







CASE STUDY

NAME	Farmers Irrigation District (FID)
LOCATION	Hood River, Oregon
# ACRES	5,800
# IRRIGATORS	1,722
# FARMS	80
CROPS	Pears, Apples, Cherries

OVERVIEW

Farmers Irrigation District (FID) spent thirty years modernizing its irrigation system. Beginning in 1985 with the installation of in-conduit hydropower, FID converted open canals to pipe, removed pumps, and improved on-farm delivery. The result of this work led to increased green power production, reduced energy use, reduced district operation and maintenance costs, increased water supply availability and reliability to growers, increased in-stream water flows during critical summer months, improved environmental conditions, and increased recreational benefits. More specifically, over the last thirty years, the benefits of FID's modernization include:

BENEFITS

			
Green, Renewable Energy Generated	Carbon Benefit in Metric Tons	Water Conserved in Gallons	District Savings in Operation and Maintenance
625,000 MWh	482,500	65B	2.3M
<i>1,900 homes powered for 30 years</i>	<i>The equivalent of carbon storage of 16,500 acres of Oregon forest</i>	<i>In home water use for 2 million people</i>	<i>Dollars in district savings</i>

DETAILS

FID modernization was possible due to hydropower revenue, grants (Bonneville Power Administration, Confederated Tribes of Warm Springs and others), and low-interest loans (Clean Water Revolving State Fund). To learn more about the impact of Farmers Irrigation District read the Benefits Analysis at: tinyurl.com/Econ-Eval-HR-FID or the Case Study at: tinyurl.com/FCA-Hydro-Case-Study

TO LEARN MORE

FCA's Irrigation Modernization Program works with irrigation districts to develop and implement modernization strategies.
FCASOLUTIONS.ORG • 541.716.6085 • info@fcasolutions.org