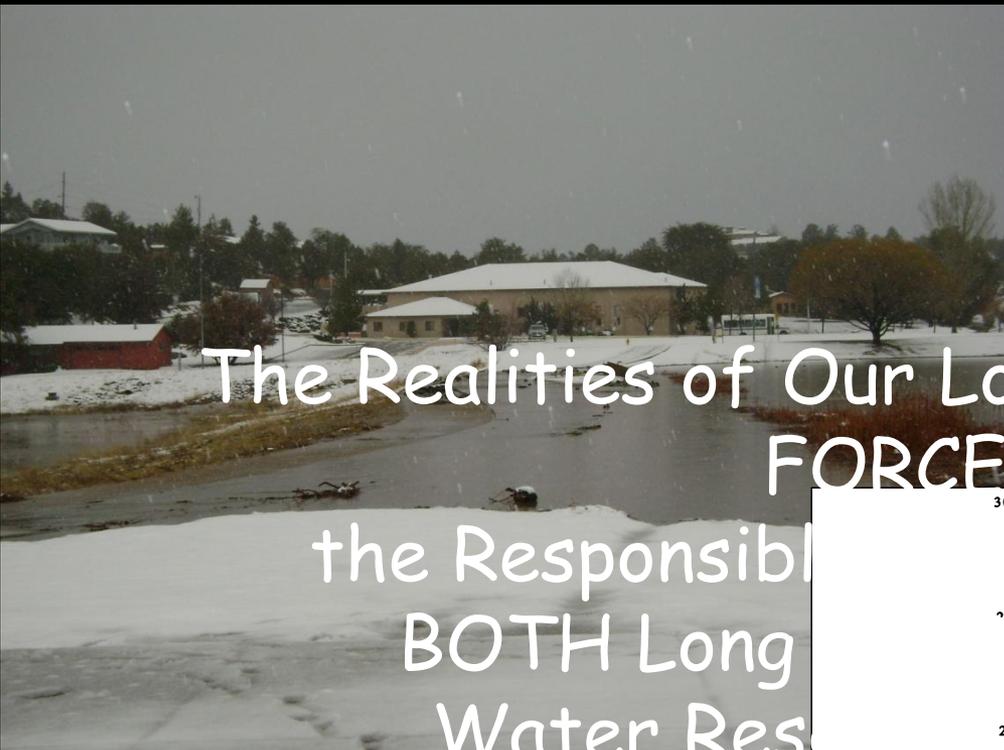


Water Conservation In Northern Arizona

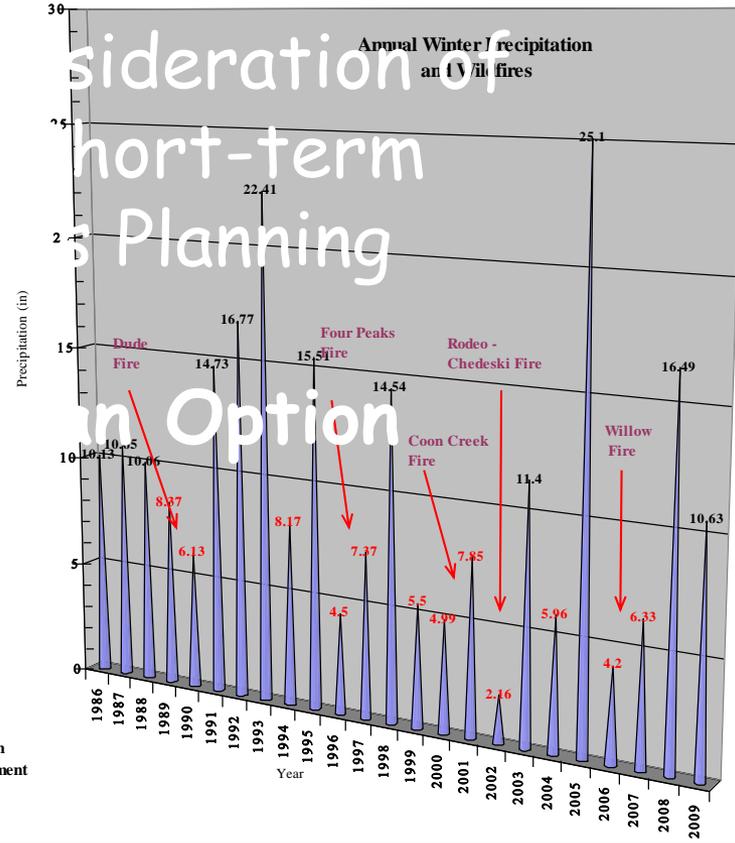
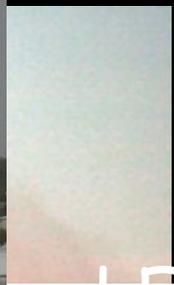
AMWUA "CREEN" Workgroup Meeting
May, 20th 2010

