

# San Francisco Bay Area Sustainable Resource Development Projects



## Multi-State Salinity Coalition Conference

Gary Darling, General Manager  
Delta Diablo Sanitation District

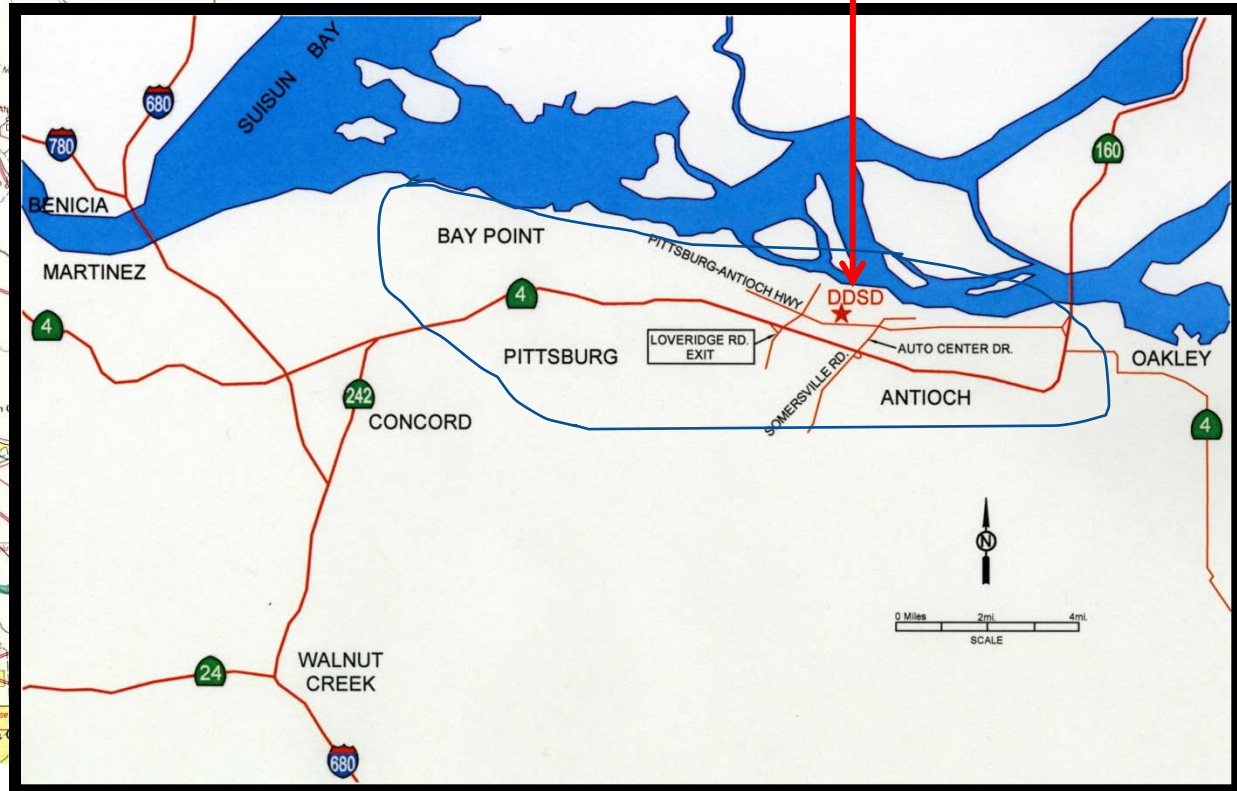
January 15, 2009



# Delta Diablo Sanitation District Service Area



San Francisco



# About the District

- A Certified “Bay Area Green Business”
- Board of Directors
  - James Davis – Antioch
  - Nancy Parent – Pittsburg
  - Federal Glover – Contra Costa County (Bay Point)

