



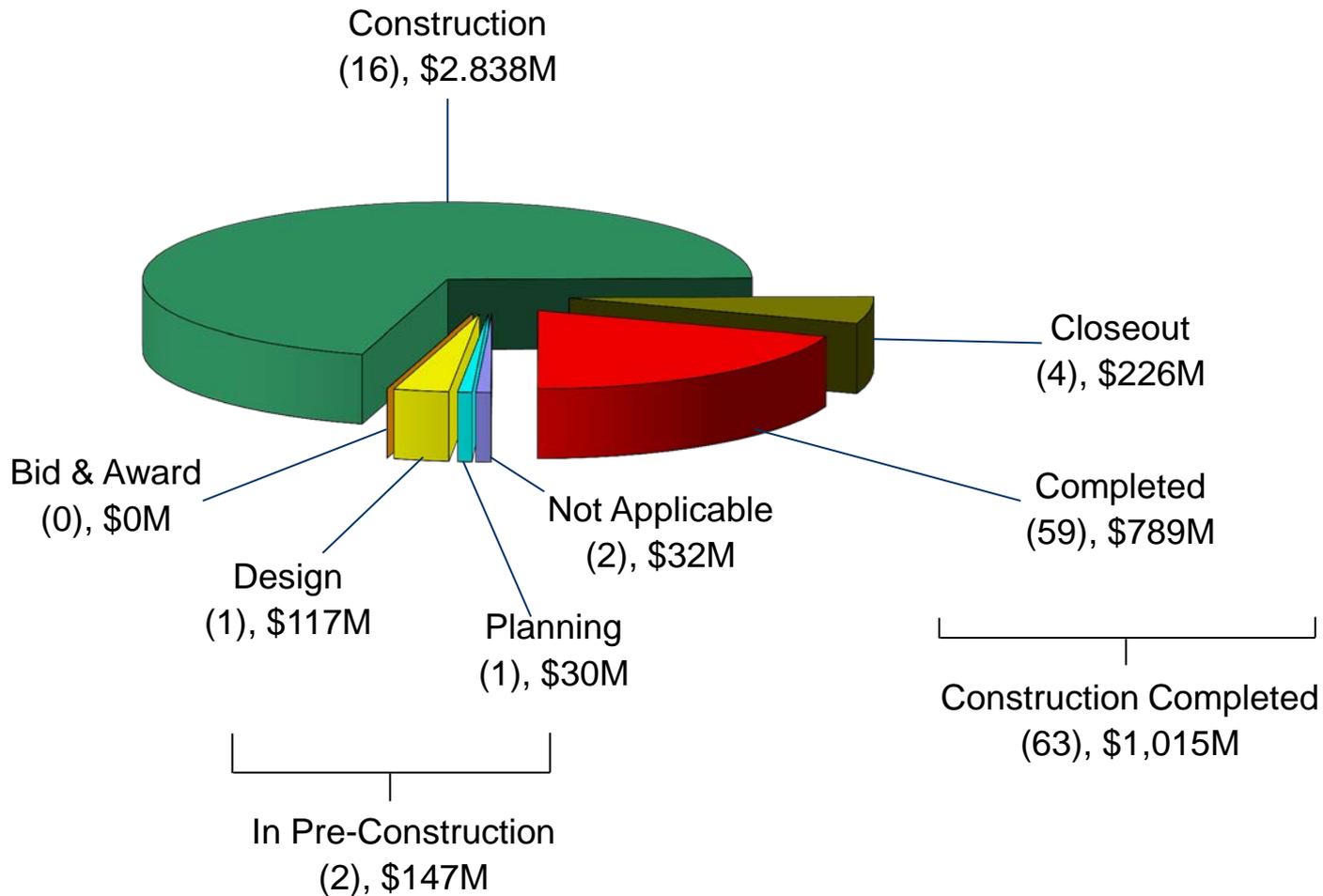
# **WSIP Quarterly Update** **Q4 | FY 2013 – 2014**

