

FORT MOJAVE INDIAN TRIBE CALIFORNIA RESERVATION  
INADVERTENT OVERRUN AND PAYBACK POLICY (IOPP)  
2010 PAYBACK PLAN  
(Revised June 2, 2010)

**1. Cause of Inadvertent Overrun**

In 2006 new water metering instrumentation was installed to increase the accuracy of the Fort Mojave Indian Tribe, California Reservation, Colorado River diversions. The new instrumentation indicated that the Tribe was diverting more water than it had anticipated. Since this discovery the Tribe has worked to lower its diversion of Colorado River water to within its decreed amount of 16,720 acre-feet (af) or approved water order. The Tribe overran its California Colorado River approved water order in 2007 and 2008 in the amount of 4,603 and 304 af respectively.

**2. IOPP Conservation Measure that will be Implemented**

The Tribe's Payback Plan for Calendar Year 2010 defines a six month fallowing program that will conserve 4,070 af of Colorado River water. The Tribe would have irrigated these lands in the absence of this payback obligation. The conserved water will pay back the following obligations:

- 1,535 af - 2007 overrun due in 2009,
- 1,534 af - 2007 overrun due in 2010,
- 304 af - 2008 overrun due in 2010,
- 697 af – early payback of a portion of the 2007 overrun due in 2011.

**3. Location and Schedule of Fallowing with Amount of Water Conserved**

There are four users of the Tribe's California decreed water rights. The Tribe will be paying back its obligation by partial year fallowing within the lands operated by the Tribe's own farming operation, Avi Kwa'Ame Farms. Of the Tribe's total California entitlement of 16,720 af, Avi Kwa'Ame Farms is allocated 10,320 af. Avi Kwa'Ame Farms will reduce its diversion to 6,250 af, ensuring the conservation of 4,070 af of Colorado River water.

Avi Kwa'Ame Farm's previous four year (2006 through 2009) diversion records were analyzed to establish a historical water use baseline. For this analysis, Avi Kwa'Ame Farms actual diversion was reduced by the amount of overrun incurred by the Tribe's California Reservation. The diversion records indicate that the Tribe has historically diverted approximately 5.0 af per acre of irrigated land. The Tribe will fallow all of its irrigated acreage for a minimum of 6 months (see Table #2 for a detailed fallowing and projected water conservation calendar). The Tribe will fallow these lands during the summer months which require the greatest amount of water to sustain crops. Therefore, using the averaged annual diversion rate should result in a relatively conservative estimate of actual water conserved. The analysis indicated that the six

month following of the Tribe's California lands will result in 5,226 af of conservation, which will satisfy the 4,070 af of payback planned for 2010.

#### 4. Monitoring and Verifying IOPP Conservation Measure

The Reservation and all water diversion records are available for inspection at any time upon reasonable notice. Reclamation will perform satellite and field verification to ensure that the fields remain fallow during the period outlined.

All water diverted by Avi Kwa'Ame Farms is metered through a Bureau of Reclamation maintained gauge. Real time data is available on the Reclamation website at <http://www.usbr.gov/lc/region/g4000/riverdata/index.html> under *Additional Real Time Gauges > California 1*. The other water users are Harter Farms, Quail Hollow and the California Village. Approximately 90% of the water consumed by Harter Farms is metered through *California 2 North, South & West* Reclamation gauges. Harter Farms and Quail Hollow also receive water from wells which are reported in the *Other Ag* column on the Tribe's monthly water report to Reclamation. The usage in the California Village is reported in the *Municipal* column of the monthly water report.

Irrespective of the conservation measure implemented, the pumps will be turned off in the event that 2010 diversions reach 12,650 acre feet.

Table #1 SCHEDULE OF DIVERSIONS (af)

Month	Avi Kwa'Ame	Harter Farms	Quail Hollow	California Village	Total
January	499*	75	4	3	581
February	458*	205	6	2	671
March	485*	325	5	3	818
April	862*	621	10	3	1,496
May	662**	800	8	3	1,473
June	636	900	10	3	1,549
July	12	900	12	3	927
August	12	800	10	3	825
September	12	700	8	3	723
October	12	475	6	3	496
November	1,300	275	5	3	1,583
December	1,300	200	5	3	1,508
TOTALS	6,250	6,276	89	35	12,650

\* Actual measured diversion

\*\* Provisional measured diversion

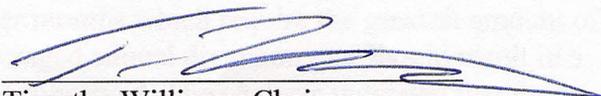
  
 Timothy Williams, Chairmen  
 Fort Mojave Tribal Council

Table #2 - 2010 Fallowing Schedule

Field Type	Fallowing Schedule	Fields Included	Acres	Projected Conservation (af)
Pasture	April 1 - November 1	13, 20, 21, 22, 23, 24, 25 & 26	678	1950
Small Grain	May 1 - November 1	17, 18, 19 & 29	242	603
Bermuda	June 15 - December 31	1, 2, 3, 4, 4B, 6, 6B, 7, 8, 9, 10, 11, 12, 14 & 16	996	2673

## Fort Mojave California Reservation 2010 IOPP Fallowing Plan

