# FORA, MRWPCA & MCWD Three Party Planning (TPP)Effort

**Win-Win-Win:** A Three Party Planning agreement results in substantial cost savings to all three parties, and gets FORA closer to fulfilling it's Water Augmentation Obligation.

## Presentation to FORA Admin Committee

January 13, 2016

*Peter Said,*
*Project Specialist*

# Introduction

- Introduction:
  - FORA staff is providing an overview of the Water Augmentation Program
    - The Purpose, A brief History and an Overview
    - The RUWAP Recycled Project & Pure Water Monterey,
    - The RUWAP Secondary Project
    - Program Optimization and Efficiencies
    - The FORA BOARD Next Steps
  - FORA staff is bringing forward a resolution to recommend the Pure Water Monterey Project to the California Public Utilities Commission

# Preview

1. **February:** Recommend Pure Water to the Public Utilities Commission

2. **March:** Consider a “Pipeline Financing Agreement”

3. **April:** Consider an RFP for an Alternatives Study

# Purpose

The 1997 Base Reuse Plan's Environmental Impact Report determined:
2,400 AFY are to be provided to mitigate for the BRP impacts

**The Water Augmentation Program's purpose is to facilitate 2,400 AFY of water augmentation to the Ord Community through a portfolio of projects.**

# FORA MWRPCA & MCWD Timeline

**1997 JUN -** BRP, EIR **approved 2,400 AFY** of augmentation water.
**1998 DEC -** Facilities Agreement instructs on water usage and construction

**2005 JUN –** Approval of RUWAP (Regional Urban Water Augmentation Program)
**2007 JUN –** Resolution 07-10 **allocated 1,427 AFY recycled** water to land use jurisdictions (The RUWAP Recycled Project)

**2008 APRIL –** Resolution 08-07 endorsed regional plan.
But, has **defaulted back to the RUWAP** without a regional plan

**2008 THRU 2015 -** MPRWA, MRWPCA, & MCWD In negotiations

**2015 OCT - FORA Endorsed MRWPCA's** Pure Water Monterey
**FORA Approved up to $157,000** in FY 2016/2017
To facilitate a Three Party Planning effort (TPP)

**2015 DEC - Joint planning process begins** with MCWD & PCA to refine scope

# Additional Background

FORA

## Multi-Agency Agreements

**7 years of Negotiation: 2008-2015**

MPWMD + MRWPCA + MCWD have been negotiating source, supply and use of facilities for various projects, including Pure Water Monterey

Negotiations are almost concluded, the projects are ready for recommendations and actions.

There are 2 Water Augmentation Projects that work hand in hand with the Agencies negotiated Projects

1. **RUWAP Recycled Project:**

   Supplies 1,427 AFY of Recycled Water.

