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U.S. Bureau of Reclamation
September 2, 2009
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Yuma County Water Users' Association

ESTIMATE OF WATER DIVERSION REQUIREMENTS
 COLORADO RIVER
 (ACRE-FEET)
Calendar Year 2010

MONTH	IRRIGATION VALLEY DIVISION	* TOTAL YUMA PROJECT	** CITY OF YUMA	** COCOPAH INDIAN RESERVATION
JANUARY	21,000	123,000	2,300	250
FEBRUARY	24,000	115,000	2,200	300
MARCH	41,000	123,000	2,400	600
APRIL	47,000	119,000	2,400	900
MAY	42,000	123,000	2,800	900
JUNE	25,000	119,000	3,200	700
JULY	29,000	123,000	3,300	400
AUGUST	24,000	123,000	3,300	400
SEPTEMBER	29,000	119,000	2,900	800
OCTOBER	42,000	123,000	2,700	800
NOVEMBER	31,000	119,000	2,200	300
DECEMBER	21,000	123,000	2,300	300
C Y TOTAL	376,000	1,452,000	32,000	6,650

* Total Yuma Project includes hydro power requirements and is based on the assumption that river flows, including Mexican deliveries, allow for the delivery of 2,000 cfs for the total Yuma Project requirements, to include hydro power usage, in accordance with Article 15, All-American Canal Contract, Boulder Canyon Project.

** Includes only surface water diverted from Imperial Dam via the All American Canal.

The Yuma County Water Users' Association

Part 417 Consultation Questionnaire

The 43 Code of Federal Regulations Part 417 (Part 417) obligates the Secretary of the Interior to ensure releases of Colorado River water to each contractor will not exceed those reasonably required for beneficial use. Every year, contractors are asked to submit to the Bureau of Reclamation their annual diversion estimates, monthly diversion schedules, and water requirements for the following year. In addition, Reclamation is directed by Part 417 to consult with Colorado River water service contractors each year regarding water conservation measures, operating practices, and the beneficial use of Colorado River water.

For calendar year 2010, the Part 417 consultation is being supplemented through the collection of written information. This information, along with other relevant materials, is analyzed and the Regional Director's determination of the approved diversion amount communicated in writing to the contractor. Part 417 establishes procedures and under which the Yuma County Water Users' Association (Association) may request modification of the determination, or later appeal it to the Secretary of the Interior. Please review this Part 417 Consultation Questionnaire and reply to the listed topics.

Diversion Request: Provided in Table 1 is an historic review of the Association's demands for Colorado River water since calendar year 2006. Past water use is one factor that may be used in determining water requirements for the Association.

Table 1. Colorado River diversions for the Association

Year	Diversion (Acre-feet)
2009 projected ¹	355,649
2008	346,580
2007	347,911
2006	353,355
Average	350,874

Part 417 Factors: Part 417.3 prescribes a list of factors to be examined by Reclamation in approving the Association's annual water order. Reclamation consults annually with the Colorado River contractors on the Part 417.3 factors. In October 2008, Reclamation staff met with Association staff and discussed each factor. The Association's responses are noted on the Consultation Questionnaire. Reclamation requests an update of this information and any such additional written information the Association desires to submit to support its request for 2010 diversions. Please note that the implementation of water conservation measures may also effect water requirements.

¹ 2009 projected diversion amounts as of July 21, 2009.

Water Conservation Planning: The Association annually implements measures to improve the management of its water supply and to meet the water needs of its customers. Many of those measures are included in the Association's water conservation plan. During 2009, several water management activities were implemented and noted in the Consultation Questionnaire. Which activities has the Association implemented in 2009 that could impact its water order for 2010? Some activities do not impact the water order, but are necessary to update the Association's water conservation plan. Those activities may be noted along with each Part 417 factor's reply on the Consultation Questionnaire.

Please respond to each item in the Consultation Questionnaire. The Association may return this form to Reclamation, or provide the requested information in a format of its choice, provided that the format addresses each factor. This written consultation form, along with any other material considered to be relevant, will be used to determine the Association's approved diversion for calendar year 2010.

