

OFFICE OF WATER PROGRAMS OFFICE OF WATER PROGRAMS



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





- An Agency Need
 - Project
 - Deployable Results
- Alignment with University's Mission
- Startup Funding





Faculty

- Teaching Load
- Area(s) of Interest
- Overload/Assigned Time
- Continuity
 - Academic Calendar vs.Project Schedule







- Staffing needs
 - Job classification
 - Salary Survey
- Recruiting Staff
 - Time
 - Risk
- Funding and Timing



- Space
 - Availability
 - Non-state space
- Organizational
 - System
 - **■** Structure





- Partnerships
 - Foundation/UEI
 - Agencies
- A Champion
 - Execution
 - **■** Time commitment





- 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 ToxicSubstance Control
- Sacramento County
- El Dorado County
- CWEA
- USGS





OWP - RESEARCH GROUP TODAY

- Faculty Advisor (John Johnston)
- Research Engineers (5)
- A Chemist
- A Geologist/GIS specialist
- A Hydrologist
- Admin Manager
- Support Staff

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Students





CHALLENGES

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

NPDES Stormwater Cost Survey



California State Water Resor Control Board

Office of Water Programs California State University, Sacramer



Alternative Approaches to Stormwat Prepared by: Center for Sustainable Cities University of Southern California

Brian Currier, Glenn L. Moeller

This paper presents the issues issued while stilling, designing, constituting, operating, and monthering 500 of the 35 MBM residued and occlaims features on the Operation structure (contrals, superior of the Castrano (IMP) Featured Invited Integrated. The installation of this other flow (IMP) is set in progress. Mart of the Residue (IMP) is set in the IMP is set in the

Location: BMP type	Influent Sources *	Drainage Area (acres)	Approximate Construction Costs ^b (Thousand \$s)
Los Angeles Sites			
I-605/SR-91: Infiltration Basin	91 westbound and cerritos MS	4.2	273
I-210 East of Oreas: CD6 TM	Westbound +210	1.1	30 (Est.)
(hydrodynamic device)			
I-210 East of Filmore: CDS TM	E&W I-210, and SR118 connector	2.5	30 (Est.)
I-5/I-605: EDB (Extended Detention Basin)	1-605 and 5 to 605 connector	6.8	142
I-605/SR-91: Extended Detention Basin	Southbound 605	4.2	137
Paxton Park & Ride: Media Filter	Park & Ride	1.3	331 (Est.)
Metro MS: MCTT (Multi-Chambered Treatment Train)	Maintenance station	4.6	893 (Est.)
Alameda MS:OilWater Sep.	Maintenance station	0.8	178
Eastern MS: Media Filter	Maintenance station	1.5	341
Footbil MS: Media Filter	Maintenance station	1.8	479

