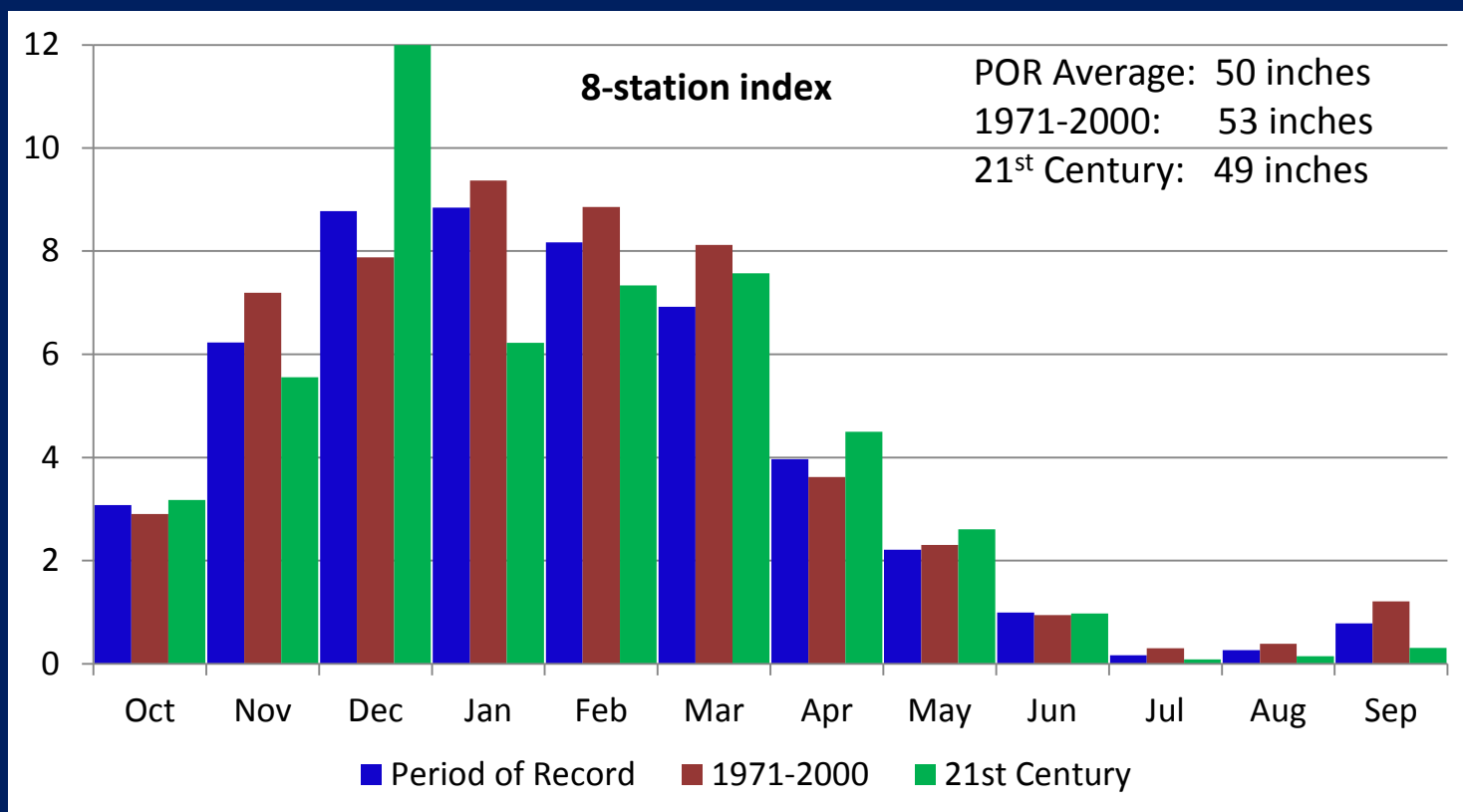


Climate change expectations

- Warmer temperatures
- Smaller snowpack/more rain, less snow
- Earlier snowmelt onset
- More variability
- More extremes

