

Enclosed Lateral Improvement Projects Summary

5/27/09 Rev 8/6/09

Enclosed Lateral Improvement Projects (ELIPS) is the 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 46cfs, 16,500 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). Under a separate agreement SDBOC will reduce its annual diversion up to an additional 23cfs, 8,250 acre-feet annually, (one-third total water savings) to benefit instream flows in exchange for reimbursement for the 17.5% of project costs provided by SDBOC. The total area covered under ELIPS is 46,000 acres including 1000 acres that will be enclosed to mitigate for operational expenses required to manage the lower canal without Benton Irrigation District (BID) carriage water. (BID will move its point of diversion from Parker to Benton City). The project is expected to cost about \$68,810,000, in year 2007 dollars, over a roughly 15 year period. Sunnyside Valley Irrigation District (SVID) is the operating entity for SDBOC.

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

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.

Major components to be funded with Federal Stimulus funds include:

- Complete the NEPA process for the total ELIPS. NEPA will be processed in two phases. The first phase will be complete by the end of August 2009 covering the late laterals scheduled to be operational by April 2010.
- Design and construct laterals 22.56, 40.86, 51.36, 58.75, and 59.28A covering a total of about 3200acres and involving about 20 miles of pipe ranging in diameter from 4in. to 7 ft. These laterals will be in operation by April 2010.
- Design and construct laterals Rocky Ford, Ryder, and Matheson covering a total of about 11,300 acres in and around the City of Grandview. These laterals will be in operation by April 2011.

- All Stimulus funds related work will be complete and billed by the end of September 2011.

Major components to be funded with YRBWEP funds include:

Design and construct 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, 29.94, 30.16, 30.20E, SN 9.04, 31.65, 32.18, 32.77, 33.21, 33.78, 34.60, 35.22, 35.51, 36.15, 36.52, 36.74, 37.37, 39.077, 39.70, 39.79, 42.33, 4.44, 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, 54.12, PR 0.37, and Benton 59.32 covering a total of about 31,500 acres. The exact schedule has not been determined but it is anticipated these laterals will be in operation by about 2025 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.