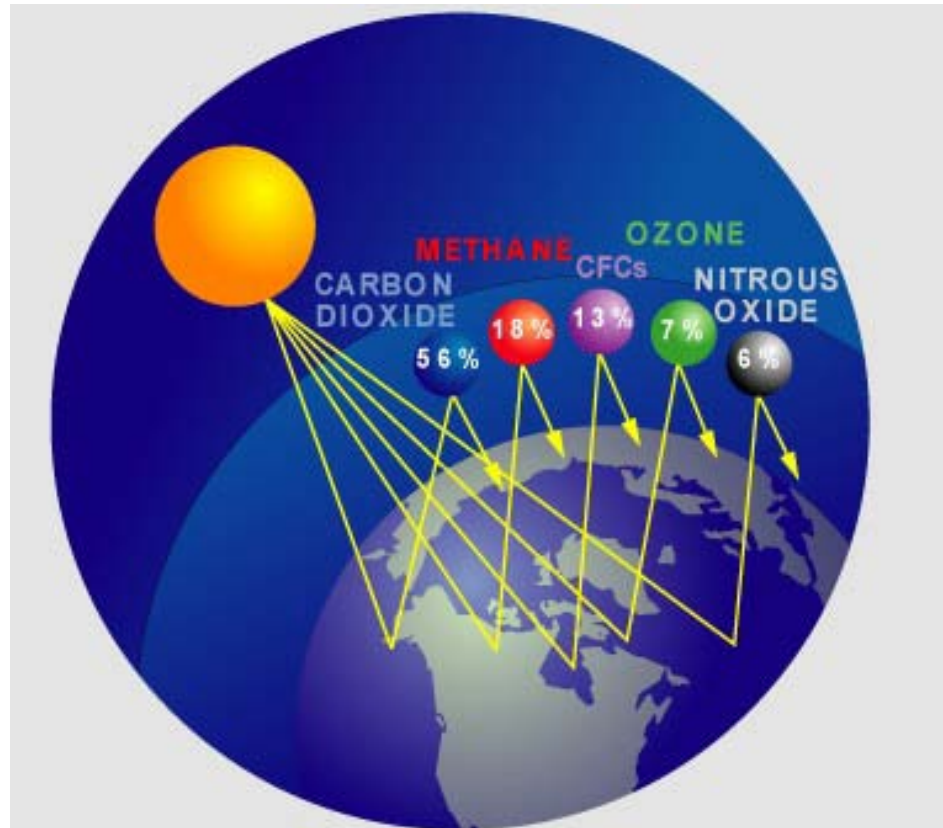


# Climate Change

Is it real?

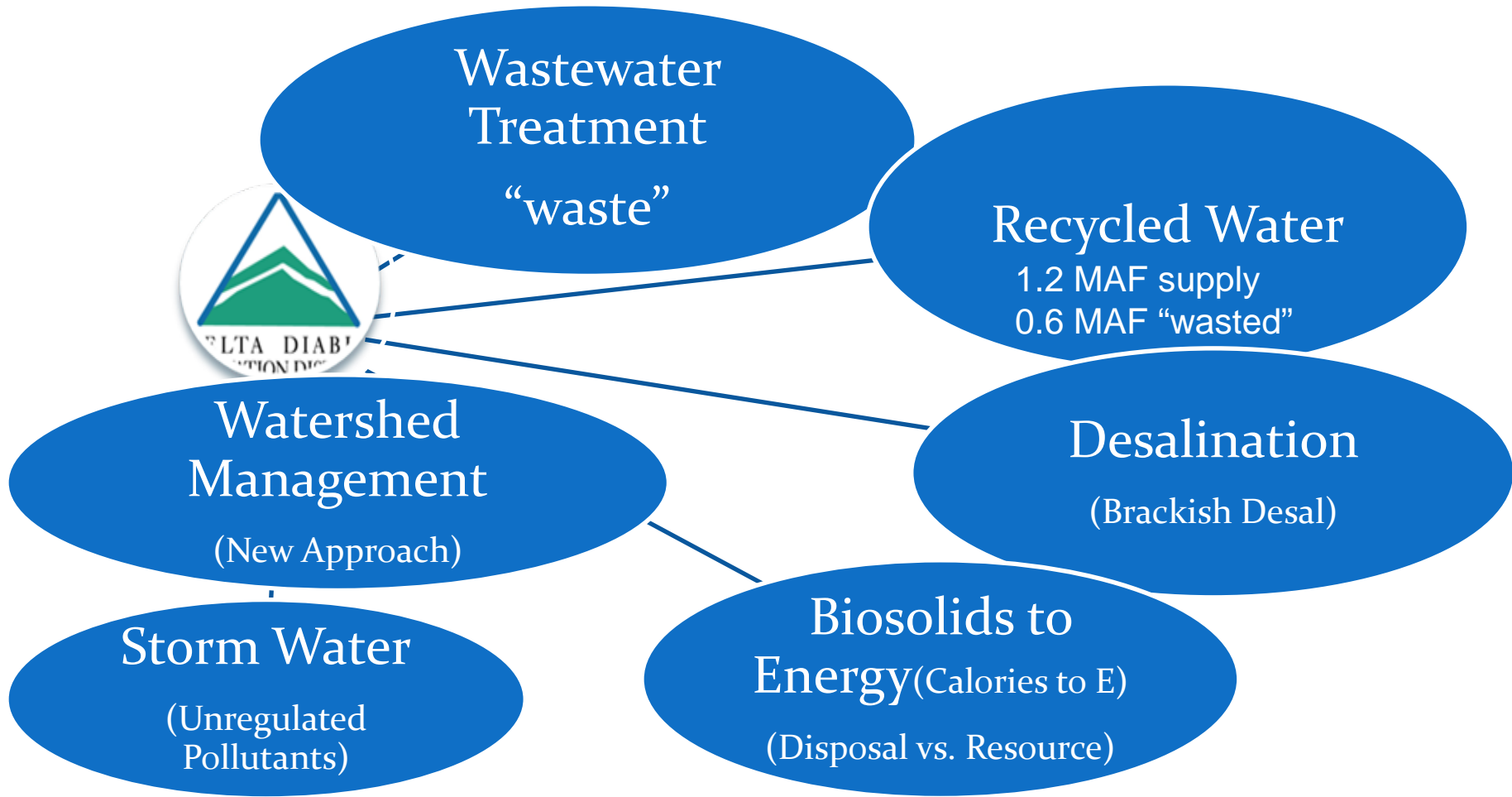
Impacts on Energy and Water Resources?

