



3.1.d. Drill Down: Make 423,000 acre-feet of new water supply available for agriculture by 2020

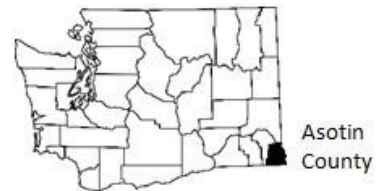
Q & A

What is an acre-foot (acre-ft)?

The volume of water needed to cover an acre to depth of 1 foot. (325,851 gallons)

How much water is 423,000 acre-ft?

Enough to cover Asotin County with a foot of water, plus a little more. (423,000 acres = 660.9 sq. mi. Asotin Co. = 636 sq. mi)



How many acres can be irrigated with this amount?

141,000 acres, based on an *average* use of 3 acre-ft of water/acre. Different crops have different water needs; different farmers use different practices; and different areas get different amounts of rainfall.

Major Project Areas, Agriculture and Economy

The new water supply will serve agriculture in the Columbia Basin, with most of the water going to lands in the Yakima Basin and Odessa Subarea.

The Yakima Basin and the Odessa Subarea contain only about a quarter of the farms in the state, but together they produce over half the state's market value of crops and livestock.



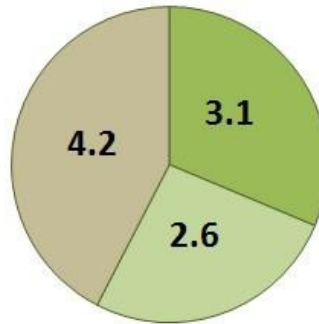
KEY

	ODESSA 4-county area Adams, Franklin, Grant, Lincoln
	YAKIMA 3-county area Benton, Kittitas, Yakima
	Rest of the state

Data source: USDA Census of Agriculture, 2012

MARKET VALUE

Crops and Livestock
\$ in billions



FARMS

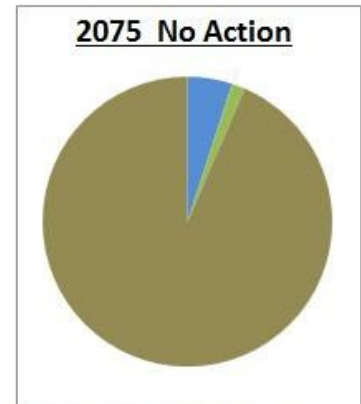
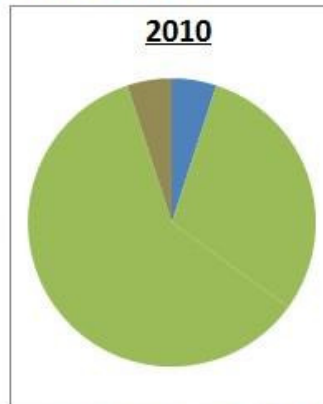


Odessa Subarea – Groundwater Status

The new water supply projects address the problem of declining wells in the Odessa Subarea becoming unusable as more water is withdrawn.

KEY

	Reliable Wells
	Less Reliable Wells
	Wells not usable



Data source: *Final Economics Technical Report - Odessa Subarea Special Study*, US Dept. of Interior, Bureau of Reclamation, 2012.

Agricultural Water Supply Projects Schedule

PROJECT	acre-ft	YEAR										
		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Lake Roosevelt - interruptibles	33,000	d D										
Port of Walla Walla Leases	4,761		d D									
KID/Red Mountain	2,678	d				D						
Lake Sullivan	4,700				d	D						
Kittitas General Hospital	4,000					d D						
ODESSA SUBAREA	Lake Roosevelt - Odessa	30,000	d							D		
	Coordinated Conservation-1	2,521	d							D		
	Coordinated Conservation-2	2,929		d						D		
	Coordinated Conservation-3	10,353			d					D		
	Coordinated Conservation-4	10,207				d				D		
	Odessa Preferred Alternative	164,000				d				D		
	Coordinated Conservation-5	4,000					d			D		
Total to be developed by 2014 and deliverable by 2017	273,149											
Kachess Drought Relief - YBIP	200,000							d			D	
Douglas Aquifer Storage & Recovery	30,000								d		D	
TOTAL to be developed by 2019 and deliverable by 2020	503,149											
Key												
	Development phase											KID = Kennewick Irrigation District
	d Target year for completed development											YBIP = Yakima Basin Integrated Plan
	Infrastructure construction phase											
	D Target year for deliverable status											
	Project complete – water available											

For more information on these projects, see <http://www.ecy.wa.gov/programs/wr/cwp/crwmp.html>

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Agricultural Water Supply Project Progress - 2015 = on schedule



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