Utility Incentives

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Background

• Mother of 2 children Maya and Michael Solis
• CA Registered Professional Civil Engineer
• Professional experience at the City, State, and Federal Government levels
• Professional experience in Private Consulting and within a Municipal Utility District
• Part-time Lecturer at California State University, Sacramento
• Board Member for Westlake Charter School, Sacramento, CA
Specific Project Experience

- Natural Gas Safety Emergency Management Guidance Document
- Securing State Revolving Loans, which contributed to funding wastewater treatment upgrade projects
- Wastewater and Water Treatment Rate Studies
- Capital Improvement Plans for Utilities
- Sutter County Multi-Hazard Disaster Management Plan, including a Flood Management Plan.
- Grant Officer for $1.9 million hazard mitigation grant from FEMA and OES for a project within the Feather River floodway
- Integrated Regional Water Management Plan: Yuba and Sutter Counties
Specific Project Experience

- Yuba City Stormwater Management Program
- Community Rating System – City of Sacramento and Yuba City
- Secured approximately $14 million dollars in Federal stimulus grant funding
- Regional Wastewater Feasibility Study: City of Live Oak, Yuba City, and Sutter County
- Urban Water Management Plan (UWMP): Yuba City
- Solar Projects & Co-Generation Projects
Specific Project Experience

- Regional Recycled Water Feasibility Study: City of Yuba City, Marysville, and the Linda County Water District
- Financial Management Project Team: City of Sacramento
- Emergency Response Plans: City of Sacramento
- City of Sacramento General Plan: City of Sacramento, Utilities Department representative on the Policy, Planning, and Technical Teams that developed the City’s revised General Plan.
- Developed a Downtown Combined Sewer System Development Master Plan: City of Sacramento
- Freeport Regional Water Project Coordinator, EBMUD
- San Francisco Bay Area Catastrophic Recovery Plan: FEMA and CALOES
Integrated Set of Resilience Strategy Incentives - Utilities

• What Utilities are we talking about?
  • Water, Wastewater, Electric, Natural Gas, Propane, Telecommunications, Cable, Stormwater, Rail, Transportation, etc.

• What do all these Utilities have in common?
  • The majority of these Utilities exist within the public right of way

• Who controls the Public Right of Way?
  • Local City or County Government
Integrated Set of Resilience Strategy Incentives - Utilities

• An integrated approach to building utility resiliency can occur at the City and County Government level.
• Local governments approve encroachment permits and can encourage utilities to build in resiliency to maintain encroachment permits and protect the health, safety, and vitality of the local community.
• Local governments can develop Utility Resiliency Integrated Programs (URIP) that are based on a collaborative approach.

“A new approach is necessary—one focused on capturing all of the potential incentives provided by both the public and private sectors for pre- and post-hazard investment. The most cost-effective manner to achieve resilience is through a holistic and integrated set of public, private, and hybrid programs based on capturing opportunities available through mortgages and loans; insurance; finance; tax incentives and credits; grants; regulations; and enhanced building codes and their application. This focus on private/public sector opportunities to incentivize action is called “incentivization.” Quoted from Developing Pre-Disaster Resilience Based on Public and Private Incentivization, October 2015.
Utility Resiliency Integrated Programs (URIP)

• Our Resilient Community needs a slogan, a sales pitch, a social media campaign, commercials, we need **POPULARITY**, we need our own Movie Star!

• Stephen Covey’s 7 Habits of Highly Effective People

• The 8th Habit®: From Effectiveness to Greatness

• The 9th Habit: From Moderate Utility Resiliency to Integrated and Effective Utility Resiliency
URIP Tool Box

• Education at the K – 12: Include Resiliency in the classroom curriculum
• Include a College Level Resiliency Course for all engineering, construction management, political science, environmental, etc. programs
• Local City Council’s and County Board of Supervisors adopt ordinances that require resilient communities
• Can be accomplished through existing processes (e.g. LAFCO, Economic Development Departments)
URIP Advertisement
I've been asked to explain our disaster preparedness plan.

In the event of famine, turn your keyboard upside down and shake.

If it's anything like mine, you'll find a pound and a half of crumbs.

In the event of an alien invasion, your best bet is to kill a co-worker to show your allegiance to the lizard-people.

In the event of an impending collision with an asteroid, try running in place while the Earth rotates.

If you time it right, you'll be on the other side of the planet when the asteroid hits.

To prepare for every other type of disaster, I recommend cultivating a taste for human flesh.

Your presentation is a disaster. And next time you'll be prepared for it.

Tags: natural disasters
Questions? Preguntas?
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