

# **MOWD's New Allocation Program**

MOWD Board Meeting

February 18, 2020

# Current MOWD Allocations

- Base Allocation: based on larger of
  - 15 units/month
  - 2010-2012 historical average
- Reduced allocation in Stage 3
  - 70% of Base Allocation
- No seasonal variation accounted for
- Residential/commercial/agriculture
  - Treated the same

# Casitas WEAP

- “Water Efficiency and Allocation Program”
- Adopted June 2015
  - After our approach was developed
- Future revisions likely
  - New State regulations
- MOU with Casitas MWD

# Why New Allocations?

- Conform to WEAP and MOU
  - Consistent approach in the valley
- More focus on high water users
  - “Grandfathered” water wasters

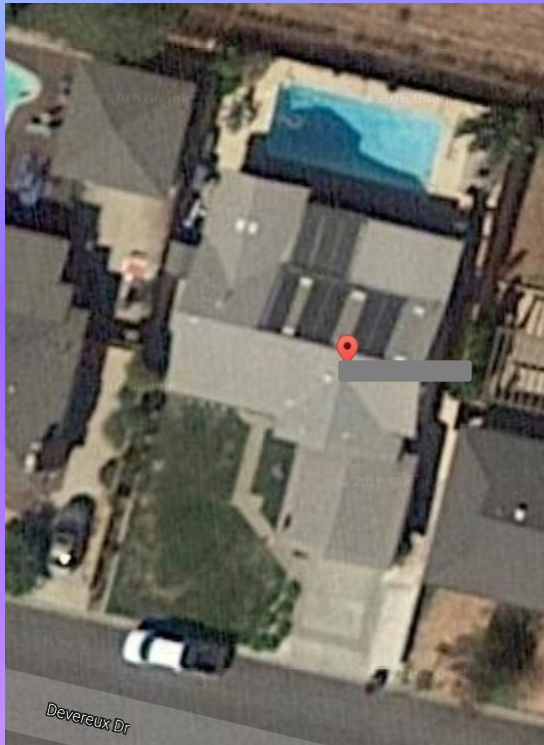
# Definitions

- Baseline allocation
  - Absence of drought
  - = fixed + variable
- Fixed allocation
- Variable allocation
- Reduced allocation

# Fixed allocation portion

Single family homes (Primary dwelling)	10 HCF/month
Multiple-family dwelling units (apartments)	7 HCF/month per dwelling unit
Mobile home parks	7 HCF/month per mobile home
Granny flats and second homes	7 HCF/month
Each additional dwelling unit	7 HCF/month
Tiny houses (<500 SF, limit of one per lot)	5 HCF/month


# Irrigable area



# We Hired Eagle Aerial



Eagle Aerial Solutions  
3420 Bristol St, 6<sup>th</sup> Floor, Costa Mesa, CA 92626  
Ph. (714) 754-7670 – [www.eagleaerial.com](http://www.eagleaerial.com)

Class	Class Description
<p><b>1. Impervious Surface</b> (Note: non-impervious areas indicated by white hatching)</p>  <p>The image is an aerial photograph of a building and its immediate surroundings. A red outline traces the perimeter of the building and its associated paved areas. Labels 'a' through 'f' are placed on the image to identify specific features: 'a' is on the building's roof, 'b' is on a sidewalk, 'c' is on a paved road or driveway, 'd' is on a deck or patio, and 'e' is on a gravel or stone walkway. Areas that are not impervious, such as lawns and trees, are filled with white diagonal hatching.</p>	<ul style="list-style-type: none"><li>a) Rooftops, building, or other structure footprints</li><li>b) Sidewalks</li><li>c) Roads or Driveways (paved)</li><li>d) Decks or Patios (wood, brick, concrete, etc.)</li><li>e) Gravel or stone walkways</li><li>f) Other man-made non-vegetated areas</li></ul> <p><b>Feature(s):</b> rooftop/building, sidewalk, road, c other areas</p>



# Land-Use Classifications

- Impervious surface
- Swimming pools
- Irrigated landscape – non-turf
- Irrigated landscape – lawn/turf
- Natural lands/vegetation
- Irrigable (not irrigated)
- Artificial turf

# More land uses...

- Horse corrals and arenas
- Open water
- Agriculture

# Variable allocation portion

- First 5,000 Sq Ft      15 gal/SF    (2 ft/yr)
- Next 10,000 Sq Ft    10 gal/SF   (1.3 ft/yr)
- Next 71,684 Sq Ft    3 gal/SF   (0.4 ft/yr)
- Amt over 1.99 acres   None

# Multiple Family Dwellings

- Number of units X 7 units/mo
- Plus irrigable area for variable portion
  - Same as single residence

# Commercial & Agriculture

- Allocations based on historical
  - (No change)
- commercial get 10 units/mo “fixed”
- All of Ag demand is “variable”
  - Subject to reductions
  - 2.5 AF/acre/year cap

# Drought Reductions

- Fixed part not normally reduced
- Variable part reduced by drought stage

**Table 2. Mandatory Reductions During Drought Stages**

<b>Stage</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Reduction</b>	None*	20%	30%	40%	50%

\* Voluntary 20% reductions in effect.

