



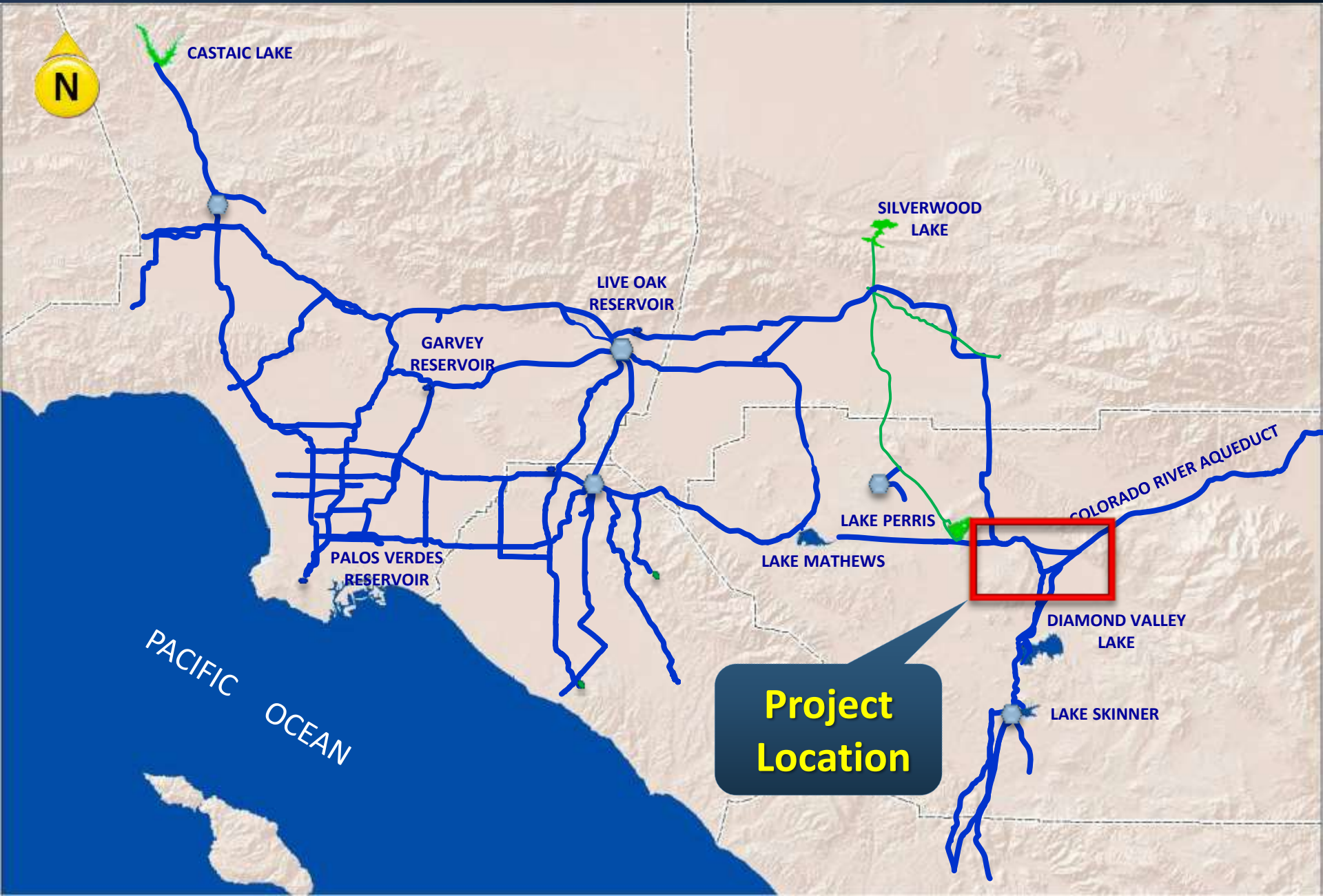
# Casa Loma & San Diego Canals Flow Meter Replacement

