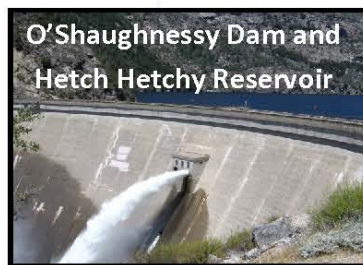


This newsletter presents findings from evaluation of the PIREwolf Productions Video Program for high school students.

## PIREwolf Productions High School Video Program

In April/May 2014, UCI PIRE faculty and graduate students developed entertaining and informative videos to educate high school students about the environmental impacts of human development and infrastructure demolition of the **O'Shaughnessy Dam** and **Hetch Hetchy Reservoir**. Videos were presented to students at **The Academy High School in Santa Ana, CA**, to raise their interest in science and the environment and prepare them for a debate.



**Students**  
(n = 119)  
51% Female  
79% URM

## UCI WATERPIRE PROJECT GOALS

- Goal 1: Knowledge/Research/Discovery
- Goal 2: Education/Workforce Development
- Goal 3: Partnerships
- Goal 4: Institutional Capacity

Student satisfaction with the program (1 = not at all satisfied; 5 = extremely satisfied)	Mean
Did the videos and scientists provide information to help you with your class assignment?	3.92
Were they personalized for your class needs?	4.05
Were the scientists friendly and personable?	4.64
Did the scientists show interest in your class?	4.62
Did the scientists show interest in whether you learned?	4.34

## Objectives of the PIREwolf Program

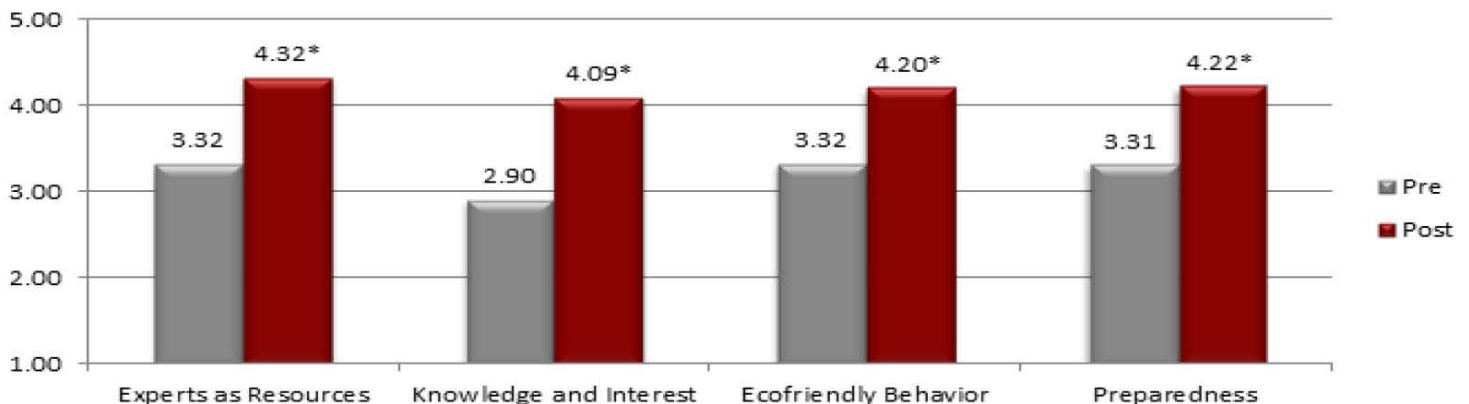
1. Increase students' perceptions of scientists as an outside resource.
2. Increase student's knowledge of the environmental impact of human development.
3. Increase students' ecofriendly behaviors.
4. Increase student's preparedness to participate in classroom activities.

