Case Examples

1. Some growers report they grow one crop during part of the crop year and a different crop during the other part of the crop year. How should the total irrigation allowance be calculated?

Here is an example:
100 acres of celery and 50 acres of lima beans are grown during the same crop year (August 1 – July 31).

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in?** ***(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Oxnard (Zone 1)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Celery – Fall & Lima Beans
4. **How many acres were irrigated per crop?**
   Example Answer: Celery – Fall @ 100 acres
   Lima Beans @ 50 acres
5. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Celery – Fall = 1.6 AF/A
   Lima Beans = 0.8 AF/A
6. **Calculate your total irrigation allowance by crop.** ***(Irrigation allowance value multiplied by acres irrigated)***
   Example Answer: Celery – Fall = 1.6 AF/A x 100 A = 160 AF
   Lima Beans = 0.8 AF/A x 50 A = 40 AF
7. **Add the two total crop irrigation allowances together.**
   Example Answer: 160 AF + 40 AF = 200 AF
8. **Total Irrigation Allowance = 200 AF**

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #1

What is your Eto Zone (see map)? Oxnard (Zone 1) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
##N##W##X##	89.563	+	91.293	=	180.856
		+		=	
		+		=	
		+		=	
		+		=	
	Total Volume from Wells	=			180.856 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
	Total Volume from Purveyor	=			0 ②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
	Total Volume from Other Sources	=			0 ③
WATER APPLIED equals the sum of the total volume ① + ② + ③	=				180.856 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
Celery - Fall	100	x	1.6	x	100 %	=	160
Lima Beans	50	x	0.8	x	100 %	=	40
		x		x	%	=	
		x		x	%	=	
	Total Seasonal Crop Irrigation Allowance	=					200 ⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
							Total Annual Crop Irrigation Allowance =		0 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance 200

\+

Total Annual Crop Irrigation Allowance 0

=

Total Irrigation Allowance 200

Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{180.856\ (④)}{200\ (⑦)} = 0.904$$

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map(s) with location of well(s) and irrigated acres by crop

2. I'm growing a Seasonal Crop and an Annual Crop this crop year; however, I'm only growing the Annual Crop for a partial crop year. How do I report this on my Application for Annual Efficiency Allocation?

Answer: When an Annual Crop is not grown for the entire crop year, it's necessary for the grower to prorate the irrigation allowance for that crop.

Example: A grower was double cropping with celery and sod, but sod for only a partial crop year.

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What is your ETo Zone? *(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Oxnard (Zone 1)
2. **What is the year type?**
   Example Answer: Dry
3. **List all State Well Numbers under *Groundwater Wells*. *(See Page 2 of your application, Table 1)***
   Example Answer: 02N19WXXBXX
4. **Enter your well extraction data from both semi-annual reporting periods for the crop year.**
   Example Answer: Aug – Jan = 105.211 AF
   Feb – Jul = 95.452 AF
5. **Calculate your yearly total for each well.**
   Example Answer: 105.211 AF + 95.452 AF = 200.663 AF
6. **Calculate your total volume from all wells. *(See Page 2, ①)***
   Example Answer: 200.663 AF
7. **Repeat steps 3 through 6 for the *Water Purveyor* and *Other Sources* sections. *(See Page 2, Tables 2 & 3)***
   Example Answer: Water Purveyor Total = 0
   Other Sources = 0

8. **Add the total volume from Wells, Purveyor and Other Sources together.** ***(See Page 2, Box 4)***
   Example Answer: 200.633 AF + 0 AF + 0 AF = 200.633 AF
9. **Enter your total from Step 8 into the box on the bottom of page 2 with the ④.**
10. **What crops did you grow?**
    Example Answer: Celery – Fall & Sod
11. **Are the irrigation allowances annual or seasonal?**
    Example Answer: Celery – Fall = seasonal
    Sod = annual
12. **List your crop in the corresponding table.** ***(See Page 2, Tables 4 & 5)***
13. **List the number of acres irrigated for each crop.**
    Example Answer: Celery – Fall @ 80 acres
    Sod @ 80 acres
14. **Find your irrigation allowance per crop by using the table above. Enter this data on Page 2, Tables 4 and/or 5 under *Irrigation Allowance per Acre*.**
    Example Answer: *Table 4* Celery – Fall = 1.6 AF/A
    Table 5 Sod = 3.2 AF/A
15. **List how many months of the crop year the Annual Crop was grown. Enter this data on Page 2, Table 5 under *# of Irrigated Months***
    Example Answer: 5
16. **Calculate your Total Seasonal Crop Irrigation Allowance.** ***[Irrigation allowance value multiplied by the acres irrigated. Then add all totals from this section together and place on page 2, ⑤)***
    Example Answer: Celery – Fall = 1.6 AF/A x 80 A = 128 AF
17. **Calculate your Total Annual Crop Irrigation Allowance.** ***[Irrigation allowance value multiplied by acres irrigated multiplied by irrigated months (for annual crops ONLY). Then add all totals from this section together and place on page 2, ⑥]***
    Example Answer: Sod = 3.2 AF/A x 80 A x 5/12 months (prorated) = 106.667 AF
18. **Add the two total irrigation allowances together.** ***(See Page 2, ⑦)***
    Example Answer: 128 AF + 106.667 AF = 234.667 AF
19. **Total Irrigation Allowance** ***(total from question 8). Enter in box ⑦.***
    Example Answer: 234.667 AF
20. **Calculate your Irrigation Allowance Index.** ***(Water Applied ④ divided by Total Irrigation Allowance ⑦)***
    Example Answer: 200.663 / 234.667 = 0.855

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #2

What is your Eto Zone (see map)? Oxnard (Zone 1) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet Aug - Dec		Jan - Jul		Yearly Total
##N##W##X##	105.211	+	95.452	=	200.663
		+		=	
		+		=	
		+		=	
		+		=	
Total Volume from Wells				=	200.663 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Purveyor				=	0 ②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Other Sources				=	0 ③
WATER APPLIED equals the sum of the total volume ① + ② + ③				=	200.663 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
Celery - Fall	80	x	1.6	x	100 %	=	128
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
Total Seasonal Crop Irrigation Allowance						=	128 ⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
Sod	80	x	3.2	x	5	/	12	=	106.667
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
Total Annual Crop Irrigation Allowance =									106.667 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance 128 ⑤

\+

Total Annual Crop Irrigation Allowance 106.667 ⑥

=

Total Irrigation Allowance 234.667 ⑦

Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{200.663\ (④)}{234.667\ (⑦)} = 0.855$$

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map(s) with location of well(s) and irrigated acres by crop

3. I double crop celery. How should the total irrigation allowance be calculated?

Example: Two celery crops are grown on the same acreage in the same crop year (August 1 – July 31).

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in?** ***(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Camarillo (Zone 2)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Celery – Fall & Celery – Spring
4. **How many acres were irrigated per crop?**
   Example Answer: Celery – Fall @ 50 acres + Celery – Spring @ 50 acres = 100 total acres
5. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Celery – Fall = 1.8 AF/A
   Celery – Spring = 1.8 AF/A
6. **Calculate your total irrigation allowance by crop.** ***(Irrigation allowance value multiplied by acres irrigated)***
   Example Answer: Celery – Fall = 1.8 AF/A x 50 A = 90 AF
   Celery – Spring = 1.8 AF/A x 50 A = 90 AF
7. **Add the two total crop irrigation allowances together.**
   Example Answer: 90 AF + 90 AF = 180 AF
8. **Total Irrigation Allowance = 180 AF**

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #3

What is your Eto Zone (see map)? Camarillo (Zone 2) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
##N##W##X##	59.858	+	62.932	=	
		+		=	
		+		=	
		+		=	
		+		=	
			Total Volume from Wells	=	122.790 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
			Total Volume from Purveyor	=	0 ②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
Neighbor's Well: ##N##W##X##	0	+	40.125	=	40.125
		+		=	
			Total Volume from Other Sources	=	40.125 ③
WATER APPLIED equals the sum of the total volume			*③ +② +①*	=	162.915 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
Celery -Fall	50	x	1.8	x	100 %	=	90
Celery - Spring	50	x	1.8	x	100 %	=	90
		x		x	%	=	
		x		x	%	=	
				Total Seasonal Crop Irrigation Allowance		=	180 ⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
					Total Annual Crop Irrigation Allowance	=			0 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance 180

\+

Total Annual Crop Irrigation Allowance 0

=

Total Irrigation Allowance 180 ⑦

Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{162.915\ (④)}{180\ (⑦)} = 0.905$$

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map(s) with location of well(s) and irrigated acres by crop

4. I rotate more than two vegetable crops throughout the crop year. How should the total irrigation allowance be calculated?