2. **The Secondary Project**

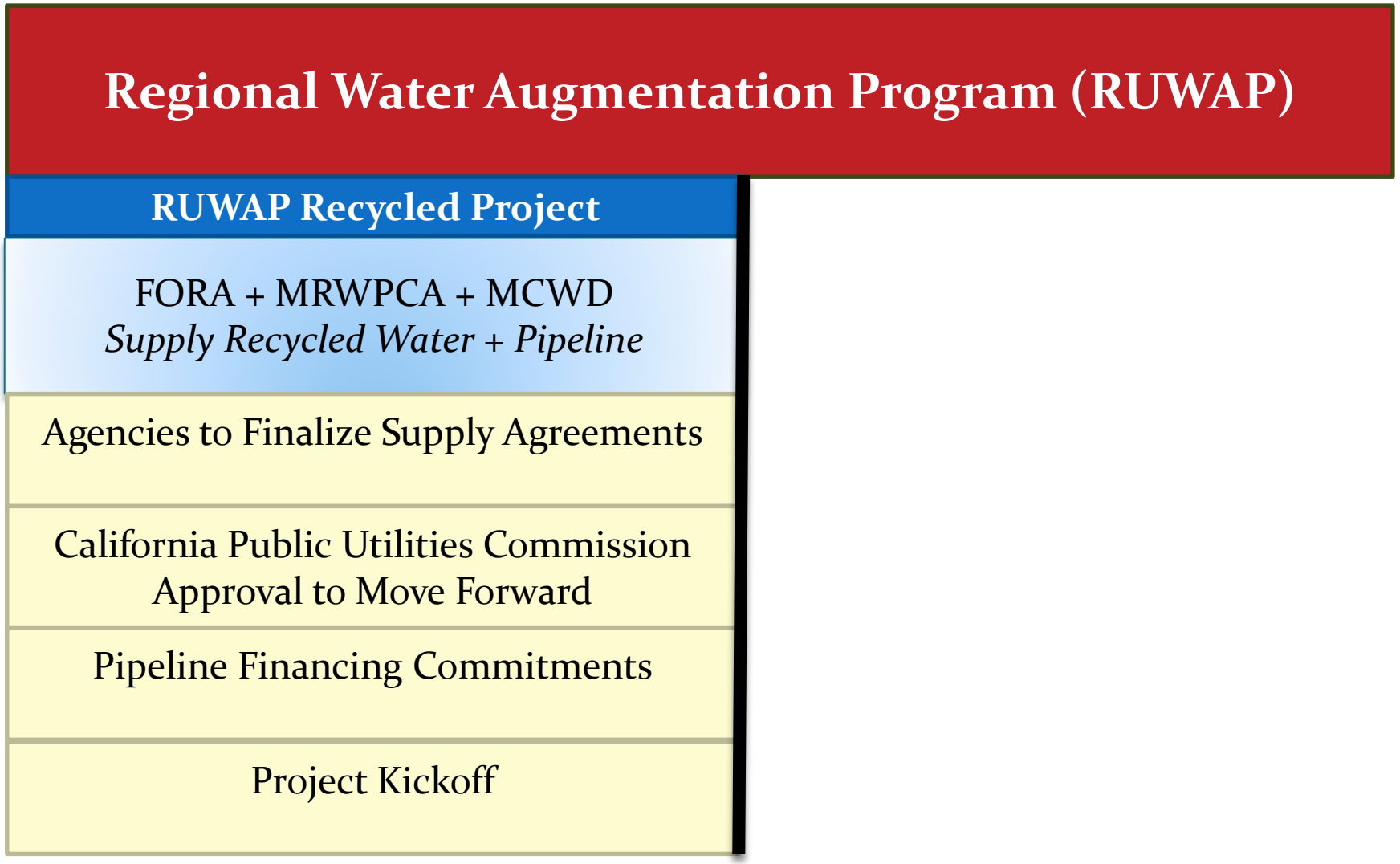
   Determines how to meet the remaining obligation

# Block Diagram

## Regional Water Augmentation Program (RUWAP)

| RUWAP Recycled Project | RUWAP "Secondary Project" |
| --- | --- |
| FORA + MRWPCA + MCWD<br>*Supply Recycled Water + Pipeline* | FORA + MRWPCA + MCWD to<br>*Study & Identify Project* |
| Agencies to Finalize Supply Agreements | Three Party MOU |
| California Public Utilities Commission Approval to Move Forward | Consultant Selection |
| Pipeline Financing Commitments | Study & Identify Options |
| Project Kickoff | FORA Board Selection |
| | RUWAP CEQA Re-Evaluation |

