

# Lahontan Water Board Climate Change Adaptation

## Climate Change Working Group Update

November 9-10, 2016 Board Meeting



# Presentation

- Water Board Climate Change Background
- Recent Water Board Climate Change Activity
- Climate Change Adaptation Survey and Results



# Presentation

- Potential Concepts/Actions
- Prioritizing System for Concepts/Actions
- Next Steps



# Need for Adaptation

- Drought
- Flood
- Heat
- Fire
- Water Quality
- Water Supply



# Water Board Climate Change History

- Public Workshops – Nov. 2014/  
Jan. 2015
- Public Ideas Summary – May 2015
- Climate Change Conceptual  
Model/Strategy Discussion – July 2015



# Water Board Climate Change History

- Climate Change Working Groups Established - Dec. 2015
- Climate Change Survey- Aug. 2016
- Stakeholder Outreach- Sept. 2016+



# Other Climate Change Happenings

- Other Regional Water Boards
- State Water Board's Climate Change Policy Development
- Recent Legislation

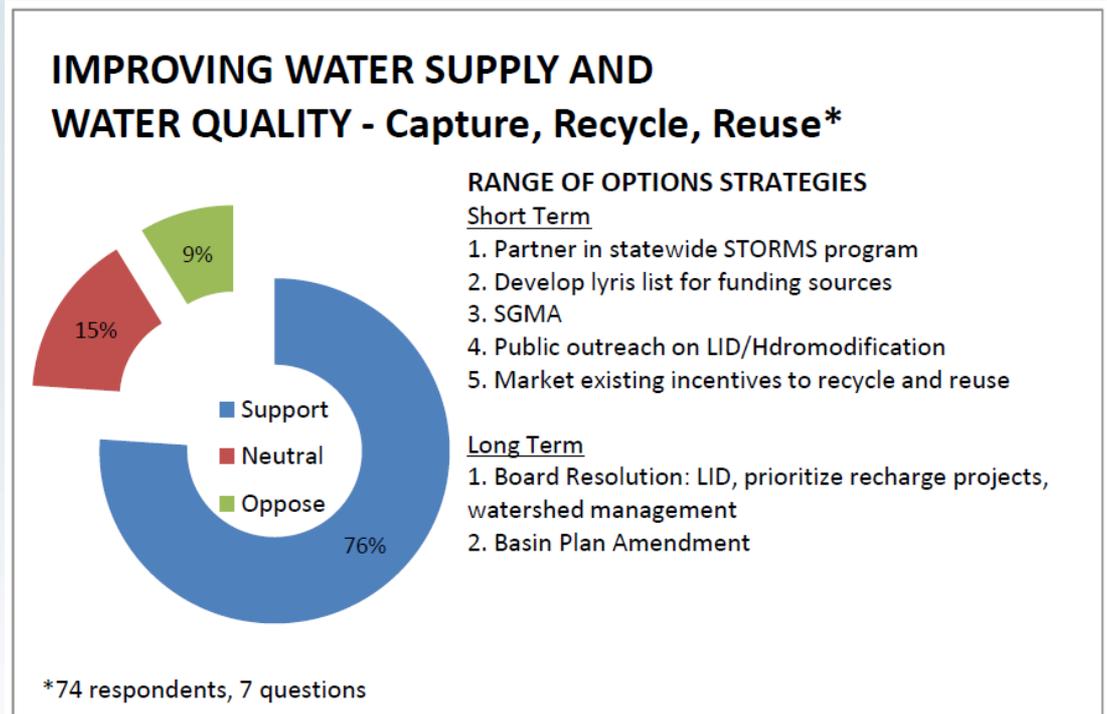


# The Survey

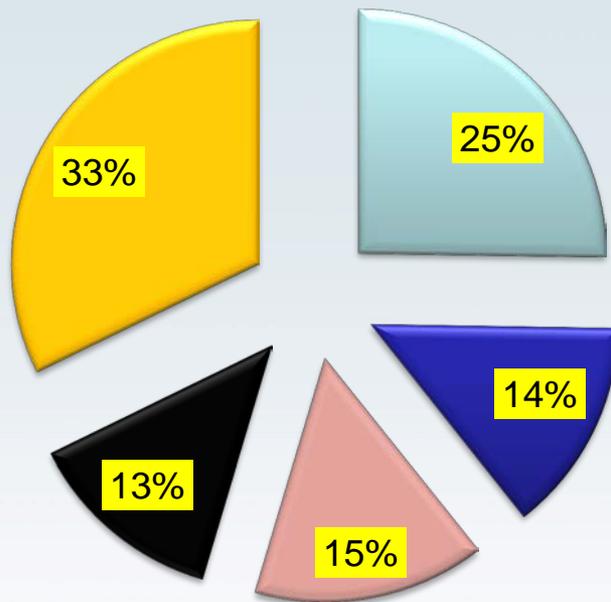
- Respondent Background and Climate Change Adaptation Activity
- Respondent Adaptation Challenges
- Respondent Opinions on 26 Proposed Adaptation Actions/Concepts

# Survey Results

- Trends
- Highlights



# Survey Results – Respondents



## Categories

- Federal or State Govt.
- County Govt.
- Local Govt.
- Non-Profit/Non-Govt.
- Other

# Survey Results – Ongoing Activities

- 50+ Percent - Water Conservation, Education, and Outreach
- Groundwater Elevation Monitoring
- Low Impact Development
- Aquatic Habitat Protection
- Infrastructure Vulnerability Assessments

# Survey Results – Challenges

- Costs/Economics
- Water Rights Issues
- State Regulations



# Survey Results - Opinions

- 26 Potential Actions/Concepts
  - Protecting resources and providing resiliency
  - Improving Water Supply and Water Quality
  - Communicating, Collaborating, and Streamlining Processes

# Survey Results - Top Five

- Adopt Policies to Protect Critical Groundwater Recharge Areas
- Improve and Protect Water/Wastewater Infrastructure from Failure
- Provide Incentives to Improve Protections for Aging or Vulnerable Water/Wastewater Infrastructure

# Survey Results - Top Five

- Increase Water Recycling
- Provide Incentives to Conserve Water and Capture/Use Storm Water



# Survey Results – Interesting Paradox

- Resource and Infrastructure Protection  
Concept: Well-Supported
- Proposed Actions to Implement  
Concept: Significantly Less Support
- Possible Approach – Explore Other  
Options to Implement Concept

# Prioritizing Actions/Concepts

- 26 Potential Actions/Concepts are Adequate for Developing Strategy
  - Wetlands/Floodplains/Recharge Areas
  - Infrastructure
  - Storm Water
  - Process



# Prioritizing Actions/Concepts

- Proposal
  - Break 26 actions/concepts into subcategories (e.g., short- and long-term)
  - Apply criteria to all actions/concepts in all subcategories
- Issue
  - Resource availability:  
Criteria or Planning/Scheduling Process

# Next Steps

- Continue Outreach - Nov. 2016
- Finish Survey - Dec. 2016
- Evaluate Survey Results - Jan. 2017
- Draft Strategy - Feb. 2017
- Release Draft Strategy - May 2017
- Board Consider Strategy - Summer 2017

# Discussion

- Are Current Set of Potential Actions/Concepts Adequate for Strategy Development?
- Prioritization Criteria
- Next Steps



# Thank You

