



# **Florida's Water Challenge**


**By**

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**“Florida’s environment, economy and quality of life all depend on water. If we want to continue to attract businesses and draw tourists while protecting our environment, we must ensure we have the water supply to meet our needs, not just today, but for our future.”**

**Commissioner Adam Putnam  
Florida First / 2014**

# A Recognized National Crisis:

- **AWWA "Buried No Longer: Confronting America's Infrastructure Crisis" Report**  
- <http://www.awwa.org/Portals/0/files/legreg/documents/BuriedNoLonger.pdf>
- **National Association of Water Companies (NAWC) and U.S. Chamber of Commerce effort on water infrastructure, "Water is Your Business"**  
- <http://waterisyourbusiness.org>
- **American Society of Civil Engineers report on the future economic costs of failing to act on infrastructure needs**  
- [http://www.asce.org/uploadedFiles/Infrastructure/Failure\\_to\\_Act/Failure\\_to\\_Act\\_Report.pdf](http://www.asce.org/uploadedFiles/Infrastructure/Failure_to_Act/Failure_to_Act_Report.pdf)
- **Congressional Research Service - Water Infrastructure Needs and Investment: Review and Analysis of Key Issues**  
- <http://www.fas.org/sgp/crs/homesec/RL31116.pdf>
- **Drinking Water Infrastructure Needs Survey and Assessment | Drinking Water Infrastructure Needs Survey | US EPA**  
- <http://water.epa.gov/infrastructure/drinkingwater/dwns/index.cfm>

## States Stepping-up to Challenge

- **The Texas Water Dev. Board has approved nearly \$4 Billion in financing for projects to increase water supplies across the state, and to promote conservation.** (Texas Tribune, July 2015)
- **New Jersey provides \$5B to future-proof water, wastewater treatment plants against extreme weather.** (NJSpotlight, Aug. 2013)
- **Massachusetts passed a bi-partisan water infrastructure bill that would provide \$21.4 billion over the next 20 years.** (CapeCod Today, Oct. 2013)
- **California plans to expend between \$800 million and \$1 billion annually on recycled water projects over the next decade.** (WaterReuse Assoc., Nov. 2013)
- **Illinois Governor marks \$2B for statewide clean water and stormwater management projects.** (CleanWater, Illinois, Feb. 2014)

# Florida's Water Resources Priorities

- **Protecting State's economy & quality of life.**
- **Restoring our already impacted natural systems.**
  - Safeguarding fragile environments (rivers, wetlands, lakes, springs & estuaries) that drive our tourism and recreational industries.
- **Developing alternative supplies of water to support sustainable economic growth.**
  - Ensuring adequate supplies to support Florida's agriculture & projected population growth.
- **Repairing or replacing aging infrastructure.**

