

Presentation Overview

- Reminder of SGMA Requirements
 - Overview
 - Indian Wells Valley Designation
- Indian Wells Valley Basin Conditions
- Three Steps
- State Backstop

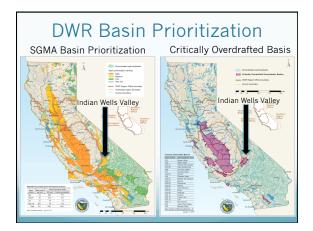
SGMA Update

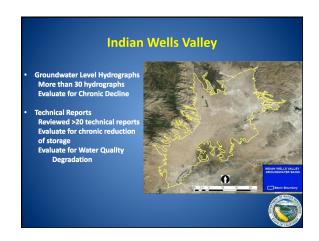
- Department of Water Resources Actions
- Legislation

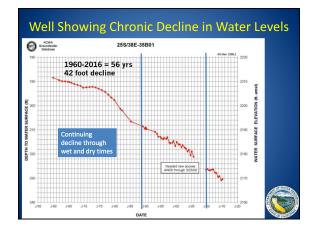
Sustainable Groundwater
Management Act Requirements
State of California

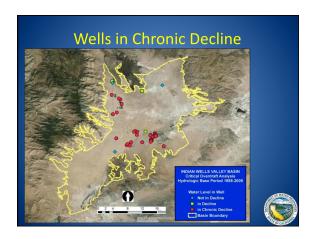
Sustainable Groundwater Management Act (SGMA)

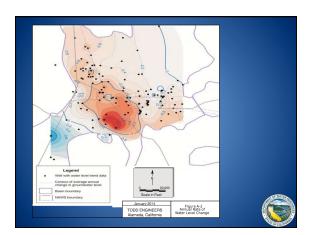
- Signed by Governor September 16, 2014
- Took effect January 1, 2015
- Recognizes preference for management by local agencies
 - o Provides additional authorities to local management agencies
 - Conduct studies
 - Register & monitor wells
 - Set well spacing requirements
 - Require extraction reporting
 - Regulate extractions
 - Implement capital projects
 - Assess fees to cover costs
- Provides for State as backstop to regulate unmanaged or poorly managed basins













Indian Wells Valley Groundwater Basin Conditions

- IWV Groundwater Basin has been documented in overdraft since at least the 1960's
- Declines of 1-2 feet per year, and some localized declines may be greater
- IWV Groundwater Basin is listed as a SGMA medium priority basin – GSA needs to be formed by June 30, 2017
- IWV Groundwater Basin is listed as a critically overdrafted basin – GSP needs to be adopted by January 31, 2020
- IWV Groundwater Basin needs to be sustainably managed within 20 years of adoption of the GSP

Indian Wells Valley Groundwater Basin Estimated Groundwater Demand

GW USER	2010	2013	2025
	Water Use	Water Use	Water Use
	AFY ³	AFY ³	AFY ³
Private Domestic	1,000	1,000	1,100
IWVWD & Inyokern CSD	8,000	8,000	8,000
Naval Air Weapons Station	1,800	1,800	1,800
Searles Valley Minerals	2,600	2,600	2,600
Ridgecrest Park irrigation	350	350	350
Subtotal - Agriculture	8,500	9,950	20,400
Subtotal of Current Uses	22,300	23,700	34,500
Estimated Overdraft ⁴	15,000	16,400	27,200

Notes:
1 Table modified from "Inden Wells Valley Resource Opportunity Plan. Water Availability and Conservation Report," Todd Engineers, 2014.
2) Assumes that water use except for new alfalfa fields and potaction orchards was approximately the same in 2010 as in 2013.
3) RFF — And set less regiser. All water use extensionable to be significant digits.
4) Overdist distintant based on an assumed basin yield of 73 000 FF?.
WWWO in Inden West West Deltack Co-Community Services District, Naval Air Wespors Station China Lable

SGMA Steps to **Groundwater Sustainability** Step three Step one Develop Form Groundwater Sustainability Groundwater Sustainability 20 years after Sustainability adoption of Agency June 30, 2017 plan* January 31, 2020 January 31, 2040 DWR may grant up to two, five-year extensions on Implementation upon showing good cause and progress

Step One: Form Groundwater Sustainability Agency (GSA)

