

# City of Fresno Metropolitan Water Resources Management Plan

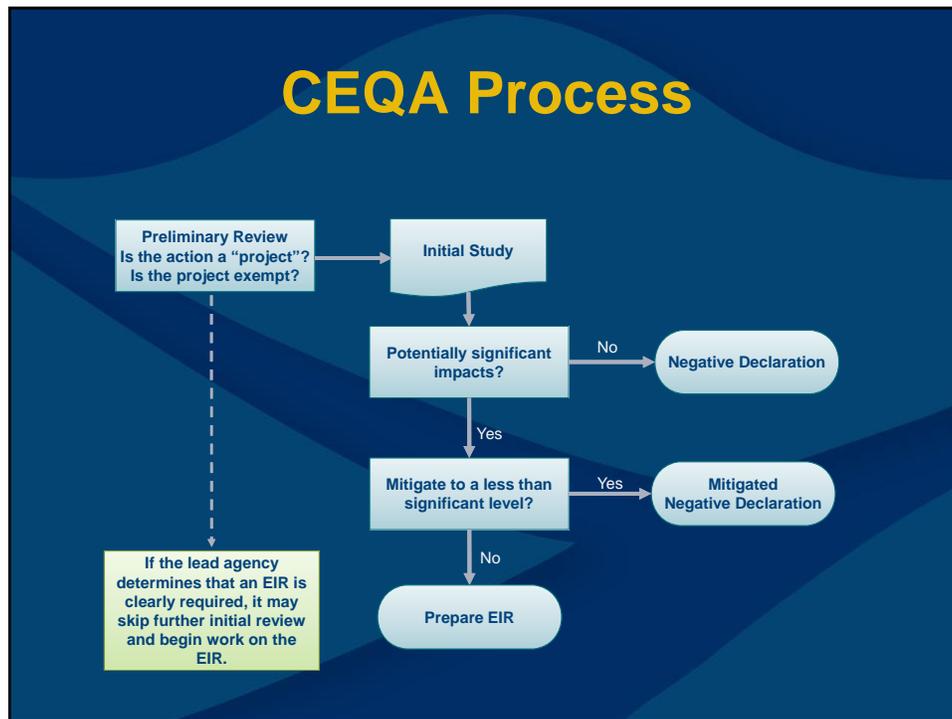
Environmental Impact Report  
Scoping Meeting  
September 16, 2013



ESA  
WEST YOST  
ASSOCIATES  
Consulting Engineers

## Purpose of Scoping Meeting

- Provides the public and governmental agencies the opportunity to offer input on the scope and content of the Draft Environmental Impact Report (EIR)



- ## The EIR Process
- Scoping
    - Notice of Preparation – September 6, 2013
    - Scoping Meeting – September 16, 2013
    - 30-day Comment Period – Ends October 14, 2013
  - Draft EIR
    - Detailed informational document that presents impact analysis
    - Circulated for 45 days of public review
      - Public hearing

## The EIR Process

- Final EIR
  - Written responses to comments received on Draft EIR
- Certification
  - City Council consideration of adequacy of EIR
  - Adopt Findings of Fact and Overriding Considerations
  - Project approval
- Notice of Determination

## Proposed EIR Schedule

- End of NOP Comment Period
  - October 14, 2013
- Publish Draft EIR end of 2013
- 45-day Public Review
  - Public Hearing
- Publish Final EIR – Spring 2014
- EIR Certification and Project Approval – Spring 2014

## How to Comment

- Fill out speaker card and provide verbal comment
- Fill out comment card and leave it or send it in
- E-mail or mail comments

Written comments must be received no later than  
**5:00 p.m. on October 14<sup>th</sup>:**

Brock Buche, Project Manager  
City of Fresno Department of Public Utilities, Water Division  
1910 East University Avenue  
Fresno, CA 93703-2988  
(559) 621-5325  
FresnoMetroPlan@esassoc.com

## METRO PLAN OVERVIEW

## City of Fresno Key Statistics

- Population:
  - Current (Jan 2013): 508,453 (CA Dept of Finance)
  - Future (2035): 961,366 (COG estimate)
- Area: 112 square miles
- Total Annual Water Demand: 138,700 acre-feet (2012)
- Per Capita Water Use: 240 gpcd (2012)



## Existing Water Supplies

### Groundwater Supplies (86% of 2012 supply)

- 270 active groundwater wells located throughout the City
- 2012 Production = 119,500 acre-feet

