



# Modernization PROJECT BENEFITS

ArnoldIrrigationDistrict.com

Increases public safety

Maintains strong agriculture economy

Conserves water

DISTRICT FACTS

4,384 acres irrigated

646 irrigators served

39 miles of open canals and pipelines to convey irrigation water

PROJECTS

Install 11.9 miles of pipe for AID's main canal

Upgrade 88 deliveries

Improves drought resistance

Reduces operating and maintenance costs

Water saved will help meet the needs of farmers in Jefferson County

Helps meet Habitat Conservation Plan target for critical winter streamflows in the Upper Deschutes River.

Piping would have extended **water flow** into September during the 2020-2022 seasons

If AID's main canal had been piped, water would have been delivered uninterrupted into September.

AID's main canal experiences a **34%** average water loss due to seepage

Piping AID's main canal will improve water delivery reliability and irrigators can expect to receive the amount of water they need at the right time.



## PIPING STATS

|               | water seepage loss | water conserved annually | gallons saved annually | cfs needed to deliver 5.5 gallons per minute (gpm)* |
|---------------|--------------------|--------------------------|------------------------|---|
| BEFORE PIPING | 34%                | 0 cfs                    | 0                      | 100 cfs   |
| AFTER PIPING  | <1.5%              | 32.5 cfs                 | 3.4 billion            | 67.5 cfs  |

\*Estimated cfs needed to deliver 5.5 gpm to all patrons June-August