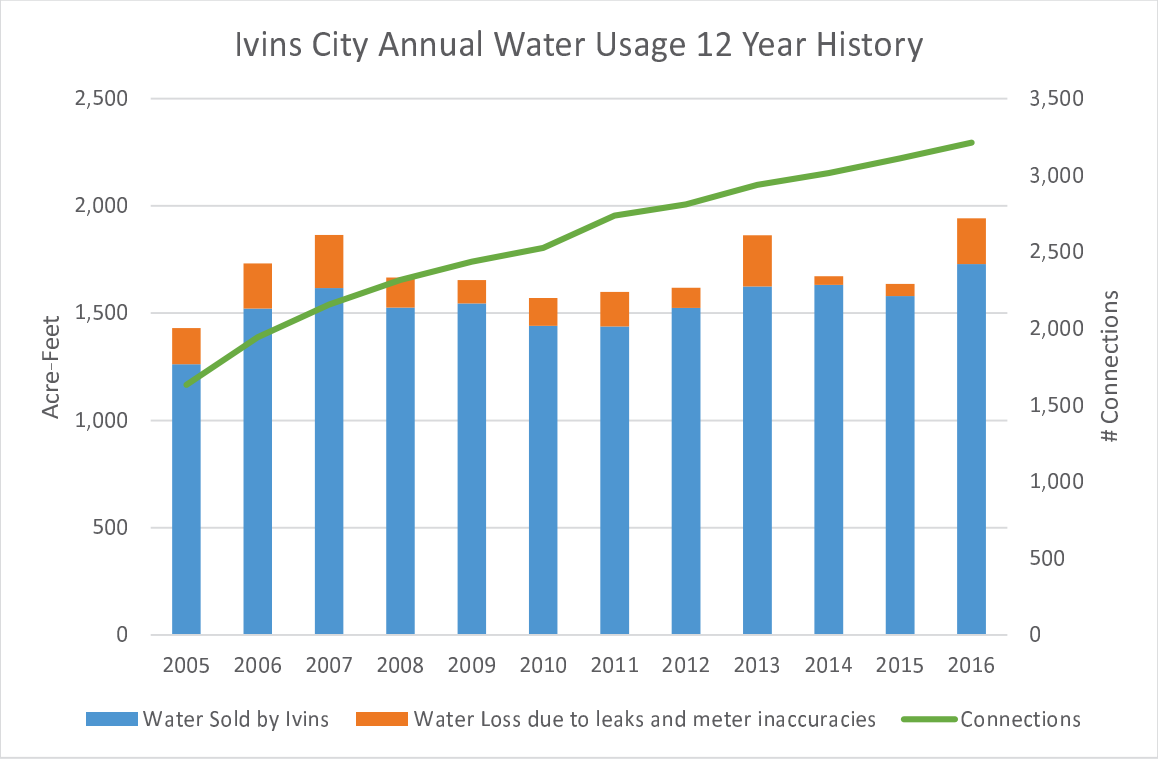
Ivins City Water Usage Report

2016 Annual Report
By Chuck Gillette, P.E., City Engineer/Public Works Director
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The following chart provides some interesting information regarding water usage trends:



For the past 12 years Ivins City Municipal Water System has gone from 1,631 connections to 3,213 connections. The number of our connections has essentially doubled, but our water requirements has only increased approximately 25 percent. It appears that Ivins residents have been really been doing a great job at reducing water usage.

In 2005-2007 water usage was averaging 0.88 acre-feet per connection (including losses). In 2014-2016 water usage has decreased to 0.56 acre-feet per connection. This represents a 36% reduction of usage. The District had set a goal to decrease water usage by 25% by 2050. It appears that Ivins City is already meeting the Districts goal of reducing water usage. In my opinion, a significant portion of this success can be attributed to conservation pricing of water into tiers to encourage less use.

Our water losses, which are due to leaks in the system and meter inaccuracies, fluctuates significantly. Most water systems try to keep water losses below 10 percent. Ivins water loss fluctuates between 2 and 13 percent. In the last 5 years our average has been 7 percent. The City keeps water losses low by identifying leaks and repairing them quickly and replacing meters every 10 to 15 years. In 2016, we saw an increased water loss, and we may need to review our efforts if the increased loss continues.