

California farmers agree to drastically cut water use

23 May 2015, by Ellen Knickmeyer And Scott Smith



In this photo taken Monday, May 18, 2015, Gino Celli inspects wheat nearing harvest on his farm near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues. (AP Photo/Rich Pedroncelli)

California farmers who hold some of the state's strongest water rights avoided the threat of deep mandatory cuts when the state accepted their proposal to voluntarily reduce consumption by 25 percent amid one of the worst droughts on record.

Officials hope the deal agreed upon on Friday will serve as a model for more such agreements with growers in the nation's top-producing farm state, where agriculture accounts for 80 percent of all [water](#) drawn from rivers, streams and the ground.

"We're in a drought unprecedented in our time. That's calling upon us to take unprecedented action," Felicia Marcus, chairwoman of the state Water Resources Control Board, said in

announcing the agreement.

The rare concession from the farmers is the latest indication of the severity of the water shortage in California, which is suffering through its driest four years on record.

California water law is built around preserving the rights of so-called senior rights holders—farmers and others whose acreage abuts rivers and streams, or whose claims to water date back a century or more, as far back as Gold Rush days.

The offer potentially could cover hundreds of farmers in the delta of the Sacramento and San Joaquin rivers, the heart of California's water system. About 25 percent of all California river water runs through the delta, according to the state's Department of Water Resources.

Some of the farmers made the offer after state officials warned they were days away from ordering the first cuts in more than 30 years to the senior water rights holders' allotments.

The state already has ordered cities and towns to cut their water use by 25 percent, and it has curtailed water deliveries to many other farmers. But in recent weeks, many city dwellers and others have complained that agriculture should be made to share more of the sacrifice.



and vegetables grown in the U.S., but agriculture experts say they would expect only modest immediate effects on food prices from any reduction in water for the senior water rights holders. Other regions would be able to make up the difference, economists say.

Under the deal, delta farmers have until June 1 to lay out how they will use 25 percent less water during the summer. That could include irrigating their crops less or leaving some of their land fallow.

In this photo taken Monday, May 18, 2015, Gino Celli checks the moisture of land just planted with corn seed on land he farms near Stockton, Calif. Celli farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues. (AP Photo/Rich Pedroncelli)



Rudy Mussi, whose family farms about 4,000 acres in the delta southwest of Stockton, reacted with mixed emotions about state approval of the deal.

"The 25 percent savings, that gives us certainty," Mussi said. "But at the same time I'm being asked to give up 25 percent of my paycheck."

By itself, the delta farmers' offer would not go far enough to save shrinking waterways statewide. But if more farmers sign on across the state, California could save significant amounts of water, since the nearly 4,000 senior water rights holders alone consume trillions of gallons a year.

The agreement "is an illustration of creative practical approaches that water managers in the state of California are taking to help get us all through this devastating drought," said Michael George, state water master for the delta.

California produces nearly half of the fruits, nuts

In this photo taken Monday, May 18, 2015, Gino Celli checks the moisture of the ground next to a newly planted corn seed on land he farms near Stockton, Calif. Celli who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues. (AP Photo/Rich Pedroncelli)

In exchange, the state gave assurances to the farmers it will not cut the remaining 75 percent of the water to which they are entitled.

"When your back is up against the wall, I guess you'll do anything," said Paul Wenger, president of the California Farm Bureau Federation and an almond grower in the Modesto area, outside of the

delta. He said he is skeptical the deal will protect the farmers if the drought worsens.

Senior water rights holders last saw their water cut in 1977, but that move applied only to dozens of people along a stretch of the Sacramento River.



In this photo taken Monday, May 18, 2015, Gino Celli inspects some recently sprouted corn on land he farms near Stockton, Calif. Celli farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues. (AP Photo/Rich Pedroncelli)



In this photo taken Monday, May 18, 2015, Gino Celli inspects wheat nearing harvest on his farm near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues. (AP Photo/Rich Pedroncelli)

Ellen Hanak, a water policy expert at the Public Policy Institute of California think tank, said senior water rights holders don't necessarily face complete water cutoffs, as people with less venerable claims to water have endured.