- Local agency or combination of local agencies
- . "Local agency" is any public agency that does one of the following:
 - · Supplies water
- Manages water
- · Controls land use
- Counties are the default GSA in "unmanaged" areas
- Can be more than one GSA in basin

Domestic Wells and SGMA

- Referred to as "de minimis" users in SGMA
- · Use 2 acre-feet per year or less for domestic purposes
- De minimis users are subject to SGMA, depending on local
 - GSAs will decide how de minimis users are incorporated
 - GSAs can decide to exclude or include
- GSAs can decide on fees
- GSAs cannot require metering
- May be subject to reporting and fees to state if intervention occurs
- Domestic wells can also be regulated by authorities (counties, water districts, etc.) outside the scope of SGMA

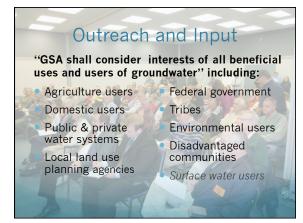
Step 2: Develop Groundwater Sustainability Plan

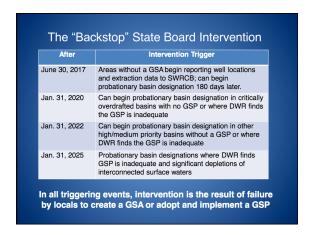
- Groundwater Sustainability Agency (GSA) must develop a sustainability plan by 2020
- California Department of Water Resources
 - . Issues requirements for those plans in 2016
 - Draft regulations will be available beginning 2016
 - Reviews GSPs for completeness within two years of submittal to DWR



Sustainability Options

- Reduce demand
- Increase conservation
- Increase recycled water use
- Increase recharge (stormwater, recycled) water, imported water)
- Brackish water project
- Import surface water







State Intervention is Not The Final Step

State intervention is temporary, and basin water users would still be required to develop their own plan for their basin.

State intervention would focus on "demand management" with limited options for solving overdraft problems.

After reimbursing the state, basin water users would still be required to fund their own solution for managing the basin.

A basin adjudication after January 1, 2015 would still be required to comply with all the requirements of SGMA.

Sustainable Groundwater Management Act Update

SGMA Update www.water.ca.gov/groundwater/sgm/index.cfm Groundwater Sustainability Agency Formation 171 GSA Filings 75 Exclusive GSA's formed 74 in Overlap Status 22 in 90 day waiting period

SGMA Update

www.water.ca.gov/groundwater/sgm/index.cfm

Groundwater Sustainability Plan Regulations

- Adopted May 18th California Water Commission
- Scheduled for Promulgation by June 1, 2016 per SGMA
- 153 formal letters received with over 2,000 individual comments

SGMA Update

www.water.ca.gov/groundwater/sgm/index.cfm

Groundwater Sustainability Plan Content

- Groundwater Sustainability Goal
- Water budget and sustainable yield
- 50 years hydrology
- 50-year planning horizon
- Detailed monitoring program
- Data management system
- Stakeholder involvement

SGMA Update

www.water.ca.gov/groundwater/sgm/index.cfm

Groundwater Sustainability Plan Content

- Groundwater sustainability indicators vulnerable to undesirable results
 - Measurable objectives
 - Minimum thresholds
 - 5-year interim milestones
 - Groundwater levels
 - Groundwater storage
- Groundwater quality
- Land subsidence
- Seawater intrusion
- Surface water depletion and ecosystems

SGMA Update

www.water.ca.gov/groundwater/sgm/index.cfm

Groundwater Sustainability Plan Content

- Projects an actions to meeting sustainability goal by 2040
- Annual data submittal to State
- · Periodic review and update of GSP

SGMA Update

www.water.ca.gov/groundwater/sgm/index.cfm

Best Management Practices

- DWR initiated integration with GSP Regs
- Final BMPs due January 1, 2017

Basin Boundary Modifications

- 54 submitted to State
- Public meetings scheduled in July

Water Available for Replenishment

DWR white paper drafted and on website
 Final report due December 31, 2016

Pertinent Legislation

- AB 1755 Dodd Open and Transparent Data Act in Senate Natural Resources and Water Committee
- SB 995 Pavley Well Standards in Assembly Environmental Safety and Toxic Materials
- SB 1317 Wolk Conditional Use Permit Groundwater Extraction Facility · in Assembly Water Parks and Wildlife