Answer: What you're describing is essentially year-round vegetable cropping. Use one of the *Year-Round Vegetables* crop categories.

Example: A grower reported an average of 2.4 Seasonal Crops on 300 acres for the crop year. There were over 20 combinations of vegetable crops (not including celery) grown over the course of the crop year.
Note: Some growers may want to report this as 720 cropped acres (300 acres x 2.4 crops); however, when using the *Year-Round Vegetables* crop categories that is not the correct way to report the acres because the Irrigation Allowance reflects the higher water use per acre. For this example, 300 acres is the reported irrigated acres. *(This answer assumes that the full 300 acres was being used for each crop. If this is not the case for you, it is most appropriate to use each crop's individual acreage.)*

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*
[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*
[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*
[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in? (If you are unsure, please refer to the ETo Zone Map.)**
   Example Answer: Camarillo (Zone 2)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: 20+ combinations of vegetables (not including celery) throughout the entire crop year = Year-Round Vegetables – Not Including Celery
4. **How many acres were irrigated?**
   Example Answer: Year-Round Vegetables – Not Including Celery @ 300 acres
5. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Year-Round Vegetables – Not Including Celery = 3.5 AF/A
6. **Calculate your total irrigation allowance by crop. (Irrigation allowance value multiplied by acres irrigated.)**
   Example Answer: Year-Round Vegetables – Not Including Celery = 3.5 AF/A x 300 A = 1050 AF
7. **Total Irrigation Allowance = 1,050 AF**

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #4

Reset

What is your Eto Zone (see map)? Camarillo (Zone 2) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
02N22W24A02	568.800	+	486.000	=	1054.8
		+		=	
		+		=	
		+		=	
		+		=	
Total Volume from Wells				=	1054.8 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Purveyor				=	②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Other Sources				=	③
WATER APPLIED equals the sum of the total volume ③ +② +①				=	1054.8 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
Total Seasonal Crop Irrigation Allowance						=	⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
Year-Round Vegetables - Not Including Celery	300.00	x	3.5	x	12	/	12	=	1050
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
Total Annual Crop Irrigation Allowance =									1050 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance ⑤

\+

Total Annual Crop Irrigation Allowance 1050 ⑥

=

Total Irrigation Allowance 1050 ⑦

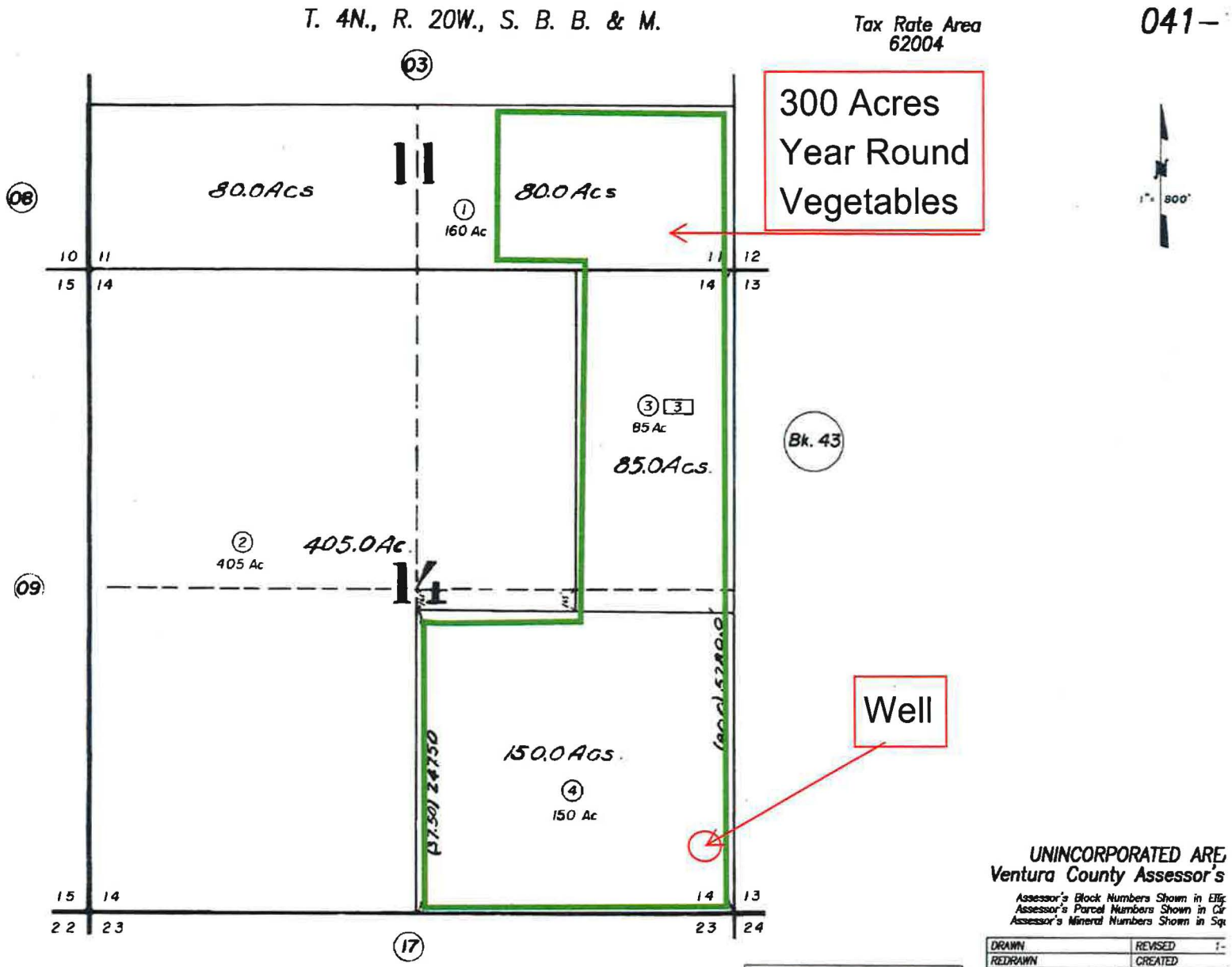
Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{1054.8\ ④}{1050\ ⑦} = 1.00$$

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map with location of well(s) and irrigated acres by crop

Case Example 4



5. I grow three Seasonal Crops on 200 acres per crop year. Only one of the three Seasonal Crops was grown on the full 200 acres. The other Seasonal Crops were grown on less than 200 acres each. How should the total irrigation allowance be calculated?

Answer: Use the Irrigation Allowance table to calculate your total irrigation allowance for each of the crops grown using their individual acreage.

Example: A grower grew 50 acres of Lima Beans, 50 acres of Misc. Vegetable – Spring and 200 acres of Misc. Vegetable – Summer in one crop year.

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	**# OF CROPS**	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	**# OF CROPS**	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	**# OF CROPS**	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***	***Total AF/A***
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in? *(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Camarillo (Zone 2)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Lima Beans, Misc. Vegetable – Spring & Misc. Vegetable – Summer
4. **How many acres were irrigated per crop?**
   Example Answer: Lima Beans @ 50 acres
   Misc. Vegetable – Spring @ 50 acres
   Misc. Vegetable – Summer @ 200 acres
5. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Lima Beans = 0.9 AF/A
   Misc. Vegetable – Spring = 1.4 AF/A
   Misc. Vegetable – Summer = 1.7 AF/A
6. **Calculate your total irrigation allowance by crop. *(Irrigation allowance value multiplied by acres irrigated)***
   Example Answer: Lima Beans = 0.9 AF/A x 50 A = 45 AF
   Misc. Vegetable – Spring = 1.4 AF/A x 50 A = 70 AF
   Misc. Vegetable – Summer 1.7 AF/A x 200 A = 340 AF
7. **Add the three total crop irrigation allowances together.**
   Example Answer: 45 AF + 70 AF + 340 AF = 455 AF
8. **Total Irrigation Allowance = 455 AF**