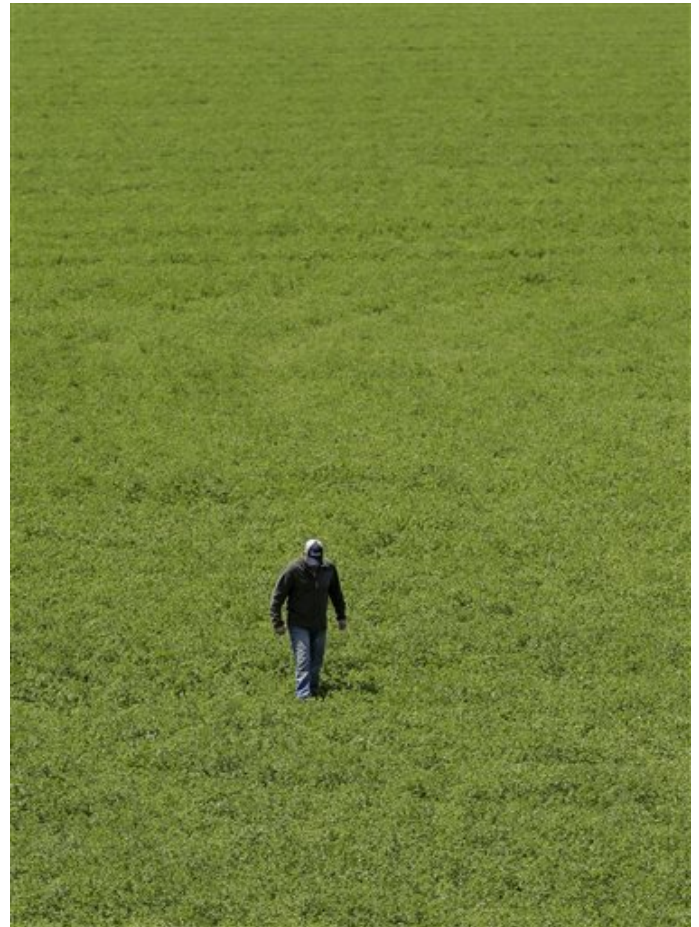
"It's important for people to realize that there are haircuts that are partial—they don't necessarily mean shaving everything off," Hanak said.

Any accord with delta [farmers](#) would probably rely largely on the honor system. California currently does not require monitoring or meters for superior rights holders.



In this May 18, 2015 photo, Gino Celli draws a water sample to check the salinity in an irrigation canal that runs through his fields near Stockton, Calif. Celli farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues. (AP Photo/Rich Pedroncelli)

In this photo taken Monday, May 18, 2015, Gino Celli inspects wheat nearing harvest on land he farms near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues. (AP Photo/Rich Pedroncelli)



In this May 18 2015 photo, Gino Celli uses a meter to check the salinity in an irrigation canal that runs through his fields near Stockton, Calif. Celli farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues.(AP Photo/Rich Pedroncelli)

In this photo taken Monday, May 18, 2015, Gino Celli inspects a field of alfalfa hay, on his farm near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues.(AP Photo/Rich Pedroncelli)



restrictions by the state later this summer as the record drought continues.(AP Photo/Rich Pedroncelli)

In this photo taken Monday, May 18, 2015, Gino Celli inspects a field of alfalfa hay, on the land he farms near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues.(AP Photo/Rich Pedroncelli)



In this photo taken Monday, May 18, 2015, farmer Gino Celli crosses an irrigation canal that is covered in dried salt on a field he farms near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues.(AP Photo/Rich Pedroncelli)



In this photo taken Monday, May 18, 2015, water slowly flows down a irrigation ditch on a field farmed by Gino Celli near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher



voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues. (AP Photo/Rich Pedroncelli)

In this photo taken Monday, May 18, 2015, farmer Gino Celli climbs out of a irrigation canal that is covered in dried salt on a field he farms near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues.(AP Photo/Rich Pedroncelli)



In this photo taken Monday, May 18, 2015, farmer Gino Celli checks salt from irrigation water that has dried on the land he farms near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues.(AP Photo/Rich Pedroncelli)



In this photo taken Monday, May 18, 2015, irrigation pipes sit along a dried irrigation canal on a field farmed by Gino Celli near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws his irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to



In this photo taken Monday, May 18, 2015, a tractor tills the dry land on the acreage farmed by Gino Celli, near Stockton, Calif. Celli, who farms 1,500 acres of land and manages another 7,000 acres, has senior water rights and draws irrigation water from the Sacramento-San Joaquin River Delta. Farmers in the Sacramento-San Joaquin River Delta who have California's oldest water rights are proposing to voluntarily cut their use by 25 percent to avoid the possibility of even harsher restrictions by the state later this summer as the record drought continues. (AP Photo/Rich Pedroncelli)

© 2015 The Associated Press. All rights reserved.

APA citation: California farmers agree to drastically cut water use (2015, May 23) retrieved 4 December 2022 from <https://phys.org/news/2015-05-california-farmers-drastically.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.