## **Revenue Bond Oversight Committee**

**October 6, 2014**  
**Daniel L. Wade, WSIP Director**  
**Infrastructure**

# Program Status

As of June 30, 2014



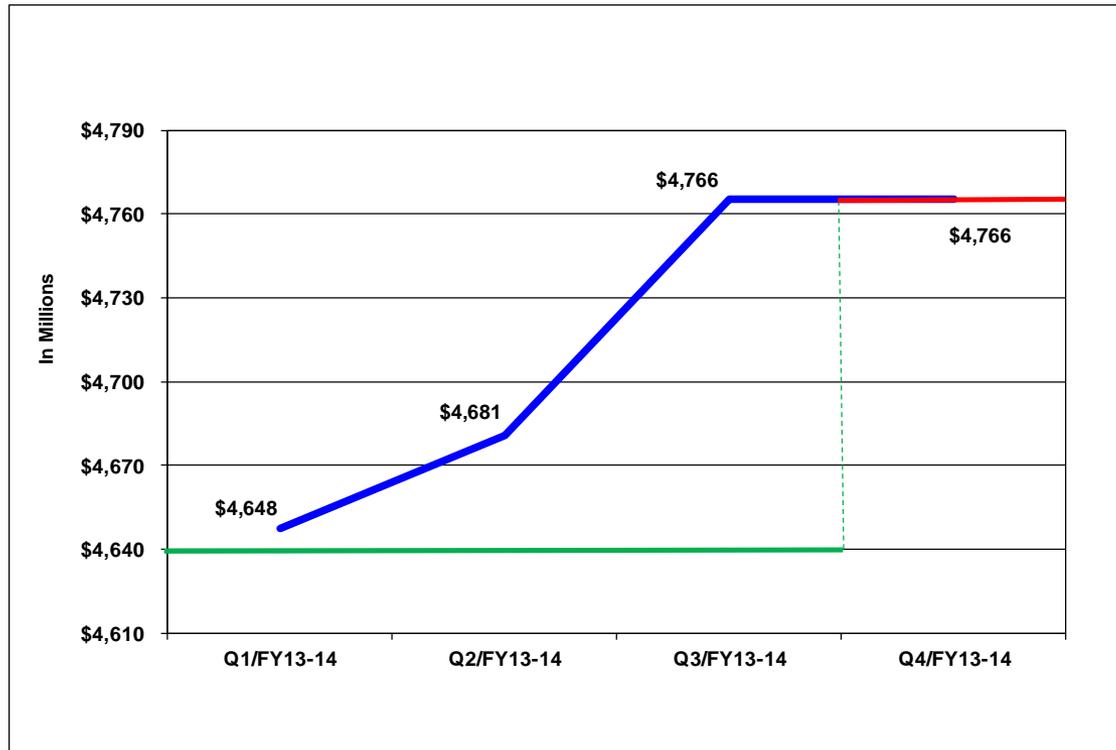


# Accomplishments

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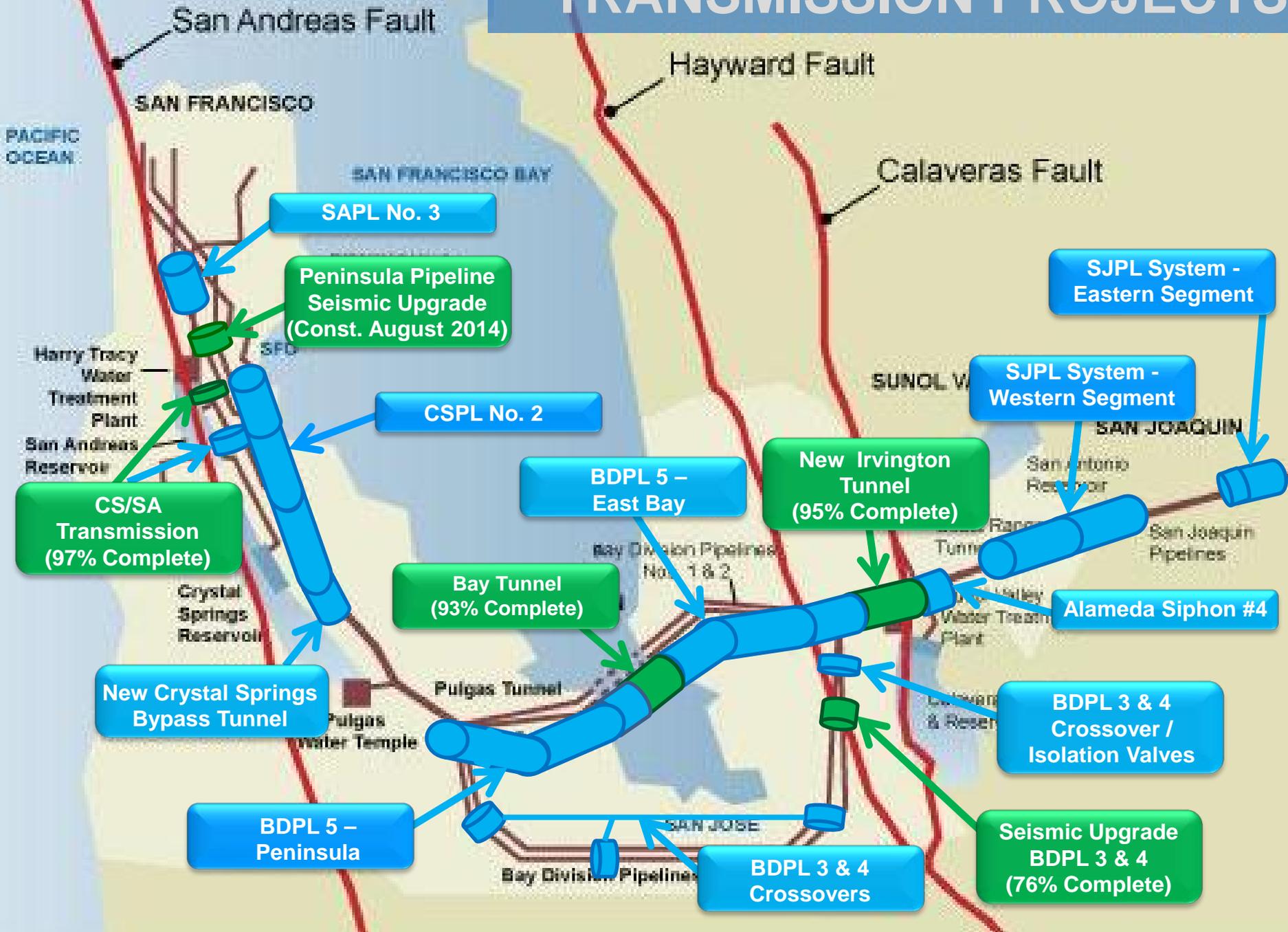
- Environmental Permitting Completed: Peninsula Pipelines Seismic Upgrade
- Issued Notice to Proceed for Construction Contracts:
  - Peninsula Pipelines Seismic Upgrade
  - Contract 3 - System Security Integration (SSI)
- Construction Substantially Completed: Crystal Springs / San Andreas Transmission Upgrade
- Project Completion: BDPL Nos. 3 & 4 Crossovers
- Safety record based on 6.4 million recorded hours
  - Lost Time Incidence Rate = 0.65 (vs Industry Average of 1.4)
- Completed 163 of 197 system shutdowns
- Achieved Level of Service (LOS) on 33 of 44 Regional Projects with LOS goals
- Published WSIP Staff Transition Plan
- Celebrated WSIP 10-Year milestone

# Program Cost Trend



- = Forecasted Cost at Completion (Includes funding for Local Water Supply projects)
- = 2013 Approved Budget (Includes funding for Local Water Supply projects)
- = 2014 Approved Budget (Includes funding for Local Water Supply projects)

# TRANSMISSION PROJECTS





# Pre-Construction Update

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- Alameda Creek Recapture
  - Continued work on the Conceptual Engineering Report
  - Work on project EIR to start in Fall 2014
- Peninsula Pipelines Seismic Upgrade
  - Notice to proceed issued April 28, 2014
- Regional Groundwater Storage and Recovery
  - Response to comments on Draft EIR issued July 2014
  - Final EIR certified August 7, 2014
  - Project Approval anticipated August 12, 2014
  - Advertise for Construction Bids September 2014



# Calaveras Dam Replacement



# CDRP Safety – 150,000 Hours Completed

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New Irvington Tunnel



# New Irvington Tunnel Pipe Installation





# New Irvington Tunnel Pipe Buckling



# Project Status

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- Removed damaged section of tunnel lining
- Investigating the cause of pipe buckling
- Investigating areas of tunnel adjacent to damaged section and in other areas of tunnel where similar high groundwater inflows occurred during tunneling and grouting operations
- Developing a repair plan
- Implement repairs at damaged section of tunnel
- Repair other areas of tunnel, if necessary
- Current delay estimate: 2 to 4 months