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #5

What is your Eto Zone (see map)? Camarillo (Zone 2) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet				
	Aug - Dec		Jan - Jul		Yearly Total
##N##W##X##	153.45	+	162.62	=	316.07
		+		=	
		+		=	
		+		=	
		+		=	
Total Volume from Wells				=	316.07 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet				
	Aug - Dec		Jan - Jul		Yearly Total
PVCWD	65.24	+	53.67	=	118.91
		+		=	
Total Volume from Purveyor				=	118.91 ②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet				
	Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Other Sources				=	0 ③
WATER APPLIED equals the sum of the total volume ③ +② +①				=	434.98 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
Lima Beans	50	x	0.9	x	100 %	=	45
Misc. Vegetable - Spring	50	x	1.4	x	100 %	=	70
Misc. Vegetable - Fall	200	x	1.7	x	100 %	=	340
		x		x	%	=	
Total Seasonal Crop Irrigation Allowance						=	455 ⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
Total Annual Crop Irrigation Allowance =									0 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance 455 ⑤

\+

Total Annual Crop Irrigation Allowance 0 ⑥

=

Total Irrigation Allowance 455 ⑦

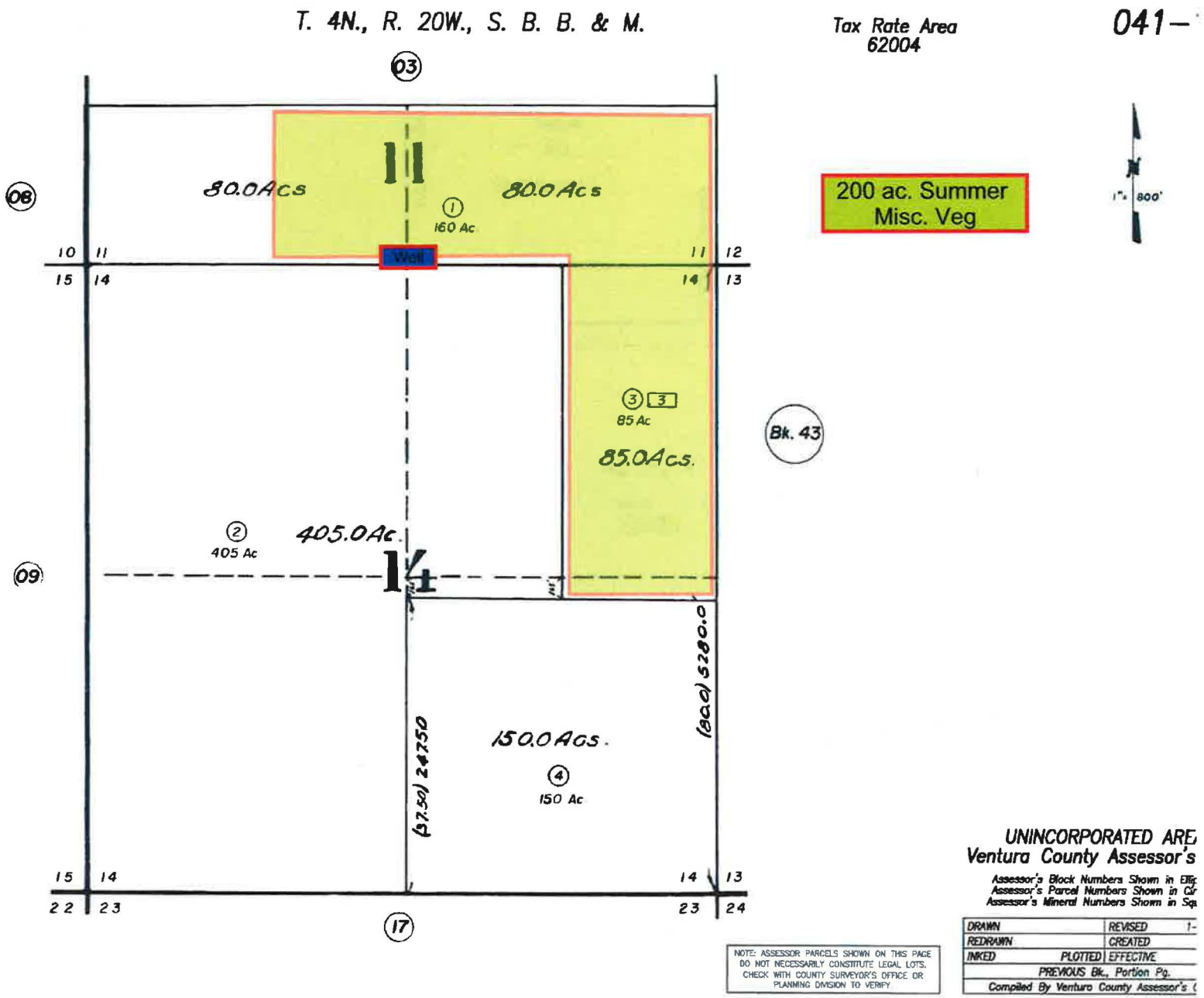
Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{434.98\ (④)}{455\ (⑦)} = 0.956$$

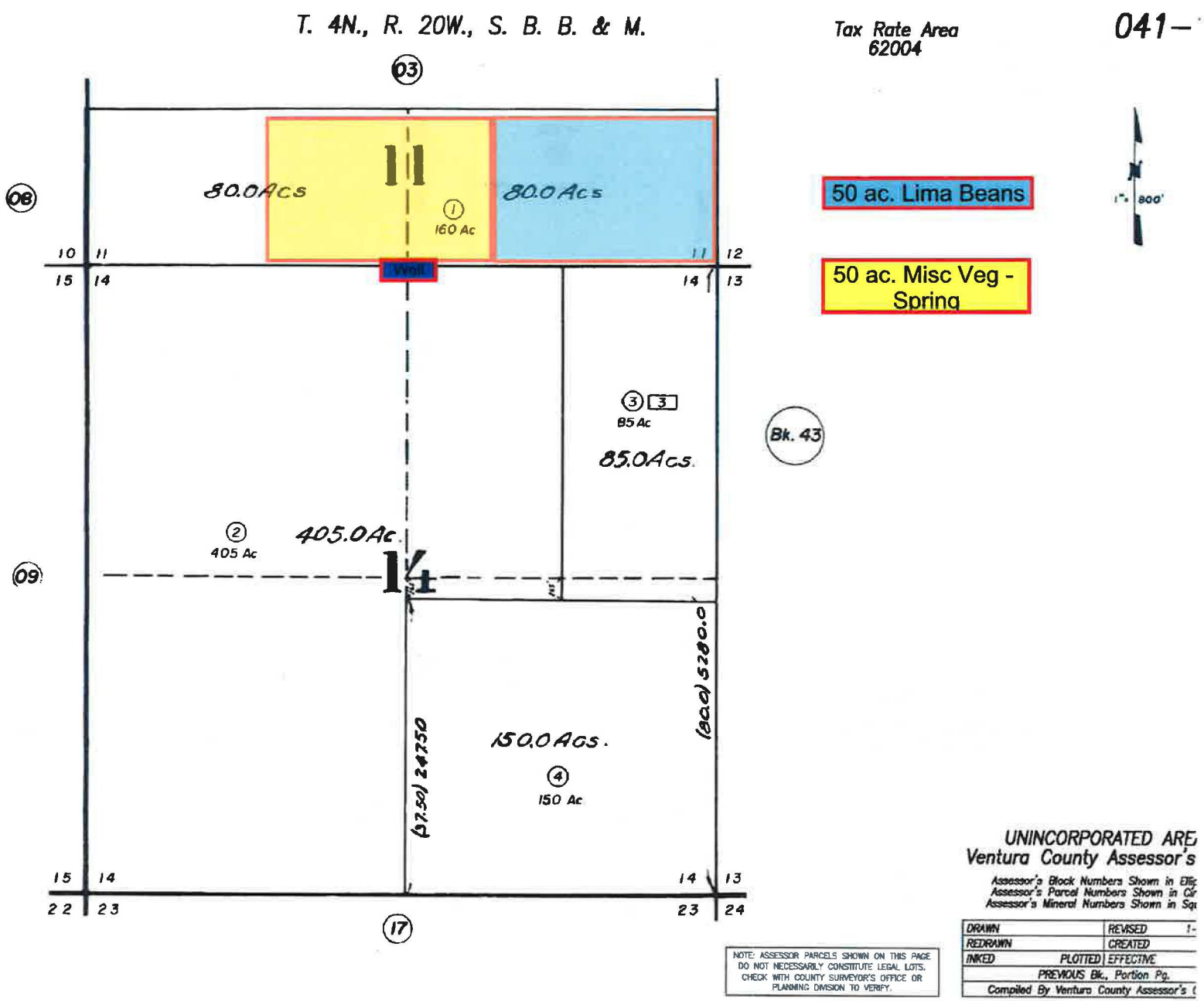
Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map with location of well(s) and irrigated acres by crop

Case Example 5



Case Example 5



6. I grew my trees for only a partial crop year. How should the total irrigation allowance be calculated?

Answer: When an Annual Crop is not grown for the entire crop year, it's necessary for the grower to prorate the irrigation allowance for that crop.