PAYSON'S SUCCESS STORY



The Realities of Our Local Climate FORCES

the Responsible
BOTH Long
Water Res



Town of Payson
Water Department

consideration of
short-term
Planning

an Option

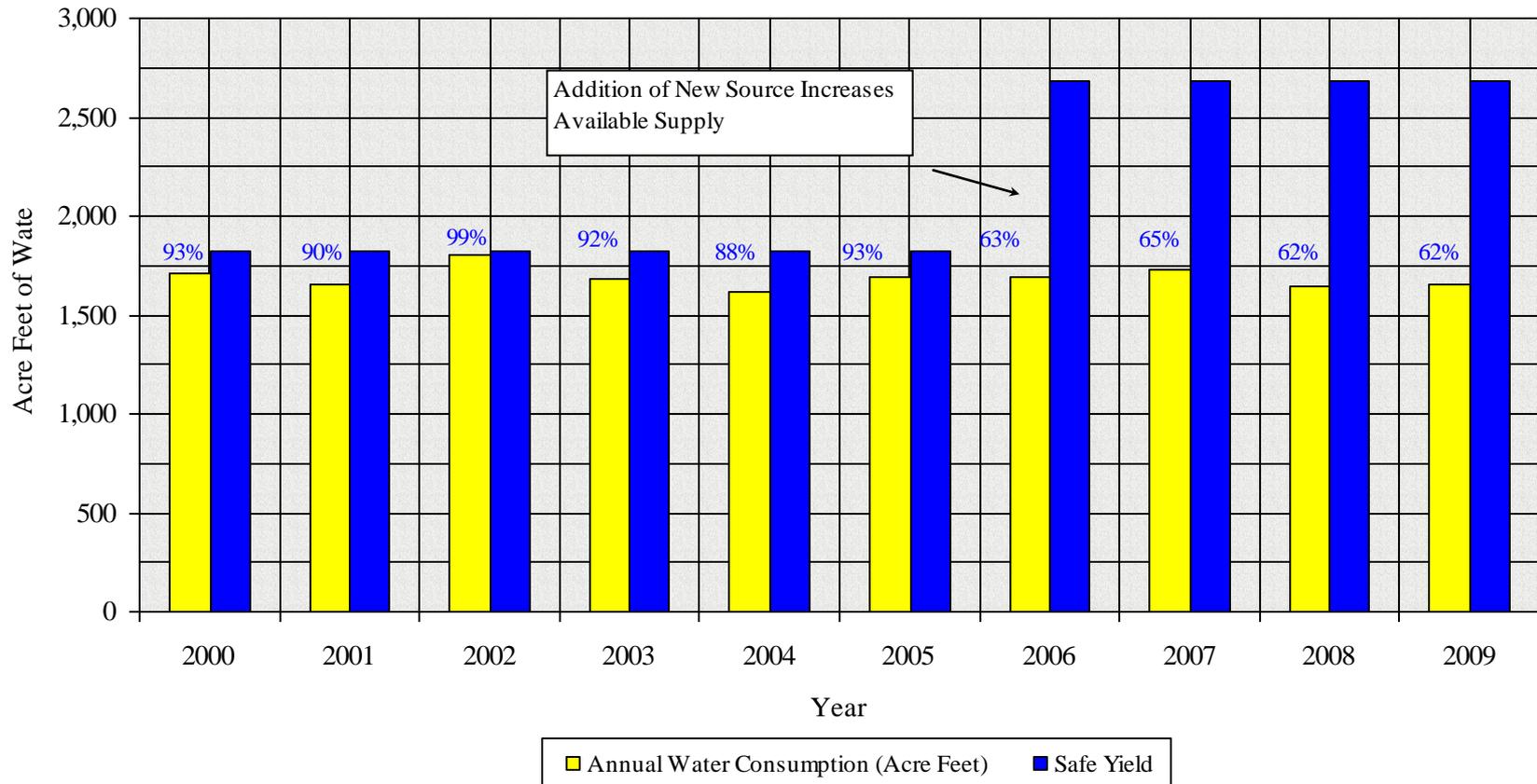
Payson's Water Resources Historical Overview

