

# Advisory Committees for County GSA Chowchilla Subbasin

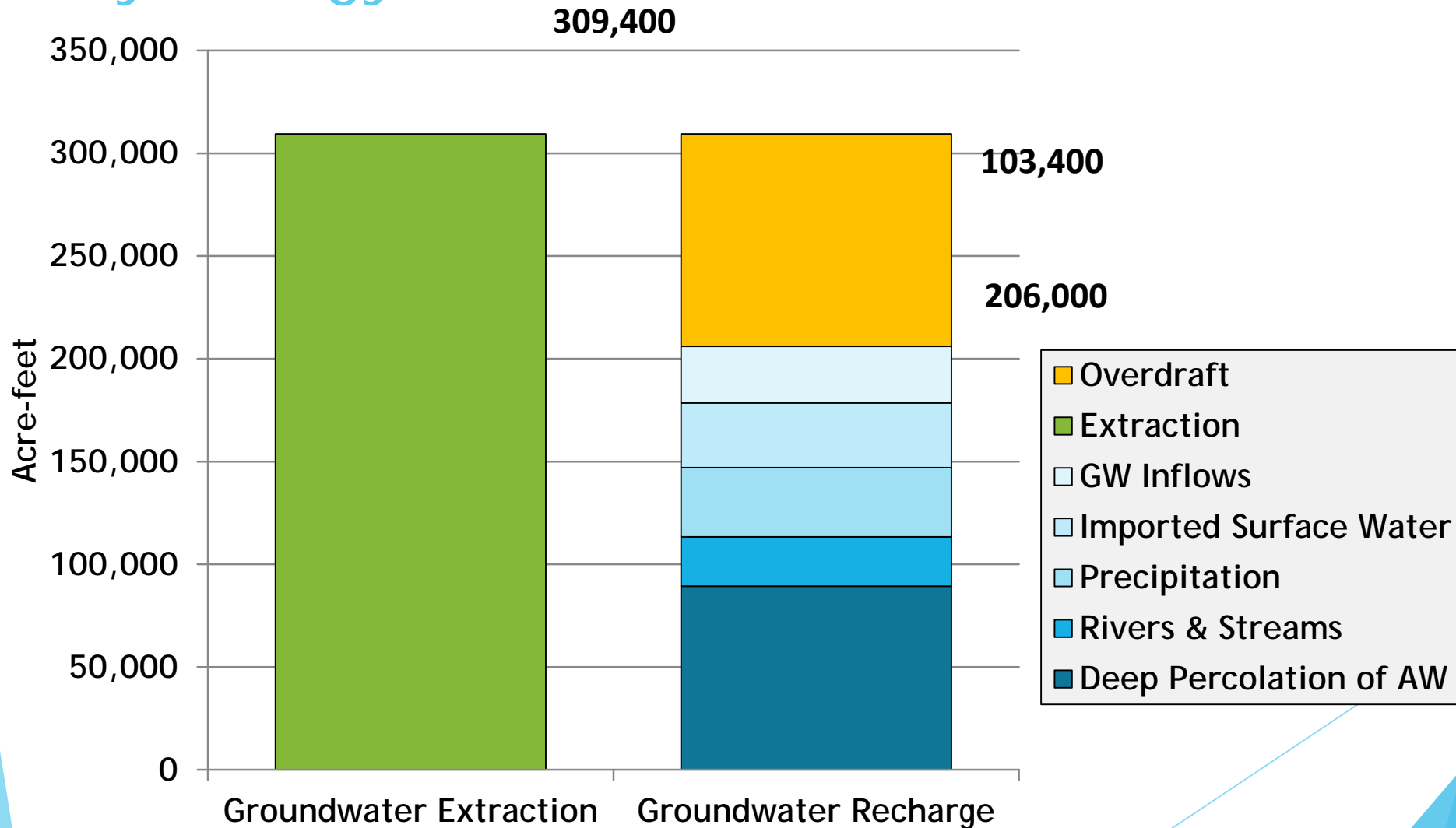
6:00 to 7:00 p.m., November 14, 2018  
Room 3005, County Government Headquarters

Madera, CA

# Madera County GSA - Chowchilla Subbasin Quarterly Update

- ▶ 4 GSAs with 1 GSP
- ▶ Currently in the “modeling” phase
- ▶ • Evaluate available regional models
  - ▶ DWR’s C2VSim-FG (1922-2015) ▫ Beta version available May 2018; not calibrated; Final version in progress; anticipated end of 2018
  - ▶ USGS CVHM (1961-2002) ▫ Forthcoming CVHM2 (1921-2013); expected late 2018?
  - ▶ DWR’s C2VSim-FG (Fine Grid) model as basis for local model refinement
    - ▶ • Develop and calibrate local refined model; compare with final C2VSim-FG version, when released
- ▶ Grant Awards: Water Markets
- ▶ Research: Pajaro Valley Groundwater Management Agency

# Simplified Water Budget: 1989-2014 Hydrology and 2015 Land Use



# Projects for Additional Analysis

Project Description	Gross Water Applied TAF/yr	<i>Number of Years 1989-2014 With Available Water</i>	Water Source	Within SGMA Timeline? (2040)
Flood-MAR: Crop lands in CWD (23,000 acres)	9	9 out of 26	Flood Water	Yes
Flood-MAR: Crop lands in Madera County from Ash and Berenda Slough (8,000 acres)	4	9 out of 26	Flood Water	Yes
Flood-MAR: Crop lands in Madera County from Eastside Bypass (2,400 acres)	1	9 out of 26	Flood Water	Yes
Flood-MAR: Recharge from Fresno River and Eastside Bypass of Triangle T crop land (346 acres)	7	9 out of 26	Flood Water	Yes
Groundwater recharge basins (5x80ac)	5	9 out of 26	Flood Water and Imported SW	Yes
Increase capacity of Buchanan Dam by 50,000 AF	10	9 out of 26	Flood Water	Potentially
Increase capacity of Madera Canal	6	9 out of 26	Flood Water and Imported SW	Potentially
Total, projects	42			
Water Use Reduction	61		Reduce Consumption	Yes

# Projects for Additional Analysis (cont)

Project Description	Gross Water Applied TAF/yr	Water Source	Within SGMA Timeline? (2040)
Flood-MAR: Red Top Joint Banking Project			Yes
Joint operated (crop when not being used for groundwater recharge) recharge basin		Flood Water and Imported SW	Yes
Merced-Chowchilla Intertie		Imported SW	Potentially

# Projects No Additional Analysis

Project Description	Gross Water Applied TAF/yr	Water Source	Within SGMA Timeline? (2040)
Off-stream storage above Madera Canal		Imported SW	Unlikely
Temperance Flat		Imported SW	Unlikely

# Calendar

- ▶ Public Meetings/Workshops
  - ▶ 7:30 a.m. November 16, 2018 - Water Market Game at Farm Bureau
  - ▶ 10:00 a.m. December 4, 2018 - Madera County GSA presentation to BOS
  - ▶ 12:00 noon December 5, 2018 - Chowchilla Subbasin GSP Advisory Committee at the Portuguese hall

# Advisory Committees

- ▶ Original roles:
  - ▶ provide feedback to BOS; and
  - ▶ conduct outreach in their own communities
- ▶ Current hurdles: Attendance, scheduling, administrative work, mission creep
- ▶ Topics for Discussion:
  - ▶ Could all three GSA Advisory Committees be one group?
  - ▶ What might next year look like?
  - ▶ Could representatives send people in their place?



# Questions/Discussion