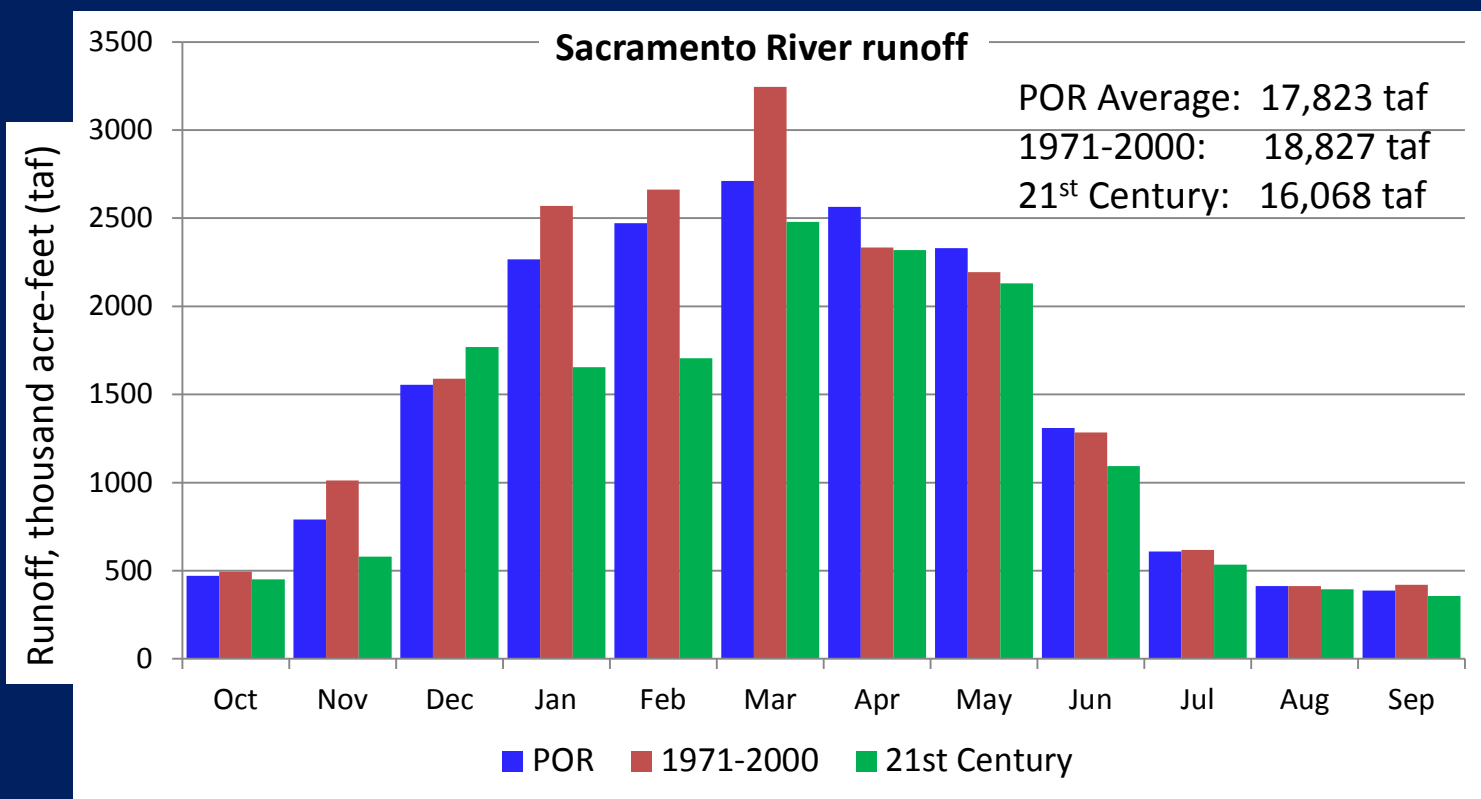
Are we seeing these already?