- 80's-1990's: Payson experiences growth booms that increases demands on its sole source groundwater supply. Payson "plants seeds" for future surface water supply option in Blue Ridge Reservoir and earmarks "reserve wells" for future activation.
- Mid to Late 1990's: Groundwater resource study defines limits of aquifer and identifies importance of water reuse, recharge, and risks of extended drought. Study recommends strong conservation programs in addition to the existing growth control measures.
- Late 90's-Early 2000's: Payson aggressively expands its groundwater and reclaimed resources to keep up with demands while, at the same time, beginning conservation efforts and "watering" Blue Ridge seeds.
- Early 2000's: Extended drought, wildfires, and even flooding, point to reality of environmental extremes that are a fact of life in northern Arizona.
 - **The Town's new conservation programs are kicked off and subsequently modified to link actual resource status levels with production capability and storage in offering a truly "Reality Based" conservation program:
"Ordinance 1742"**
- 2000's - Now: With the annual total avg. water demand goal of 89gpcd or less a reality (~82gpcd currently) the focus is now on expanding Payson's water resources portfolio to include surface water from Blue Ridge Reservoir (Cragin) (the seed sprouted!).
- A long-term sustainable water future for Payson is within sight!

Water Demand / Safe Yield

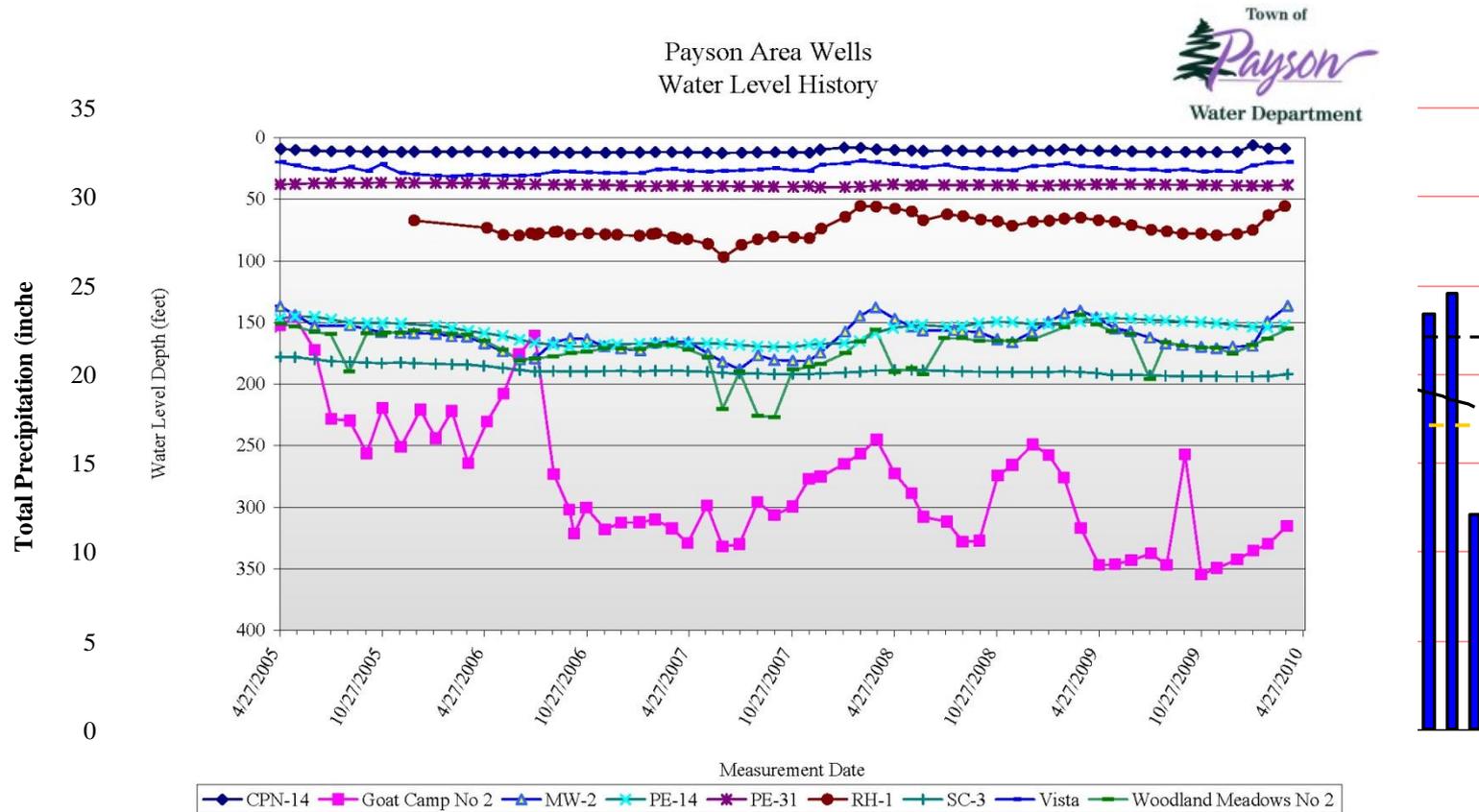
- In 2009, annual water demand only slightly increased to 1,656 acre-ft.
- The Town of Payson remains at 62% of the long-term balance or "Safe Yield" of our groundwater supplies.

