

Resolution No. 2011-04
of the
Fox Canyon Groundwater Management Agency

**A RESOLUTION SPECIFYING THE REQUIREMENTS FOR CALCULATING
THE IRRIGATION ALLOWANCE INDEX UNDER THE IRRIGATION EFFICIENCY ALLOCATION
PROGRAM**

WHEREAS, The Fox Canyon Groundwater Management Agency Ordinance Code allows an operator to apply for an Efficiency Allocation based on a showing that water used for agriculturally developed land is at least 80 percent efficient; and

WHEREAS, The Fox Canyon Groundwater Management Agency determined that its Efficiency Allocation under the Irrigation Efficiency Program was in need of an independent technical review; and

WHEREAS, Following an independent technical review of the Irrigation Efficiency Program, the Fox Canyon Groundwater Management Agency determined a more appropriate method to ensure efficient irrigation practices is to replace the Irrigation Efficiency Program computations used with the new Irrigation Allowance Index computations; and

WHEREAS, Ordinance No. 8.4 amended the Agency Ordinance Code to provide that the method for allocating groundwater based on an efficiency allocation is now the Irrigation Allowance Index; and

WHEREAS, Pursuant to the Agency Ordinance Code, the Irrigation Allowance Index will be calculated using the procedures set forth in a resolution adopted by the Agency.

NOW, THEREFORE, IT IS HEREBY RESOLVED AND ORDERED THAT:

SECTION 1. Irrigation Allocation Index Calculation

The irrigation allowance index is computed as:

$$\text{Irrigation Allowance Index} = \frac{\text{Actual Applied Water}}{\text{Annual Irrigation Allowance}}$$

Where, Actual Applied Water = Flow meter totalized actual volume of water applied from all water sources.

Annual Irrigation Allowance = Volume of annual irrigation allowance for a specific evapotranspiration zone, specific year type, and appropriate crop type(s) using average actual vegetative acres.

An annual irrigation allowance has been developed by the Agency for 24 crop categories divided by evapotranspiration zone (coastal, midland, and inland). The evapotranspiration zones are shown on Figure 1. The annual irrigation allowance for each zone has also been divided by "year type" as defined by the annual precipitation (annualized value provided by the Agency for the irrigation allowance index). Each year the precipitation values will be categorized by the Agency

as Typical (11" – 17" of precipitation), Dry (less than 11" of precipitation), or Wet (more than 17" of precipitation) using rainfall data from a network of precipitation recording stations.

Application forms required to compute the irrigation allowance index will require, in addition to the actual applied water, that the Planted Acreage and Canopy Cover is reported. Planted acreage should not include areas with buildings, roads or areas not used for growing crops. Aerial photos (available online) should be used to confirm irrigated acreage and canopy cover and be submitted with the application. The Agency website will include websites that may be used for this and will include the application forms.

SECTION 2. Effective Date

This Resolution shall become effective on January 1, 2013 and will remain in force until changed by the Agency's Board of Directors or by a change to the Agency's Ordinance Code.

On a motion by Director Craven and seconded by Director Zaragoza, the foregoing Resolution was duly passed and adopted by the Board of Directors at a regularly scheduled meeting of the Board held on this 26th day of October 2011 in Ventura, California.

By: 
Lynn E. Maulhardt, Chair, Board of Directors
Fox Canyon Groundwater Management Agency

ATTEST: I hereby certify that the above is a true and correct copy of Amended Resolution No. 2011-04.

By: 
Miranda Nobriga, Clerk of the Board

Attachment: Figure 1: Evapotranspiration Zone Map

Evapotranspiration Zone Map