# Block Diagram



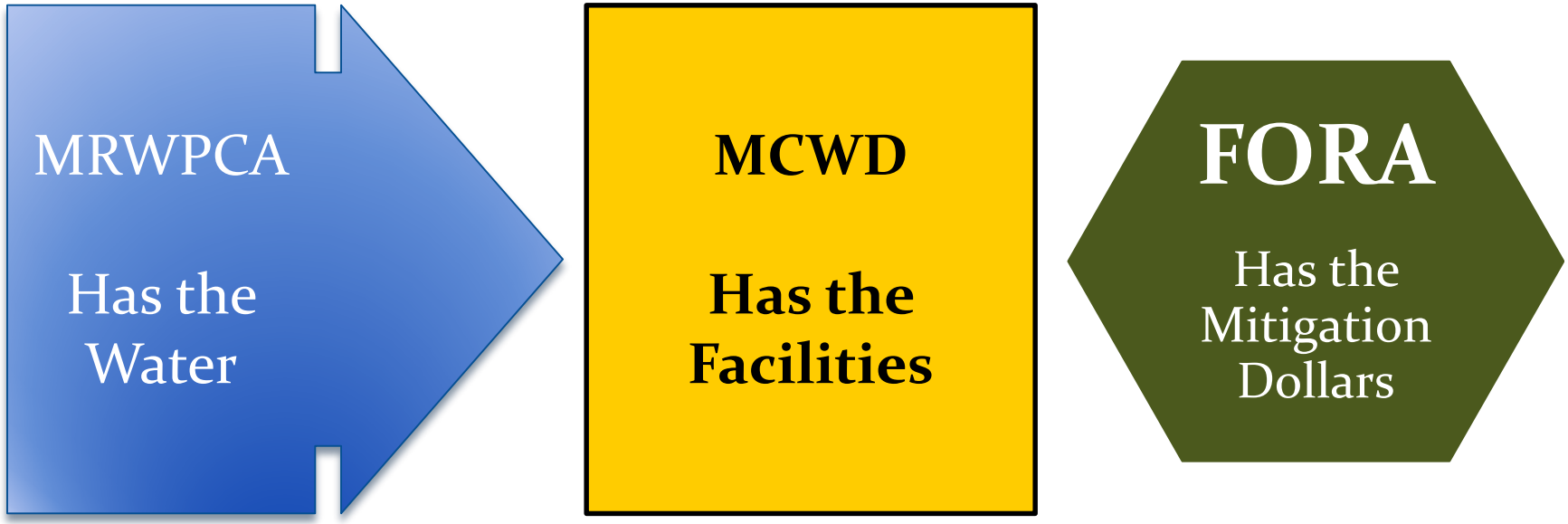
# RUWAP Recycled

# FORA CIP Dollars are Key

- FORA CIP Budget has assigned **$** for Water Augmentation for the last **7+** years
- FORA **$** provides for facilities that allow the negotiated projects to work
- FORA **$** can be spent in a way to decrease the cost to the rate payer
- FORA **$** lubricates multi-agency cooperation