# Florida Faces A Daunting Challenge

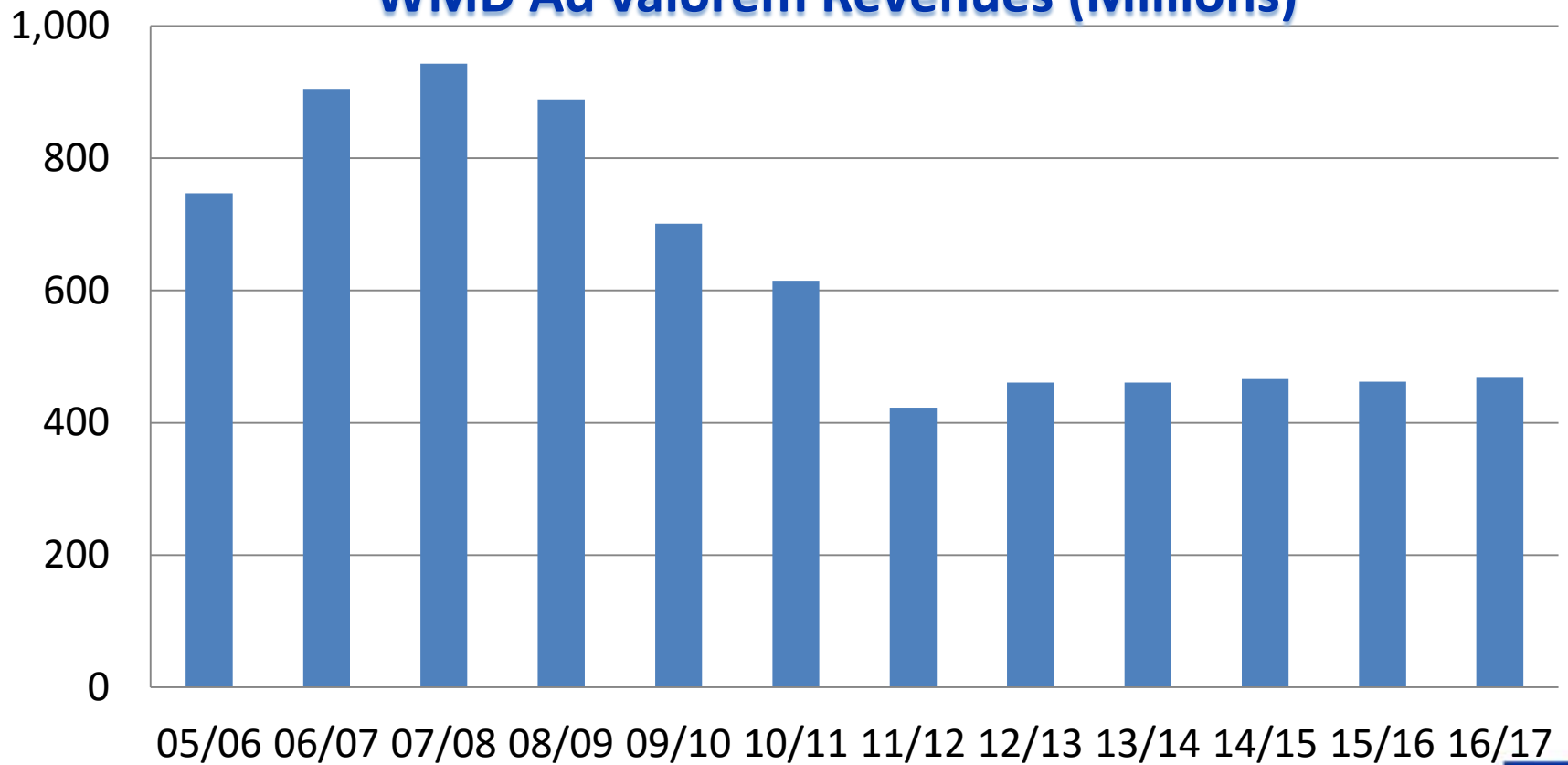
- **\$16.5 Billion over next 20 years in drinking water infrastructure improvements.** (EPA Drinking Water Infrastructure Needs Survey and Assessment - Fifth Report to Congress Sept. 2015)
- **\$18.4 Billion in wastewater infrastructure by 2020.** (ASCE: 2013)
- **\$2.8 billion dollars are needed by 2025 for capital improvements and long term maintenance programs to support flood control.** (Florida Stormwater Association, 2014 Stormwater Utilities Survey)
- **\$50.5 to \$149.8 million per year for Numeric Nutrient Criteria Rule compliance.** (FSA & FSU CEFA: 2/2012)

# Florida Challenge (Continued)

- **\$11.3 Billion (\$4.4 B Fla. share) over next 20 years for implementation of the Comprehensive Everglades Restoration Plan (CERP).** (Task Force Working Document: Cross-Cut Budget 2017)
- **\$5.6 Billion over the next 20 years for beach erosion and inlet protection projects.** (ASCE: 2016)
- **\$3 Trillion coastal infrastructure replacement value by 2030**  
(Florida Oceans and Coastal Council / 2010 [DEP & FWC Co-chairs] & Climate Works Foundation / 2009)

