Overview

- Founded in 1914
- Population: ~336,000
- No. of Accounts: ~83,000
Services Provided

- Provide Water Service to Fremont, Newark, and Union City – 104.8 square miles
- Manage the Niles Cone Groundwater Basin
  - Cooperative Agreement with the Regional Water Quality Control Board
ACWD Boundary and SOI
Customer Profile

- **Residential**: 70% (≈ 31,000 AF)
- **Business**: 14% (≈ 6,000 AF)
- **Industrial**: 9% (≈ 4,000 AF)
- **Institutional**: 7% (≈ 3,000 AF)

AF (acre-foot) ≈ 326,000 gallons
ACWD by the Numbers

- 240 full time employees
- Board of Directors
  - Paul Sethy
  - Martin L. Koller
  - James G. Gunther
  - Judy C. Huang
  - John H. Weed
ACWD by the Numbers (Cont’d)

- 4 Treatment facilities
- 43 MGD – avg. daily production (FY 2011/12)
- 64 MGD – max. day production (FY 2011/12)
ACWD by the Numbers (Cont’d)

- >850 miles of pipelines
- 12 reservoirs & storage tanks
FY 2013/14 Financial Snapshot

- **Expenditures**
  - $119.0 million (FY 2013/14)
    - $74.4 million Operating Expenses
    - $39.8 million Capital Expenditures
    - $4.8 million Debt Service Expenses

- **Revenue**
  - $98.9 million (FY 2013/14)
    - $80.9 million Total Water Revenue
    - $8.1 million Proceeds from Taxation
    - $2.8 million Connection Charges
    - $2.1 million Customer Jobs
    - $1.0 million Interest
    - $4.0 million Other

- **AAA Bond Rating**
Water Supplies

- 40%: Alameda Creek Watershed/Niles Cone Groundwater Basin
- 40%: State Water Project
- 20%: San Francisco PUC
ACWD Water Supply Planning Considerations

- 35-Year Planning Horizon
- Vacant Lands Inventory
- Known Redevelopment Plans and Water Supply Assessments
- ABAG/MTC projections including Smart Growth policies
- Consultations with City Planning Staffs
ACWD Forecasting and ABAG/MTC Projections

Graph showing water demand projections from 1980 to 2050, with lines for different years and a dashed line representing ACWD's water demand forecast.
Land Use-Based Planning
Regional Partnerships

- Hayward Emergency Interconnections
- Milpitas Emergency Interconnections
- San Francisco Hetch-Hetchy System
- Contra Costa Water District – Los Vaqueros Reservoir
- Semitropic Water Storage District
- Zone 7 Water Agency & Santa Clara Valley Water District
2014 Drought

- California is currently experiencing the worst drought in its recorded history.
- ACWD has been informed that it will receive 0% of its yearly allocation from the State Water Project.
- The San Francisco Public Utilities Commission has asked ACWD to reduce its use of Hetch Hetchy water by 10% - possibly more.
- Local runoff from the Alameda Creek watershed, which recharges our groundwater basin, is currently at 10-20% of normal.
2014 Water Supply Uncertainty

- **Average Demand**
  - 48,000 acre-feet/year (pre-drought)
  - 38,400 acre-feet/year (20% conservation)

- **Range of Supplies**
  - 2013 Carryover: 0 AF – 10,400 AF
  - Semitropic returns: 0 AF – 13,500 AF
  - CCWD Transfer: 0 AF – 5,000 AF
  - SFPUC deliveries: 9,000 AF – 16,000 AF
  - DYTP: 0 AF – 1000 AF
  - Groundwater: 5,000 AF – 15,000 AF
Typical vs. Target Water Demands

Draft - Projected Monthly Demands with 20% Conservation
Assumes proposed conservation implementation plan presented to Exec Staff 1/30/14
2014 Proposed Water Use Ordinance

Focus on:
- Maintain Public Health and Safety
- Minimal Economic Impacts
- Minimizing waste and non-essential uses
- Minimize landscape irrigation, while still maintaining landscape plants and turf viability

Approach:
- Mandatory restrictions on certain water uses
- Mandatory restrictions on frequency of landscape irrigation
- Voluntary guidelines to improve indoor water use efficiency
- Provide water savings assistance – enhanced conservation
- Provide for Exceptions to Address Unique Circumstances
- Communicate frequently and regularly with the Community
ACWD’s Water Conservation Programs

For Residential Customers
- High Efficiency Clothes Washer Rebate Program
- Water Saver Kits
- High Water Use Notification
- Leak Detection
- California Youth Energy Services Partnership (CYES)

- Turf Replacement Incentives
- Water-wise Gardening Online tool
- Landscape Workshops
- The Aqueduct and ACWD website – seasonal irrigation notices
- NEW -
ACWD’s Water Conservation Programs

For Commercial, Industrial, and Institutional Customers

- High Efficiency Clothes Washer Rebates
- Commercial High Efficiency Toilet / Urinal Rebates
- Water Use Efficiency Surveys
- Free Low Flow Devices
ACWD’s Water Conservation Programs

For Large Landscape Customers

- “Smart” Weather-based Irrigation Controllers Rebates
- Turf Replacement Incentive Program
- Water Use Budgets
- Landscape Surveys
- Water Conservation Business of the Year Awards
- Stopwaste.org Partnership
- Landscape Contractor Workshops
NEW Program

Free Water Use Efficiency Services for Lower Income Homeowners, including:

- Water use survey
- Leak check/fix
- Retrofits of high volume toilets with high efficiency toilets
- Installation of water efficient showerheads & faucet aerators
Water Efficient Landscape Incentives

- Rebates for replacing water thirsty lawn with water efficient landscaping:
  - Low water use plants
  - Permeable landscape material
- $1 per square foot of turf replaced with water efficient landscaping, up to $1,500 for homes and $20,000 for businesses.
Challenges and Opportunities

- Groundwater Protection – New California State Water Resources Board Low Threat Case Closure Policy
- Restoration of California Coastal Steelhead Fisheries
- Infrastructure – Replacement and Resiliency
- Sacramento/San Joaquin Delta
- Financial Sustainability/Customer Affordability
- Climate Change
- Enhance Existing Regional Partnerships
Thank you...

Questions?

Contact:
Robert Shaver
510-668-4401
robert.shaver@acwd.com