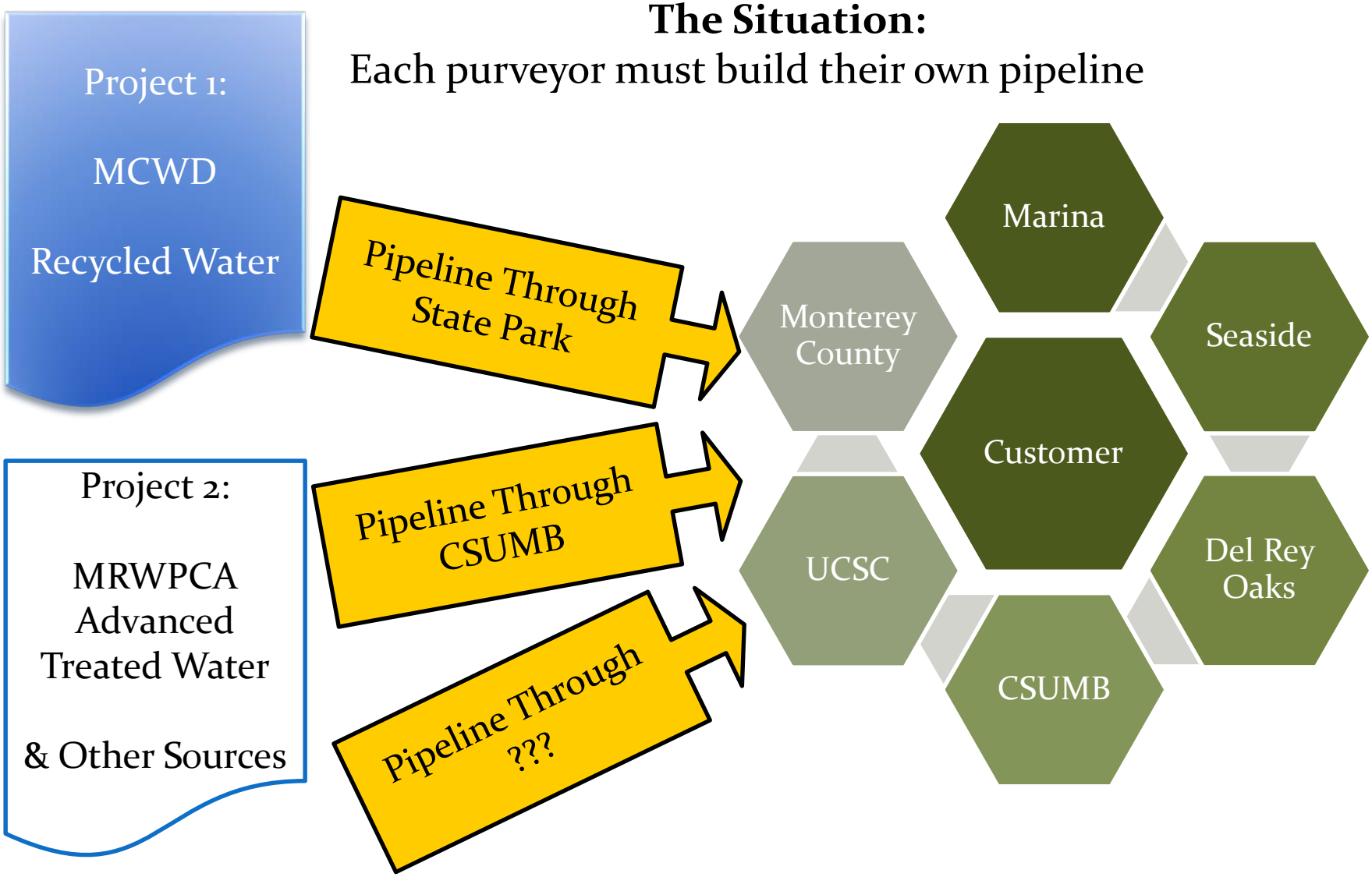
# Recycled Cost

## Why The Three Parties?



# RUWAP Recycled

**The Situation:**
Each purveyor must build their own pipeline



# RUWAP Recycled

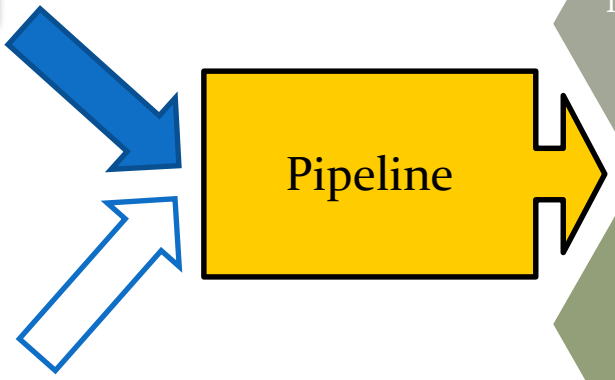
**FORA's Support of a single Pipeline**
Facilitates a low cost, low impact solution for the Reuse of the former Fort Ord

RUWAP Recycled:

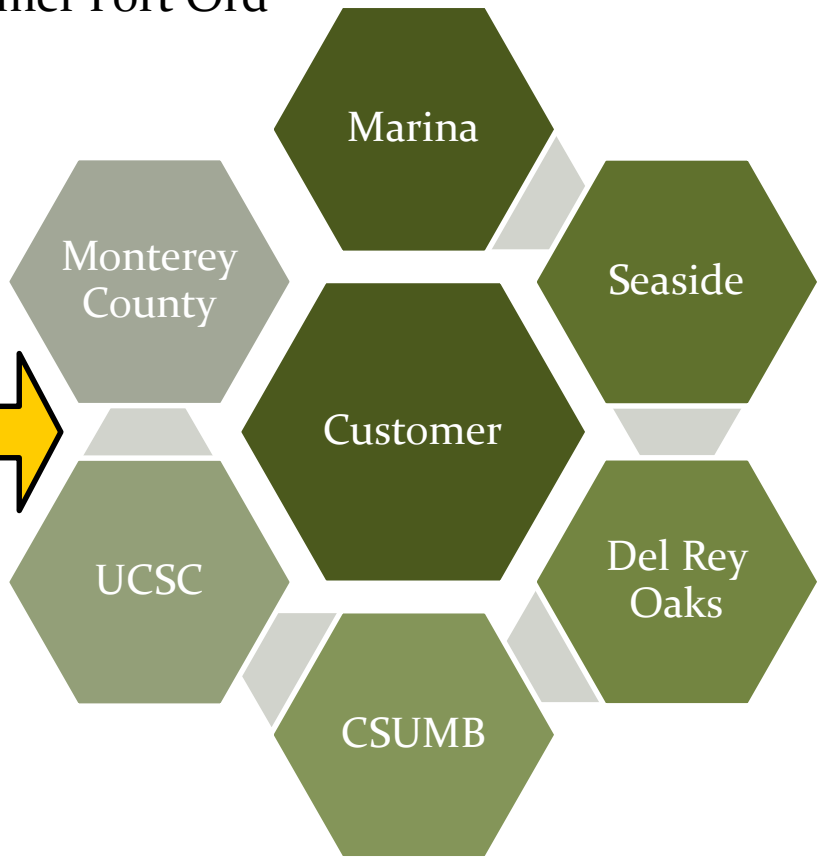
PURE WATER MONTEREY

RUWAP Secondary:

TBD & Other Sources



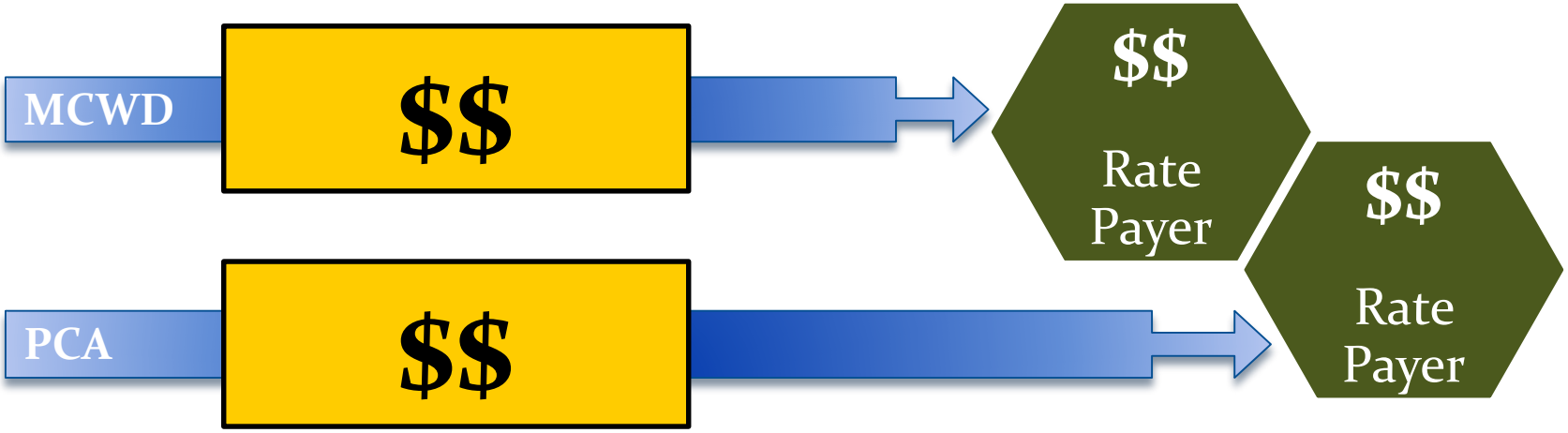
Pipeline

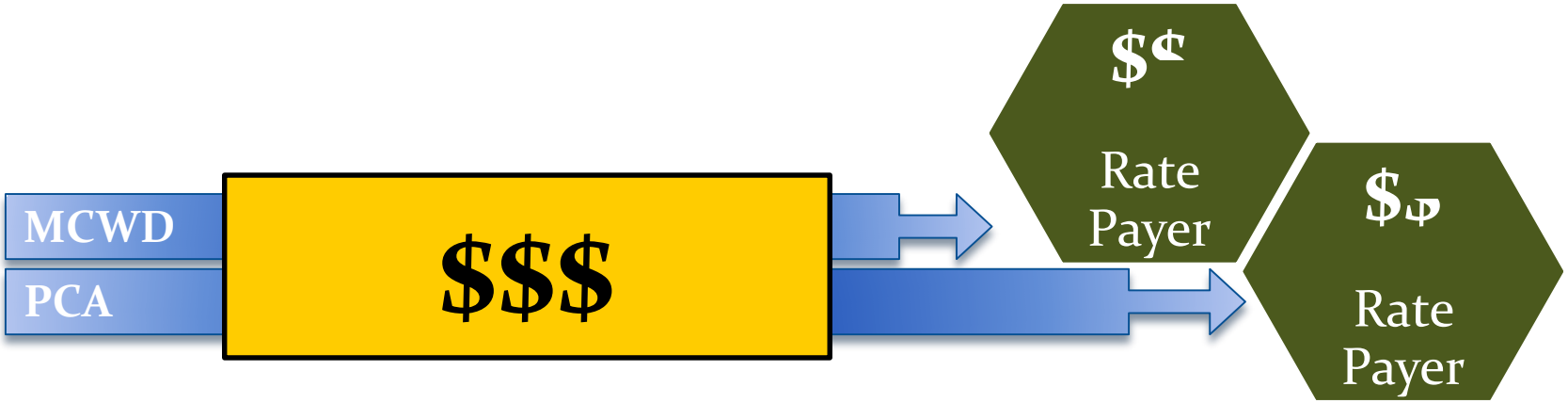


# Recycled Cost

## THE PRIMARY ISSUE:

### HOW MUCH COST GETS PASSED ON TO THE RATE PAYER?