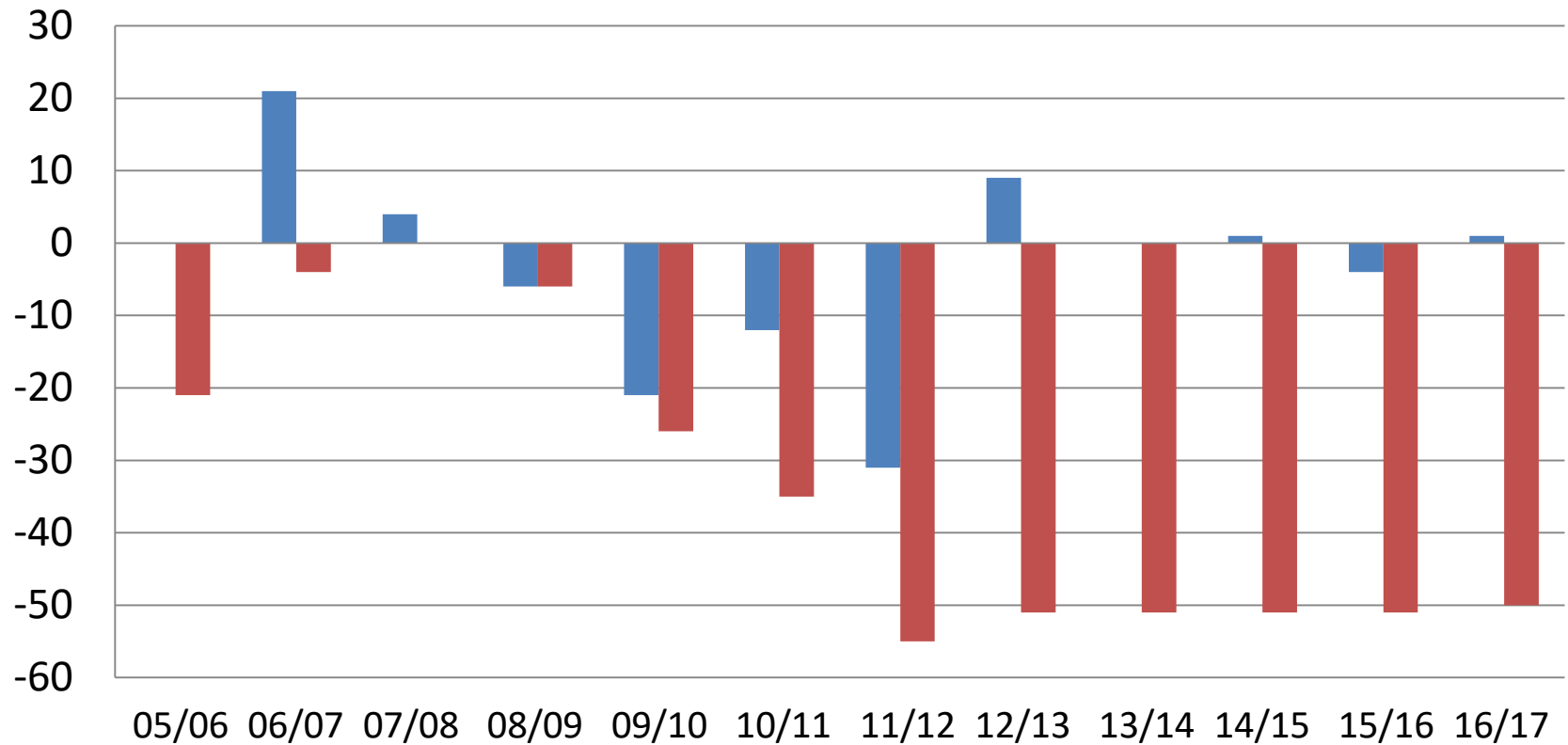
**48.71 Billion over the next 20 years (Excluding SLR)**

## WMD Ad valorem Revenues (Millions)





## Percent Change in WMD Ad valorem Revenues



- Change in Ad valorem Revenue from Previous Year
- Change relative to highest Ad valorem Revenue Year (FY07/08)