# Bay Tunnel



# Seismic Upgrade BDPL Nos. 3 & 4



# HTWTP Long-Term Improvements



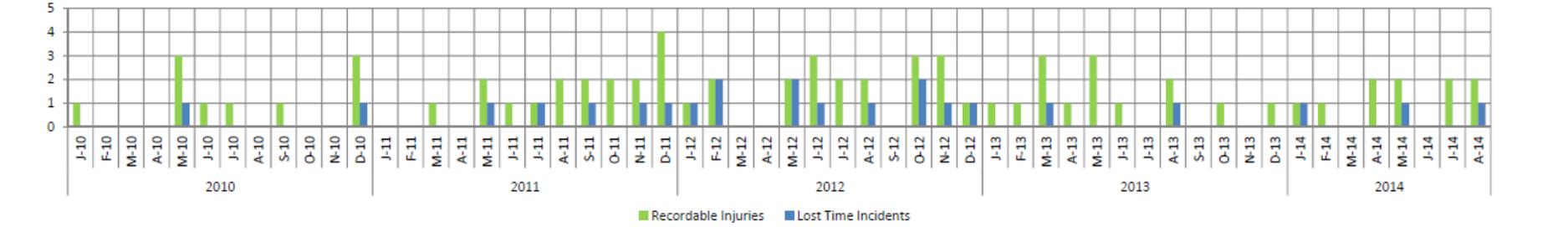
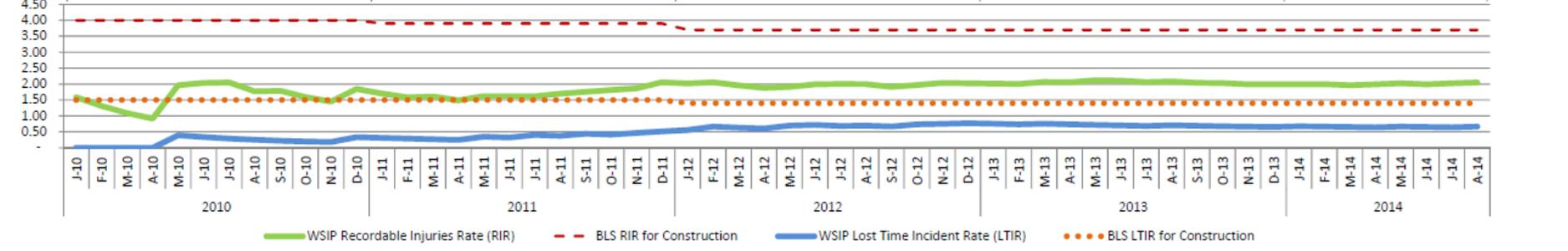
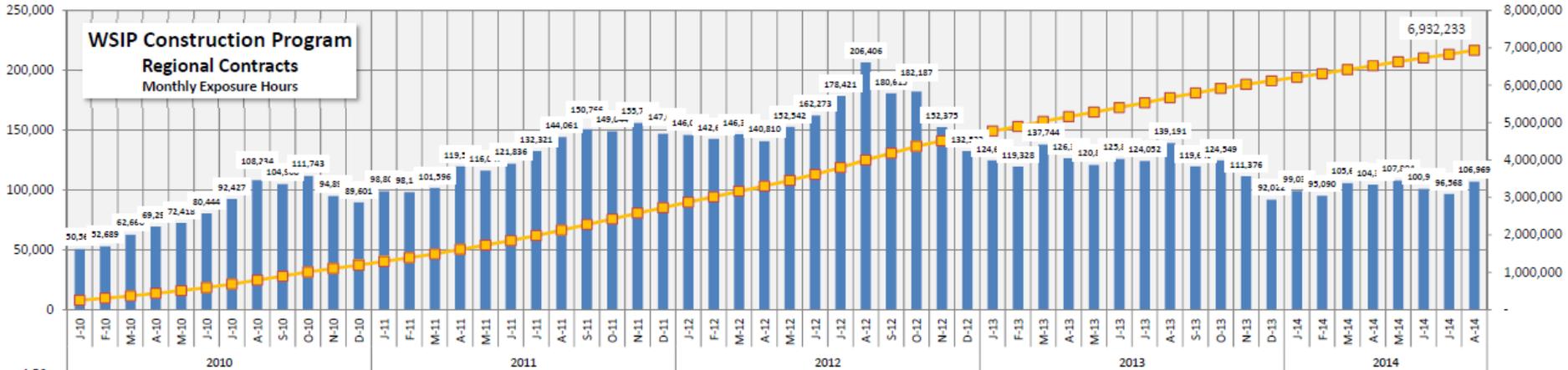
**WSIP**

**Regional Construction Program**

**Status of Active Construction Contracts**

**August 2014**



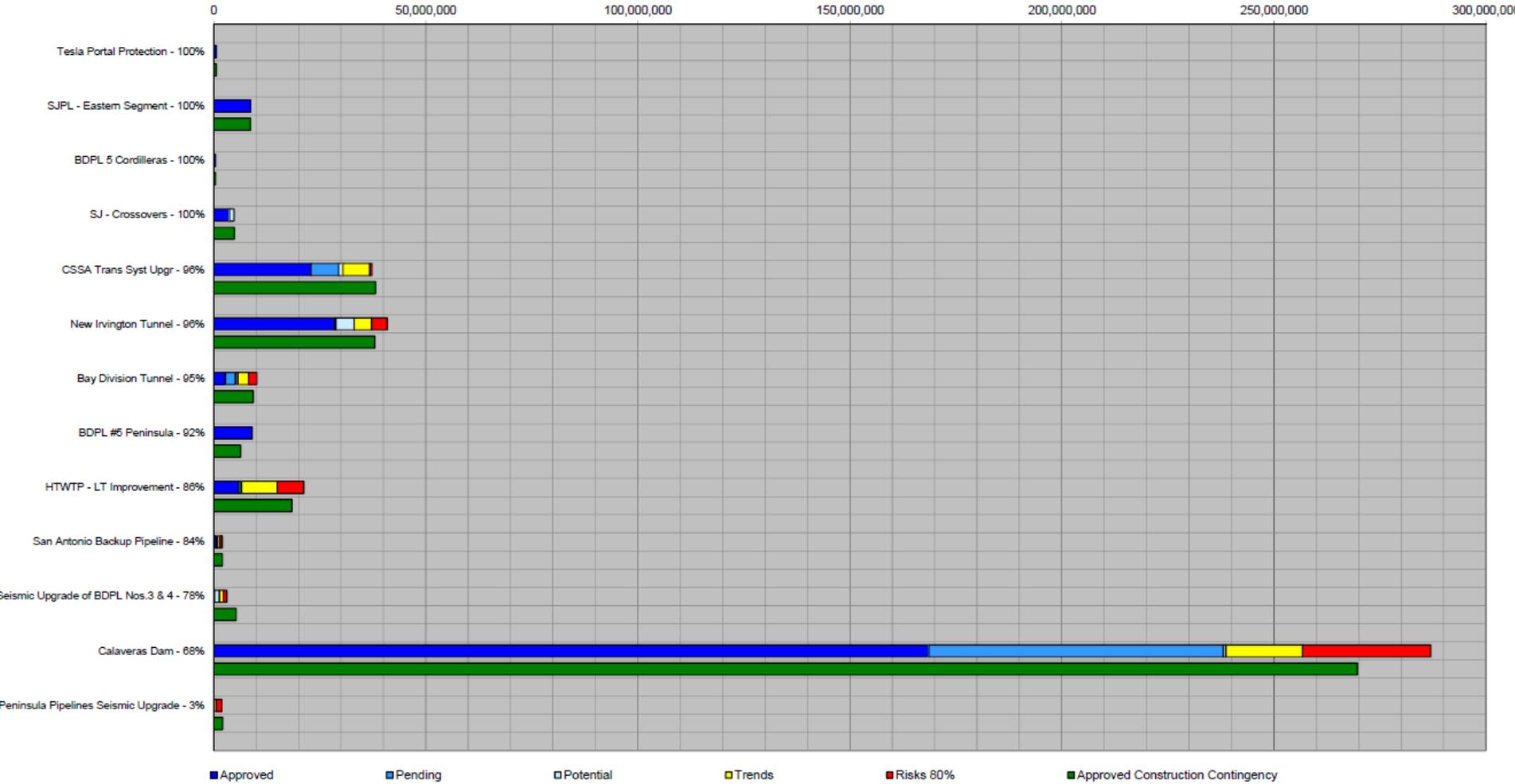


3.7 = Annual BLS construction industry national average Total Recordable Injury Incidence Rate (RIR) for 2012  
 1.4 = Annual BLS construction industry national average Total Lost Time Incidence Rate (LTIR) for 2012

