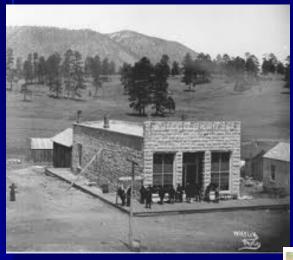
## Flagstaff Water Demand Urban Water Demand Roundtable



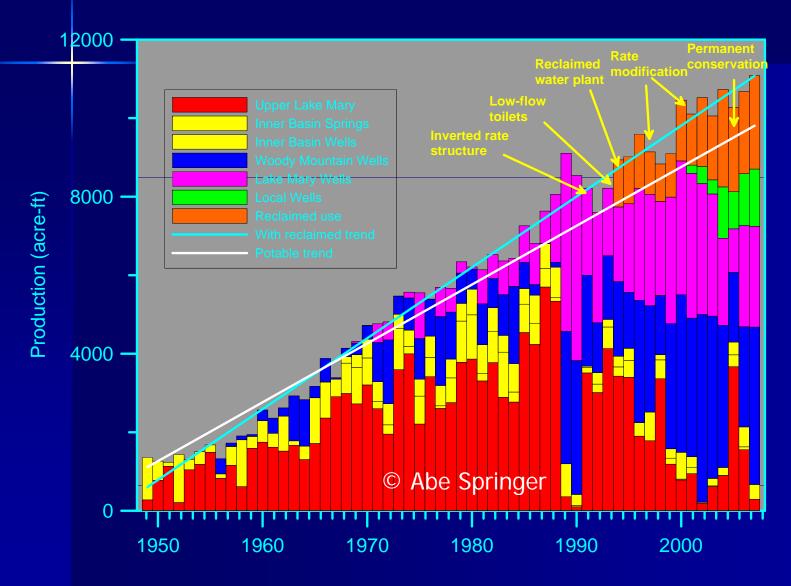


Erin Young, RG eyoung@flagstaffaz.gov April 18 &19, 2013

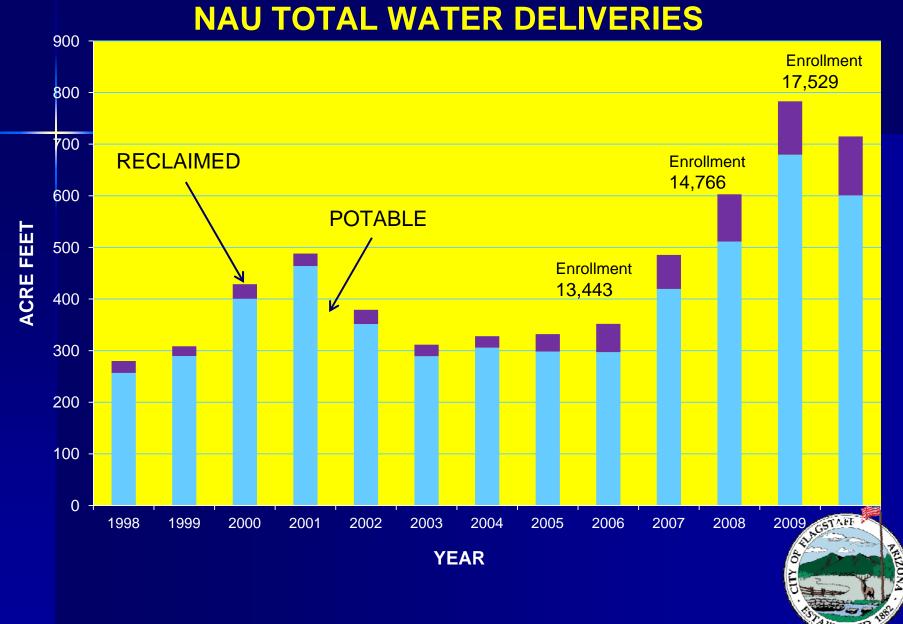




## Annual water use by Flagstaff



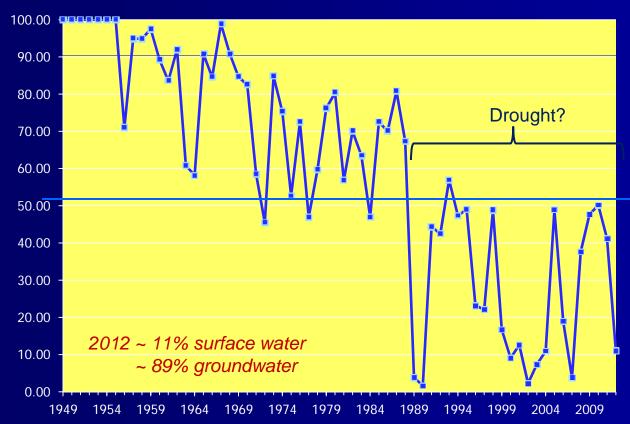




## Flagstaff's Water Supply

1949 - 2012

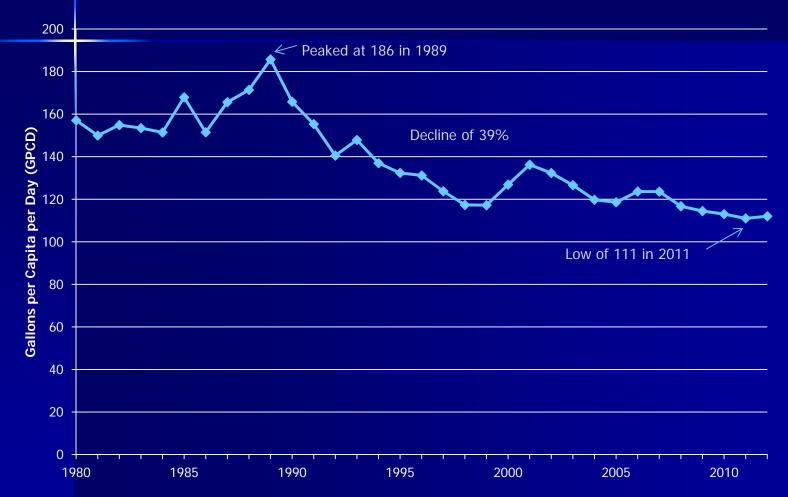
#### % of Surface Water v. Groundwater





## Historic drinking water use – GPCD

**Gallons per Capita per Day** 





Non-Residential: 42 GPCD



### Historic water use

*Utility billing data* (2003 – 2010)

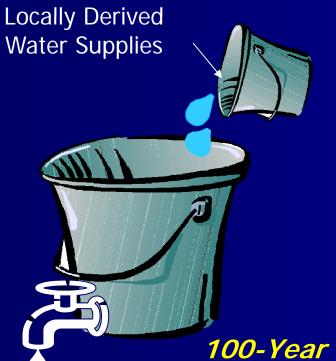
### **Summary Eight Year Water Consumption Averages**

Single Family Housing Units	212 GPHD
NA ICE II ACCE II III II II IC	470 ODUD
Multi Family Attached Housing Units	173 GPHD
Apartment Complexes	160 GPHD
Industrial/Institutional Uses	5251 GPAD
	004 0040
Commercial Uses	861 GPAD
Hotel Room Use	106 GPD
Modular Neighborhood	164 GPHD

