

Stormwater Asset Management Forum

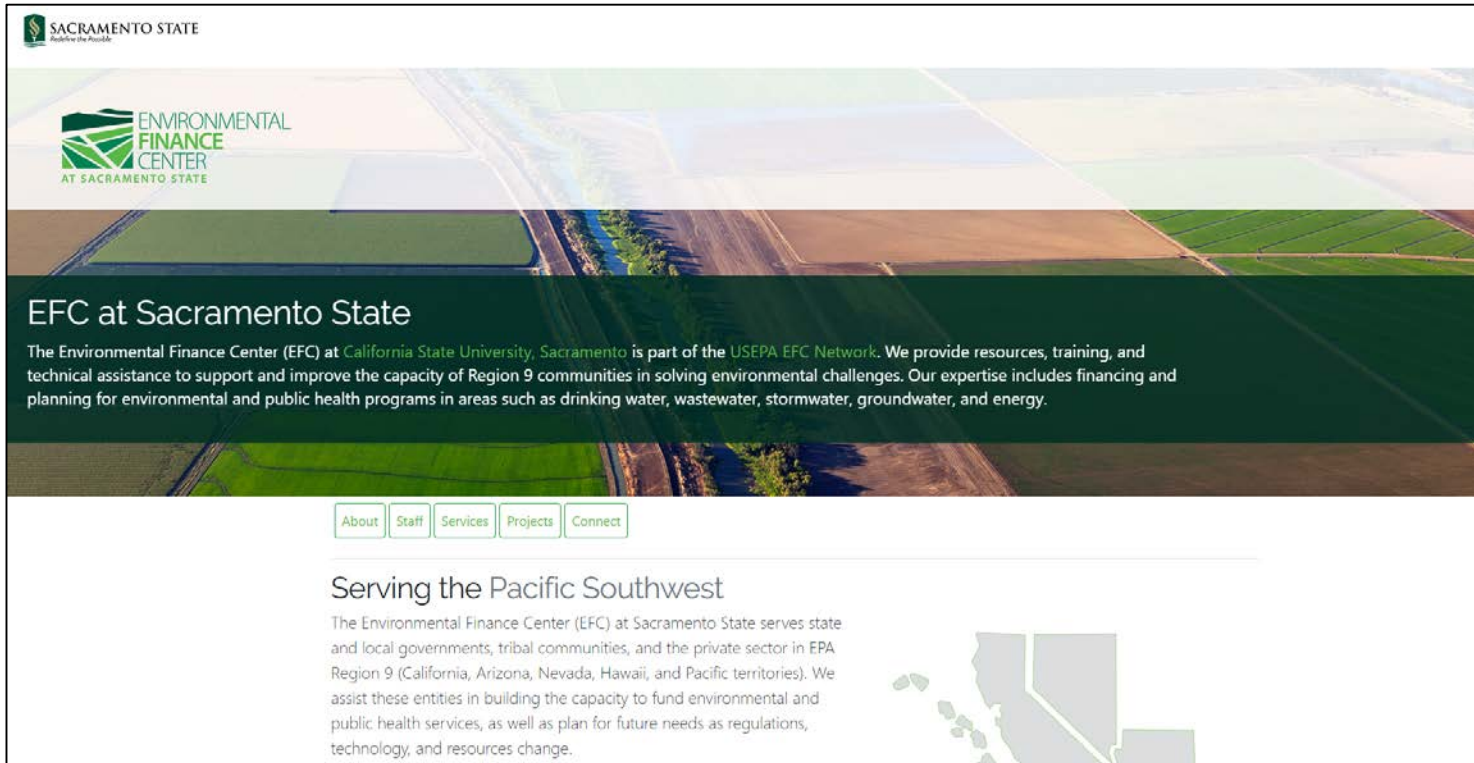


June 14, 2019



OWP and the EPA Region 9 EFC

- Expertise and tools for environmental finance



SACRAMENTO STATE
Redefine the Possible

ENVIRONMENTAL FINANCE CENTER
AT SACRAMENTO STATE

EFC at Sacramento State

The Environmental Finance Center (EFC) at [California State University, Sacramento](#) is part of the [USEPA EFC Network](#). We provide resources, training, and technical assistance to support and improve the capacity of Region 9 communities in solving environmental challenges. Our expertise includes financing and planning for environmental and public health programs in areas such as drinking water, wastewater, stormwater, groundwater, and energy.

