

Water Conservation Meeting

Presented by
Ricky Garrett P.E.
March 17, 2015

Despite recent rain, area lake levels still below normal



JEFF QUINN/FIRENEWS SERVICE
Belton Lake's record low water levels have made several boat docks unusable, including this one at Pier 35 Marina.

BY ALEX WUKMAN
FIRENEWS SERVICE

BELTON — Although parts of Central Texas received as much as 2 inches of rain in the last month according to data from the National Weather Service, water levels at Belton and Stillhouse Hollow lakes remain down.

Ronnie Bruggman, lakes manager for the U.S. Army Corps of Engineers, said Belton Lake is still about 12.5 feet below normal. The Corps' daily lake elevation reports show both Stillhouse Hollow and Belton lakes consistently be-

tween 12 and 14 feet below their normal depth since Jan. 1.

"We've had a drier than-normal winter," Bruggman said. "There hasn't been a lot of surface runoff for the lakes."

Bruggman, who was quick to point out that he is neither a climatologist nor a meteorologist, said lake levels have remained below normal since 2011.

"If we don't get some rain soon, we'll probably get record lows this summer," he said.

Despite the continual below-average elevation of the lakes,

PLEASE SEE LAKE LEVELS, A6

IMPORTANT LAKE LEVELS TO REMEMBER

POOL ELEVATION WAS 581.36' on Feb. 13th
ELEVATION March 12th WAS 581.53'

FULL POOL ELEVATION (LAKE IS FULL) = 594'

!!!! BRA'S STAGE 1 TRIGGER LEVEL = 587.2'

!!!! BRA'S STAGE 2 TRIGGER LEVEL = 577.9'

!!!! BRA'S STAGE 3 TRIGGER LEVEL = 565.8'

It should be noted that the lake levels in the cool months drop 6-8" per month and in the hot summer months they can drop as much as 3' per month.

STAGE 1 (VOLUNTARY REDUCTION) 587.2'

Restrictions: Voluntary

Target Goal: 5% Water Use Reduction

Suggestions to achieve desired goal:

- A. Reduce non- essential water use
- B. Initiate voluntary landscape watering schedules
- C. Target a 2-5% voluntary reduction of current water use

STAGE II (MANDATORY REDUCTION) 577.9'

Restrictions: Mandatory

Target Goal: 10% of your current average daily flow –"If circumstances warrant, the BRA's GM/CEO or his designee may modify this goal."

- A. Initiate a more stringent stage of your drought contingency plan to achieve goal
- B. Encourage public to delay installation of any new landscaping
- C. Initiate mandatory water schedules
- D. Cities and entities cut back on watering city owned facilities
- E. When a mandatory reduction is required the District will inform you of what reduction will be required. The reduction will be applied to whatever your current daily average is at the time of implementation.
- F. The District now has in place the necessary equipment to regulate flow to each entity and at that time we will be able to control how much water you get on a daily basis based on the severity of the situation.

STAGE III (MANDATORY REDUCTION) 565.8'

