

WATER CONSERVATION UPDATE

Water 2025 Challenge Grant Program Request for Proposals – 2005

The request for proposals is here! This is a continuance of the “Water 2025 Initiative: Preventing Crisis and Conflict in the West.” Irrigation districts and other entities with water delivery authority located in the Western U.S. are eligible to apply for Water 2025 grants. The cost share cap is 50% federal up to \$300,000 per agreement. The total funding amount is not known yet, but is estimated to be up to \$20,000,000 in fiscal year 2025.

The objective of this request for proposal is to invite irrigation water districts and other entities with water delivery authority to leverage their money and resources in partnership with the Bureau of Reclamation. Emphasis for the “Water 2025 Challenge Grant Program for Fiscal Year 2005” will be directed toward proposals that make more efficient use of existing water supplies through water conservation, efficiency, and water marketing which can be completed within 24 months. Projects will be selected through a competitive process that will focus on achieving the outcomes identified in “Water 2025.” Eligible types of projects including automation and remote canal control, water banks, new technology, canal lining, and measuring devices.

More information on “Water 2025,” including Frequently Asked Questions, a sample proposal, and description of projects awarded in Fiscal Year 2004, can be found at www.doi.gov/water_2025.

For further information please contact Yuma Area Office Water Conservation Coordinator Mark Niblack at (928) 343-8253, mniblack@lc.usbr.gov.



Fiscal Year 2004 Water 2025 Challenge Grant Award Recognition Ceremony at Imperial Irrigation District Headquarters. From left: Bob Johnson, Bureau of Reclamation Lower Colorado Regional Director; Jesse Silva, IID General Manager; John Keys, Bureau of Reclamation Commissioner; Lloyd Allen, IID Board Director; and Jim Cherry, Reclamation Yuma Area Office Manager.

Annual Water Conservation Workshops Presented by the Bureau of Reclamation

For the ninth year in a row, the Water Resources Research Laboratory (WRRL) in Denver, Colorado, is offering their water conservation workshops.

“Basic Principles and Developments in Flow Measurement” is offered January 11-13, 2005. The tuition for this 3-day workshop is \$500 per person. This workshop deals specifically with flow measurement concepts, devices, instrumentation, and the WinFlume program to design long-throated flumes. This course covers open channel and closed pipe measurement methods and

instrumentation. A lab workshop session involves each student with hands-on flow measurement using different techniques and various types of water measurement equipment. A computer laboratory is also included in the class with in-depth coverage and application of a Windows-based program to design long-throated flumes.

“Modern Methods in Canal Operation and Control,” can be taken as a follow-up to the Flow Measurement workshop, or by itself. This class is a week long, and is offered January 24-28, 2005. Tuition is \$800 per person. This class covers modern methods to upgrade the operations of existing canals, including canal automation techniques and equipment. The class targets an audience of canal operators, watermasters, engineers, and other technical staff.

For more information on these classes, please visit the Water Conservation Workshops web site at:

http://www.usbr.gov/pmts/hydraulics_lab/workshop/s/index.html. You may also contact Yuma Area Office Agricultural Engineer Ty Mull at (928) 343-8231, tmull@lc.usbr.gov.



The canal model at the Water Resources Research Center, Denver Federal Center, Denver Colorado

Annual Irrigation Training and Research Center Courses Offered at Cal-Poly, San Luis Obispo

The Irrigation Training and Research Center (ITRC) at Cal-Poly San Luis Obispo, California, is offering a suite of irrigation-related courses in 2004 and 2005. This year’s classes include courses on

pump efficiency testing, flow measurement, canal operation, and supervisory control and data acquisition (SCADA).

The “Pump Efficiency Testing” class is offered December 8-9, 2004, at the ITRC on Cal-Poly’s campus. This course covers topics on general pump terminology, flow measurement in pipes, pressure and hydraulic head tests, and pump power measurement techniques. Tuition is \$40 per person for California residents and \$120 per person for out-of-state residents.

The Irrigation District School of Irrigation class series is sponsored by the Bureau of Reclamation and Cal-Poly. The class is offered for engineers, managers, technicians, board members, and field operators. The class is broken up into two series: a class for engineers, managers and technicians; and a class for field operators. The dates for the engineers, managers, technicians, and board members are to be announced. The field operators’ class is offered twice in 2005: January 11-13 and February 22-24. This course covers three main topics: general flow measurement in open channel and pipelines, flow measurement in canals, and canal modernization.

The general flow measurement class entails open channel and closed system hydraulics, common measurement devices, and how to take accurate readings. The canal flow measurement section covers weirs and flumes, computer-aided design for Replogle flumes, and acoustic velocity devices. The canal operators’ section covers the service concept, purpose of different check structures, water level vs. flow rate control; minimizing tail-end problems while still achieving good service, introduction to SCADA, and an interaction between canals and turnouts.

For more information on these and other classes offered by ITRC, please visit their website at www.itrc.org/classes/classindex.html or contact Yuma Area Office Agricultural Engineer Ty Mull at (928) 343-8231, tmull@lc.usbr.gov.

