

Appendix A - 2016 METRICS REPORT

Progress toward Goals Outlined in University of Arizona Water Resources Research Center (WRRC) 2021 STRATEGIC PLAN

2016 Metrics Report Completed June 27, 2017

Goal 1: To increase WRRC capacity to engage in water policy and management research that is highly relevant to the real world through increased external funding and support and recruitment of skilled faculty and staff.

	2012 ^a	2013 ^a	2014	2015	2016
Grant Funding Received					
Federal grants and contracts	\$462,806	\$286,792	\$245,199	\$374,803	\$397,374
State grants and contracts	\$78,816	\$10,435	\$40,569	\$161,062	\$127,882
Foundation funds	\$177,463	\$69,038	\$564,249	\$233,249	\$101,871
Private grants and contracts	\$300,675	\$773,792	\$100,158	\$411,252	\$473,973
WRRC Staffing					
Faculty	4 (1 emeritus)	4 (1 emeritus)	4 (1 emeritus)	4 (1 emeritus)	4 (1 emeritus)
Staff	12	13	15	22	21
Students	34	53	42	24	19
Grant-Funded Projects					
Number of new projects	6	8	11	3	6
Project funding	\$592,632	\$127,706	\$385,926	\$154,924	\$559,661
Indirect Costs (IDC) Received					
Total	\$50,170	\$123,378	\$55,369	\$76,548	\$89,659
University	\$32,160	\$74,027	\$33,221	\$45,928	\$53,795
CALS	\$12,864	\$29,611	\$13,288	\$18,372	\$21,518
Other departments	nmb	\$3,839	\$3,778	\$485	\$1,496
WRRC	\$5,146	\$8,005	\$5,082	\$11,763	\$12,850

Goal 2: To increase recognition, both within and beyond the University, of the WRRC as an excellent provider of skills and knowledge for future generations of water professionals.

	2012	2013	2014	2015	2016
Students Mentored Through WRRC Programs					
Graduate	14	20	24	20	14
Undergraduate	8	18	6	13	7
Project WET	12	25	27	22	22
WRRC Faculty Participation on Student Committees					
Master's	9	9	6	8	12
Ph.D.	8	4	3	5	9
Number of Students Instructed in Classroom Setting					
Formal class	12	15	16	15	15
Guest lectures	220	205	165	225	260

Goal 3: Through the activities of Arizona Project WET, support teacher professional development, offer real-world learning experiences for K-12 students, and train community and business members to facilitate student learning.

	2012	2013	2014	2015	2016
Number of teachers with 7+ hours of professional development	366	386	550	341	522
Number of teachers with 90%+ positive response rate to professional development questionnaire	366 (100%)	363 (94%)	523 (95%)	317 (93%)	496 (95%)
Number of students instructed by participating teachers	23,400	29,837	46,456	31,759	35,695
Number of students engaged	21,432	27,611	40,100	33,392	46,776
Projected gallons of water saved	18,973,169	4,876,691	5,364,514	3,688,811	3,656,230

Goal 4: To enhance WRRC leadership in the dissemination of sound and independent water management and policy information and research results through increasing communication with a broad network of professional contacts around the State and beyond.

	2012	2013	2014	2015	2016
Brown Bag Seminars	22	16	18	16	21
Annual Conference Registrations	334	302	341	341	286
Number of Presentations (Estimates of audience attendance)					
Local (Tucson)	11 (330)	27 (810)	49 (1,470)	16 (480)	47 (1,410)
State (Arizona)	33 (1,980)	27 (1,620)	32 (1,920)	27 (1,620)	32 (1,920)
National	12 (1,140)	16 (1,520)	23 (2,185)	18 (1,710)	25 (2,375)
International	16 (2,560)	10 (1,600)	5 (800)	7 (1,120)	10 (1,600)
Media Contacts					
Radio	3	3	3	2	7
Print	8	10	10	8	15
Video	5	3	6	2	8
Online ^c	nm ^c	nm ^c	8	3	7
Subscribers to WRRC Publications					
UA	212	219	209	215	198
National	1,802	1,750	1,719	1,852	1,545
International	12	13	12	15	11
Online	1,097	1,396	5,700	5,512	5,956
Weekly Wave	nm ^b	1,825	1,780	1,822	2,027

^a2013 accounting shows incoming dollars on a “cash flow” basis, rather than on an “awarded” basis, shown in 2012.

^bnm: not measured; metric added in 2013.

