



OREGON WATER RESOURCE DEPARTMENT
WATER CONSERVATION, REUSE AND STORAGE
GRANT PROGRAM

RECEIVED

AUG 29 2008

Project Name: Owyhee/Malheur LIDAR Assistance

WATER RESOURCES DEPT
SALEM, OREGON

Type of Grant Requested: [X] Water Conservation [] Reuse [] Above Ground Storage
[] Storage Other Than Above-Ground [Including Aquifer Storage and Recovery (ASR)]

Program Funding Dollars Requested: \$ 192,456 Total cost of planning study: \$ 472,537

Note: Request may not exceed \$500,000

Table with 2 columns: Applicant Name: Keith Kato, Co-Applicant Name: Organization: Malheur County Soil and Water Conservation District, Address: 2925 SW 6th Ave. #2, Ontario, OR 97914, Phone: (541) 889-2588, Fax: (541) 889-4304, Email: keith.kato@or.nacdnet.net

Table with 2 columns: Fiscal Officer Name: Keith Kato, Principle Contact: Keith Kato, Organization: Malheur County Soil and Water Conservation District, Address: 2925 SW 6th Ave. #2, Ontario, OR 97914, Phone: (541) 889-2588, Fax: (541) 889-4304, Email: keith.kato@or.nacdnet.net

Certification:

I certify that this application is a true and accurate representation of the proposed work for a project planning study and that I am authorized to sign as the Applicant or Co-Applicant. By the following signature, the Applicant certifies that they are aware of the requirements of an Oregon Water Resources Department grant and are prepared to implement the project if awarded.

Applicant Signature: [Signature] Date: 8-22-08

Print Name: Keith A. Kato Title: GIS Technician

Please give a brief summary of the planning study using no more than 150 words.

The aged irrigation delivery system within Malheur County, at current capacity, cannot be expected to provide sustained reliable water delivery to farmers. A system wide irrigation conservation plan is the goal of this planning study. The conservation plan will consist of two central elements. First, an ongoing inventory using GPS technology will provide digital reference and attributes of all structures in 4 irrigation districts. Second, high accuracy Light Detection and Ranging (LIDAR) data will be purchased through outside contractors. Using these primary two elements local, state, and federal agencies will be able to accumulate,

organize, maintain and create a conservation plan. The conservation plan will give irrigation districts the tools, information and research needed to secure funding to renovate aged water delivery systems, conserve water and improve water quality.