Overview for Calistoga

- Our share of Measure A is small – and overall is less than 3% of total revenue derived.
- Cash flowed major projects.
- Allowed our “pooled” share of revenues to be subscribed to the Napa Project from 98/99 to 04/05. Calistoga began taking reimbursements in FY 06.
Specific Calistoga Projects contained in Measure A Ordinance
(Section 8.C.1&2)

1. Stabilization and enhancement of Kimball Reservoir which shall be for the purpose of flood protection and water supply reliability.

2. Flood protection and drainage improvements in the Grant Street area and other critical areas to protect residents and businesses from flooding.
Approved Measure A Projects

- Kimball Water Supply Reliability §8.C.1
- Kimball Dam Intake Tower, Drain Valve, Bypass Structure, and Water Rights Protection §8.C.1
- Debt Payments for Kimball Water Facilities Improvement Projects Phases I and II §8.C.1
  - Kimball – Bennett Lane – Myrtledale Water Transmission Line
  - Kimball Water Treatment Plant Improvements
Kimball Reservoir
Completed Measure A Projects

- Drainage Improvements in SE Calistoga (2010) $600,000 §8.C.2
- Kimball Water Treatment Plant Upgrades $2,820,960 §8.C.1 Phase I (Kimball Main - $1,664,955 and Phase II Treatment Plant - $1,156,005)
- Oak Street Napa River Outfall at Logvy Park – Partnered with Napa County Flood Control (50/50) to repair 48” collapsed outfall structure – $7,500 each completed March 2014
- Grant St. Drainage Improvements (2016) – Installed new 54” culvert under Grant St. and other improvements. $1,042,900
- Total Measure A expenditures through June 2016 – $6,957,315 with an estimated available balance of $1,494,000.
Southeast Drainage Improvements
Channel widening and culvert installation
New Filter Bank at Kimball Water Treatment Plant
Southeast Drainage Improvements
Channel widening and culvert installation
Repaired 48” RCP Outfall into the Napa River at Logvy Park (North Oak Street)
Grant Street Culvert Replacement
Fall 2015

- Replace failed Culvert
- Remove and Replace Pavement 13,000sf (btwn Michael and Maggie)
- New 60" Storm Drain Pipe
- Grant Street
Grant Street Culvert
Original Inlet
Original Inlet Upstream Side of Grant
Numerous Utility Conflicts
Channel Can Handel
100-Year Event
New Inlet at Grant St.
New Outlet Structure at Grant St.
outlet structure
Planned Measure A Projects

- Kimball Reservoir Emergency Drain Valve and Replace Intake Tower §8.C.1
- Abandon Old Water Supply Main from Kimball Reservoir §8.C.1
- Estimated available Measure A balance is $1,494,000.
Flood Inundation Map If Kimball Dam were to Fail
RESTORE (E) OUTLET PIPE WITH (N) 24° DIP.
ENCASE IN CONCRETE. 6" MIN.

(A) DRAIN VALVE VAULT

ABANDON (E) 12" PIPE TO WTP

(TIE INTO (E) 12" PIPE TO WTP SEE DETAIL C)

SEE NOTE 1

(N) 12" PIPE

(N) VALVE VAULT SEE DETAIL A AND B

(C) OUTFALL

TO WTP

(N) FLANGED 12"
90° ELBOW
MJ x MJ

(N) CONCRETE THRUST BLOCK

DETAIL
SCALE: 1" = 20'

NOTES:
Kimball Water Service Relocation Project

- Old 10-inch main to be abandoned
- Proposed new service lines (1-2", 1-2.5", 2-3")
- Existing services to Premo, Frierson, O'Gorman, & Wright
- New 12-inch main 2005
- New Backflow device on service required
Questions?