^cOnline media contacts metric added in 2014; includes media contacts online ONLY – contacts in print and online are accounted for in Print Media Contacts.

2016 University of Arizona Water Resources Research Center (WRRC) Partnership Metrics

Completed July 30, 2017

Note: Programs in blue text were new in 2016.

Program	Strategic Plan Objective	FTE			Mission Focus (%)			Partners/Collaborators/Engagement											
		WRRC Staff	Student	Volunteer Hours	Research	Instruction	Extension/ Outreach	Intra-university	Inter-university	Private/NGOs		Government					Tribal Engagement	International Engagement	Total
										Profit	Non-profit	City	County/Regional	State	Federal	School Districts			
WRRC 2016 Annual Conference	2,4	0.3	0.3	80	33	33	34	3	6	7	5	4	2	6	2	6	3	2	46
WRRC Brown Bag Seminars (Including WSP Speakers)	4	0.1	0.1					10		2	2	1	2	3	4			2	26
WRRC External Advisory Committee	1, 4	0.1						1		10	8	3	1	5	1		1		30
Desert Water Harvesting Initiative	2,4	0.1					100	1							2				3
SCAMA Water Management Website	1,4	0.1			90		10			1		2	4	4					11
Arizona Water Resource, Arroyo	2,4	0.2	0.5		10		90	1	4	4		4		2					15
Beyond the Mirage - ClipStack™	2,4	0.2					100	4			4			1	1				10
Water Quality Research Program	1, 2	0.5	4.0		50	25	25	6	24		6	25	6	25	7	2	2	6	109
Aqua STEM Program (AS)	3	1.0		62	5		95	1	1			7	1	1		9			20
Tucson Water Education Program (TWE)	3	2.3	3.8		1		99	5				5	2	1	1	7			21
Arizona Water Festivals Program (AWF)	3	1.8		5574	2		98	4	1	10	3	26	1			25			70
Teacher Professional Development Program (TACD)	3	2.5			10		90	1	2		4	9	3	2	1	167			189
Water Scene Investigation Program (WSI)	3	0.4			1		99	1				3				3			7
School Water Audit Program (SWAP)	3	0.2			1		99				1	1		1		5			8
Pinal Water Education Program (PWE)	3	1.0			1		99	1				1	1	1		7			11
Conserve2Enhance Program (C2E)	1	0.1		1100	60		40	2		4	8	2	3			2			21
Community Conversations in Globe/Miami	1,4	0.3		200	50		50	1		5	2	2	1		1	2	1		15
Cobre Valley Needs Assessment	1,4	0.1		100	70		30	1		5	2	4	1		1				14
Desert Flows Database	1	0.4	0.3	100	80		20	2	2		3		2	1	6			3	19
Gila Watershed Planning Project	1,4	0.3	1.0	300	60		40	2	1	12	6	3	3	4	6		1		38
UA Water Network	1,4	0.1	0.2				100	48											48
Desert Landscaping Website	2,4	0.1	0.1				100	1					2						3
Transboundary Aquifer Assessment Program (TAAP)*	1, 4	0.5	0.5		80		20	2		1					1			1	5
Director's Programs and Activities (not covered elsewhere)	1,2,4	1.0			20	10	70	23	62	10	26	3	2	3	15		3	16	163
Totals 2016		13.6	10.8	7516				121	103	71	80	105	37	60	49	235	11	30	902
Totals 2015		15.6	9.5	7699				50	151	85	80	73	22	43	50	53	37	30	674
Totals 2014		15.5	9.2	6677				89	99	89	123	82	37	42	42	39	13	42	697
Totals 2013		15.3	8.4	6194				60	94	120	122	103	21	50	47	50	15	8	690

Objectives, University of Arizona Water Resources Research Center 2021 Strategic Plan

Objective 1: To increase WRRC capacity to engage in water policy and management research that is highly relevant to the real world through increased external funding and support and recruitment of skilled faculty and staff.

Objective 2: To increase recognition, both within and beyond the University, of the WRRC as an excellent provider of skills and knowledge for future generations of water professionals.

Objective 3: Through the activities of Arizona Project Wet, support teacher professional development, offer real-world learning experiences for K-12 students, and train community and business members to facilitate student learning.

Objective 4: To enhance WRRC leadership in the dissemination of sound and independent water management and policy information and research results through increasing communication with a broad network of professional contacts around the State and beyond.

*Program formally reinstated in 2016