Example:
100 acres of Avocado trees are planted in January and grown through the end of the crop year.

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in?** ***(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Oxnard (Zone 1)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Avocado < 20% Ground Shading
4. **How many acres were irrigated per crop?**
   Example Answer: Avocado < 20% Ground Shading @ 100 acres
5. **How many months of the crop year was the Annual Crop grown?**
   Example Answer: January – July = 7 months
6. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Avocado < 20% Ground Shading = 1.5 AF/A
7. **Calculate your Total Irrigation Allowance.** ***[Irrigation allowance value multiplied by acres irrigated multiplied by irrigated months (for Annual Crops ONLY).]***
   Example Answer: Avocado < 20% Ground Shading = 1.5 AF/A x 100 A x 7/12 months (prorated) = 87.500 AF
8. **Total Irrigation Allowance = 87.500 AF**

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #6

What is your Eto Zone (see map)? Oxnard (Zone 1) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet Aug - Dec		Jan - Jul		Yearly Total
##N##W##X##	43.225	+	28.831	=	72.056
		+		=	
		+		=	
		+		=	
		+		=	
Total Volume from Wells				=	72.056 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Purveyor				=	0 ②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Other Sources				=	0 ③
WATER APPLIED equals the sum of the total volume ③ +② +①				=	72.056 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
Total Seasonal Crop Irrigation Allowance						=	0 ⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
Avocado < 20% Ground Shading	100	x	1.5	x	7	/	12	=	87.5
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
Total Annual Crop Irrigation Allowance =									87.5 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance ⑤ 0

\+

Total Annual Crop Irrigation Allowance ⑥ 87.5

=

Total Irrigation Allowance ⑦ 87.5

Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{④\ 72.056}{⑦\ 87.5} = 0.823$$

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map(s) with location of well(s) and irrigated acres by crop

7. I grew sod for a partial crop year and then replanted sod before crop year-end. How should the total irrigation allowance be calculated?

Answer: When an Annual Crop is not grown for the entire crop year, it's necessary for the grower to prorate the irrigation allowance for that crop.

Example:
100 acres of Sod is grown for 6 months (August – January) and then the same acreage is replanted in May of the same crop year.

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	**# OF CROPS**	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	**# OF CROPS**	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	**# OF CROPS**	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in?** ***(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Camarillo (Zone 2)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Sod
4. **How many acres were irrigated per crop?**
   Example Answer: Sod @ 100 acres
5. **How many months of the crop year was the Annual Crop grown?**
   Example Answer: 6 months (August – January) + 3 months (May – July) = 9 months
6. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Sod = 3.6 AF/A
7. **Calculate your Total Irrigation Allowance.** ***[Irrigation allowance value multiplied by acres irrigated multiplied by irrigated months (for Annual Crops ONLY).]***
   Example Answer: Sod = 3.6 AF/A x 100 A x 9/12 months (prorated) = 270 AF
8. **Total Irrigation Allowance = 270 AF**

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #7

What is your Eto Zone (see map)? Camarillo (Zone 2) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
##N##W##X##	75.500	+	50.125	=	125.625
##N##W##X##	75.250	+	50.200	=	125.45
		+		=	
		+		=	
		+		=	
Total Volume from Wells				=	251.075 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Purveyor				=	0 ②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Other Sources				=	0 ③
WATER APPLIED equals the sum of the total volume ③ +② +①				=	251.075 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
Total Seasonal Crop Irrigation Allowance						=	0 ⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
Sod	100	x	3.6	x	9	/	12	=	270
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
Total Annual Crop Irrigation Allowance =									270 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance ⑤ 0

\+

Total Annual Crop Irrigation Allowance ⑥ 270

=

Total Irrigation Allowance ⑦ 270

Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{④\ 251.075}{⑦\ 270} = 0.930$$

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map(s) with location of well(s) and irrigated acres

8. I intercrop trees and vegetables throughout the crop year. How should the total irrigation allowance be calculated?

Answer: You will use the irrigation allowances for both the tree crop and the vegetable crop. You will use the total acreage of the tree crop plus the estimated acreage for the vegetable crop.

Example:
100 acres of Citrus > 70% Ground Shading trees are intercropped with approximately 20 acres of Misc. Vegetable – Spring crop in the same crop year.

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in? *(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Oxnard (Zone 1)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Citrus > 70% Ground Shading & Misc. Vegetable - Spring
4. **How many acres were irrigated per crop?**
   Example Answer: Citrus > 70% Ground Shading @ 100 acres
   Misc. Vegetable – Spring @ 20 acres
5. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Citrus > 70% Ground Shading = 2.7 AF/A
   Misc. Vegetable – Spring = 1.3 AF/A
6. **Calculate your Total Irrigation Allowance. *(Irrigation allowance value multiplied by acres irrigated.)***
   Example Answer: Citrus > 70% Ground Shading = 2.7 AF/A x 100 A = 270 AF
   Misc. Vegetable – Spring = 1.3 AF/A x 20 A = 26 AF
7. **Add the two total crop irrigation allowances together.**
   Example Answer: 270 AF + 26 AF = 296 AF
8. **Total Irrigation Allowance = 296 AF**

Case Example #8

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Reset

What is your Eto Zone (see map)? Oxnard (Zone 1) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet				
	Aug - Dec		Jan - Jul		Yearly Total
##N##W##B##	100.645	+	96.725	=	197.37
		+		=	
		+		=	
		+		=	
		+		=	
			Total Volume from Wells	=	197.37 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet				
	Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
			Total Volume from Purveyor	=	②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet				
	Aug - Dec		Jan - Jul		Yearly Total
##N##W##B##	49.555	+	45.444	=	94.999
		+		=	
			Total Volume from Other Sources	=	94.999 ③

WATER APPLIED equals the sum of the total volume ③ +② +① = 292.369 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
Misc. Vegetable - Spring	20.00	x	1.3	x	100 %	=	26
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
				Total Seasonal Crop Irrigation Allowance		=	26 ⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
Citrus > 70% Ground Shading	100.00	x	2.7	x	12	/	12	=	270
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
					Total Annual Crop Irrigation Allowance =				270 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance 26 ⑤

\+

Total Annual Crop Irrigation Allowance 270 ⑥

=

Total Irrigation Allowance 296 ⑦

Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{292.369\ (④)}{296\ (⑦)} = 0.99$$