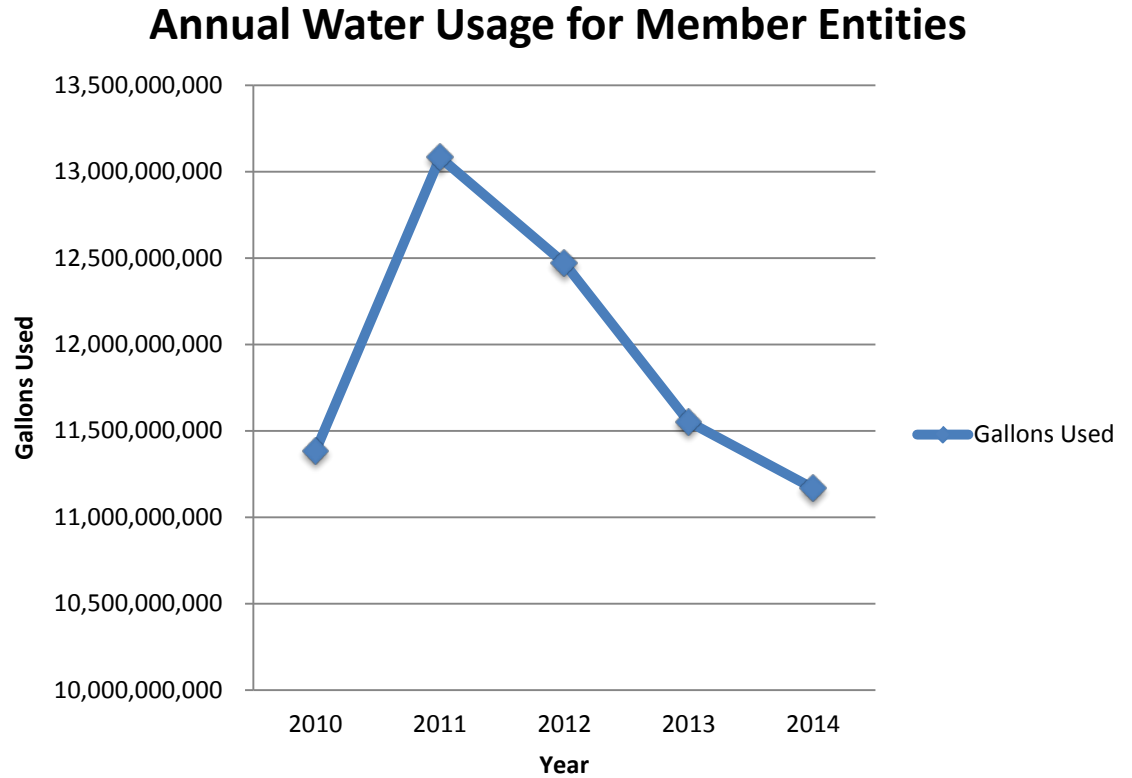
Restrictions: Mandatory

Target Goal: Additional 10% to Stage II

- A. Initiate the most stringent stage of your drought contingency plan.
- B. By this time things are really bad and we are somewhere at a reduction of at least 25% from your current daily use.

**BELL COUNTY WCID #1
ANNUAL WATER USAGE FOR MEMBER ENTITIES
CALENDAR YEAR 2010-2014**

Calendar Year	Gallons Used
2010	11,384,933,680
2011	13,082,384,890
2012	12,469,044,931
2013	11,552,916,409
2014	11,167,127,300



Stillhouse Plant & Pipeline

Project Status

Treatment Plant

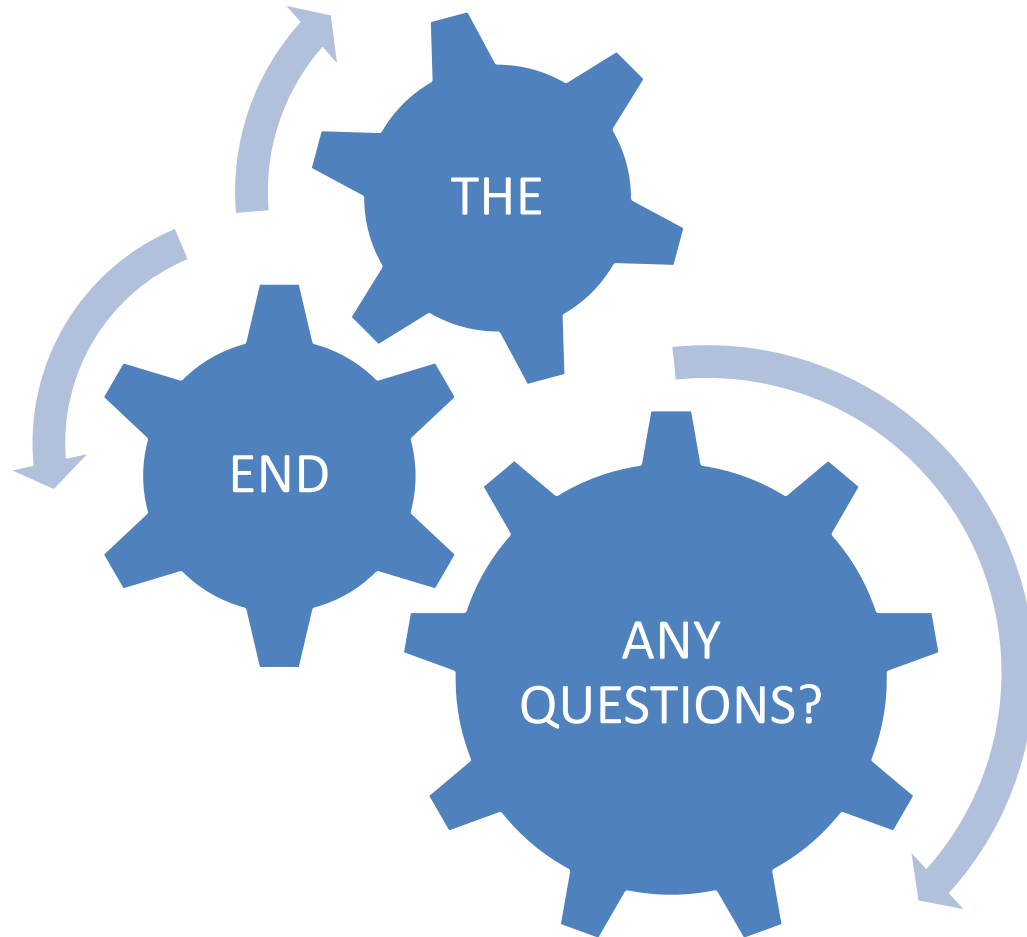
- Geotechnical work is complete
- Environmental and Archaeology on the plant site is complete with no issues to develop site
- Currently working on the electrical requirements and contacting the electric utility for service requirements

Raw Water Intake and Pump Station

- Raw water intake and pipeline surveying is complete
- Raw water pipeline preliminary design is complete
- Environmental and Archaeological work has been completed with no issues to construction

Treated Water Pipeline

- A preliminary route has been selected from the plant to Chaparral Road
- Surveying is about 90% complete
- Easement acquisition underway in about 3 to 4 weeks
- Schedule is to have final design by August 2016, Construction complete by November 2018



THE

END

ANY
QUESTIONS?