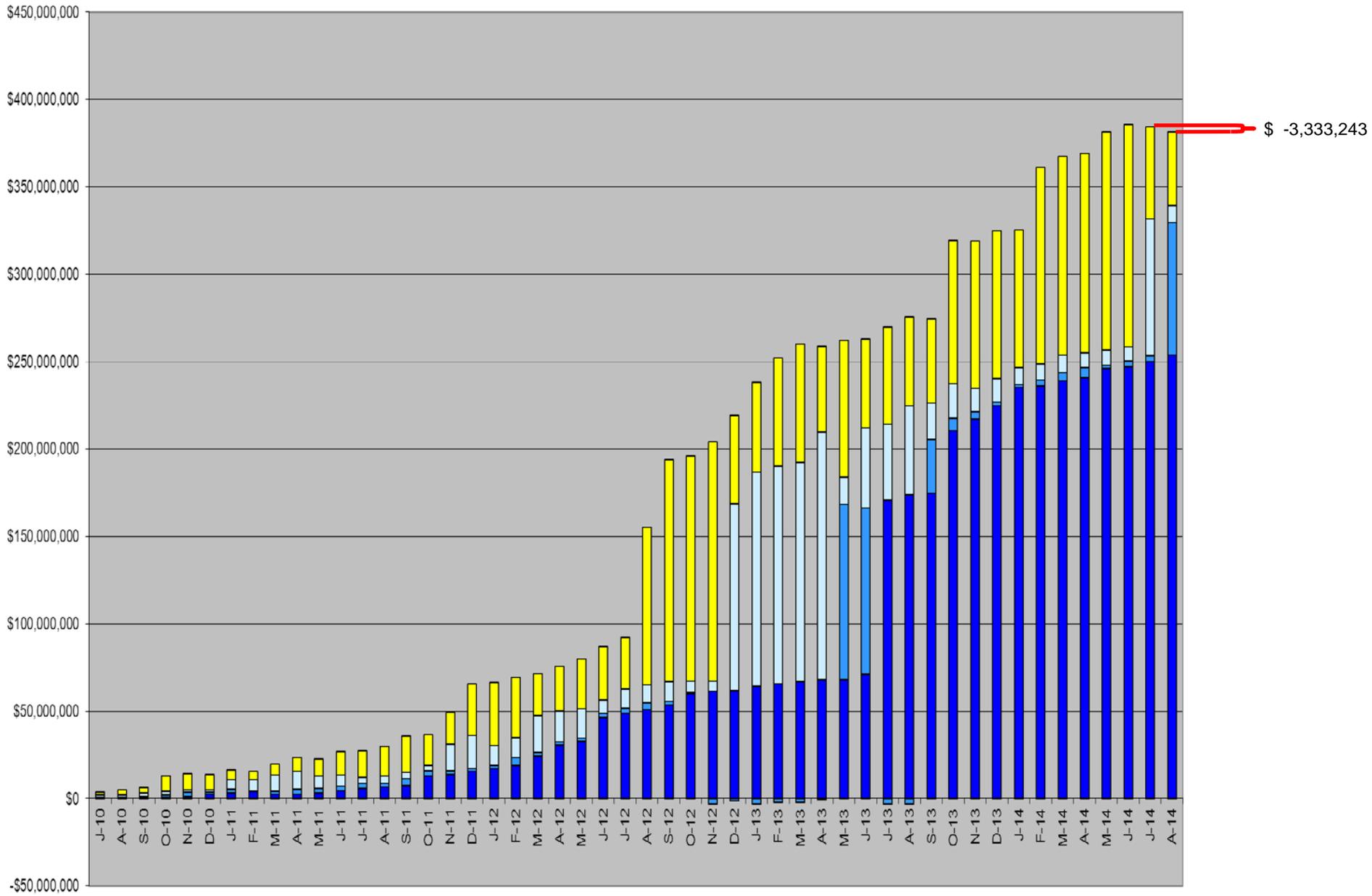
### WSIP Active Construction Contracts

Approved, Pending, Potential COs, Trends, & Risks vs. Contingency  
Status as of 8/31/2014