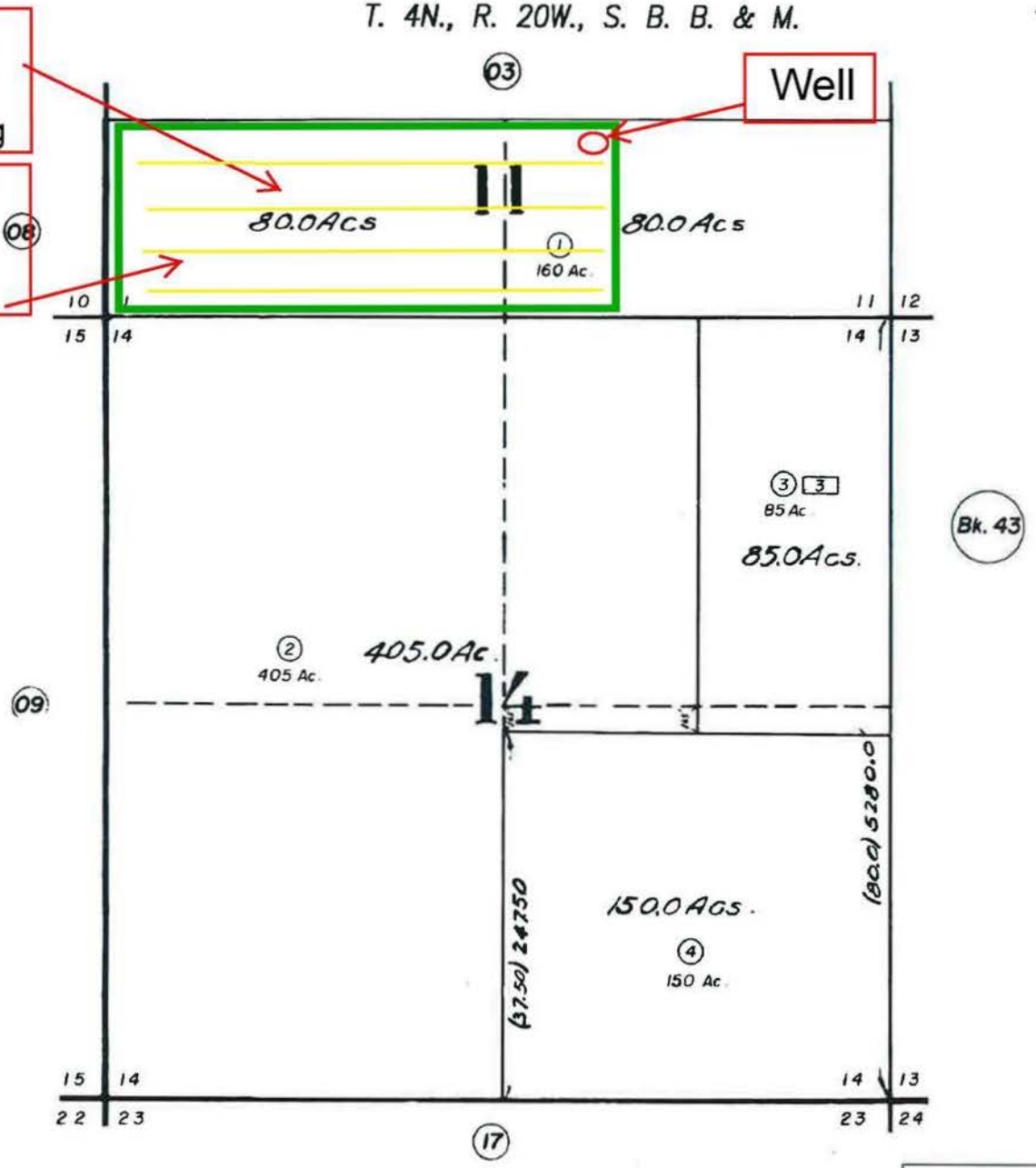
Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map with location of well(s) and irrigated acres by crop

Case Example 8

100 Acres
Citrus > 70%
Ground Shading

20 Acres Misc.
Vegetable -
Spring



UNINCORPORATED ARE
Ventura County Assessor's

Assessor's Block Numbers Shown in Ellip
Assessor's Parcel Numbers Shown in Cir
Assessor's Mineral Numbers Shown in Squ

DRAWN	REVISED 1-
REDRAWN	CREATED
INKED PLOTTED	EFFECTIVE
PREVIOUS Bk., Portion Pg.	
Compiled By Ventura County Assessor's	

NOTE: ASSESSOR PARCELS SHOWN ON THIS PAGE DO NOT NECESSARILY CONSTITUTE LEGAL LOTS. CHECK WITH COUNTY SURVEYOR'S OFFICE OR PLANNING DIVISION TO VERIFY.

9. I'm growing three seasonal crops, and one spans into the next crop year. How should the total irrigation allowance be calculated?

Answer: When a Seasonal Crop's harvest period spans the crop year, it's necessary for the grower to prorate the irrigation allowance for that crop.

Example: A grower planted 50 acres of Strawberries – Summer in August and the crop was harvested at the end of December, then 50 acres of Celery-Fall were planted in January and harvested in May, then 50 acres of Strawberries-Summer were planted in June and were in the ground through July (and continue after July).
Note: Crop Year: August 1 – July 31

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in?** ***(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Oxnard (Zone 1)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Strawberries – Summer
   Celery - Spring
4. **How many acres were irrigated per crop?**
   Example Answer: Strawberries – Summer @ 50 acres
   Celery- Fall @ 50 acres
   Strawberries – Summer @ 50 acres
5. **How much of the Seasonal Crop was grown during this crop year (% complete)?**
   Example Answer: Strawberries – Summer (100%)
   Celery – Fall (100%)
   Strawberries – Summer (29%)

6. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Strawberries – Summer = 1.4 AF/A
   Celery-Spring = 1.6 AF/A
7. **Calculate your Total Irrigation Allowance.** ***[Irrigation allowance value multiplied by acres irrigated multiplied by percentage complete in current crop year (for Seasonal Crops ONLY).]***
   Example Answer: Strawberries – Summer = 1.4 AF/A x 50 A = 70 AF
   Celery-Spring = 1.6 AF/A X 50 A = 80 AF
   Strawberries – Summer = 1.4 AF/A x 50 A x 29 % (prorated) = 20.3 AF
8. **Add the three total crop irrigation allowances together.**
   Example Answer: 70 AF + 80 AF + 20.3 AF = 170.3 AF
9. **Total Irrigation Allowance = 170.3 AF**

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #9

What is your Eto Zone (see map)? Oxnard (Zone 1) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
02n22w24a02	90.000	+	70.000	=	160.000
		+		=	
		+		=	
		+		=	
		+		=	
Total Volume from Wells				=	160.000 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Purveyor				=	0 ②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Other Sources				=	0 ③
WATER APPLIED equals the sum of the total volume ③ +② +①				=	160 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
Summer Strawberries Aug-Dec 2014	50	x	1.4	x	100 %	=	70
Spring Celery Jan-May 2015	50	x	1.6	x	100 %	=	80
Summer Strawberries June-July 2015	50	x	1.4	x	29 %	=	20.3
		x		x	%	=	
Total Seasonal Crop Irrigation Allowance						=	170.3 ⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
		x		x		/	12	=	
Total Annual Crop Irrigation Allowance =									0 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance 170.3

\+

Total Annual Crop Irrigation Allowance 0

=

Total Irrigation Allowance 170.3 ⑦

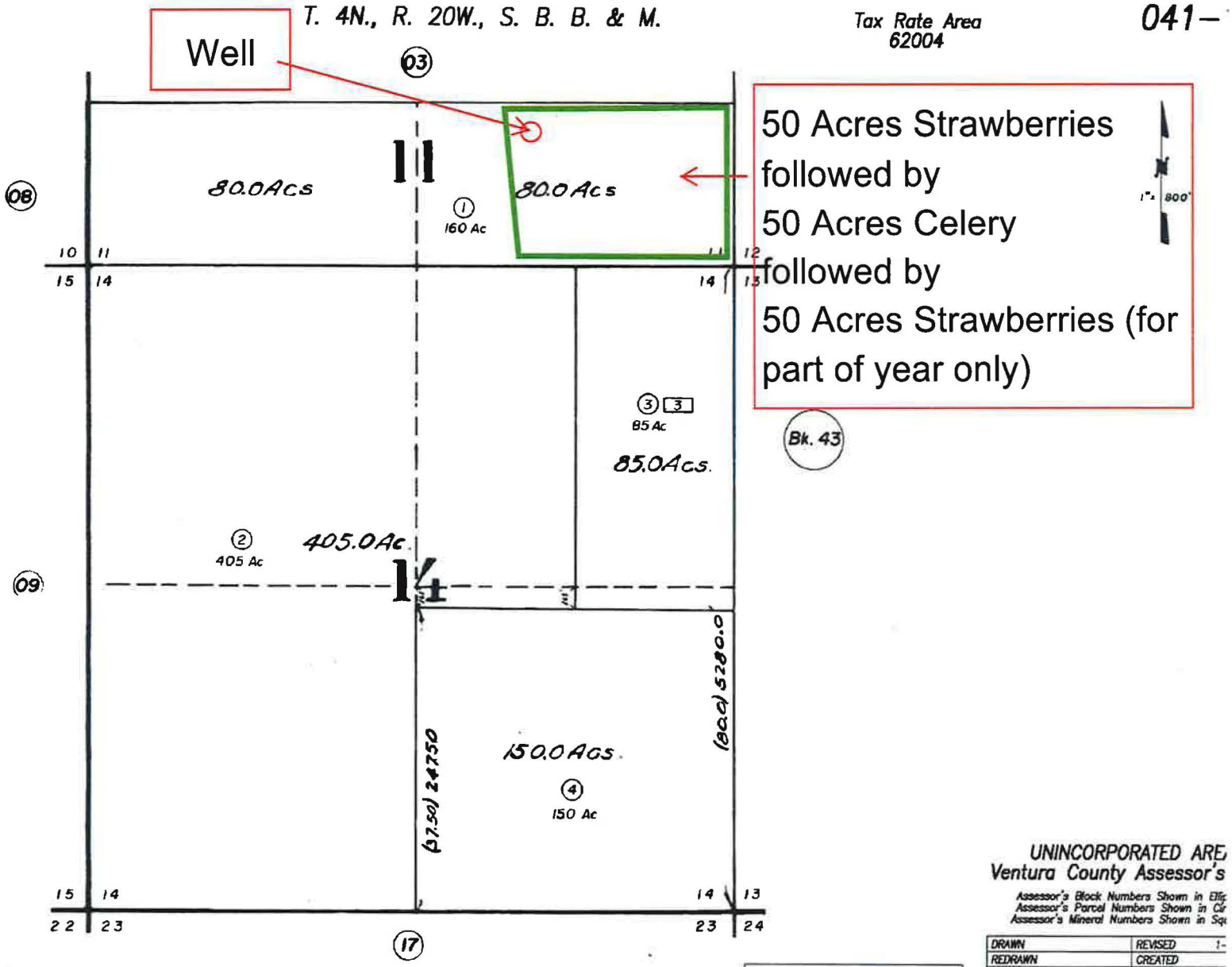
Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{160}{170.3} = 0.940$$