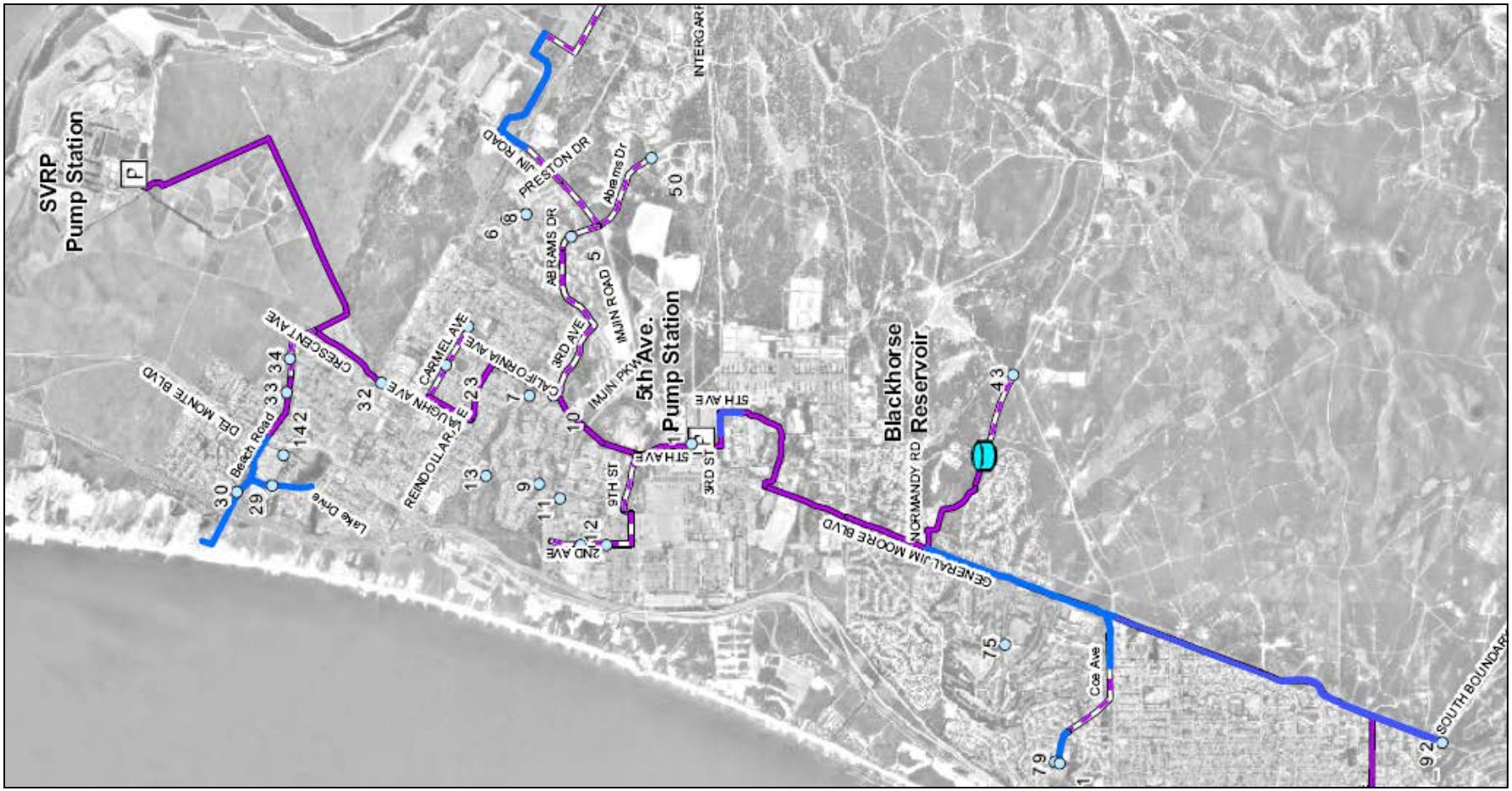



# RUWAP Recycled

## FORA NEEDS A PIPELINE
## To convey recycled water to the Ord Community

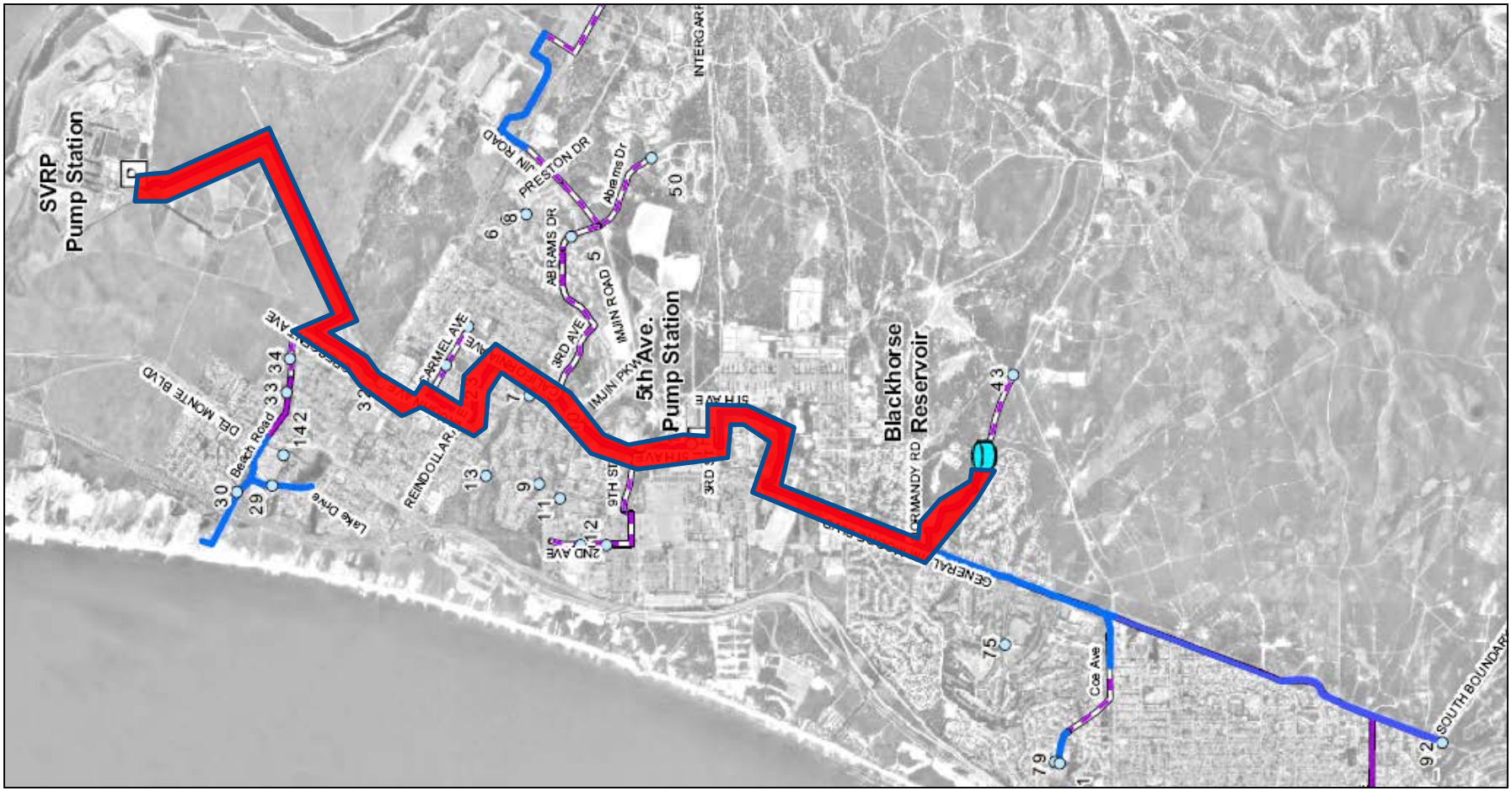
- There is no 'Pipeline' without CPUC approval of Pure Water Monterey
- MRWPCA needs a recommendation to CPUC to help enable the 'Pipeline' Project
- Commit CIP $ to provide for new 'Pipeline' facilities alongside MCWD and MRWPCA