Note: Projects are ordered by Percent Complete



### Change Orders + Trends

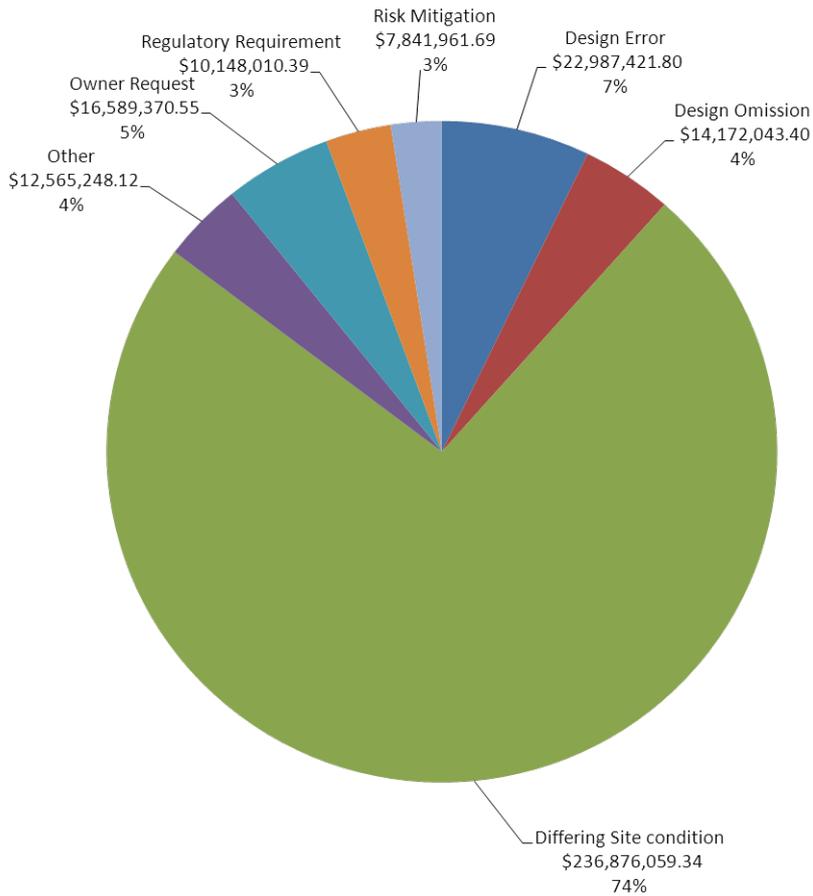


# Change Order Reason

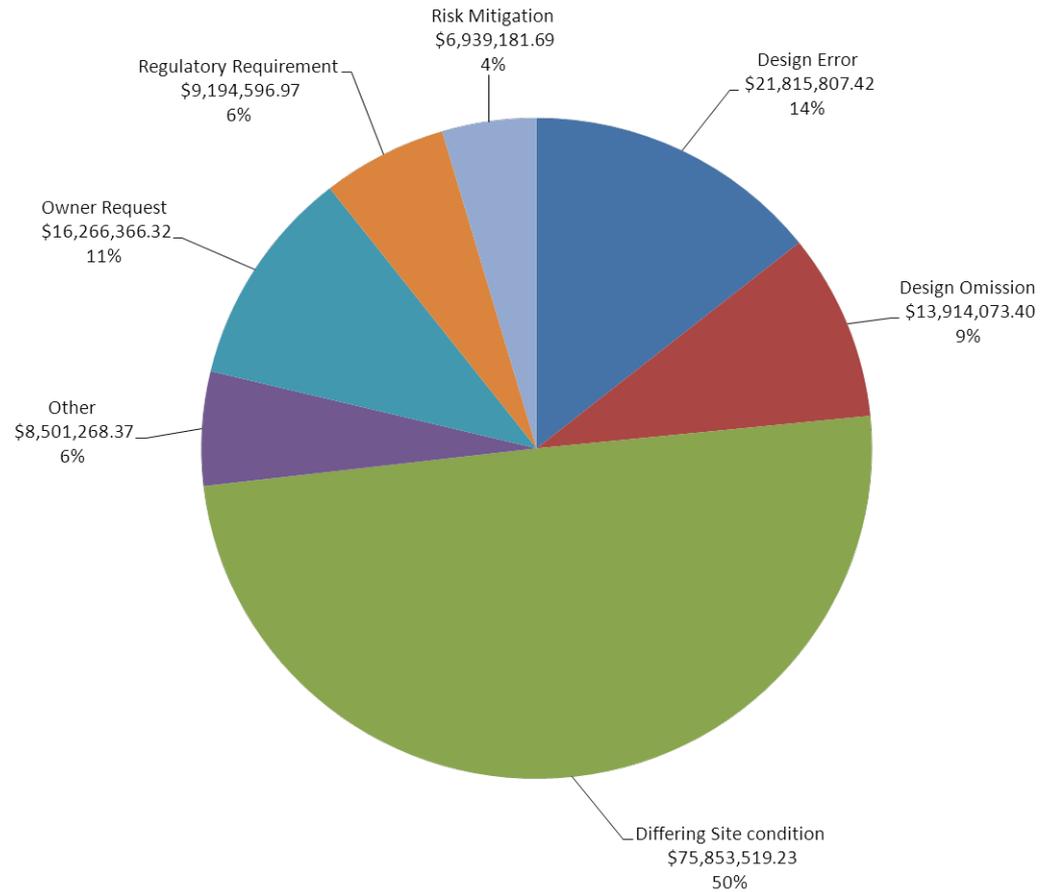
## Approved Change Orders

### August 2014

#### WSIP Total



#### WSIP Total Excluding CDRP



Note: Includes completed contracts and BHR contracts