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map with location of well(s) and irrigated acres by crop

Case Example 9



UNINCORPORATED ARE
Ventura County Assessor's

Assessor's Block Numbers Shown in Ell
Assessor's Parcel Numbers Shown in Cir
Assessor's Mineral Numbers Shown in Sq

DRAWN	REVISED
REDRAWN	CREATED
INKED PLOTTED	EFFECTIVE
PREVIOUS Bk., Portion Pg.	
Compiled By Ventura County Assessor's	

NOTE: ASSESSOR PARCELS SHOWN ON THIS PAGE DO NOT NECESSARILY CONSTITUTE LEGAL LOTS. CHECK WITH COUNTY SURVEYOR'S OFFICE OR PLANNING DIVISION TO VERIFY.

10. I'm growing avocados of varying ages and canopy cover, and in March I planted an additional 20 acres of new trees. How should the total irrigation allowance be calculated?

Answer: When a permanent crop contains various tree ages and canopy cover, and new crops are being planted, it's necessary to determine the general acres of each crop. For the partial year crop, its water should be prorated for the year.

Example: A grower has 25 acres of Avocado > 70% Ground Shading, 35 acres of Avocado 20-70% Ground Shading, 15 acres of Avocado < 20% Ground Shading, and 20 acres of Avocado < 20% that were planted in March.
Note: Crop Year: August 1 – July 31

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	**# OF CROPS**	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	**# OF CROPS**	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	**# OF CROPS**	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in?** ***(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Santa Paula (Zone 3)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Avocado > 70% Ground Shading
   Avocado 20-70% Ground Shading
   Avocado < 20% Ground Shading
4. **How many acres were irrigated per crop and for how many months if not all year?**
   Example Answer: Avocado > 70% Ground Shading @ 25 acres
   Avocado 20-70% Ground Shading @ 35 acres
   Avocado < 20% Ground Shading @ 15 acres
   Avocado < 20% Ground Shading (5/12 months) @ 20 acres

5. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Avocado > 70% Ground Shading = 3.8 AF/A
   Avocado 20-70% Ground Shading = 2.8 AF/A
   Avocado < 20% Ground Shading = 1.9 AF/A
6. **Calculate your Total Irrigation Allowance.** ***[Irrigation allowance value multiplied by acres irrigated multiplied by number months grown in current crop year (for Annual Crops ONLY).]***
   Example Answer: Avocado > 70% Ground Shading = 3.8 AF/A X 25 A = 95 AF
   Avocado 20-70% Ground Shading = 2.8 AF/A X 35 A = 98 AF
   Avocado < 20% Ground Shading = 1.9 AF/A X 15 A = 28.5 AF
   Avocado < 20% Ground Shading (5/12 months) = 1.9 AF/A X 20 A X 5/12 (prorated) = 15.8 AF
7. **Add the four total crop irrigation allowances together.**
   Example Answer: 95 AF + 98 AF + 28.5 AF + 15.8 AF = 237.3 AF
8. **Total Irrigation Allowance = 237.3 AF**

Case Example #10

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

What is your Eto Zone (see map)? Santa Paula (Zone 3) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
##N##W##X##	75	+	75	=	150
##N##W##X##	20	+	30	=	50
		+		=	
		+		=	
		+		=	
Total Volume from Wells				=	200 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Purveyor				=	0 ②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet: Aug - Dec		Jan - Jul		Yearly Total
##N##W##X##	10	+	10	=	20
		+		=	
Total Volume from Other Sources				=	20 ③

WATER APPLIED equals the sum of the total volume ③ +② +① = 220 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
Total Seasonal Crop Irrigation Allowance						=	0 ⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
Avocado > 70% Ground Shading	25	x	3.8	x	12	/	12	=	95
Avocado 20 - 70% Ground Shading	35	x	2.8	x	12	/	12	=	98
Avocado < 20% Ground Shading	15	x	1.9	x	12	/	12	=	28.5
Avocado < 20% Ground Shading	20	x	1.9	x	5	/	12	=	15.83
Total Annual Crop Irrigation Allowance =									237.33 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance ⑤ 0

\+

Total Annual Crop Irrigation Allowance ⑥ 237.33

=

Total Irrigation Allowance ⑦ 237.33

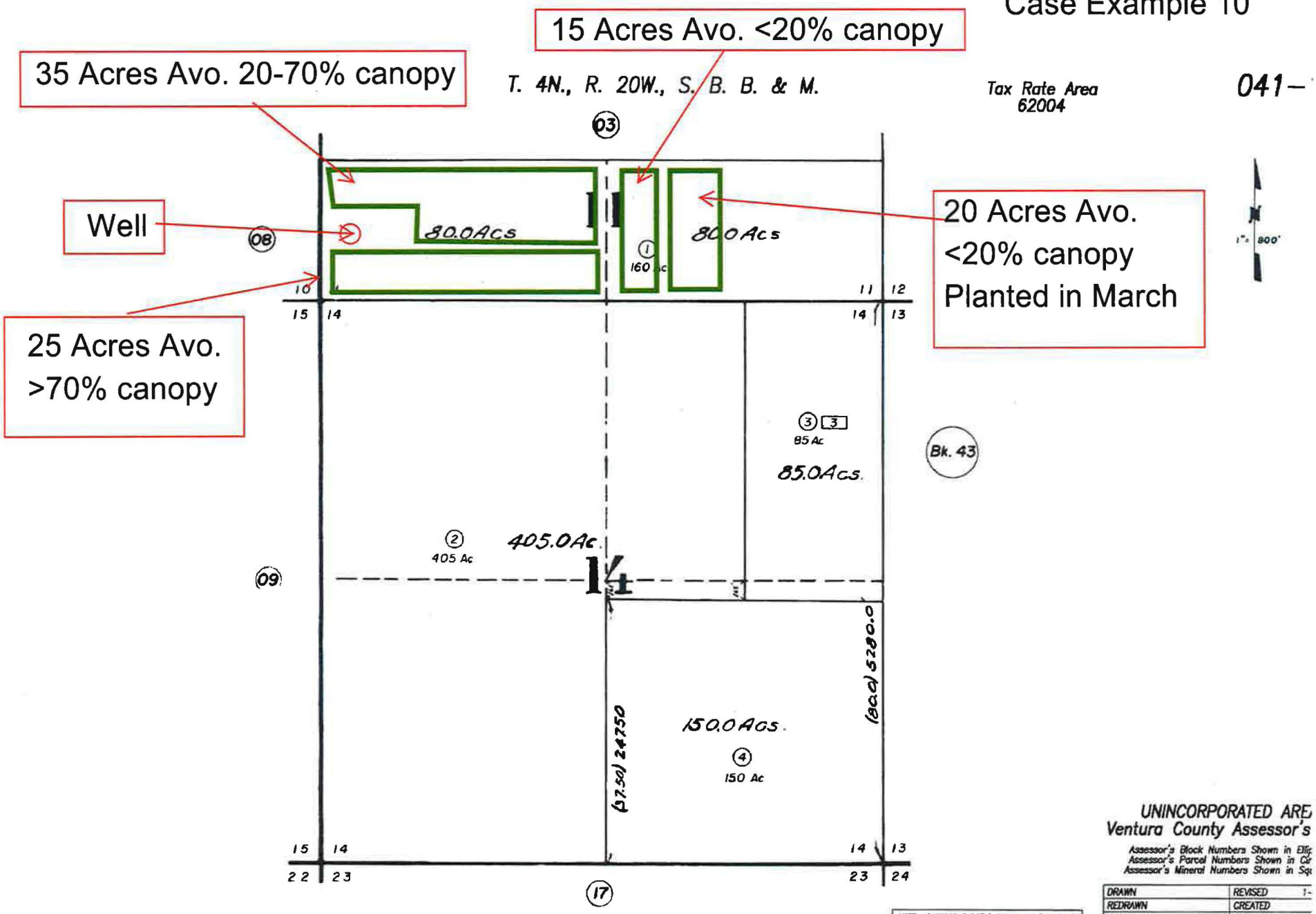
Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

Irrigation Allowance Index = ④ 220 / ⑦ 237.33 = 0.930

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map with location of well(s) and irrigated acres by crop

Case Example 10



11. I picked up the lease on a 100 acre parcel starting August 1 and it has 60 acres of lemons and 40 acres of raspberries, but the lemons were not profitable due to disease and we removed them after 9 months of the year and then replaced that area with 60 acres of raspberries for the last 2 months of the crop year. How should the total irrigation allowance be calculated?