Engineering & Operations Committee  
Item 7-1  
March 9, 2015

# Current Action

- Appropriate \$1.07 M
- Authorize replacement of flow meters on the Casa Loma & San Diego Canals

# Distribution System

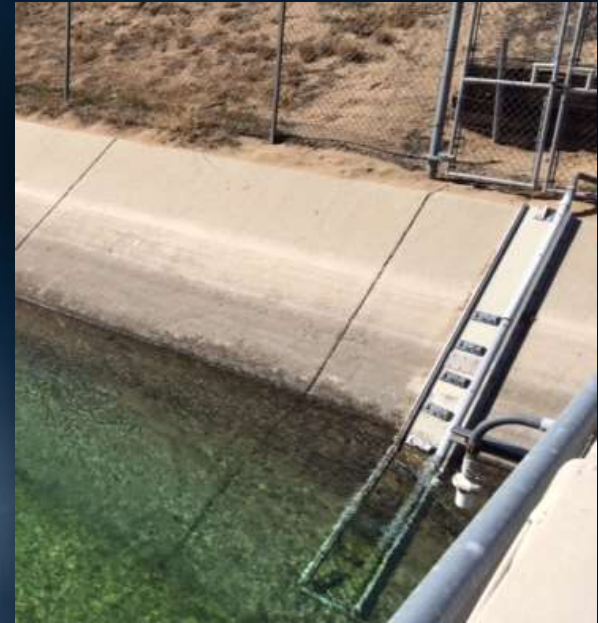


# Location Map



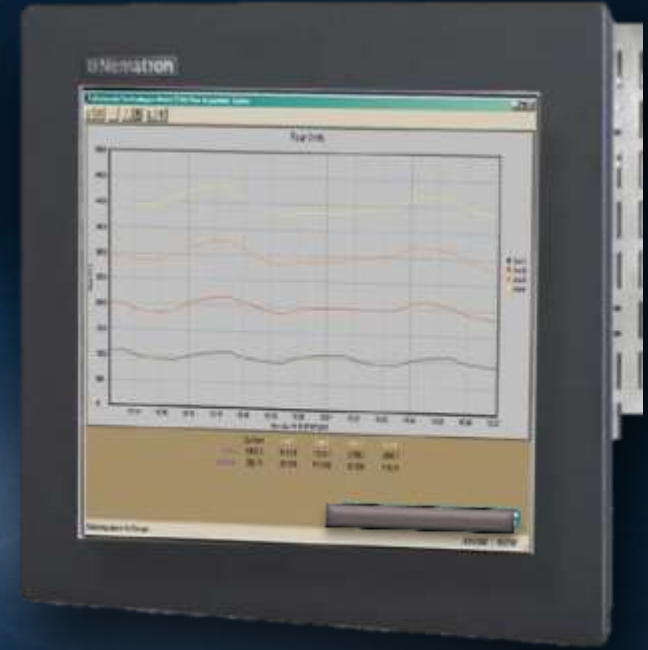
# Background

- 3 meters installed in 1990's
- Purpose:
  - Ensure that flows stay within rated design capacities of conduits
  - Monitor deliveries to Lake Mathews & Skinner plant
- Located near SCADA connections & electrical services
- Typical life expectancy - 15 yrs
- Spare parts no longer available
- 1 meter has begun to fail



# Scope of Work

- Prepare procurement specs & installation drwgs
- Procure flow meters
- Install flow meters & related eqpt. during shutdowns
- Perform detailed surveys
- Calibrate & test meters
- Final design & const. by Metropolitan
- Certification of accuracy by meter mfr.



