



Projected Impact Analysis

IRRIGATION MODERNIZATION PROGRAM

Farmers Conservation Alliance is working to enable and accelerate the modernization of irrigation infrastructure with multiple irrigation districts in Oregon. Once modernized, the result of this work will be trillions of gallons of water conserved annually, thousands of miles of stream improved for fish, MWh of energy created as well as conserved, and millions of dollars in economic development. The following chart represents the potential collective impact of implementing these modernization projects.

IMPACT												TOTAL
	ARNOLD IRRIGATION DISTRICT	CENTRAL OREGON IRRIGATION DISTRICT	EAST FORK IRRIGATION DISTRICT	LOWE PINE IRRIGATION DISTRICT	NORTH UNIT IRRIGATION DISTRICT	OCHOCO IRRIGATION DISTRICT	SWALLEY IRRIGATION DISTRICT	TUMALO IRRIGATION DISTRICT	WALLOWA LAKE IRRIGATION DISTRICT	ROGUE RIVER IRRIGATION DISTRICT	23 PENDING IRRIGATION DISTRICTS	
Water Saved (cfs)	46.0	156.0	13.0	8.8	205.4	72.2	20.1	48.0	17.4	*	*	557.0
Stream Miles Improved	118	118	22	118	107	75	45	169	40	*	*	208
Energy Conserved (MWh/year)	1,015	10,438	*	0	40,360	2,688	1,146	4,003	6,565	*	*	59,650
Renewable Energy Generated (MW)	0.0	9.7	1.5	0.0	25.8	0.0	0.2	0.9	0.8	*	*	38.0
Ag Land Protected (acres)	3,963	17,336	9,600	2,369	58,350	18,480	4,333	7,002	15,668	*	*	111,833
Landowners Benefited	646	1,855	1,100	19	961	606	668	667	146	*	*	5,422
Avoided Carbon Emissions (tons CO ₂)	482	25,056	*	0	62,666	1,277	831	3,334	*	*	*	93,646
Economic Development (\$)	27.3M	166.5M	*	4M	558.9M	114.4M	8.8M	23.9M	*	*	*	903.9M
Jobs Supported (short-term)	590	3,600	*	110	14,760	3,020	190	520	*	*	*	22,790
Canals Converted (miles)	39	74	*	14	258	108	17	69	44	*	*	579
Improved Water Quality										*	*	
Threatened or Endangered Species										*	*	
Project Costs (\$)	46.8M	284.9M	*	9.8M	1.3B	276.4M	15M	40.9M	78.5M	*	*	2B

All numbers accurate as of April 2018

*Data collection still underway

**TO LEARN
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FCA's Irrigation Modernization Program works with irrigation districts to develop and implement modernization strategies.
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