Answer: When an annual crop isn't grown the full year, its irrigation allowance needs to be prorated.

Example: A grower has 60 acres of lemons (Citrus > 70% Ground Shading), but that crop is removed after 9 months of year and replaced with Raspberries – Tunnel during the last 2 months of the year. The grower has a 40 acre block of Raspberries – Tunnel grown the full year. *Note: Crop Year: August 1 – July 31*

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*

[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*

[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*

[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

***Adopted by FCGMA Board on April 11, 2014**

rev_11/14/2014

1. **What zone are you in?** ***(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Santa Paula (Zone 3)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Lemons (Citrus > 70% Ground Shading)
   Raspberries - Tunnel
4. **How many acres were irrigated per crop and for how many months if not all year?**
   Example Answer: Citrus >70% Ground Shading (9/12 months) @ 60 acres
   Raspberries – Tunnel (2/12 months) @ 60 acres
   Raspberries – Tunnel @ 40 acres
5. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Citrus > 70% Ground Shading = 3.3 AF/A
   Raspberries – Tunnel = 4.0 AF/A
6. **Calculate your Total Irrigation Allowance.** ***[Irrigation allowance value multiplied by acres irrigated multiplied by number months grown in current crop year (for Annual Crops ONLY).]***
   Example Answer: Citrus >70% Ground Shading (9/12 months) = 3.3 AF/A X 60 A X 9/12 (prorated) = 148.5 AF
   Raspberries – Tunnel (2/12 months) = 4.0 AF/A X 60 A X 2/12 (prorated) = 40 AF
   Raspberries – Tunnel = 4.0 AF/A X 40 A = 160 AF
7. **Add the three total crop irrigation allowances together.**
   Example Answer: 148.5 AF + 40 AF + 160 AF = 348.5 AF
8. **Total Irrigation Allowance = 348.5 AF**

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #11

Reset

What is your Eto Zone (see map)? Santa Paula (Zone 3) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet				
	Aug - Dec		Jan - Jul		Yearly Total
##N##W##C##	158.500	+	80.000	=	238.5
		+		=	
		+		=	
		+		=	
		+		=	
Total Volume from Wells				=	238.5 ①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet				
	Aug - Dec		Jan - Jul		Yearly Total
UWCD	50.000	+	50.000	=	100
		+		=	
Total Volume from Purveyor				=	100 ②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet				
	Aug - Dec		Jan - Jul		Yearly Total
		+		=	
		+		=	
Total Volume from Other Sources				=	③

WATER APPLIED equals the sum of the total volume ③ +② +① = 338.5 ④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
		x		x	%	=	
Total Seasonal Crop Irrigation Allowance						=	⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type
Citrus > 70% Ground Shading	60.00	x	3.3	x	9	/	12	=	148.5
Raspberries - Tunnel	60.00	x	4.0	x	2	/	12	=	40
Raspberries - Tunnel	40.00	x	4.0	x	12	/	12	=	160
		x		x		/	12	=	
Total Annual Crop Irrigation Allowance =									348.5 ⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance ⑤

\+

Total Annual Crop Irrigation Allowance 348.5 ⑥

=

Total Irrigation Allowance 348.5 ⑦

Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

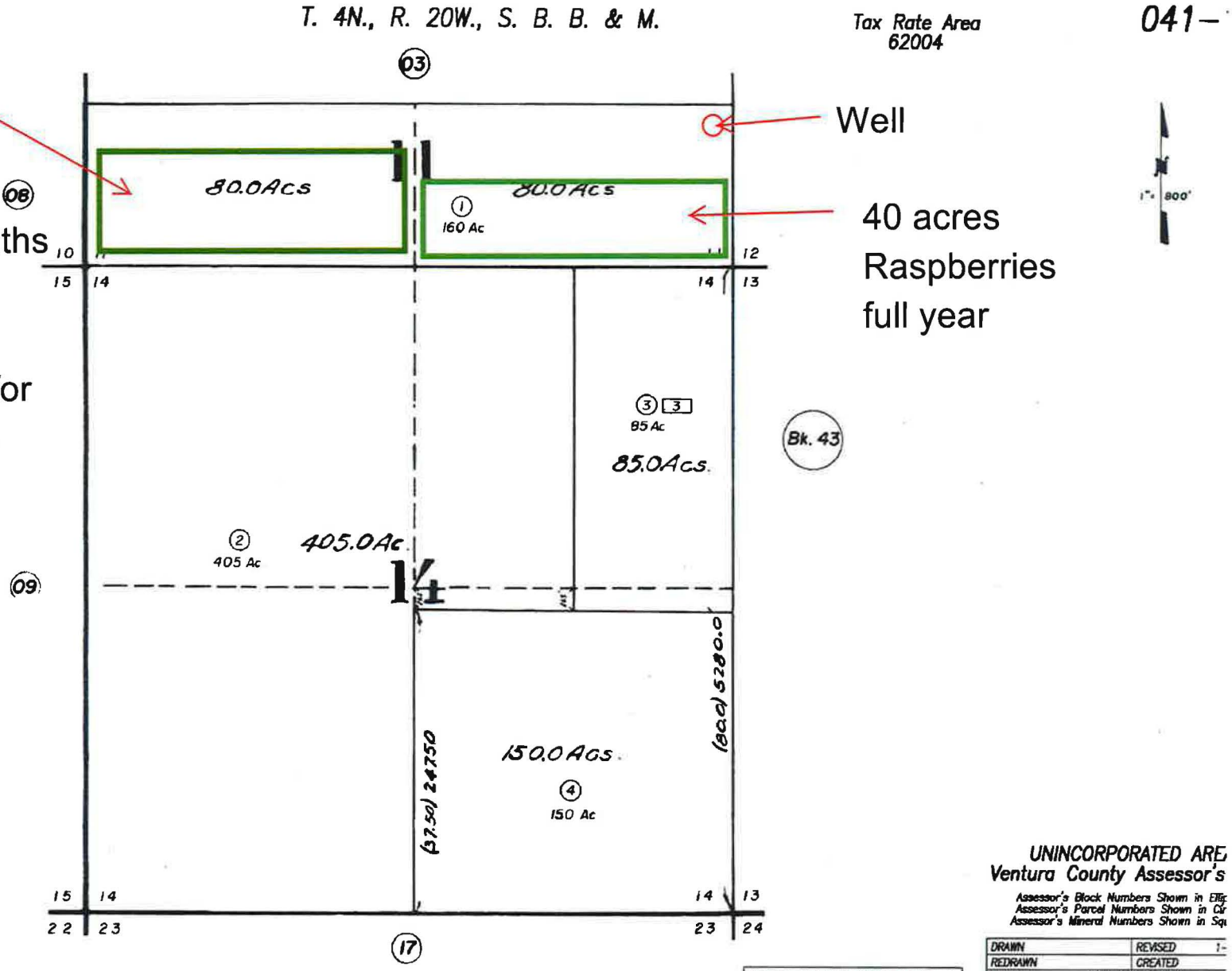
Irrigation Allowance Index = 338.5 ④ / 348.5 ⑦ = 0.97

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map with location of well(s) and irrigated acres by crop

Case Example 11

60 acres
citrus > 70%
canopy
for 9/12 months
followed by
60 acres
raspberries for
2/12 months



12. I'm growing 100 acres of main season strawberries in Oxnard during a dry year. How should the total irrigation allowance be calculated?

