.00
MA	Shidler College of Business	Pace Business Plan	Rowan, P.	Research Support	5,000.00
MA	College of Natural Sciences	Microbiology Virology	Helminck, A.	Research Support	100,000.00
MA	UHERO	Research Support	Bonham, C.	Research Support	60,000.00
MA	Shidler College of Business	PACE Summer Startup Launchpad	Rowan, P.	Research Support	25,000.00
MA	College of Natural Sciences	Faculty Start-Up	Helminck, A.	Research Support	100,000.00
MA	School of Ocean & Earth Science Technology	Faculty Start-Up	Ishii, Hope	Research Support	100,000.00
MA	John A. Burns School of Medicine	Mouse Metabolic Phenotyping Center	Shohet, R.	Research Support	75,000.00
MA	College of Natural Sciences	Bridging	Hoang, T.	Research Support	375,000.00
MA	College of Natural Sciences	Marketing Materials	Bindi, V.	Research Support	2,500.00
MA	College of Natural Sciences	AMOS Support	Helminck, A.	Research Support	3,546.93
MA	College of Natural Sciences	NSF MRI Proposal	Porter, M.	Research Support	40,000.00
MA	Vice President for Research and Innovation	UH Ventures LLC	Syrmos, V.	Research Support	2,000.00
SW	Office of Sustainability	Landscape Assessment	Lynch, M.	Research Support	18,241.00
SW	Vice President for Research and Innovation	Difference in VPRI RTRF Balances	Syrmos, V.	Research Support	861,817.00
SW	Vice President for Research and Innovation	Sinclair Bond Payment	Syrmos, V.	Facilities	43,886.51
WO	Chancellor	Innovation	Benham, M.	Research Support	1,000.00
WO	Chancellor	Seed Grant Program	Benham, M.	Research Support	75,000.00
WO	Chancellor	Faculty Travel	Machosky, B.	Research Support	100,000.00
					2,267,991.44

RTRF Investments (FY 2017)

Campus	Unit	Purpose	P.I.	Purpose	Commitment
HI	Chancellor	Research Support	Platz, M.	Research Support	100,000.00
HI	OMKM	FY 2017 Operations	Platz, M.	Research Support	500,000.00
KA	Chancellor	Hawai'i on the Hill Travel Support	Tamamoto, L.	Research Support	1,164.28
MA	College of Engineering	Innovation Support	Crouch, P.	Research Support	72,000.00
MA	College of Natural Sciences	AMOS Support	Bindi, V.	Research Support	789.49
MA	College of Natural Sciences	AMOS Support	Leigh, J.	Research Support	2,735.79
MA	College of Natural Sciences	International Larval Biology Symposium	Moran, A.	Research Support	5,000.00
MA	College of Natural Sciences	HI-VIS Workshop	Leigh, J.	Research Support	1,048.43
MA	Institute for Astronomy	RCUH Project Development Fund	Chun, M.	Research Support	91,550.00
MA	John A. Burns School of Medicine	OLA Hawai'i Support	Hedges, J.	Research Support	250,000.00
MA	John A. Burns School of Medicine	Faculty Start-Up	Lehrer, A.	Research Support	140,000.01
MA	John A. Burns School of Medicine	INBRE	Nichols, R.	Research Support	150,000.00
MA	School of Ocean & Earth Science Technology	AMOS Support	Flynn, L.	Research Support	1,800.49
MA	School of Ocean & Earth Science Technology	Asia Pacific Marine Biotechnology Conference	Leong, J.	Research Support	13,000.00
MA	Shidler College of Business	PACE	Yamada, S.	Research Support	25,000.00
MA	Shidler College of Business	Pacific Business Center Program	Clark, M.	Research Support	250,000.00
SW	Office of General Counsel	Research Support	Okinaga, C.	Research Support	195,250.67
SW	Vice President for Research and Innovation	Hawai'i Innovation Initiative	Syrmos, V.	Research Support	1,175,000.00
WO	Chancellor	Faculty Travel	Ching, D.	Research Support	75,000.00
WO	Chancellor	Research Support	Benahm, M.	Research Support	25,000.00
					3,074,339.16



Basis for OVPRI Investments of RTRF

- The VPRI office allocates RTRF to support the research enterprise of the University.
- The primary focus of the VPRI is not only on those units that generate RTRF funds, but on all units that advance research and scholarship.
- Expenditures are made in consultation with the relevant units.
- Priority is given to those units that provide matching funds.



OVPRI Oversight of System Investments of RTRF

- Any deviation in the purpose of the allocation must be approved by the VPRI.
- Any extension to the award period must be approved by the VPRI.



What funds are projected for this year?

In FY 2021 UH generated \$53,098,192.91, which is being distributed systemwide in FY 2022.

