A Case Study: Cooperative Agreement with Caltrans Opportunities and Challenges
Outline

- Background
- Founding of the Research Group
- Challenges
Office of Water Programs (OWP)

- Managed by Civil Engineering Dept.
- College of Engineering and Computer Science
- California State University, Sacramento
- University Enterprises Inc. (UEI)
History

- founded by Ken Kerri
- Late 60s
- Operator training program
- Number one provider in the Nation
History

Staff

- Ken Kerri
- Customer service staff (6)
- Technical Editors (2)
- An IT professional
- Students
OWP – Training Today

- Director/Associate Director
- Ken Kerri
- Admin Manager
- Customer Service Reps (5)
- IT Professionals (3)
- Tech Editors (3.5)
- An Instructional Technologist
- A Graphic Designer
- Students
OWP – Training Products
Caltrans

- 1994 NRDC Law Suit
- K. Kerri/J. Al-Kazily/ R. Mahmood
  - Assist Caltrans with the Court Order
- Planning and Review
- UC Davis
- 1998 – OWP research group is formed
PRE-GROUP FORMATION ISSUES

- An Agency Need
  - Project
  - Deployable Results
- Alignment with University’s Mission
- Startup Funding
PRE-GROUP FORMATION ISSUES

- Faculty
  - Teaching Load
  - Area(s) of Interest
  - Overload/Assigned Time

- Continuity
  - Academic Calendar vs. Project Schedule
PRE-GROUP FORMATION ISSUES

- Staffing needs
  - Job classification
  - Salary Survey
- Recruiting Staff
  - Time
  - Risk
- Funding and Timing
PRE-GROUP FORMATION ISSUES

- Space
  - Availability
  - Non-state space
- Organizational
  - System
  - Structure
Pre-Group Formation Issues

- Partnerships
  - Foundation/UEI
  - Agencies

- A Champion
  - Execution
  - Time commitment
Post-Group Formation Issues

- Staff Retention
  - Development
  - Compensation
    - Salary
    - Benefits
  - Retention

- Organizational Issues

- Space

- Partnerships
AGENCY PARTNERS

- Caltrans
- Integrated waste management board
- State water board
- Department of Health Services (now Department of Public Health)
AGENCIES

- Department of Toxic Substance Control
- Sacramento County
- El Dorado County
- CWEA
- USGS
Faculty Advisor (John Johnston)
Research Engineers (5)
A Chemist
A Geologist/GIS specialist
A Hydrologist
Admin Manager
Support Staff
Students
### Challenges

- Publishing
- CSU problem
- Intellectual Property/Owtenship
- Compensation
- Market forces
- Overhead rate

---

**Table 1: Pre-Permit COPE Cost Considerations and Preparing Future Costs**

<table>
<thead>
<tr>
<th>Location</th>
<th>Pre-Permit Cost Considerations</th>
<th>Preparing Future Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location 1</td>
<td>Pre-Permit Cost</td>
<td>Future Cost</td>
</tr>
<tr>
<td>Location 2</td>
<td>Pre-Permit Cost</td>
<td>Future Cost</td>
</tr>
<tr>
<td>Location 3</td>
<td>Pre-Permit Cost</td>
<td>Future Cost</td>
</tr>
</tbody>
</table>

---

**NPDES Stormwater Cost Survey**

Prepared by
Office of Water Programs
California State University, Sacramento
January 2005

---

License: GNU, Free Software

---

© Office of Water Programs 2009-2010 | ALL RIGHTS RESERVED