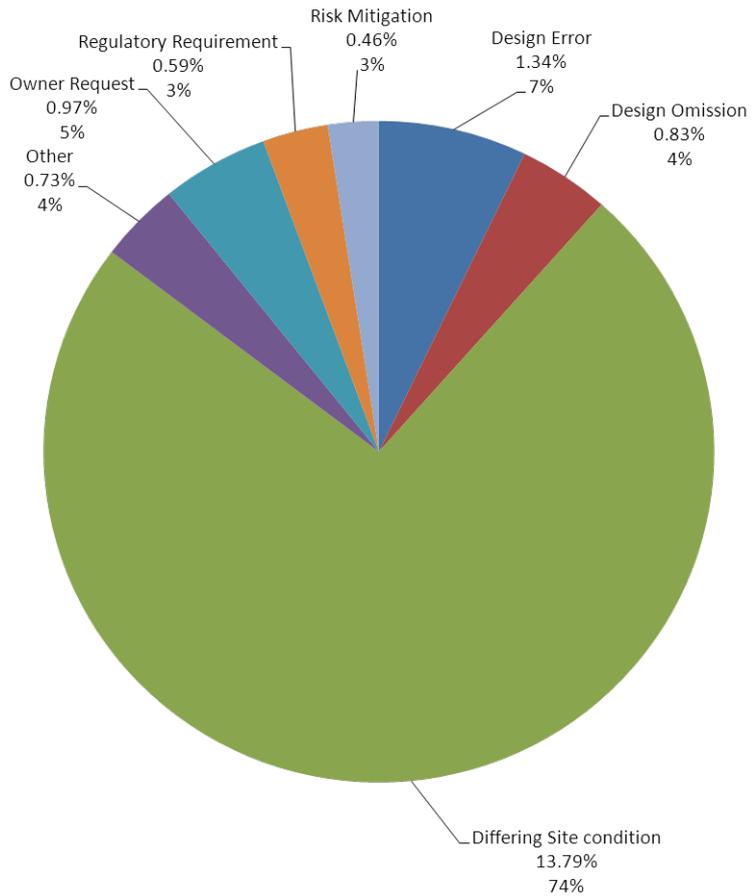
# WSIP Regional Construction Contracts

## Approved Change Order Categories

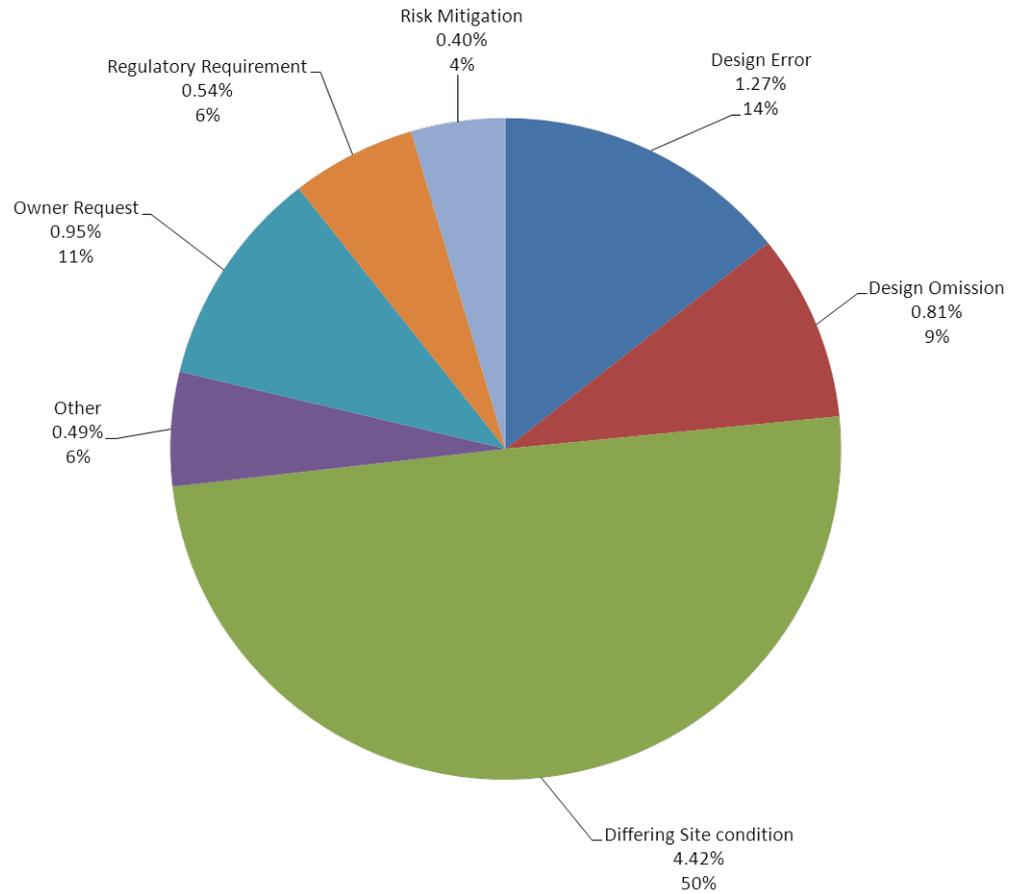
### As a Percent of Contract Award

August 2014

**WSIP Total**  
18.70%



**WSIP Total Excluding CDRP**  
8.88%

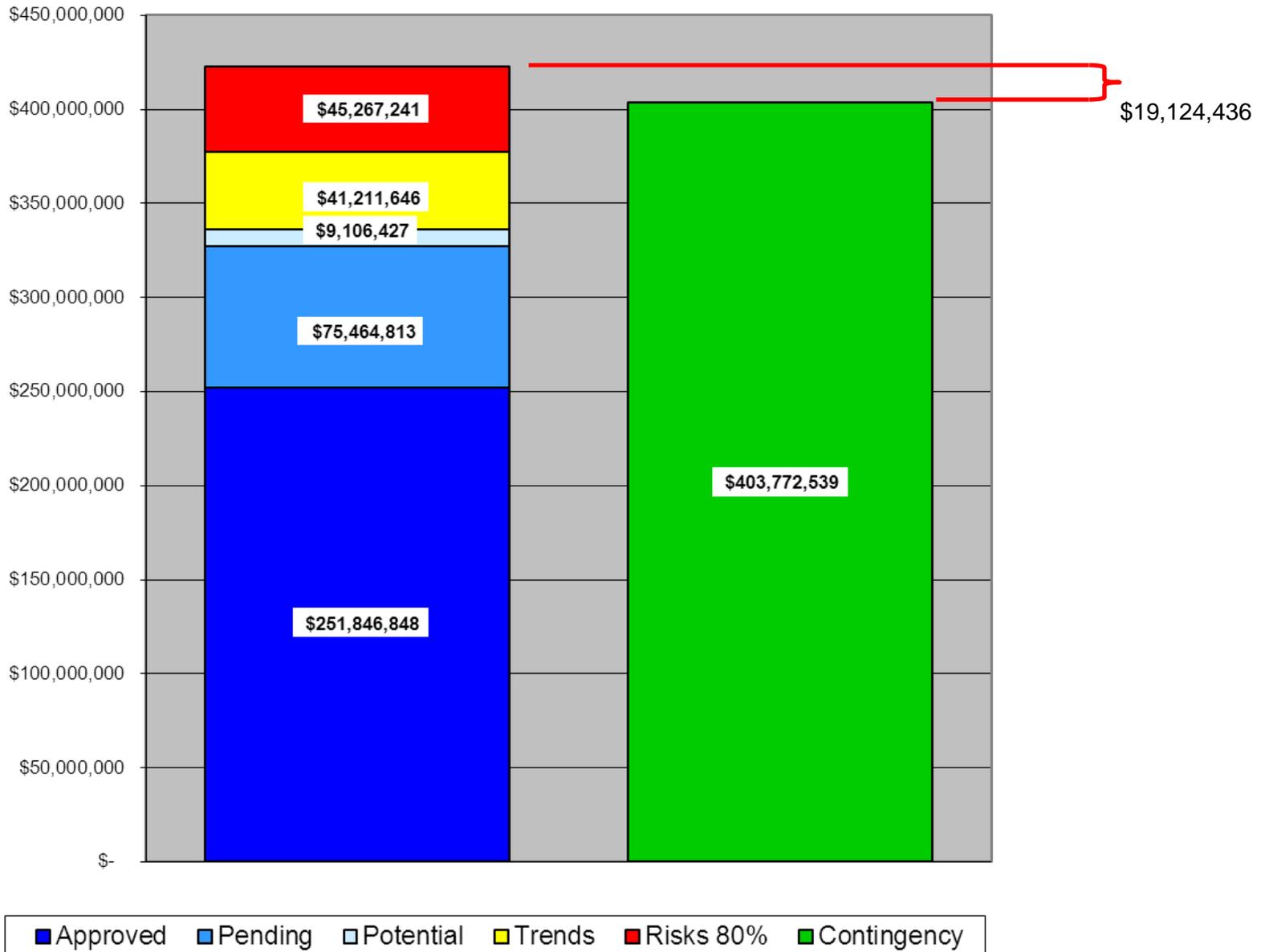


Note: Includes completed contracts and BHR contracts