Part 417.3 Factors	2009 Reply	2010 Reply (Written)
Area to be Irrigated ²	Same	Same
Climatic Conditions ³	Same	Same
Location ⁴	Same	Same
Land Classification ⁵	Same	Same
Kinds of Crops Raised ⁶	More spring wheat	Same
Cropping Practices ⁷	Same	Same
Type of Irrigation System in Use ⁸	Same	Same
Condition of Water Carriage & Distribution Facilities/System Efficiency ⁹	More check structures rehab and automation. Construct more water measurement flumes at turnouts to large laterals.	More check structure rehab & automation, construct more water measurement structures
Record of Water Orders ¹⁰	Amend, on average 3-5 times a week	Amend Daily

² Has the Association added or reduced the number of turnouts or cultivated acres in its contract area?

³ List weather stations used, annual mean temperature and rainfall, and reference evapotranspiration (ET_o).

⁴ Have there been any changes in the location of Association facilities (e.g. canals, laterals, gates, etc...)?

⁵ Quantify crop acres moved between soil classifications and projected impact on water use.

⁶ List changes in crop types (e.g. more/less alfalfa than last year, etc...) and the projected impact on water use.

⁷ Identify projected changes to cropping practices (e.g. sprinkle germination, etc...) and the expected impact on water use.

⁸ Has there been a change in irrigation methods such as more/less drip acreage, level basin acreage, etc...?

⁹ What is the condition of the system? Amount of water delivered/sold to customers in acre-feet?

¹⁰ Does the Association amend daily water orders with Reclamation more than three times a month?

Part 417.3 Factors	2009 Reply	2010 Reply (Written)
Record of Rejections of Water Orders ¹¹	No change	No Change
General Operating Practices/Policies ¹²	Continuing the same and computer upgrades	Continuing the same and computer upgrades
Operating Efficiencies ¹³	+ 80%	+80%
Methods of Irrigation of the Water Users ¹⁴	Same	Same
Amount and Rate of Return Flow to the River ¹⁵	Same	Same
Municipal Water Requirements ¹⁶	Same	Same
Provisions of Users Water Delivery Contract ¹⁷	No change	No Change
Water Rates ¹⁸	\$86.00/acre (5 ac/ft)	\$86.00/acre (5 ac/ft)
Number of Ditch Riders ¹⁹	Same	Same
Water Conservation ²⁰	\$30,000 automation and flow measurement	\$30,000 automation and flow measurement
Other Relevant Factors ²¹	None	None

¹¹ Have water orders from farmers been rejected by the Association (e.g. for non-payment, etc...) that would impact its water order?

¹² Has there been any change in operating practices or policies? If so, attach the new policy.

¹³ Total water consumed divided by total diversion in percent.

¹⁴ Types/changes of irrigation management practices used (e.g. surge, cutback, etc...), and the amount of acres changed.

¹⁵ Amount (cfs) and average rate (ft/sec) of return flow to the river.

¹⁶ Amount of water going to non-agricultural uses (municipal, industrial, feedlots, other, etc...) in acre-feet.

¹⁷ Have there been any changes in the water service contract?

¹⁸ Have there been any changes in water rates? If so, submit the changed rates.

¹⁹ Number of ditch riders and areas/divisions each ditch rider works.

²⁰ How much money will be spent by the Association on water conservation for 2010?

²¹ Optional, please identify any other relevant factor/factors and explain why it would impact the Association's water order.

WATER CONSERVATION PLAN IMPLEMENTATION²²

2009 Activity

- | |
|--|
| 1. Continue SCADA implementation |
| 2. Continue remote control of canal gates by dispatcher 24/7 |
| 3. Replace leaking farm turnout gates |
| 4. Upgrade/replace check structure & turnout structures |
| 5. Construct more water measurement structures/devices |
| 6. Dispatcher/Ditchrider technical training |

OTHER²³



Signature

9-3-09
Date

²² Water conservation activities/measures/practices the Association implemented in 2009.

²³ Other relevant materials to submit (e.g. new water conservation plan, transfers, water price sheet, etc...).