

Enclosed Lateral Improvement Projects Summary

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Enclosed Lateral Improvement Projects (ELIPS) is one result of a settlement agreement between the United States Bureau of Reclamation (Reclamation), Washington State Department of Ecology (WDOE), Yakama Nation and Sunnyside Division Board of Control (SDBOC) in the Yakima Basin Water Rights Adjudication. Under phase II of the agreement, SDBOC will reduce its annual diversion by 47cfs, 17,000 acre-feet annually (two-thirds total water savings) to benefit instream flows in exchange for 82.5% grant funding (65% Reclamation and 17.5% WDOE). The total area covered under ELIPS is 47,350 acres including 1000 acres that will be enclosed to mitigate for operational expenses required to manage the lower end of the canal without Benton Irrigation District (BID) carriage water. (BID is in the process of moving its point of diversion from Parker to Benton City). ELIPS is expected to cost about \$115,000,000, in year 2010 dollars, over a roughly 20 year period. Sunnyside Valley Irrigation District (SVID) is the operating entity for SDBOC.

ELIPS will be funded in two phases. The first phase was funded utilizing \$21,400,000 Federal Stimulus money, \$5,761,538 WDOE funding, and \$5,761,538 SDBOC matching funds. The remainder will be funded utilizing Yakima River Basin Water Enhancement Project (YRBWEP) funds under the same cost share.

The purpose of ELIPS is to convert open irrigation ditches/pipes and weir boxes to enclosed laterals and in line flow meters. Gravity pressure in most cases will allow landowners to eliminate pumps or reduce pump horsepower requirements. Other benefits to enclosed laterals include, improved on farm control of irrigation water, no lateral/landowner end spills, reduced lateral losses, improved irrigation drain water quality, improved public safety, reduced operation and maintenance costs, and, in combination with other conservation projects, overall improved operational efficiency.

Laterals funded with Federal Stimulus funds include:

- Laterals 22.56, 40.86, 51.36, 59.28A, Rocky Ford, Ryder, and the lower half of the Matheson covering a total of about 11,775 acres. All of the above described laterals will be in operation by April 2013.

Laterals funded with YRBWEP funds include:

Laterals 14.17, 15.28, 17.32, 18.83, 19.67, 20.44, 20.64, 21.06, 23.08, 25.24, 26.79, 27.09, 27.53, 27.69, 28.07, 28.28, 28.60, 28.90, 29.15, 29.38, 29.58, 29.68, 29.94, 30.16, 30.20E, SN 9.04, 31.65, 32.18, 32.77, 33.21, 33.74, 34.60, 35.22, 35.51, 36.15, 36.52, 36.74, 37.37, Upper half of the Matheson (including Rocky Ford 3.05), 39.077, 39.70, 39.79, 42.33, 42.44, 43.23, 44.39, 46.76, 47.14, 47.81, 47.90, 48.25, 48.84, 49.90, Mb 1.00, Mb 1.49, Mb 8.40, 50.52, 51.18, 51.87, 52.90, 54.01, 54.12, PR 0.37, 58.75, and Benton 59.32 covering a total of about 35,575 acres. The exact schedule has not been determined but it is anticipated these laterals will be in operation by about 2032 constructed at a uniform rate. The construction schedule will be adjusted to match available funding. Laterals may be added to or dropped from this list if recommended by SDBOC and approved by the funding agencies.