# WSIP Active Regional Construction Contracts

## Change Orders, Trends, and Risks vs. Contingency

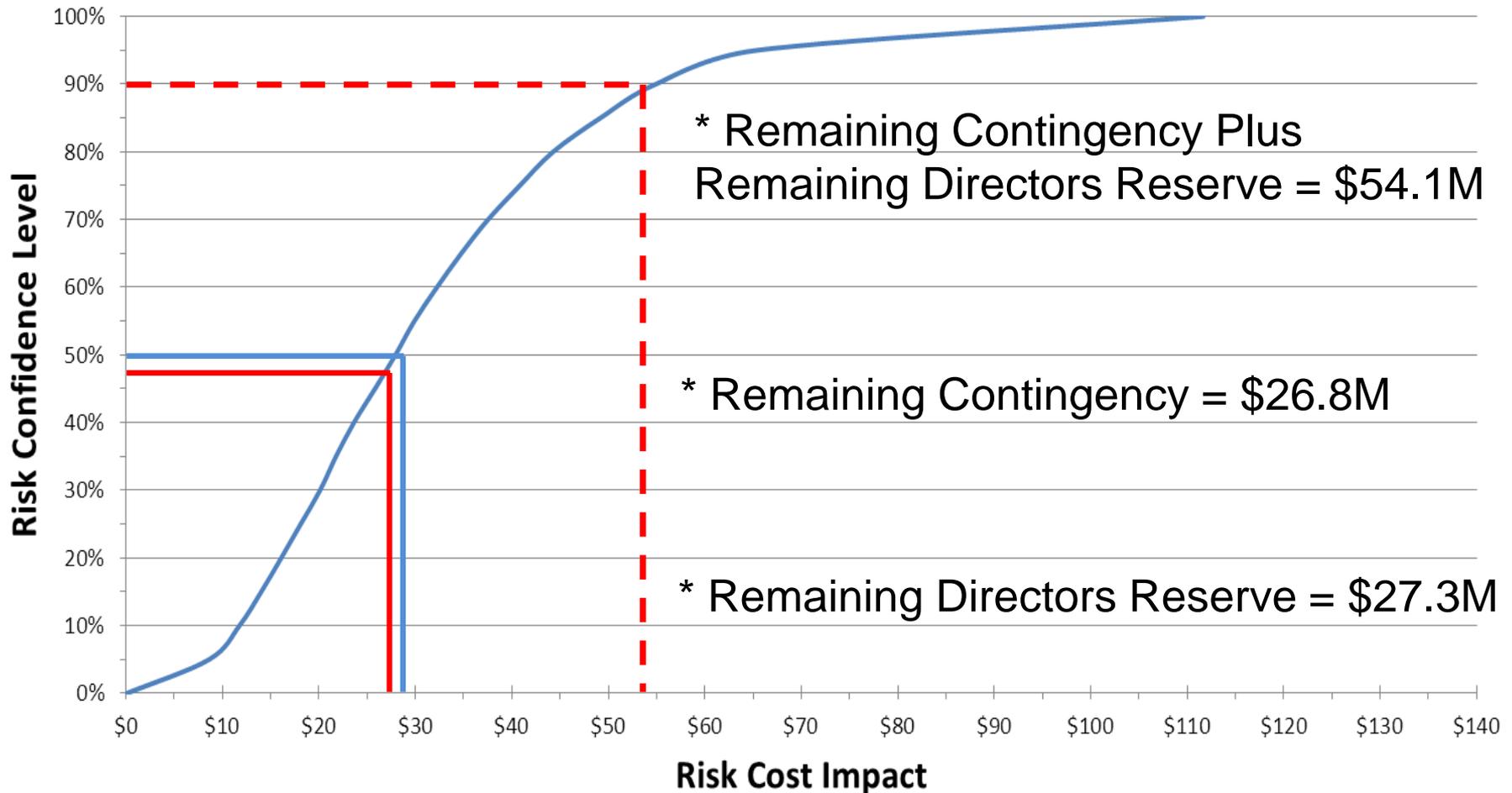
As of 8/31/2014





# Remaining WSIP Risks for Active Construction Projects

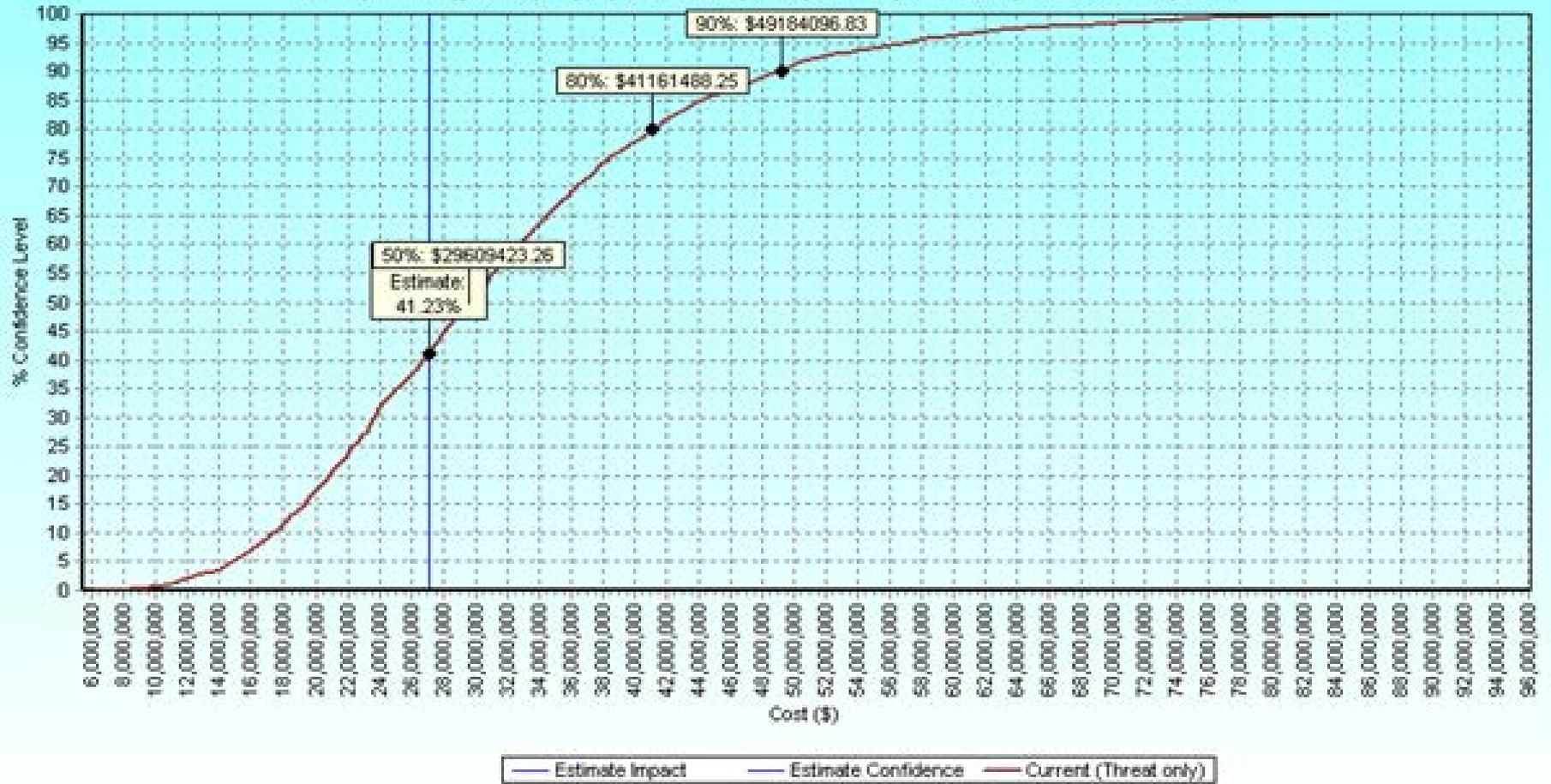
## Cumulative Confidence Level For Remaining WSIP Risks