GPHD gallons per house per dayGPAD gallons per acre per dayGPD gallons per day



# Flagstaff's "Bucket" of Water Supplies





#### **Locally Derived**

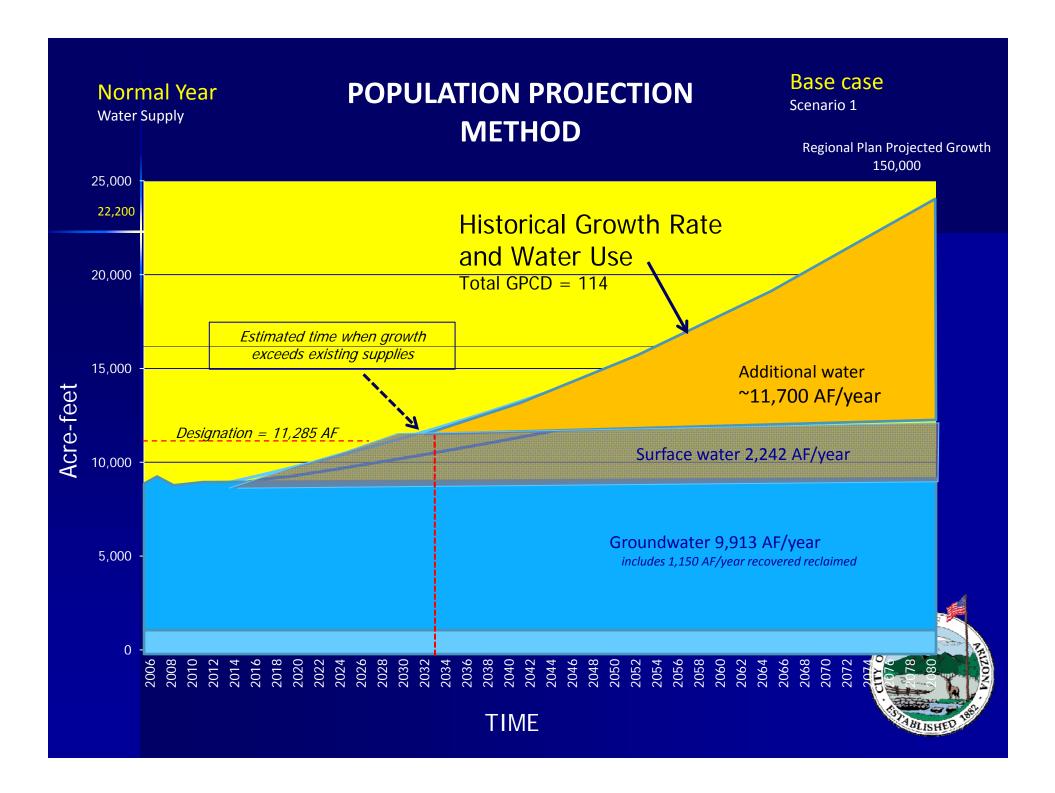
- Groundwater 9,913 AF/year

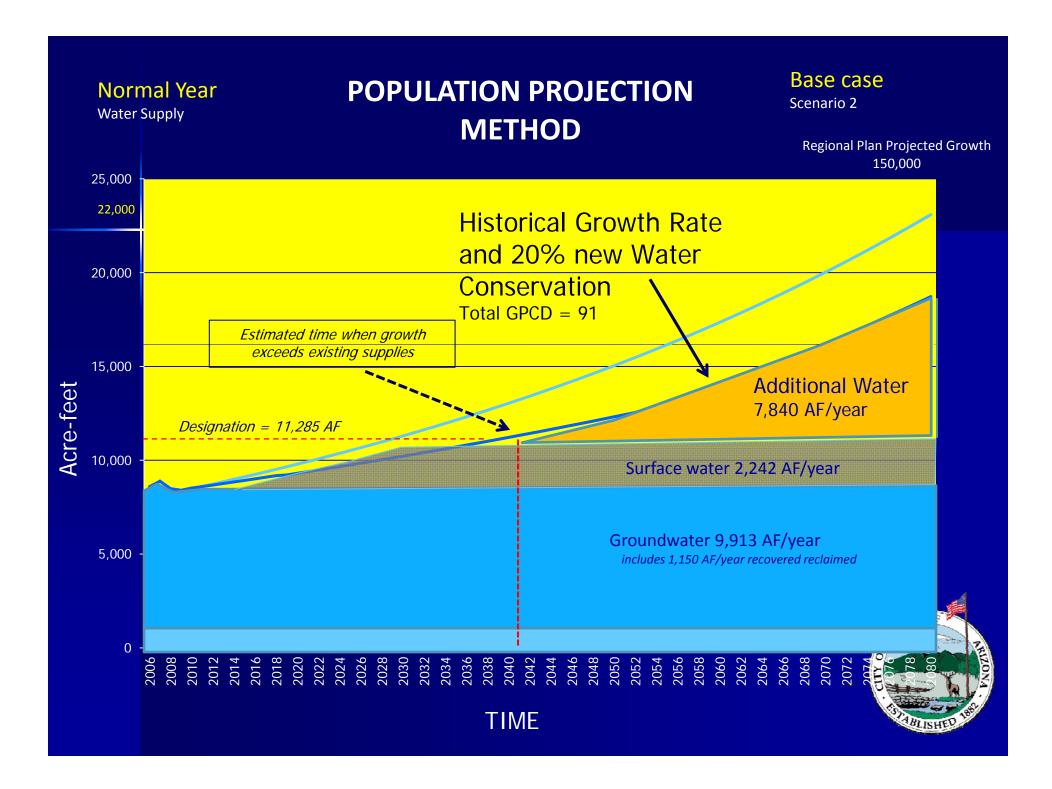
- Surface water 2,242 AF/year

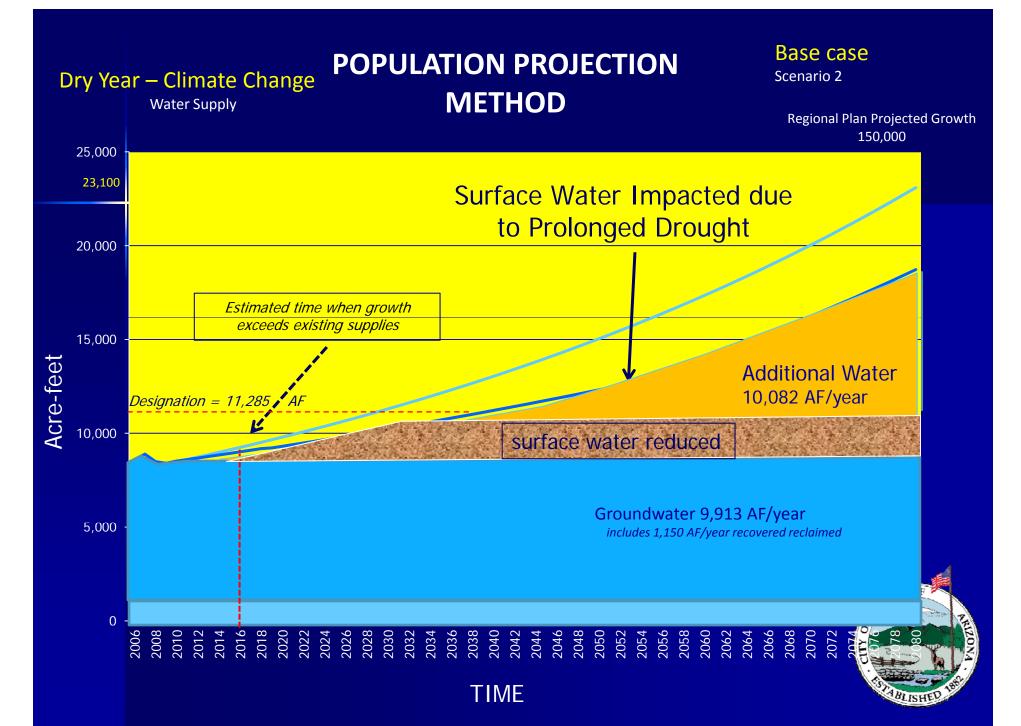
- Reclaimed water 2,212 AF/year

