

2018 METRICS REPORT

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

2018 Metrics Report Completed April 25, 2019

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.

	2013	2014	2015	2016	2017	2018
Grant Funding Received^a						
Federal grants and contracts	\$286,792	\$245,199	\$374,803	\$397,374	\$456,246*	\$407,240
State grants and contracts	\$10,435	\$40,569	\$161,062	\$127,882	\$89,100	\$94,500
Foundation funds	\$69,038	\$564,249	\$233,249	\$101,871	\$117,500	\$211,590
Private grants and contracts	\$773,792	\$100,158	\$411,252	\$473,973	\$270,012	\$363,791
WRRC Staffing						
Faculty	4 (1 emeritus)					
Staff	13	15	22	21	20	20
Students	53	42	24	19	24	20
Grant-Funded Projects						
Number of new projects	8	11	3	6	5	8
Project funding	\$127,706	\$385,926	\$154,924	\$559,661	\$387,699.00	\$661,365
Indirect Costs (IDC) Received						
Total	\$123,378	\$55,369	\$76,548	\$89,659	\$79,513.97	\$94,789
University	\$74,027	\$33,221	\$45,928	\$53,795	\$47,708.38	\$56,874
CALS	\$29,611	\$13,288	\$18,372	\$21,518	\$19,083.35	\$22,749
Other departments	\$3,839	\$3,778	\$485	\$1,496	\$1,185.05	\$1,422
WRRC	\$8,005	\$5,082	\$11,763	\$12,850	\$11,537.19	\$13,745

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.

	2013	2014	2015	2016	2017	2018
Students Mentored Through WRRC Programs						
Graduate	20	24	20	14	19	16
Undergraduate	18	6	13	7	7	4
Project WET	25	27	22	22	20	22
WRRC Faculty Participation on Student Committees						
Master's	9	6	8	12	8	2
Ph.D.	4	3	5	9	10	12
Number of Students Instructed in Classroom Setting						
Formal class	15	16	15	15	101	102
Guest lectures	205	165	225	260	92	151

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.

	2013	2014	2015	2016	2017	2018
Number of teachers with 7+ hours of professional development	386	550	341	522	563	451
Number of teachers with 90% + positive response rate to professional development questionnaire	363 (94%)	523 (95%)	317 (93%)	496 (95%)	534 (95%)	421 (92%)
Number of students instructed by participating teachers	29,837	46,456	31,759	35,695	44,470	22,614
Number of students engaged	27,611	40,100	33,392	46,776	25,681	32,828
Projected gallons of water saved	4,876,691	5,364,514	3,688,811	3,656,230	2,151,214	2,478,420

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.

	2013	2014	2015	2016	2017	2018
Brown Bag Seminars	16	18	16	21	17	22
Annual Conference Registrations	302	341	341	286	357	333

Number of Presentations (Estimates of audience attendance)

Local (Tucson)	27 (810)	49 (1,470)	16 (480)	47 (1,410)	21 (630)	32 (960)
State (Arizona)	27 (1,620)	32 (1,920)	27 (1,620)	32 (1,920)	30 (1,800)	7 (420)
National	16 (1,520)	23 (2,185)	18 (1,710)	25 (2,375)	14 (1,330)	30 (2,850)
International	10 (1,600)	5 (800)	7 (1,120)	10 (1,600)	13 (2,080)	5 (800)

Media Contacts

Radio	3	3	2	7	3	1
Print	10	10	8	15	13	12
Video	3	6	2	8	5	1
Online ^b	nm ^b	8	3	7	22	6

Subscribers to WRRC Publications

UA	219	209	215	198	198	198
National	1,750	1,719	1,852	1,545	1,533	1,520
International	13	12	15	11	11	10
Online	1,396	5,700	5,512	5,956	5,356	2,475
Weekly Wave	1,825	1,780	1,822	2,027	2,198	2,630

^aFor 2013 and subsequent years accounting shows incoming dollars on a “cash flow” basis, rather than on an “awarded” basis, shown in 2012.

^bnm: not measured; metric added in 2014 and 2013 online contacts included in Media Contacts – Print.

2018 University of Arizona Water Resources Research Center (WRRC) Partnership Metrics

Completed April 19, 2018

Note: Programs in [blue text](#) were added in 2018.

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 2018 Annual Conference	2,4	0.5	0.2	339	33	33	34	3		14	12	5	4	2	3		1	1	45
WRRC Brown Bag Seminars (Including Co-sponsored)	4	0.1	0.1	66		40	60	12	3	2	5	2	2	3	1		1	4	35
WRRC External Advisory Committee	1,4	0.1		150		50	50		1	12	6	4	4	2	2		2		33
Desert Water Harvesting Initiative	2,4	0.1					100	1		1	1	2	3	1	1				10
Arizona Water Resource, Arroyo	2,4	0.2	0.3	60	10	20	70	2		5	5		5	1	1		1		20
Beyond the Mirage - ClipStack™	2,4	0.1		22			100	1			4		1						6
Water Quality Research Program	1,2	1.8	3.0		40	40	20	11	27		5	42	5	24	10	4	2	18	148
WRRRA 104 Program	1,4	0.2			30		70	3		2			2						7
Aqua STEM Program (AS)	3	1.0		361	5		95	1	1	2	1	2	1	1		15			24
Tucson Water Education Program (TWE)	3	2.3	5.0		1		99	5			2	5	2	1	1	9			25
Arizona Water Festivals Program (AWF)	3	1.8		5989	2		98	4	1	11	2	26	1	1	1	31			78
Teacher Professional Development Program (TACD)	3	2.5			10		90	1	2			9		1	1	128		1	143
Water Scene Investigation Program (WSI)	3	0.4			1		99				1	2				4			7
School Water Audit Program (SWAP)	3	0.2		34	1		99	1	1		2					1	1		6
Pinal Water Education Program (PWE)	3	1.0			1		99	1		2		7	1	1		7			19
Cobre Valley Needs Assessment	1,4	0.3	0.3		40		60	3	1	5	12	3	4	5	2	2	1		38
Private Water in the Colorado River Basin	1,4	0.4			98		2		2	6		3	6	3					20
Gila Watershed Planning Project	1,4	0.2			75		25	1	5	4	14	3	2	3	7		2		41
Sky Island Waters	1,4	0.3			50		50	1	1	1	10	2	5	1	5		2	2	30
UA Water Network	1,4																		0
Transboundary Aquifer Assessment Program (TAAP)	1,4	0.7	0.5		90		10	2			2				2			6	12
Other Programs, Projects, and Initiatives	1,4	0.3	0.3	4				4	2	6	15	4	2	4	6				43
Director's Programs and Activities (not covered elsewhere)	1,2,4	1.0			20	10	70	25	69	7	31	3	6	5	18		4	15	183
Totals 2018		15.4	9.7	7025				82	116	80	130	124	56	59	61	201	17	47	973
Totals 2017		14.6	10.7	7099				127	109	70	99	104	46	57	64	223	16	35	950
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

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- 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.
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