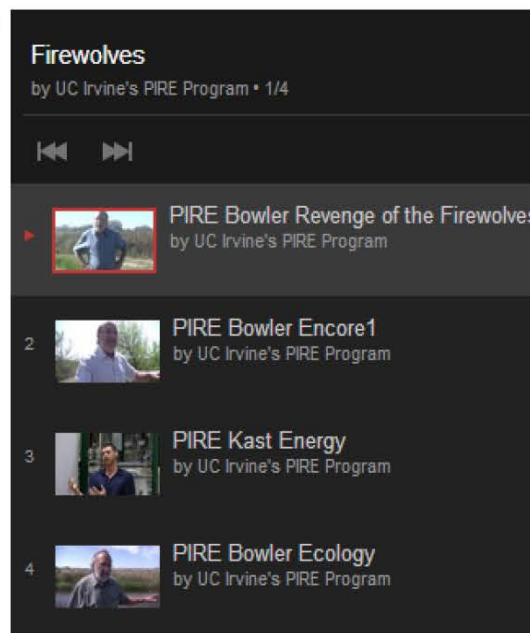
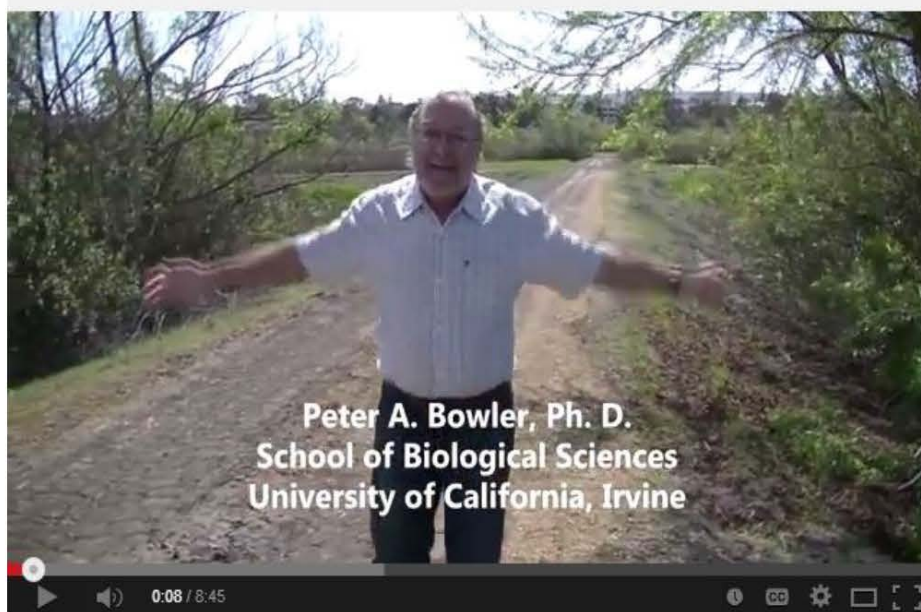
All program objectives were met. Students were positively impacted by program participation in all areas and gains were statistically significant.

**THE ACADEMY**

Learning Today, Leading Tomorrow

## Students' mean ratings on program objectives before and after program participation





**Kudos from Students**

“Thank You so much for the videos! I honestly didn't care about the project or the environment, specifically Hetch Hetchy, but after seeing the videos and learning more, **I am seeing the environment in a different way.** I will pay attention more to what is happening in our environment. Thank you once again UCI.”

“I am so thankful that you all take time to make videos and come into our class to make sure that we have a good learning experience. Thank you for also creating such amazing and creative projects that I am so excited to work on **making Science my favorite class.**”



### Next Steps of the UCI WaterPIRE Project

- Undergraduate PIRE Program (UPP) Down Under program: June 16 - July 25.
- Present at American Indian Summer Institute in Earth System Science (AISI ESS) program: July 8 - July 11.
- Review Goal 2-3 and develop Goal 1 and 4 milestones.
- Update organizational chart with new team leads.
- Continue research and publication efforts.
- Convene the WaterPIRE Advisory Board.

**Evaluator's Recommendations for the PIREwolf Productions Program**

- Continue to include females and under-represented minority students in upcoming programs.
- Expand the PIREwolf program to additional classes and additional schools.
- Make sure video and sound quality are high enough that students' can understand video content.
- Increase the degree to which the videos are directed to high school class' needs.
- Include visual aids in videos to engage students and help them understand that material.

**Upcoming Evaluation Activities**

- Evaluate UPP Down Under summer program and follow-up with 2012-13 participants.
- Evaluate WaterPIRE components of the UCI-sponsored AISI ESS program.
- Gather baseline data on new WaterPIRE participants.
- Administer annual post-survey to all project participants.
- Interview key personnel at participating US institutions.
- Meet with Goal 4 lead and attend Advisory Board meeting