100-Year - sustainable volumes

+ groundwater flow computer modeling +





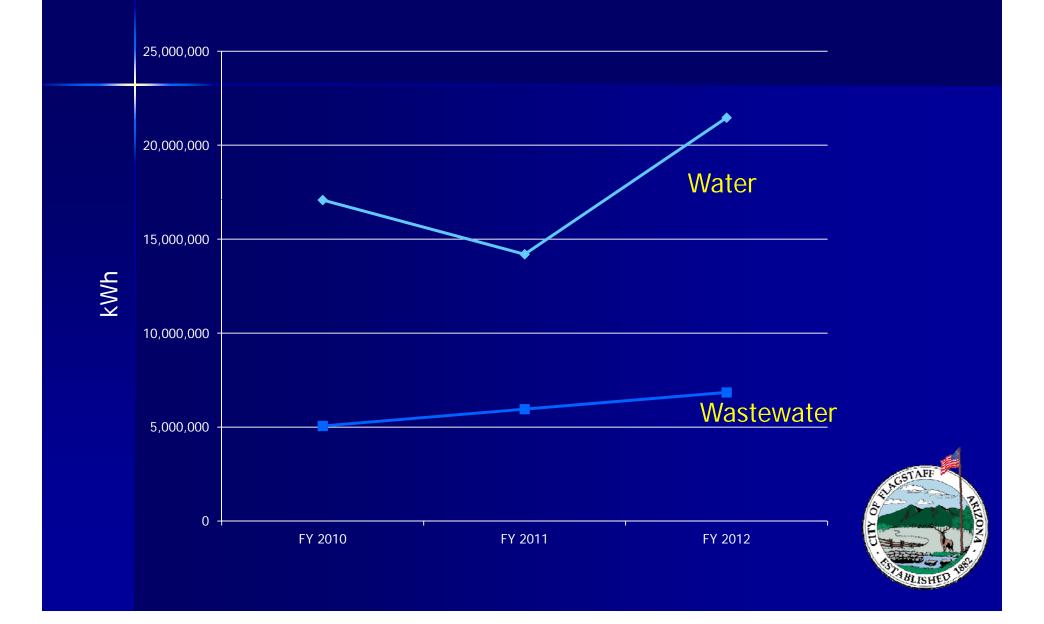


## Power Costs per Water Source

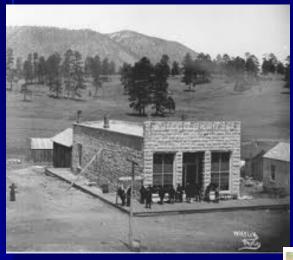




## **Utilities Energy Usage**



## Flagstaff Water Demand Urban Water Demand Roundtable





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