21st Century breakdown so far: A lot of variability

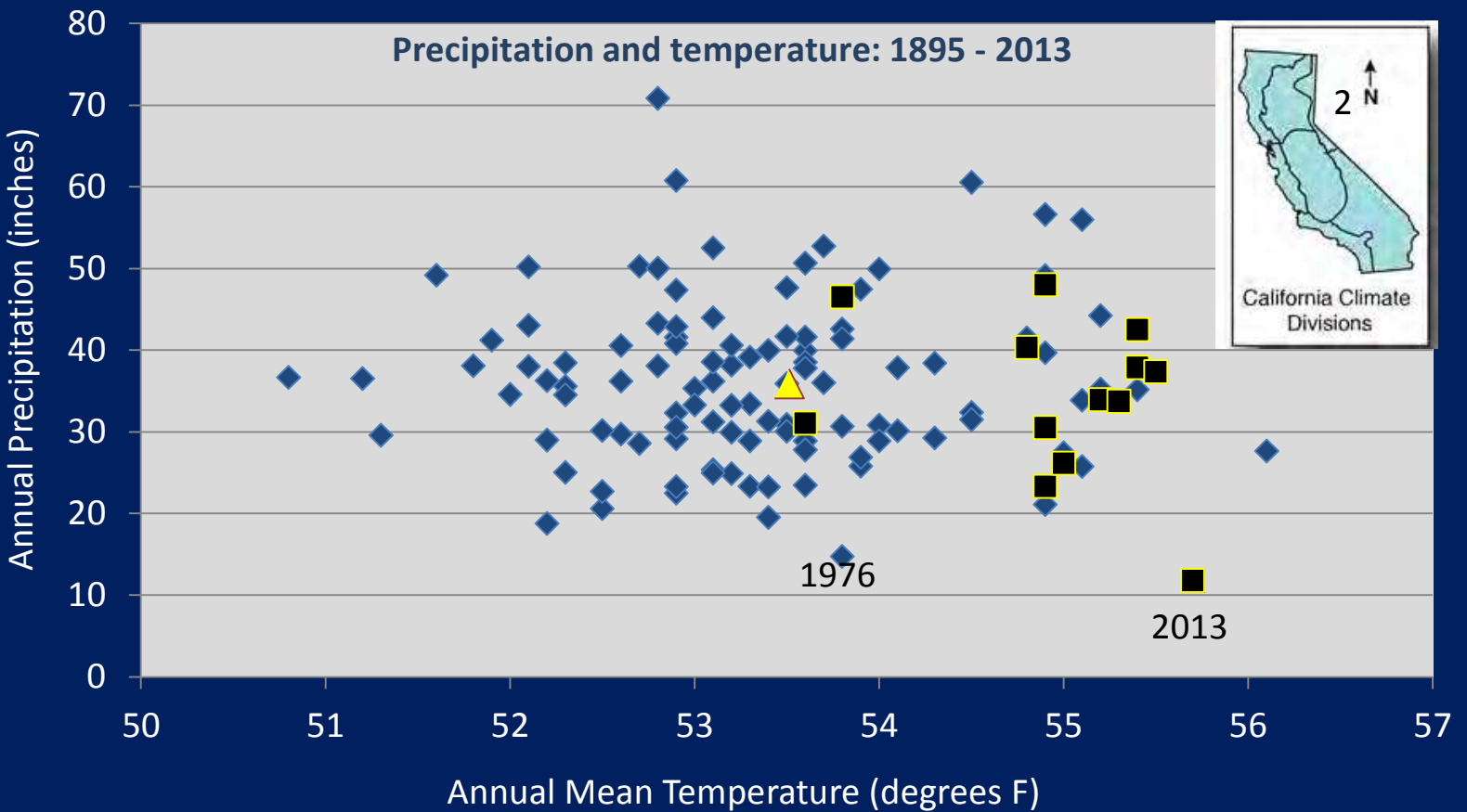


Note WY 2012 was 3rd driest December (0.34") and WY2014 was 4th driest (0.80")

Variability also evident in Sacramento River runoff



It's getting warmer, which increases the impact of droughts



Source: NOAA Climate Division 2 Calendar Year Data

21st Century droughts on the Sacramento River