### Surface Water Supplies (14% of 2012 supply)

- Sources:
  - USBR CVP Class I Contract
  - Kings River Supply from Fresno Irrigation District
- Treatment:
  - 30 mgd Northeast Surface Water Treatment Facility
  - Started operation in 2004
- 2012 Production = 19,200 acre-feet

### Recycled Water

- Small local WWTP produces tertiary treated recycled water for golf course irrigation
- 2012 Production = 60 acre-feet
- No regional system yet



The City  
only has a  
finite  
amount of  
available  
water supply

## City Water Conservation and Water Metering Programs



- Water Conservation Program
  - Multi-faceted program with public outreach and education, rebate programs, landscape irrigation assistance
- Residential Water Meter Program
  - Recently completed installing water meters for over 100,000 single family residential connections
  - All water customers are now billed based on metered consumption

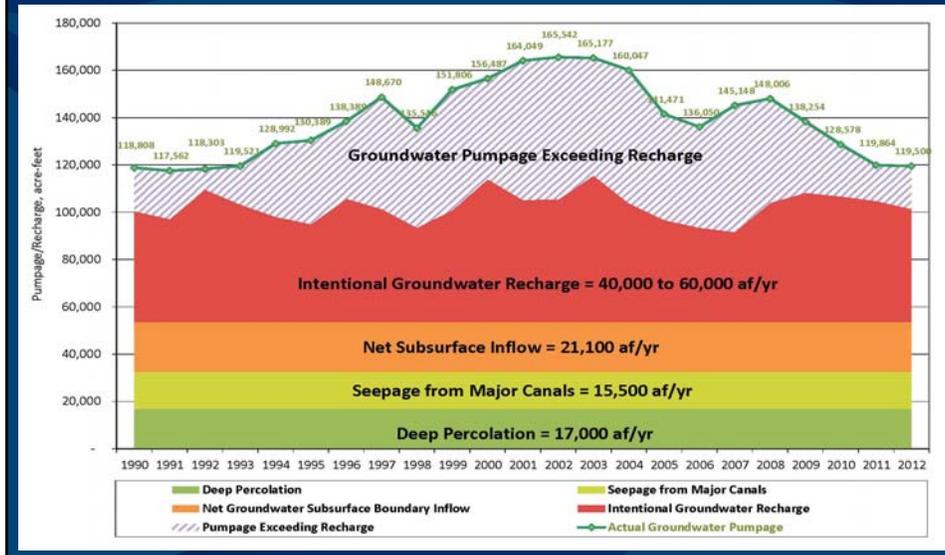
## Groundwater Recharge Program

- Partnership with Fresno Metropolitan Flood Control District and FID for use of recharge basins along with City-owned and operated recharge basins



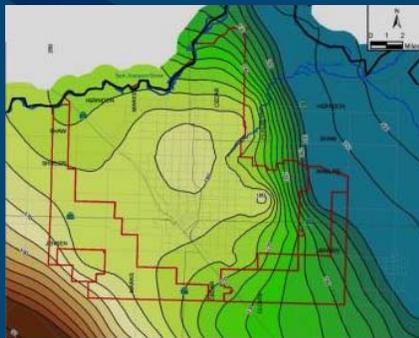
- City's largest recharge facility is "Leaky Acres"
- Total Annual Intentional Recharge is 40,000 to 60,000 af/yr
- 2012 Total Recharge was 47,800 af