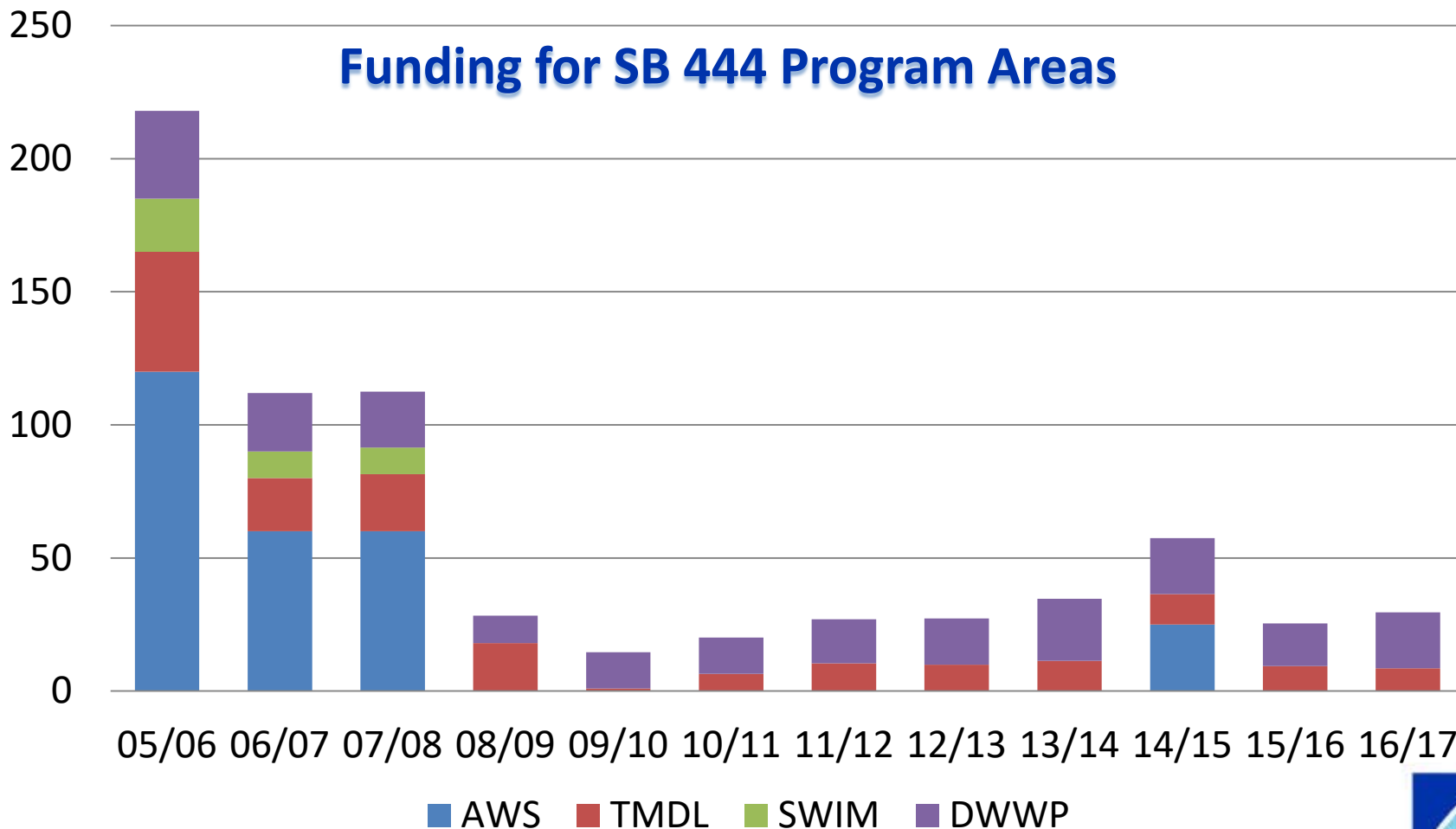


# Florida Water Protection and Sustainability Program

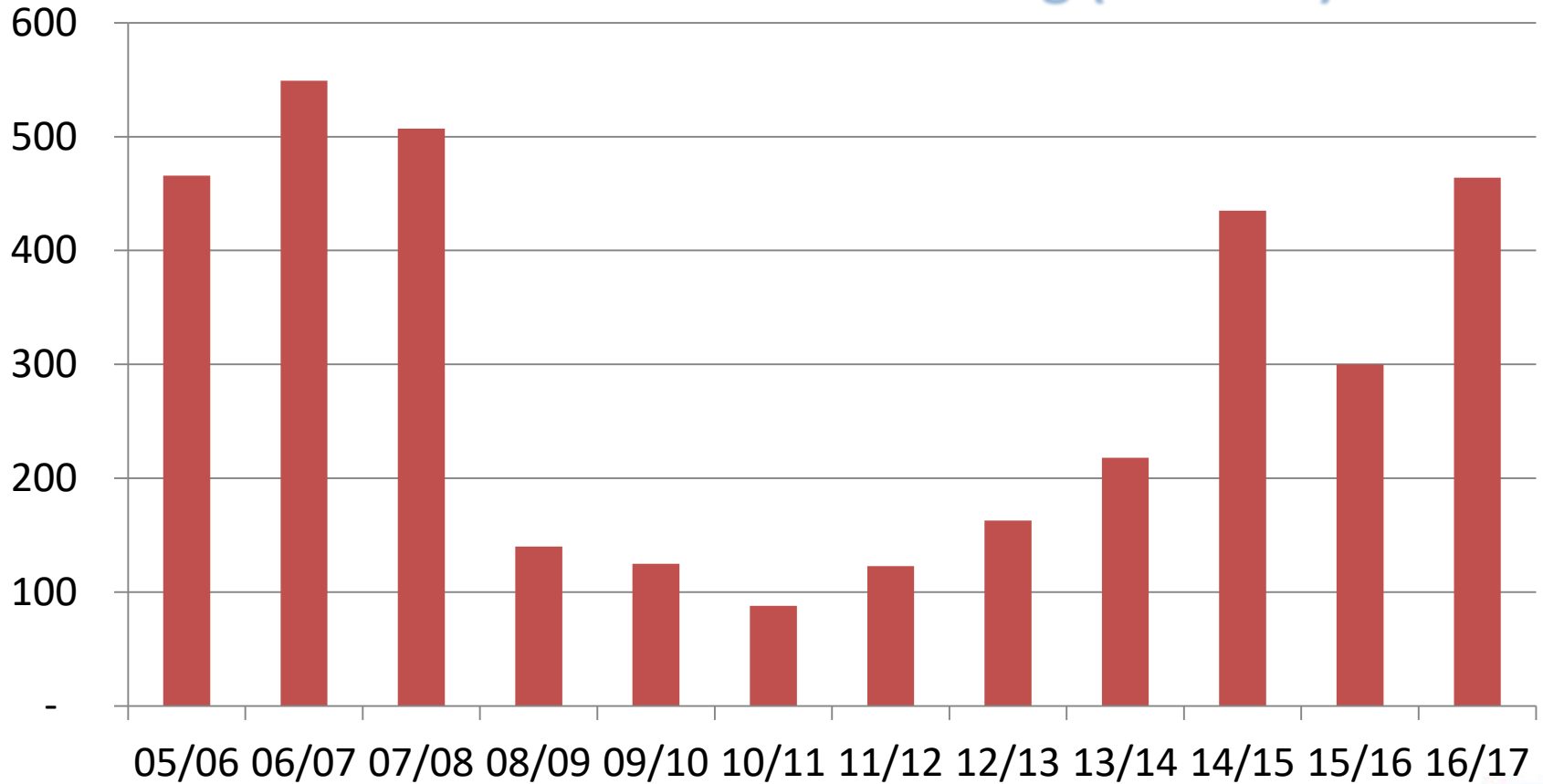
- **Enacted in 2005 (SB 444) with universal support**  
(Chs. 403.890 & 373.707, f.s.)
- **Recurring \$100 Million for:**
  - Alternative Water Supply Development
  - Development and Implementation of TMDLs
  - Surface Water Improvement Project Support
  - Small Disadvantaged Community Wastewater Projects.



