

# Review Participation in the Pilot Operation of the Yuma Desalting Plant

Water Planning and Stewardship Committee

August 17, 2009

Item 9-2



California

Arizona

Mexico

YUMA  
DESALTING  
PLANT

Morelos  
Dam

Welton-  
Mohawk  
IDD

Ciénega de  
Santa Clara

Gulf of California

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Pointer 32°01'09.03" N 114°40'54.59" W

Streaming ||||| 100%

Eye alt 83.71 mi

# Proposed Pilot Project Funders

- Bureau of Reclamation
- Southern Nevada Water Authority
- Central Arizona Water Conservation District
- Metropolitan Water District

# Pilot To Evaluate Long-Term Capabilities

- One year operation to 1/3 capacity
- Test various treatment methods
- Identify environmental constraints
- Conserve Colorado River Water
  - 23,200 AF near-term water supply to Metropolitan
  - Delivery as early as February 2010
- \$9.2 - \$11.4 million

# Pilot Operation Agreements



| <b>Agreements</b>                                  | <b>Metropolitan's<br/>Estimated Contribution</b> |
|--|--|
| <b>1. Pilot Project Funding</b>                    | <b>\$8.8 – \$11.0 million</b>                    |
| <b>2. Cooperative Research and<br/>Development</b> | <b>\$247,000</b>                                 |
| <b>3. Ciénega Monitoring</b>                       | <b>\$89,000</b>                                  |
| <b>4. Forbearance</b>                              | <b>\$0</b>                                       |
| <b>5. Delivery</b>                                 | <b>\$0</b>                                       |
| <b>TOTAL CONTRIBUTION</b>                          | <b>\$9.2 – \$11.4 million</b>                    |

# Next Steps

- Determine each partner's funding share
- Refine cost estimates
- Board consideration