Cumulative Results for Cost Impact of WSIP on 10 Sep 2014

100 Slices, 2000 Iterations, Random Seed (1410365798)

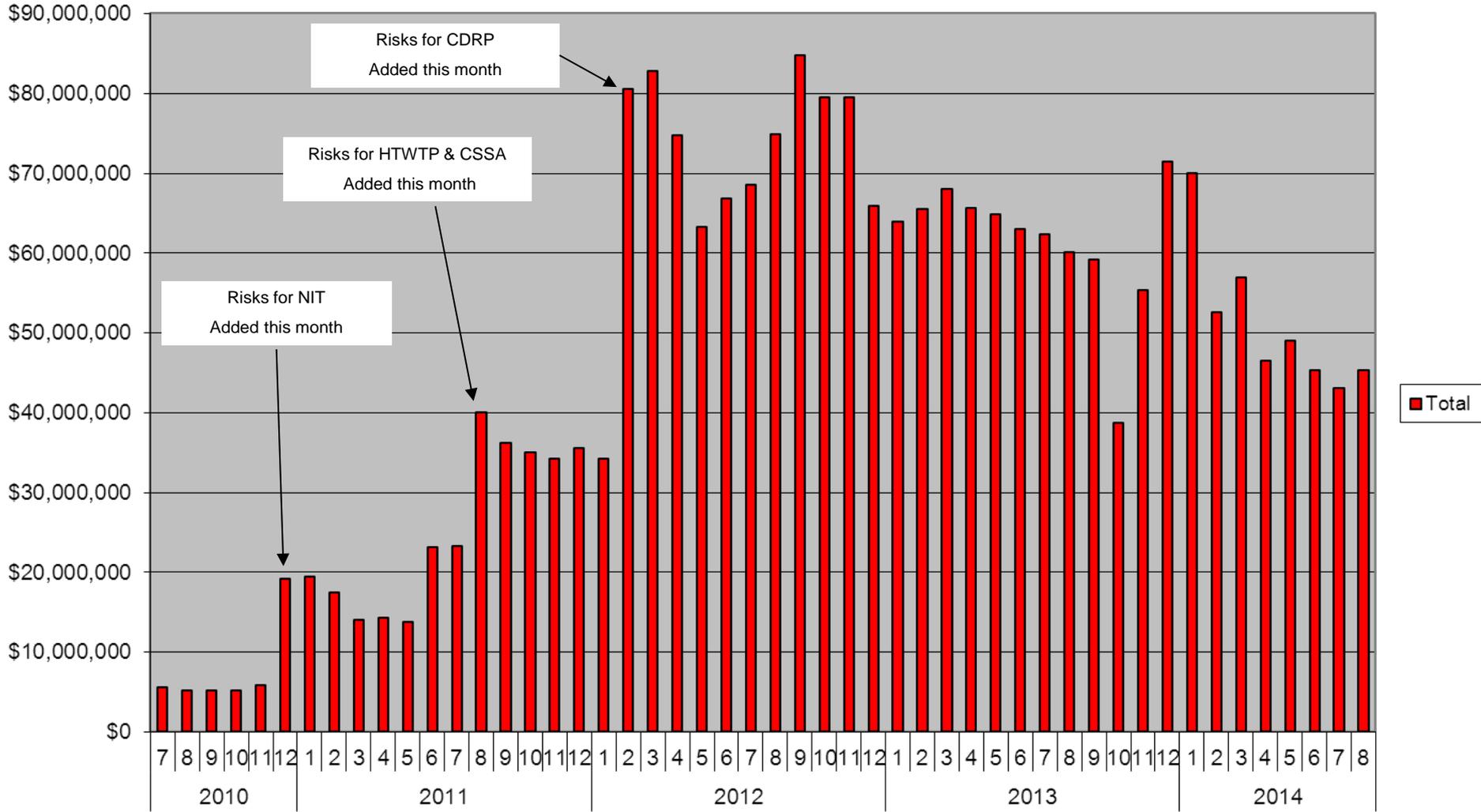
Current (Threat only): Mean (Sampled): 31832586.65, Mean (Arithmetic): 31767652.5, SD: 13125521.68, CV: 0%



Name ▾

Sum of T Risks 80%

### Total



Year ▾

Month ▾

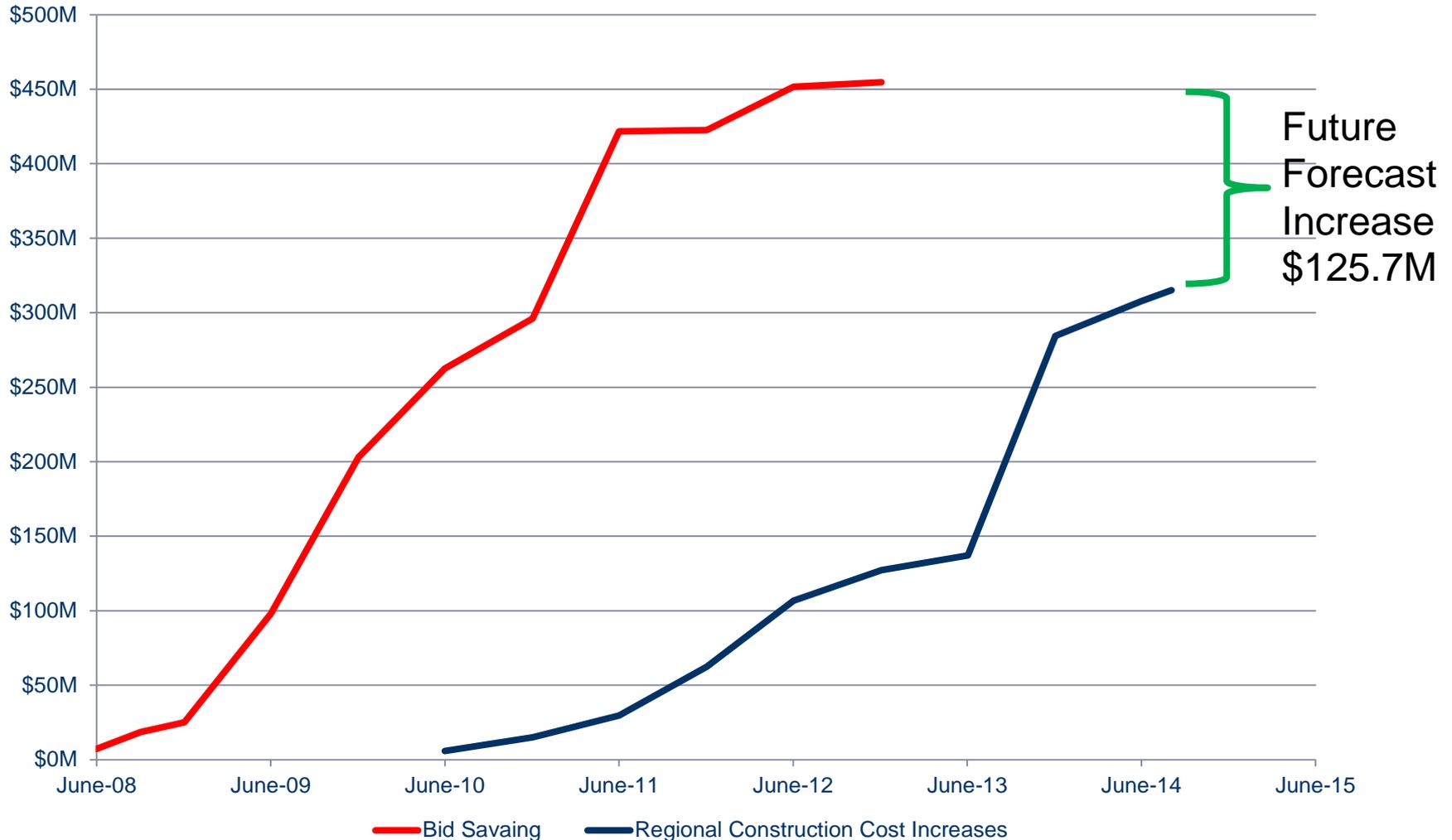


# Construction Bid Savings To Date

CALENDAR YEAR	BID SAVINGS
2005	\$(5,043,458)
2006	\$2,779,984
2007	\$1,855,525
2008	\$(24,722,809)
2009	\$(177,990,630)
2010	\$(92,893,907)
2011	\$(126,584,888)
2012	\$(29,033,508)
2013	\$(3,138,551)
2014	\$(6,688,135)
<b>TOTAL</b>	<b>\$(461,460,377)</b>



# WSIP Bid Savings vs. Construction Cost Increases



Pending = \$75.4M, Potential = \$9.1M, Trends = \$41.2M



# Deferred Projects

PROJECT	PROJECT BUDGET
Millbrae Yard Improvements	\$65M
Regional Desalination Project	\$60M
San Francisco Eastside Recycled Water Project	\$212M
<b>TOTAL</b>	<b>\$337M</b>



# Active Water Supply Projects

PROJECT	PROJECT BUDGET
San Francisco Groundwater Supply	\$67M
Regional Groundwater Storage & Recovery	\$114M
Alameda Creek Recapture Project	\$29M
San Francisco Westside Recycled Water	\$186M
<b>TOTAL</b>	<b>\$396M</b>