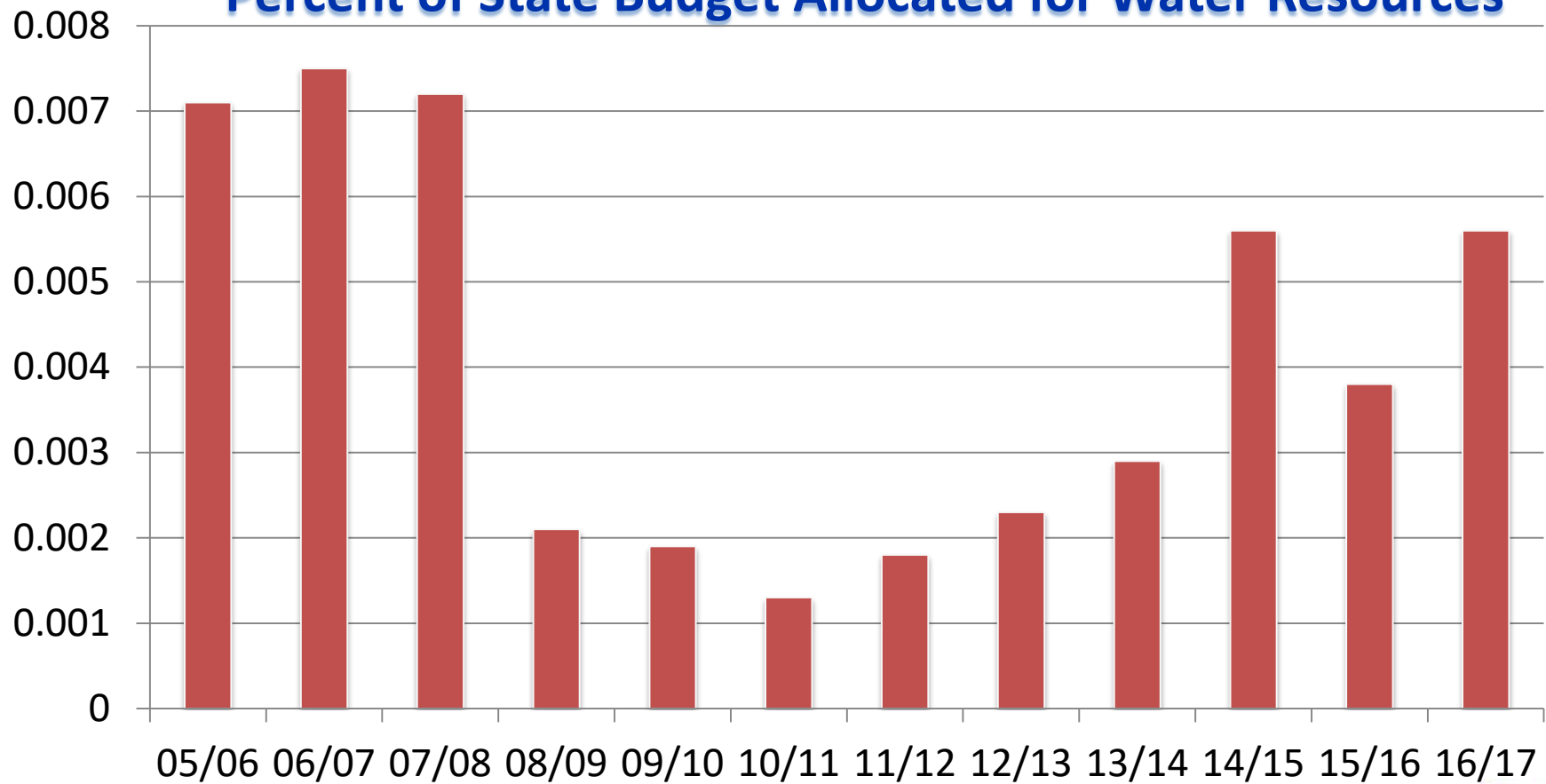
## Funding for SB 444 Program Areas



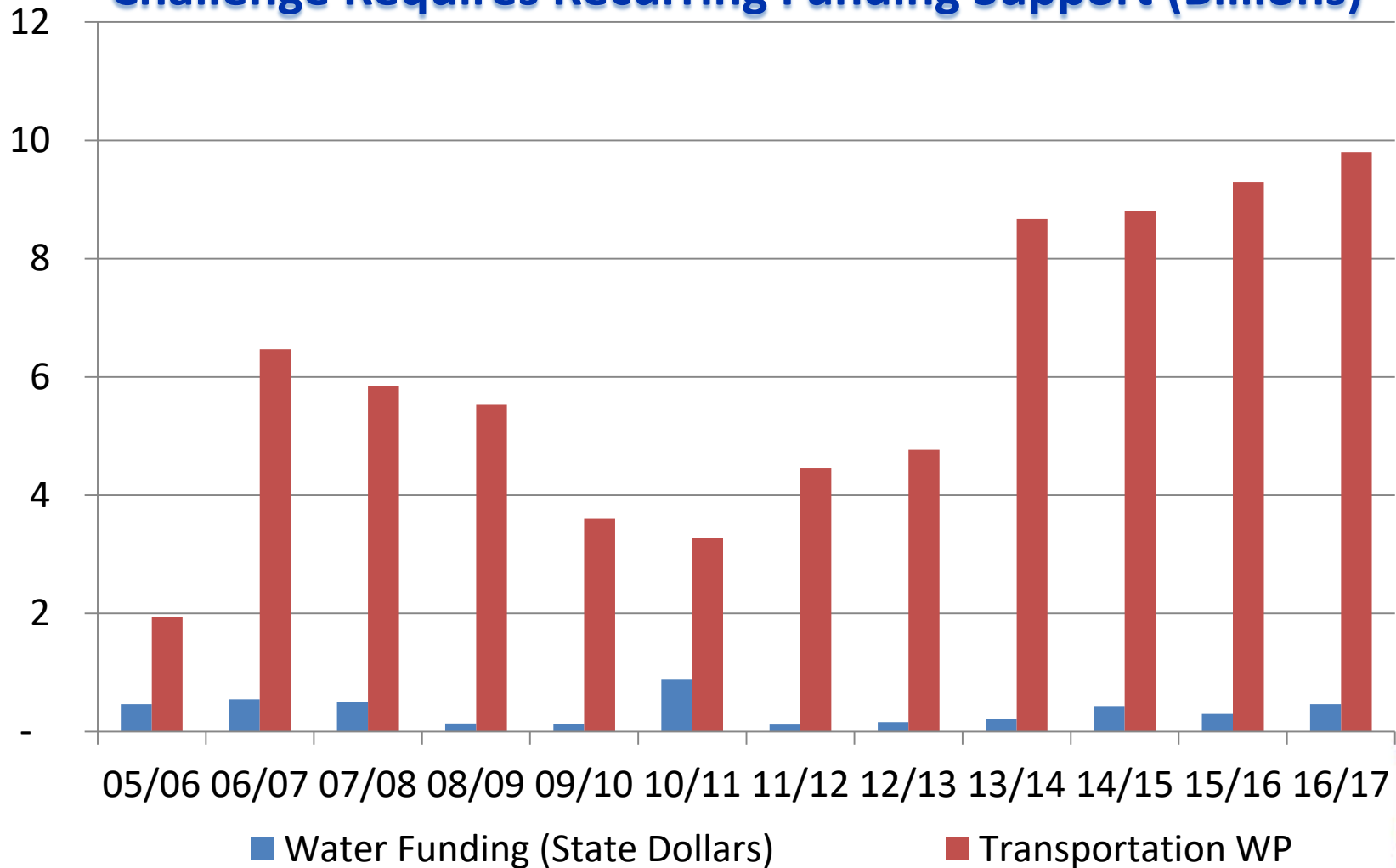
## Florida Water Resource Funding (Millions)



## Percent of State Budget Allocated for Water Resources



## Challenge Requires Recurring Funding Support (Billions)



## • Next Steps

- Work with EDR to provide an accurate assessment of the State's needs.
- Collaborate with the Regional Planning Councils and their members governments to ensure that the local State legislative delegations understand the regional needs.
- Coordinate with Resiliency Florida to highlight the need for long term planning and implementation of adaptation strategies associated with extreme weather events and sea level rise.