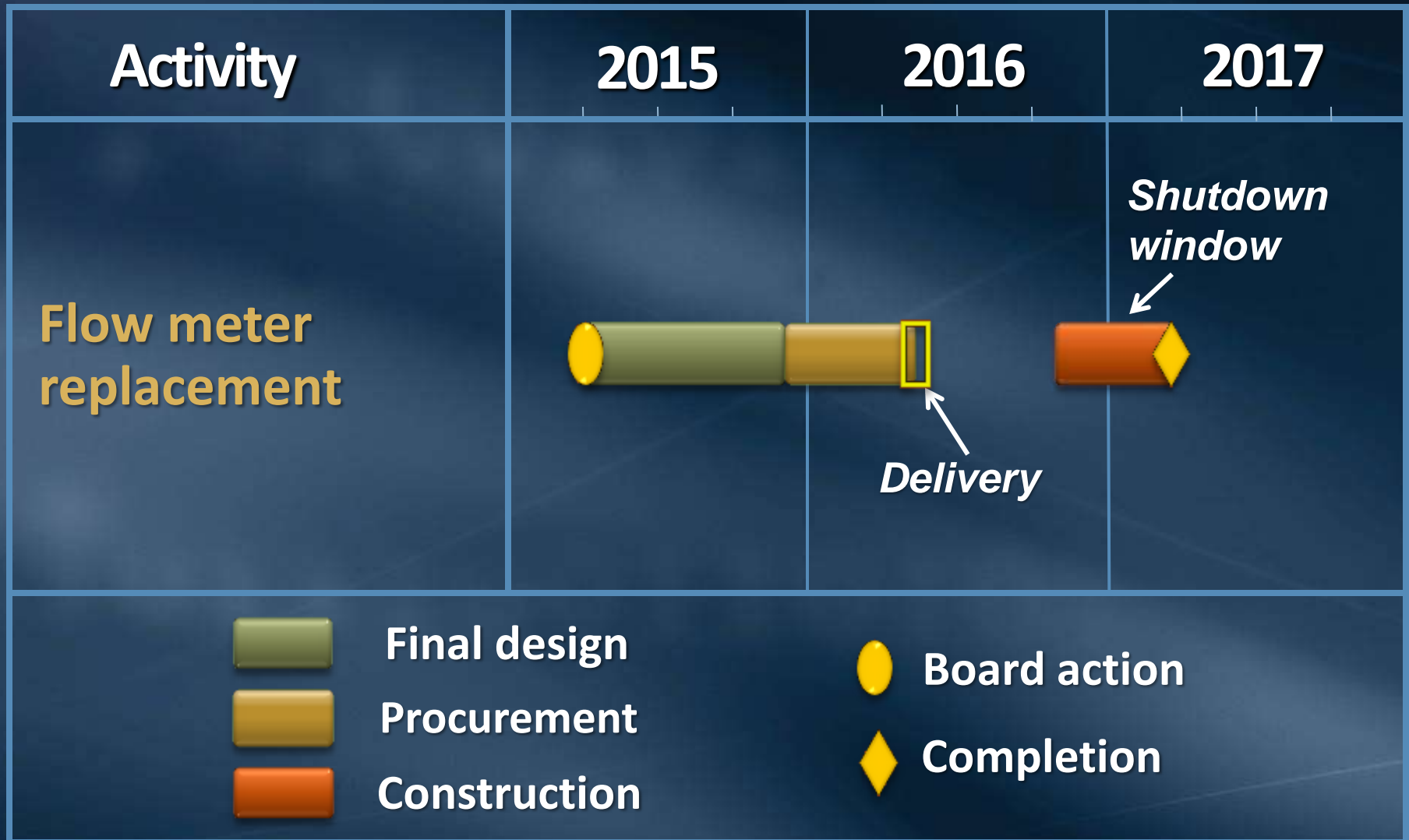
# Requested Funds

## Labor

Metropolitan force const.	\$ 391,000
Design & procurement	86,000
PM, field surveys & envir. monitoring	92,000
Submittals review & record drwgs	17,000
Materials & supplies	349,000
<u>Remaining budget</u>	<u>135,000</u>
<b>Total</b>	<b>\$1,070,000</b>

Total const. cost = \$740,000

# Project Schedule





# Board Options

## ● Option #1

- Adopt CEQA determination that this action is categorically exempt
- Appropriate \$1.07 M
- Authorize replacement of flow meters on the Casa Loma & San Diego Canals

## ● Option #2

- Do not proceed with project at this time

# Staff Recommendation

- Option #1

