

SUBMIT OPTION SUBMITTAL FORM BY:

1. EMAIL TO: COLORADORIVERBASINSTUDY@USBR.GOV

2. U.S. MAIL TO: BUREAU OF RECLAMATION, ATTENTION MS. PAM ADAMS, LC-2721, P.O. BOX 61470, BOULDER CITY, NV 89006-1470

3. FACSIMILE TO: 702-293-8418

Option Submittal Form

Contact Information (optional):

Keep my contact information private.

Contact Name: _____	Title: _____
Affiliation: _____	
Address: _____	
Telephone: _____	E-mail Address: _____

Date Option Submitted: 2/1/2012

Option Name:

Proposal to include water savings from the implementation of new product standards in baseline water use projections

Description of Option:

The Bureau of Reclamation should consider product standards that have been or are on track to be adopted when calculating projected baseline water demand for the region. Specifically, NRDC recommends that the Bureau include water savings that will result from implementation of the consensus agreements for clothes washers and dishwashers currently undergoing Department of Energy (DOE) rulemaking. The consensus agreements were negotiated by manufacturers and efficiency proponents in 2010 and a DOE final rule is expected this year (2012). Additionally, NRDC recommends that the Bureau include water savings that will result from the implementation of the California toilet standard in the baseline water demand projected for California.

The details for each standard that NRDC recommends be included in baseline water demand projections are included below:

Top-Loading Clothes Washer: 1.72MEF/8.0WF, effective 2015; and 2.0MEF/6.0WF, effective 2018

Front Loading Clothes Washer: 2.2MEF/4.5WF, effective 2015

Standard Dishwasher: 5.0 gallons/cycle, effective 2013

Compact Dishwasher: 3.5 gallons/cycle, effective 2013

Toilet (CA only): 1.28 gallons/flush, effective 2014

Location: Describe location(s) where option could be implemented and other areas that the option would affect, if applicable. Attach a map, if applicable.

The clothes washer and dishwasher standards would be included in baseline water demand projections throughout the basin. The toilet standard is only applicable to California.

Quantity and Timing: Roughly quantify the range of the potential amount of water that the option could provide over the next 50 years and in what timeframe that amount could be available. If option could be implemented in phases, include quantity estimates associated with each phase. If known, specify any important seasonal (e.g., more water could be available in winter) and/or frequency (e.g., more water could likely be available during above-average hydrologic years) considerations. If known, describe any key assumptions made in order to quantify the potential amount.

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The adoption and implementation of these standards will lead to significant savings in the basin. These savings should be incorporated into baseline projections so that the Bureau has a more accurate picture of future regional water demands.

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Additional Information

Technical Feasibility: Describe the maturity and feasibility of the concept/technology being proposed, and what research and/or technological development might first be needed.

The data needed to include the implementation of new product standards in baseline water demand projections is currently available through the applicable DOE rulemaking website.

Costs: Provide cost and funding information, if available, including capital, operations, maintenance, repair, replacement, and any other costs and sources of funds (e.g., public, private, or both public and private). Identify what is and is not included in the provided cost numbers and provide references used for cost justification. Methodologies for calculating unit costs (e.g., \$/acre-foot or \$/million gallons) vary widely; therefore, do not provide unit costs without also providing the assumed capital and annual costs for the option, and the methodology used to calculate unit costs.

Not applicable

Permitting: List the permits and/or approvals required and status of any permits and/or approvals received.

Not applicable

Legal / Public Policy Considerations: Describe legal/public policy considerations associated with the option. Describe any agreements necessary for implementation and any potential water rights issues, if known.

Not applicable

Implementation Risk / Uncertainty: Describe any aspects of the option that involves risk or uncertainty related to implementing the option.

The DOE rulemaking for clothes washers and dishwashers is underway with a final rule anticipated in 2012. California has already adopted the new toilet standard. There is very little risk or uncertainty in implementing this option.

Reliability: Describe the anticipated reliability of the option and any known risks to supply or demand, such as: drought risk, water contamination risk, risk of infrastructure failure, etc.

As stated above, the DOE rulemaking for clothes washers and dishwashers is underway with a final rule estimated for 2012. California has already adopted the new toilet standard. There is very little risk or uncertainty in implementing this option.

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Water Quality: Identify key water quality implications (salinity and other constituents) associated with the option in all of the locations the option may affect.

Not applicable

Energy Needs: Describe, and quantify if known, the energy needs associated with the option. Include any energy required to obtain, treat, and deliver the water to the defined location at the defined quality.

Energy Required	Source(s) of Energy
Not applicable	

Hydroelectric Energy Generation: Describe, and quantify if known, any anticipated increases or decreases in hydroelectric energy generation as a result of the option.

Location of Generation	Impact to Generation
Not applicable	

Recreation: Describe any anticipated positive or negative effects on recreation.

Location(s)	Anticipate Benefits or Impacts
Not applicable	

Environment: Describe any anticipated positive or negative effects on ecosystems within or outside of the Colorado River Basin.

Location(s)	Anticipated Benefits or Impacts
Not applicable	

Socioeconomics: Describe anticipated positive or negative socioeconomic (social and economic factors) effects.

Not applicable

Other Information: Provide other information as appropriate, including potential secondary benefits or considerations. Attach supporting documentation or references, if applicable.

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