How best to invest public dollars?



# Untapped Resources . . .

## New Paradigm for Wastewater Agencies



# Current Irrigation Recycled Water Uses



Parks and Street Median  
Landscaping



Delta View Golf Course  
(complete Summer 2008)

# East County Industrial Recycle Water Study



## Recycle Water Needs:

Existing Calpine Power Plants  
2 New Mirant Power Plants  
1 New PG&E Power Plant  
5 GWF Power Plants  
Spiral Pipe  
Pittsburg Golf Course and 3 City Parks  
Antioch Golf Course and 5 City Parks



## Partnership:

State of California	
DDSD	Central San
ISD	CCWD
City of Antioch	Mirant
City of Pittsburg	PG&E

# Bay Area Regional Recycled Water Coalition



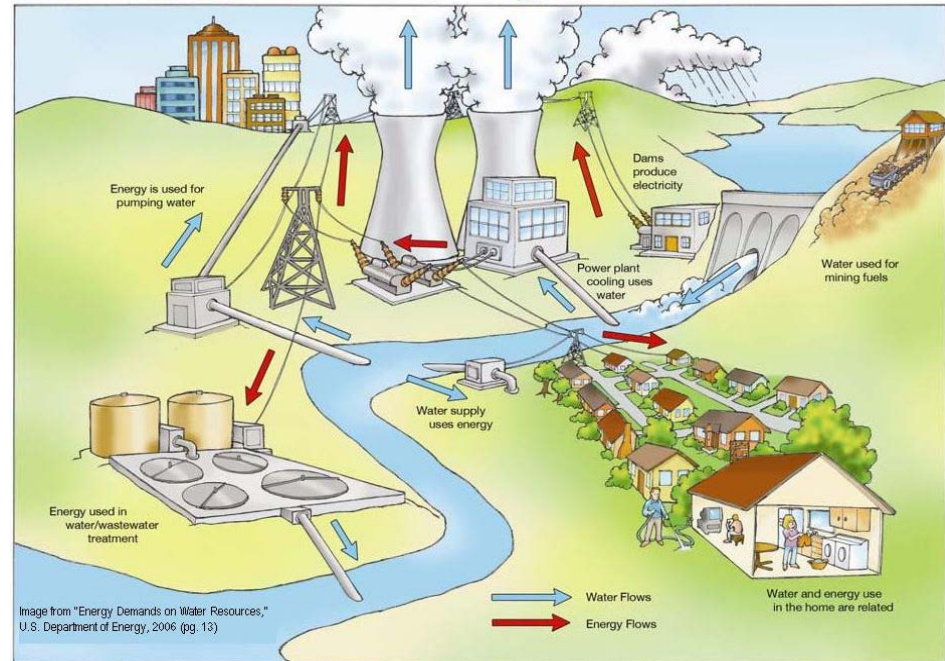
Coalition Philosophy  
Shared Lobbying  
One Regional Message  
Results



# Water –Energy Nexus

## Energy Demands –

- Water and Wastewater Treatment
- Recycled Water
- Desalination



## Development of sustainable energy

- Biosolids & other Bio-fuels
- Cogen & Fuel Cell
- Solar/Wind
- Grease to Fuel/Energy

