

# APPROPRIATIONS REQUEST FORM

## OREGON HOUSE DELEGATION

### FISCAL YEAR 2010

DEADLINE FOR SUBMISSION: FEBRUARY 13, 2009

**PLEASE NOTE: As required by the House Appropriations Committee, all requests will be made public on the requesting Member's website.**

**1. Project Title:** Bridge Hydro-Turbine Study

**2. Organization Name and address:**

Multnomah County  
501 SE Hawthorne, Suite 600  
Portland OR 97215

**3. Primary Contact name, phone number, mobile phone number, fax number and email:** Warren Fish

work) 503.988.5219

fax) 503.988.5440

[warren.fish@co.multnomah.or.us](mailto:warren.fish@co.multnomah.or.us)

**4. Project Location Address (if different from Organization):**

**5. Please describe the requesting organization's main activities, and whether it is a public, private non-profit, or private for-profit entity:**

Multnomah County's responsibilities largely consist of public safety (Jails, parole and probation, Sheriff, courthouse facilities) and human services (alcohol and drug tx, aging and disability services, mental health, health clinics, public health, school-based health clinics, SUN service system, anti-poverty programs, homeless services). We also run the local library system, animal services, and the Willamette River Bridges.

**6. Briefly describe the activity or project for which funding is requested (please keep to 500 words or less.)**

Multnomah County is studying the feasibility of generating clean electricity via low-flow hydro-turbines attached below the water line to piers of existing County owned bridges in the Willamette River. This project would determine the potential of generating 1,000,000 kWh per year from this clean and constant source of energy.

The project would help determine the optimal size, number and placement of hydro-electric turbines, and the amount of electrical power that may be generated. The study would compare generation costs to grid power, to other renewable power generation technologies, and to the cost of Renewable Energy Credits. Multnomah County will partner with the Army Corps of Engineers, U.S. Moorings, U.S. Fish and Wildlife Service, City of Portland and other stakeholders to execute the study. In addition, the County will consult with local authorities to determine requirements for carrying out work in navigable water ways and protecting local fish and wildlife.

**7. Has this project received federal appropriations funding in past fiscal years?**

No.

**7a. If yes, please provide fiscal year, Department, Account, and funding amount of any previous funding.** N/A

**8. Federal agency and account from which funds are requested (Please be specific –e.g. Department of Housing and Urban Development, Economic Development Initiatives account):**

Department of Energy - Energy Efficiency and Renewable Energy (EERE): Water Power Energy

**9. What is the purpose of the project? Why is it a valuable use of taxpayer funds? How will the project support efforts to improve the economy and create jobs in Oregon?**

Generating clean hydro electricity from the river flowing through Portland will help lower our energy costs. Low-flow hydro electricity is a potential sector of future business growth. It could have applications around the country.

**10. Have you requested funding for this project from other Members of Congress?**

**If so, who?** Yes, Senators Wyden & Merkley, Congressmen Wu & Schrader

**11. Funding Details:**

**a. Total project cost (all funding sources and all years):** Feasibility study of \$150,000

**b. Amount being requested for this project in Fiscal Year 2010:** \$150,000

**c. What other funding sources (local, regional, state) are contributing to this project or activity? (Please provide specific dollar amount or percentage.)**

None.

**d. Do you expect to request federal funding in future years for this project?**

Yes.

**e. Breakdown/budget of the amount you are requesting for this project in FY 2010. (e.g. salary \$40,000; computer \$3,000):**

Feasibility study: \$150,000

**f. Please list public or private organizations that have supported/endorsed this project:**

We are working out details of a partnership with the engineering department at a local university.

**g. Is this project scalable? (i.e. if partial funding is awarded, will the organization be able to use the funds in FY 2010?):**

No.

**Please return this form no later than February 13, 2009 (via email) to:**

[appropriations.blumenauer@mail.house.gov](mailto:appropriations.blumenauer@mail.house.gov)