## Annual Groundwater Pumpage Exceeds Recharge

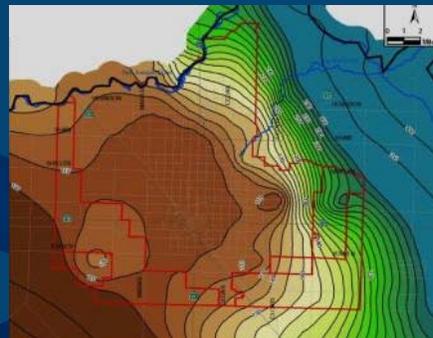


## Impacts on the Groundwater Basin Under "Status Quo" Conditions

2005 GW Levels



2060 GW Levels



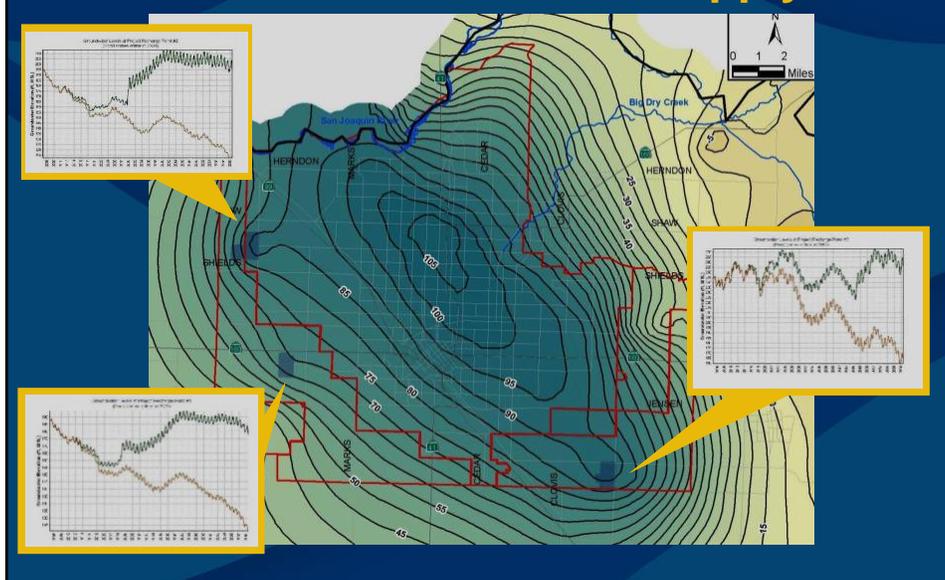
Groundwater Levels drop by as much as 85 feet by 2060 under "Status Quo" conditions

## Objectives of Metro Plan Update

Provide a sustainable and reliable water supply to meet anticipated water demands of existing and future customers through buildout of the City's adopted 2025 General Plan

- ✓ Maximize use of available SW supplies
- ✓ Balance the City's GW use
- ✓ Replenish GW storage when surplus SW supplies are available
- ✓ Increase water conservation activities and reduce per capita water use
- ✓ Incorporate use of tertiary-treated RW

## Projected Change in GW Elevations with Recommended Water Supply Plan



## Elements of Recommended Water Supply Plan

Increase Surface  
Water Treatment  
Capacity

Additional Water  
Conservation

Balance  
Groundwater  
Operations by  
2025

Increase Use of  
Tertiary-Treated  
Recycled Water



## Near-Term Project Elements (to be evaluated at a “Project Level”)

- **New Southeast SWTF (by 2018)**
  - Design capacity (80 mgd)
  - New clearwell (8 to 12 MG)
  - Potential relocation of existing DPU Water Division Administrative Offices and Corporation Yard
- **Existing Northeast SWTF (by 2020)**
  - Operational improvements to increase current capacity from 27.5 mgd to 30 mgd
  - Expansion from 30 mgd to 60 mgd
  - New clearwell (5 MG) (in addition to existing 1.5 MG clearwell)



## Near-Term Project Elements (to be evaluated at a “Project Level”)

- **Regional Transmission Mains (by 2018)**
  - From proposed SE SWTF west in Olive Avenue, north in First Street, west in McKinley Avenue or Belmont Avenue, then south in Palm Avenue
  - From proposed SE SWTF east in Olive Avenue, south in Temperance Avenue, west in North Avenue and connecting to downtown storage tank near H Street and Santa Clara
  - From proposed SE SWTF east in Olive Avenue to Dewolf Avenue to serve the proposed Southeast Growth Area

## Future Project Elements (to be evaluated at a “Program Level”)

- **Surface Water Treatment Facilities (2025)**
  - Future Southwest SWTF (10 to 20 mgd)
- **Potable Water Regional Transmission Facilities (2014-2025)**
  - Regional transmission main from NE SWTF along Palm Avenue to McKinley Avenue
  - Northerly crossing beneath Highway 99 and railroad along McKinley Avenue
- **Potable Water Storage Facilities (2015-2025)**
  - New Eastside Tank “T5”
  - New Westside Tank “T6”

## Future Project Elements (to be evaluated at a “Program Level”)

- **Groundwater Facilities (2014-2025)**
  - 65 new wells by 2025
  - Groundwater treatment systems on new wells to address water quality contaminants
  - Expanded groundwater recharge basins
  - Potential Aquifer Storage and Recovery (ASR) System
- **Water Conservation Programs**



## Questions?

**Sign-in List (Notification List)  
Comment Cards**