# Bay Area Regional Biosolids Project

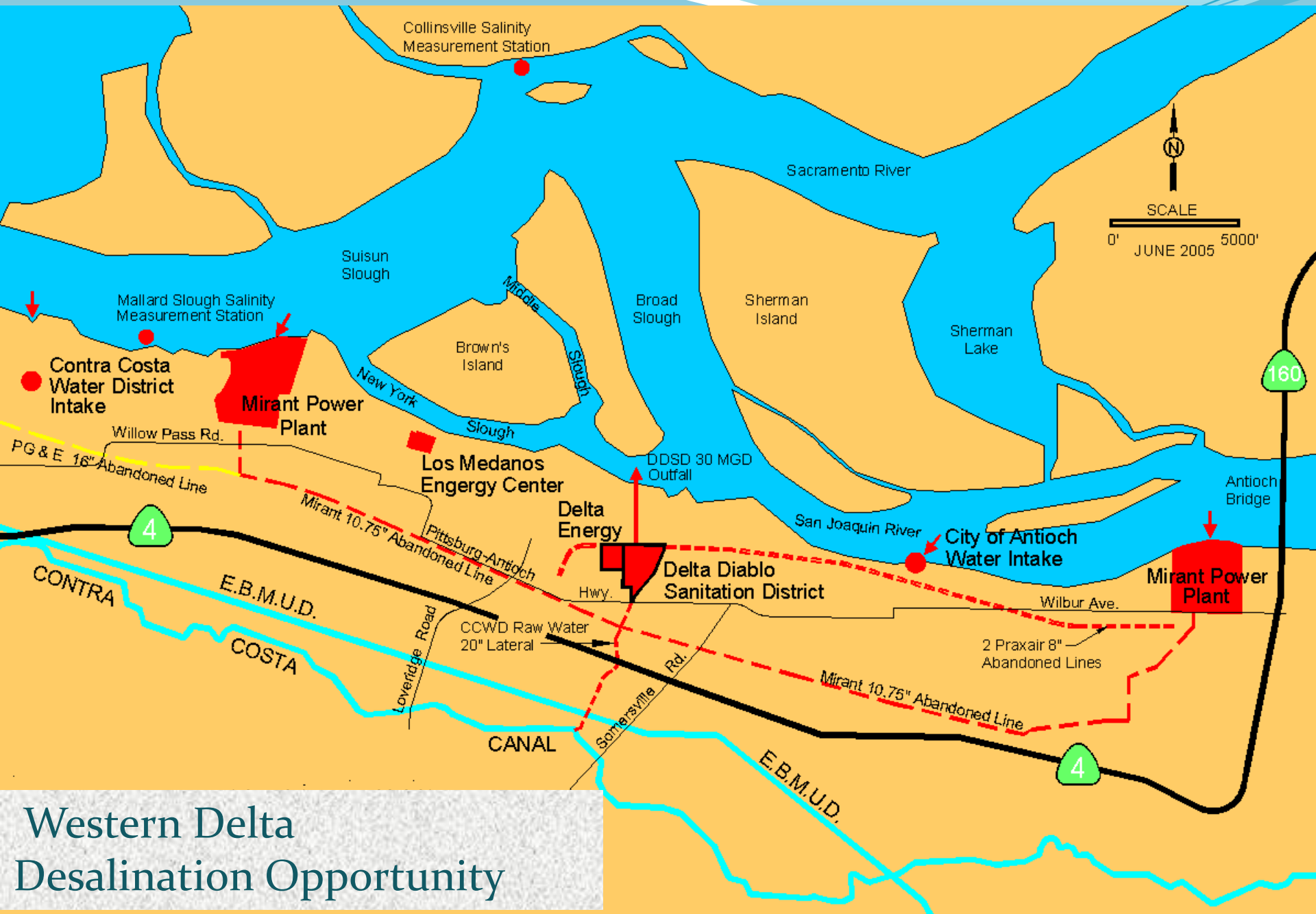


- 17 agencies representing over 2.5 million residents
- Maximize the sustainable resource development potential of Bay Area biosolids
- Minimize greenhouse gas (GHG) impacts
- Ultimate renewable energy project
- Eliminates land application
- Next Steps

# BAY AREA DESALINATION PROJECT

- Contra Costa Water District, East Bay MUD, San Francisco PUC,  
Santa Clara Valley Water District
- 2003 Study identified three potential Bay Area locations
- Western Delta, Oakland (Bay Bridge), San Francisco (outfall)





# Western Delta Desalination Opportunity

# The Key to Funding...



- Regional Approach
- Local media support
- Editorials
- Face to Face meetings with Legislators



# Key Messages

- Climate Change is happening
- Support Regional Partnerships
- Support Recycle Water Development
- Support Water Supply Relief Projects For The Delta
- Support Alternative Energy Projects







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