Answer: Multiply the irrigation allowance by the number of acres.

Example: A grower grows 100 acres of Strawberries – Main Season.
Note: Crop Year: August 1 – July 31

Crop Year Irrigation Allowance (Reduced 25%)*

Starting August 1, 2014

Acre-Feet/Acre

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
SEASONAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Celery - Fall[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Celery - Spring[1]	1	1.6	1.5	1.4	1.8	1.7	1.5	1.9	1.8	1.6
Lima Beans	1	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	0.9
Misc. Vegetable Greenhouse - Fall[1]	1	0.9	0.9	0.8	1.0	1.0	0.9	1.1	1.0	1.0
Misc. Vegetable Greenhouse - Spring[1]	1	1.1	1.0	0.9	1.2	1.1	1.1	1.3	1.2	1.2
Misc. Vegetable Greenhouse - Summer[1]	1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
Misc. Vegetable - Fall[1]	1	1.1	1.0	1.0	1.2	1.1	1.0	1.3	1.2	1.1
Misc. Vegetable - Spring[1]	1	1.3	1.2	1.1	1.4	1.3	1.2	1.6	1.5	1.4
Misc. Vegetable - Summer[1]	1	1.5	1.5	1.5	1.7	1.7	1.6	1.9	1.8	1.8
Strawberries - Main Season - October Planting	1	2.5	2.3	2.2	2.7	2.6	2.4	2.9	2.8	2.6
Strawberries - Summer - July Planting	1	1.4	1.4	1.3	1.6	1.5	1.4	1.7	1.6	1.5
Tomatoes - Peppers	1	1.7	1.7	1.6	1.9	1.9	1.8	2.1	2.1	2.0

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
YEAR-ROUND CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Year-Round Vegetables - Not Including Celery[2]	>2	3.1	2.9	2.8	3.5	3.3	3.1	3.8	3.6	3.4
Year-Round Vegetables - Including Celery[4]	>2	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8

		OXNARD (ZONE 1)			CAMARILLO (ZONE 2)			SANTA PAULA (ZONE 3)		
		DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]	DRY[3]	TYPICAL[3]	WET[3]
ANNUAL CROPS	# OF CROPS	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*	*Total AF/A*
Avocado < 20% Ground Shading	1	1.5	1.4	1.3	1.7	1.6	1.5	1.9	1.7	1.6
Avocado 20 - 70% Ground Shading	1	2.2	2.0	1.9	2.5	2.3	2.1	2.8	2.5	2.3
Avocado > 70% Ground Shading	1	3.1	2.7	2.6	3.5	3.1	3.0	3.8	3.4	3.2
Blueberries < 20% Ground Shading	1	1.4	1.4	1.3	1.8	1.5	1.5	1.9	1.8	1.7
Blueberries 20 - 70% Ground Shading	1	2.1	2.0	1.9	2.3	2.2	2.2	2.5	2.4	2.4
Blueberries > 70% Ground Shading	1	2.9	2.7	2.6	3.3	3.1	3.0	3.6	3.4	3.2
Citrus < 20% Ground Shading	1	1.6	1.4	1.3	1.8	1.6	1.5	1.9	1.8	1.6
Citrus 20 - 70% Ground Shading	1	2.0	1.9	1.8	2.3	2.2	2.0	2.5	2.4	2.2
Citrus > 70% Ground Shading	1	2.7	2.6	2.4	3.0	2.9	2.7	3.3	3.2	2.9
Nursery - Non-Greenhouse	1	3.4	3.2	3.1	3.8	3.6	3.5	4.0	4.0	3.8
Nursery - Greenhouse	1	3.5	3.4	3.3	3.9	3.8	3.7	4.0	4.0	4.0
Raspberries - Tunnel	1	3.4	3.2	3.1	3.8	3.7	3.6	4.0	4.0	3.9
Sod	1	3.2	3.0	2.9	3.6	3.4	3.3	3.9	3.7	3.6

[1] *If you are growing Fall, Spring and Summer Misc. Vegetables (Greenhouse included) during one Crop Year, please use the Year-Round Vegetables - Not Including Celery category. Seasons are as follows: Fall (September - January), Spring (February - May) and Summer (June - August).*
[2] *Based on Spring Vegetable + Late Summer Vegetable + part Late Fall Vegetable.*
[3] *Year types are based on precipitation for the entire crop year: Dry < 11" Precipitation, Typical = 11" - 17" Precipitation and Wet > 17" Precipitation.*
[4] *Based on 20% or more of the year-round vegetable crop acreage being celery.*

Note: Section 4.6 of the FCGMA Ordinance Code states that notwithstanding an operator's allocation under Chapter 5.0 of the Ordinance Code, groundwater use within the Las Posas Basin Eastern Management Sub Area and Western Management Sub Area in excess of 4.0 acre feet per acre shall be subject to extraction surcharges. This affects part of Zone 2, and all of Zone 3.

*Adopted by FCGMA Board on April 11, 2014

rev_11/14/2014

1. **What zone are you in?** ***(If you are unsure, please refer to the ETo Zone Map.)***
   Example Answer: Oxnard (Zone 1)
2. **What is the year type?**
   Example Answer: Dry
3. **What crop(s) did you grow?**
   Example Answer: Strawberries – Main Season
4. **How many acres were irrigated per crop?**
   Example Answer: Strawberries – Main Season @ 100 acres
5. **Find your irrigation allowance for each crop by using the table above.**
   Example Answer: Strawberries – Main Season = 2.5 AF/A
8. **Calculate your Total Irrigation Allowance.** ***[Irrigation allowance value multiplied by acres irrigated multiplied by percentage complete in current crop year (for Seasonal Crops ONLY).]***
   Example Answer: Strawberries – Main Season = 2.5 AF/A X 100 A = 250 AF
6. **Total Irrigation Allowance = 250 AF**

Annual Application for Efficiency Allocation

[Irrigation Allowance Index Method]

(Effective August 1, 2014)

Case Example #12

What is your Eto Zone (see map)? Oxnard (Zone 1) Year Type: Dry

Please complete the following tables for ALL water applied to irrigate your crops:

Groundwater Wells (List ALL State Well #s)	Extractions in Acre-feet Aug - Dec		Jan - Jul		Yearly Total	
##N##W##X##	100	+	125	=	225	
		+		=		
		+		=		
		+		=		
		+		=		
				Total Volume from Wells =	225	①

Water Purveyor (UWCD, PVCWD, etc.)	Deliveries in Acre-feet Aug - Dec		Jan - Jul		Yearly Total	
		+		=		
		+		=		
				Total Volume from Purveyor =	0	②

Other Source: (Example: Neighbor's well)	Volume in Acre-feet Aug - Dec		Jan - Jul		Yearly Total	
		+		=		
		+		=		
				Total Volume from Other Sources =	0	③
WATER APPLIED equals the sum of the total volume				③ +② +① =	225	④

WATER APPLIED

Please complete tables below for the irrigated acreage, crop categories & irrigation allowance:

Seasonal Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		% Complete for Crop Year		Irrigation Allowance per crop type	
Strawberries - Main Season	100	x	2.5	x	100 %	=	250	
		x		x	%	=		
		x		x	%	=		
		x		x	%	=		
					Total Seasonal Crop Irrigation Allowance	=	250	⑤

Annual Crops (include specific crop category)	# of Irrigated Acres		Irrigation Allowance per Acre*		# of Irrigated Months		Months per Year		Irrigation Allowance per crop type	
		x		x		/	12	=		
		x		x		/	12	=		
		x		x		/	12	=		
		x		x		/	12	=		
							Total Annual Crop Irrigation Allowance =		0	⑥

***Irrigation Allowance/acre from FCGMA Irrigation Allowance Index (attached)**

Total Seasonal Crop Irrigation Allowance 250 ⑤

\+

Total Annual Crop Irrigation Allowance 0 ⑥

=

Total Irrigation Allowance 250 ⑦

Irrigation Allowance Index = WATER APPLIED ④ divided by TOTAL IRRIGATION ALLOWANCE ⑦:

$$\textbf{Irrigation Allowance Index} = \frac{④\ 225}{⑦\ 250} = 0.900$$

Application for Efficiency Allocation Checklist:

- ☐ Completed/Signed Application (pages 1-2)
- ☐ Map with location of well(s) and irrigated acres by crop

Case Example 12