14TH ANNUAL TOWN HALL MEETING
"TAKING CONTROL OF OUR WATER FUTURE"

HIGHLIGHTS

- 1) Water and Wastewater Infrastructure
- 2) CASGEM Water Levels
- 3) Annual Residential Water Usage
- 3) Groundwater Basin, Inflow vs. Outflow
- 4) Water Quality Program
- 5) Groundwater Sustainability Plan

WATER INFRASTRUCTURE

Wells: routine casing perforation cleaning

Pumps and motors: replace based on efficiency

Reservoirs: recoating inside surfaces

Pipelines: replace old lines and/or add new lines

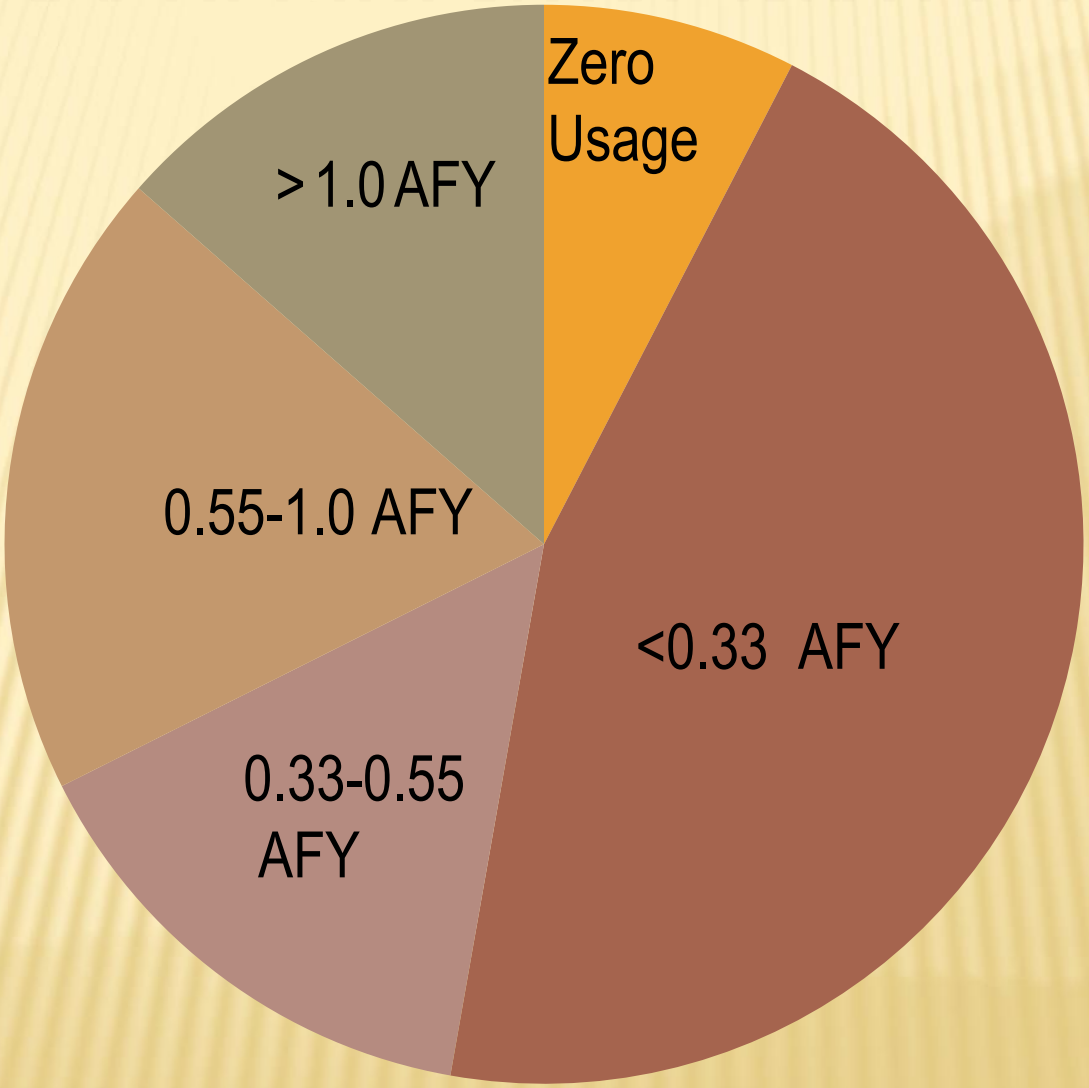
Meters: replace meters not recording properly

Cross Connection Protection: install and testing

SEWER INFRASTRUCTURE

- Collection System:
  - Make necessary repairs to pipelines, valves etc.
  - clean and video collection lines (20 miles)
- Wastewater Treatment Plant;
  - Redesigned and build aerator at stabilization basin
  - Relining inside surfaces of clarifiers
  - Ongoing maintenance of aging concrete structures

FY 2013-14 RESIDENTIAL WATER USAGE



CASGEM WATER LEVELS

- CASGEM – **CA**lifornia **S**tatewide **G**roundwater **E**levation **M**onitoring
- Program designed by Department of Water Resources for reporting of static water levels
- Levels reported semi-annually by local groundwater agencies
- Agencies not reporting are not eligible for DWR grant funding opportunities

WATER LEVEL DATA

- *Data from three monitor wells and three inactive production wells spread across the Valley.*

- North end of Valley: -3 feet/year
- Middle Valley: -2 feet/year
- South end of Valley: very little change to date due to no large production wells

BASIN INFLOW VS. OUTFLOW

- *Sustainability is the balance of*
- *natural recharge vs. water pumped.*

- U.S. Geological Survey calculates 5,600 Acre Feet per Year (AFY) of natural recharge based on 65 years of collected data
- BWD estimates reflect 19,000 AFY pumped

- Difference is the Overdraft of 13-14,000 AFY

WATER QUALITY PROGRAM

- Missing link in collected data of the Valley.
- Need for an on-going monitoring network:
  - Set up and maintain monitoring program
  - Public and private wells with State Well Completion Reports to confirm screened production zones
  - Perform “depth dependent” water sampling to analyze different qualities down the hole

GROUNDWATER SUSTAINABILITY PLAN

- Achieve balance of natural recharge and extractions over a 20 year period
- Create a groundwater reduction plan through the Sustainable Groundwater Management Act
- Utilize Stakeholder input/support of the Borrego Water Coalition and community members affected by the reduction Plan

END RESULT – A SUSTAINABLE WATER SUPPLY

- BORREGO cannot afford to import water
- DESERT dwellers strive to use water efficiently
- WE, as a community, have the opportunity to
- *Take Control of our Water Future!*

THANK YOU!

- For follow up questions, please contact:

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