# Seasonal Variations Allowed

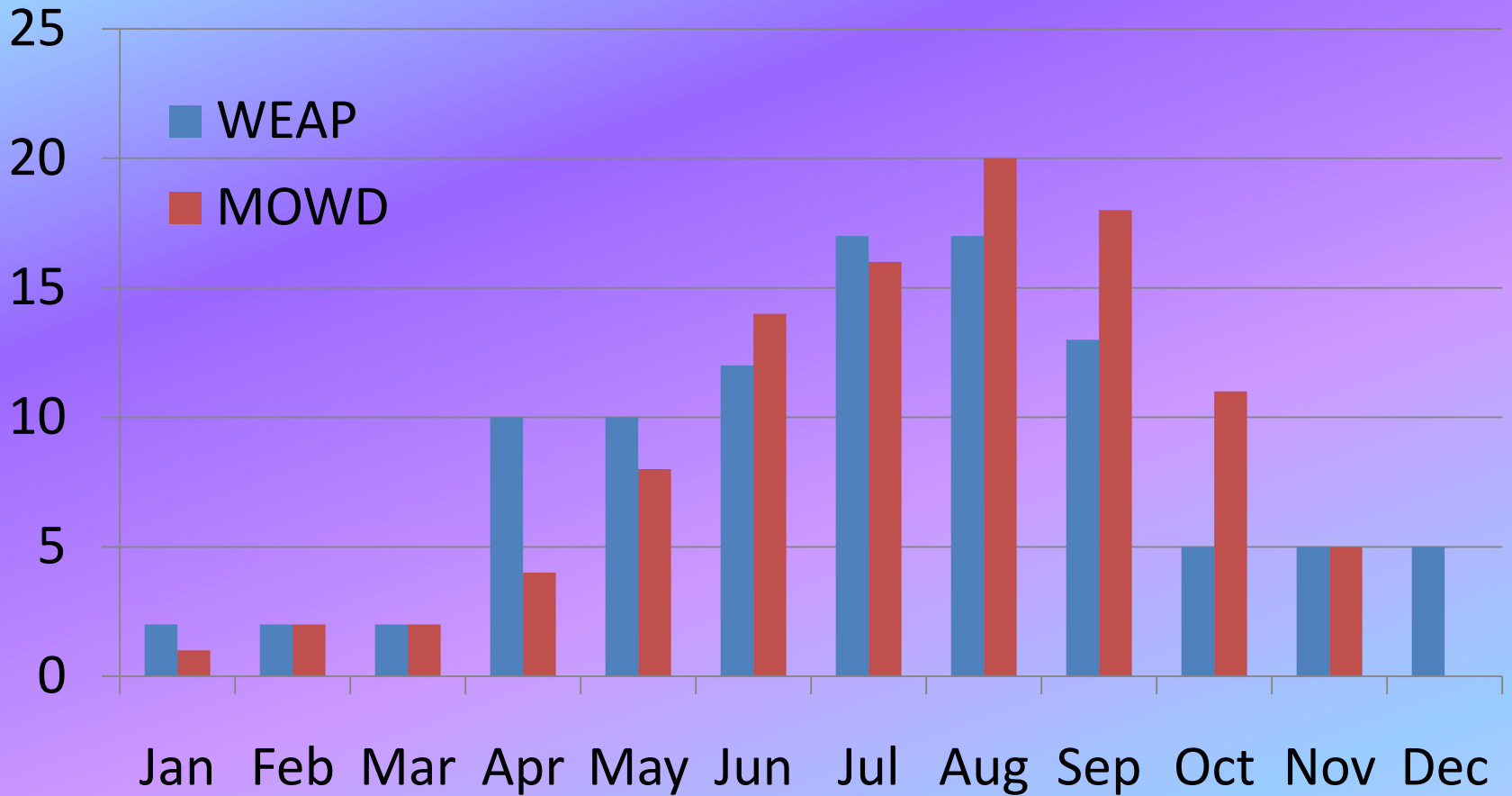
**Table 3. Monthly Irrigation Allowance  
Percentage of Variable Portion of Reduced Annual Allocation**

Month	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
% of Annual Variable Allocation*	17	17	13	5	5	5	2	2	2	10	10	12

\*From the Casitas MWD WEAP. These percentages correspond well with patterns of residential usage within MOWD.

- Residences get monthly allocation
- Commercial & Ag manage their own
  - Pay penalties at the end of the year

# Seasonal Water Use - %/month





# Waiver Program

- Similar to existing program
- Biggest uncertainties:
  - Multiple parcels
  - Categories R, C, A
  - Multiple family dwellings

THE END