# RUWAP Recycled




**MCWD Existing & Planned Facilities**

# RUWAP Recycled




**New 'Pipeline' Facilities**

# Recycled Benefits

## MRWPCA's PURE WATER PROJECT
## & Single Pipe Solution

- ✓**Saves the region money**
- ✓**Prevents environmental impacts of multiple pipelines**
- ✓**Solves 2/3 of FORA Water Augmentation before 2020**

# Block Diagram

## Regional Water Augmentation Program (RUWAP)

**RUWAP Recycled Project**

FORA + MRWPCA + MCWD
*Supply Recycled Water + Pipeline*

Agencies to Finalize Agreements

**California Public Utilities Commission Approval**

Pipeline Financing Commitments

Project Kickoff

**October 9, 2015**
FORA Unanimously Endorsed Pure Water Monterey Project

**November 24, 2015**
MRWPCA Board approved Implementation

**December 2015**
MRWPCA and MCWD Boards approved terms of Agreement

# Pure Water Next Steps

## Pure Water Monterey

**April 2016:** MRWPCA will present to the California Public Utilities Commission.

Therefore,

**FORA Staff recommends a resolution to support the Pure Water Monterey Project to the California Public Utilities Commission**

# Questions

**Why should the BOARD Recommend**
**MRWPCA's Pure Water Project to the Public Utility Commission?**

1. MRWPCA is ready now, and has the necessary backing and agreements in place.

2. MRWPCA can delivering at a lower cost to the rate payer than Desal, with FORA commitment

3. MRWPCA is able to deliver the recycled component of the Base Reuse Plan's mitigation obligation.

# What does recommending MRWPCA Mean?

1. FORA accepts Pure Water Monterey's Project as **a mitigation solution**

2. FORA is **committed to assigning it's mitigation dollars** towards the project through Pipeline Financing Commitments

# What Happens if Pure Water Monterey is Approved by the CPUC?

FORA CIP budget for Water Augmentation has set aside funds.

FORA BOARD to consider a portion of those funds to provide for the design and construction of New Facilities

WWOC will oversee the planning and provision for New Facilities per the 1998 Facilities Agreement

# What about the remaining obligation?

1. It will take 20+ years to for the all the mitigations to be fully realized.

# Block Diagram

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# Block Diagram

## Regional Water Augmentation Program (RUWAP)

**Simple three party Scope:**

1. Fund a Study
2. Establish a Technical Advisory Group
3. Establish a Consultant Selection committee
4. Enables FORA BOARD to select Secondary Project

**RUWAP "Secondary Project"**

FORA+MRWPCA+ MCWD to *Study & Identify Project*

Three Party MOU

Consultant Selection

Study & Identify Options

FORA Board Selection

RUWAP CEQA Re-Evaluation

# The Outcome of the Study:

1. FORA Board selects water augmentation alternatives
2. FORA Board selects preferred water augmentation mix
3. Purveyors define projects based on FORA selection
4. Path forward for all parties is identified

# Next Steps:

# NEXT STEPS

**April:**

Consider an RFP for an Alternatives Study

# NEXT STEPS

## QUESTIONS?

1. **February:** Recommend Pure Water to the Public Utilities Commission

2. **March:** Consider a “Pipeline Financing Agreement”

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## Additional Information

# Pure Water Monterey

Provides Advanced Treated Water for various programs in the Monterey Area.

It is distinct from the RUWAP Recycled Project

However, It can share new facilities with the RUWAP Recycled Project in the form of a 'Pipeline' (Product Conveyance Facilities).

Further, MRWPCA will supply MCWD with some Recycled Water

# Details

FORA

# Pure Water Monterey

**Takes Water that would be lost to evaporation or washed out to the Ocean from:**

- Ag company washing stations
- Ag land drainage ditches
- Ag water that would go into the Salinas River
- Urban Storm-water runoff

**And Subjects it to a 4 Step Treatment:**

- **Ozone** destroys Pesticides and Pharmaceuticals ($O_3$ liquid Oxygen)
- **Filtration** removes Virus and Bacteria
- **Reverse Osmosis** removes heavy metals, salts, and pesticides
- **Ultra-Violet** treatment disinfects the water