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Serving the Pacific Southwest

The Environmental Finance Center (EFC) at Sacramento State serves state and local governments, tribal communities, and the private sector in EPA Region 9 (California, Arizona, Nevada, Hawaii, and Pacific territories). We assist these entities in building the capacity to fund environmental and public health services, as well as plan for future needs as regulations, technology, and resources change.

Growing demand on stormwater programs



Aging drainage infrastructure



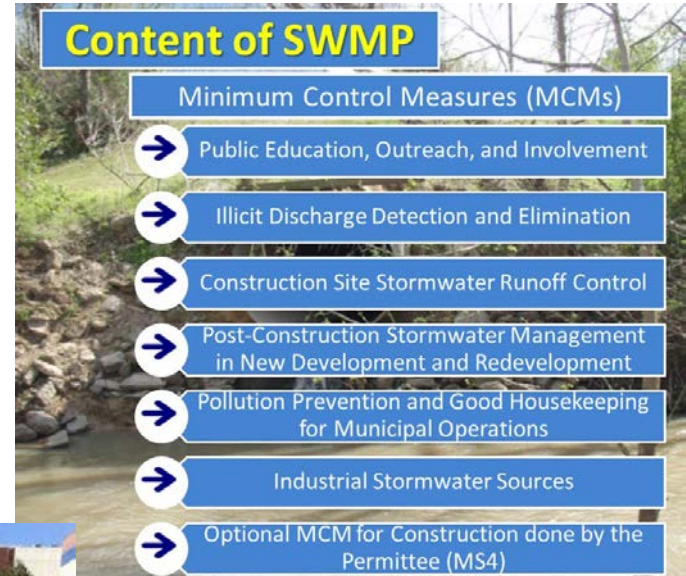
Climate change



New development



Retrofits for TMDL compliance



Content of SWMP

- Minimum Control Measures (MCMs)
 - Public Education, Outreach, and Involvement
 - Illicit Discharge Detection and Elimination
 - Construction Site Stormwater Runoff Control
 - Post-Construction Stormwater Management in New Development and Redevelopment
 - Pollution Prevention and Good Housekeeping for Municipal Operations
 - Industrial Stormwater Sources
 - Optional MCM for Construction done by the Permittee (MS4)

MS4 Permit compliance

Growing demand on stormwater programs



Aging drainage



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Retrofits for TMDL compliance



How much do we need?
How are we gonna get it?!

Content of SWMP

- Measures (MCMs)
- Outreach, and Involvement
- Education and Elimination
- Stormwater Runoff Control
- Stormwater Management
- Construction and Redevelopment
- Construction and Good Housekeeping
- Construction Operations
- Stormwater Sources
- Construction done by the MS4

Compliance

And so many decision to make

- ❖ What are the infrastructure components?
 - Where are they?
 - What are their conditions?
 - Which should be prioritized for replacement or repair?
 - Can I change my current O&M practices to reach expected life?
- ❖ What are all the things we're doing for permit compliance?
 - Labor, equipment, materials, analysis
- ❖ What new infrastructure will be built in the next years?
- ❖ How much is this all gonna cost?!
- ❖ How are we gonna pay for it??!

Asset Management

- ❖ Guides you through problem solving
 - Tracks infrastructure components and conditions
 - Prioritizes maintenance and replacement
 - Assigns costs
 - Evaluates funding options
- ❖ It doesn't save you; it helps you think things through