**Town of Payson Annual Groundwater Consumption
Since 2000 Relative to % of Safe Yield**



Annual Conservation and Resource Status Updates

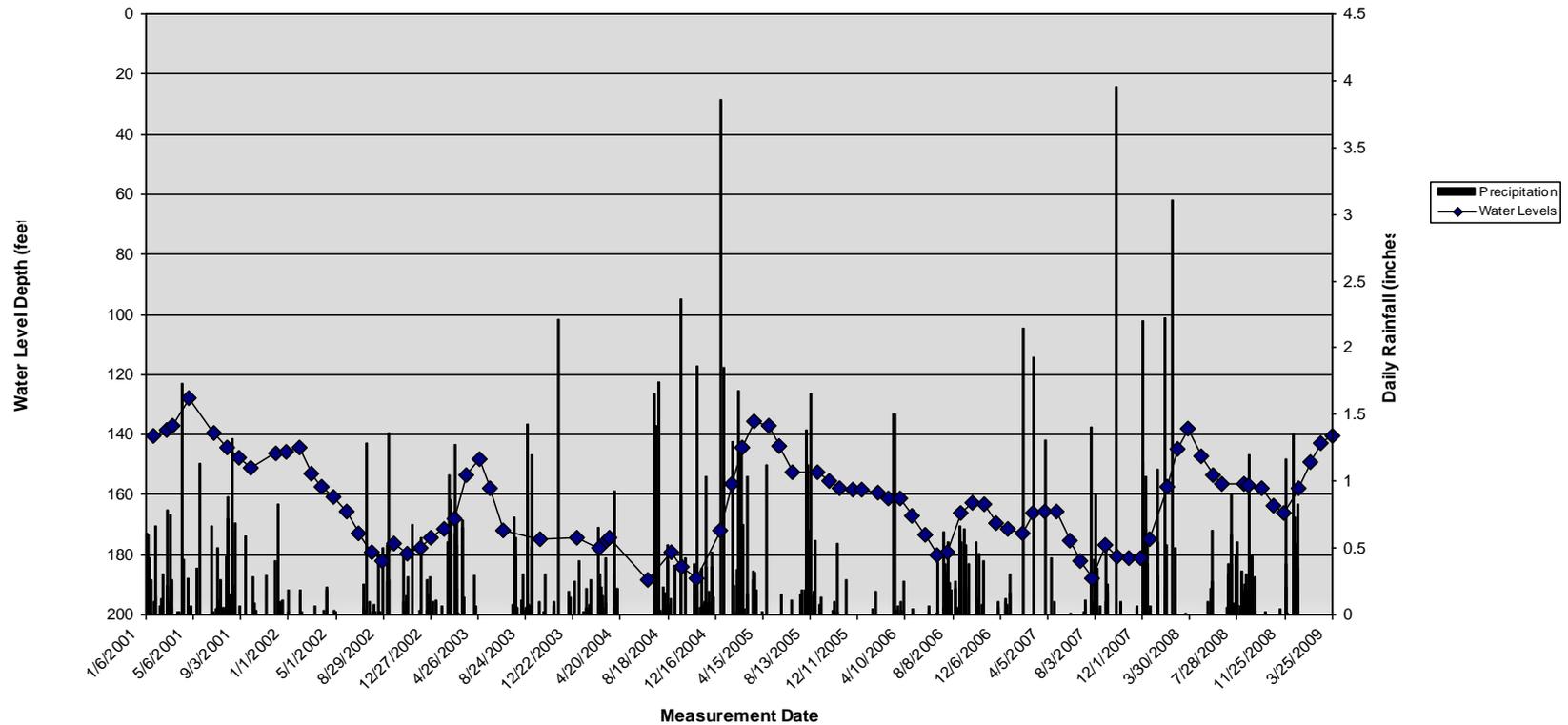
- Precipitation, was below normal in 2009. However, El Nino related weather resulted in precipitation far above normal for winter 09-10 and groundwater levels recovered.



PRECIPITATION / WATER LEVELS

MW-2

For Period: 1/1/2001 through 3/31/2009 - All Measurements

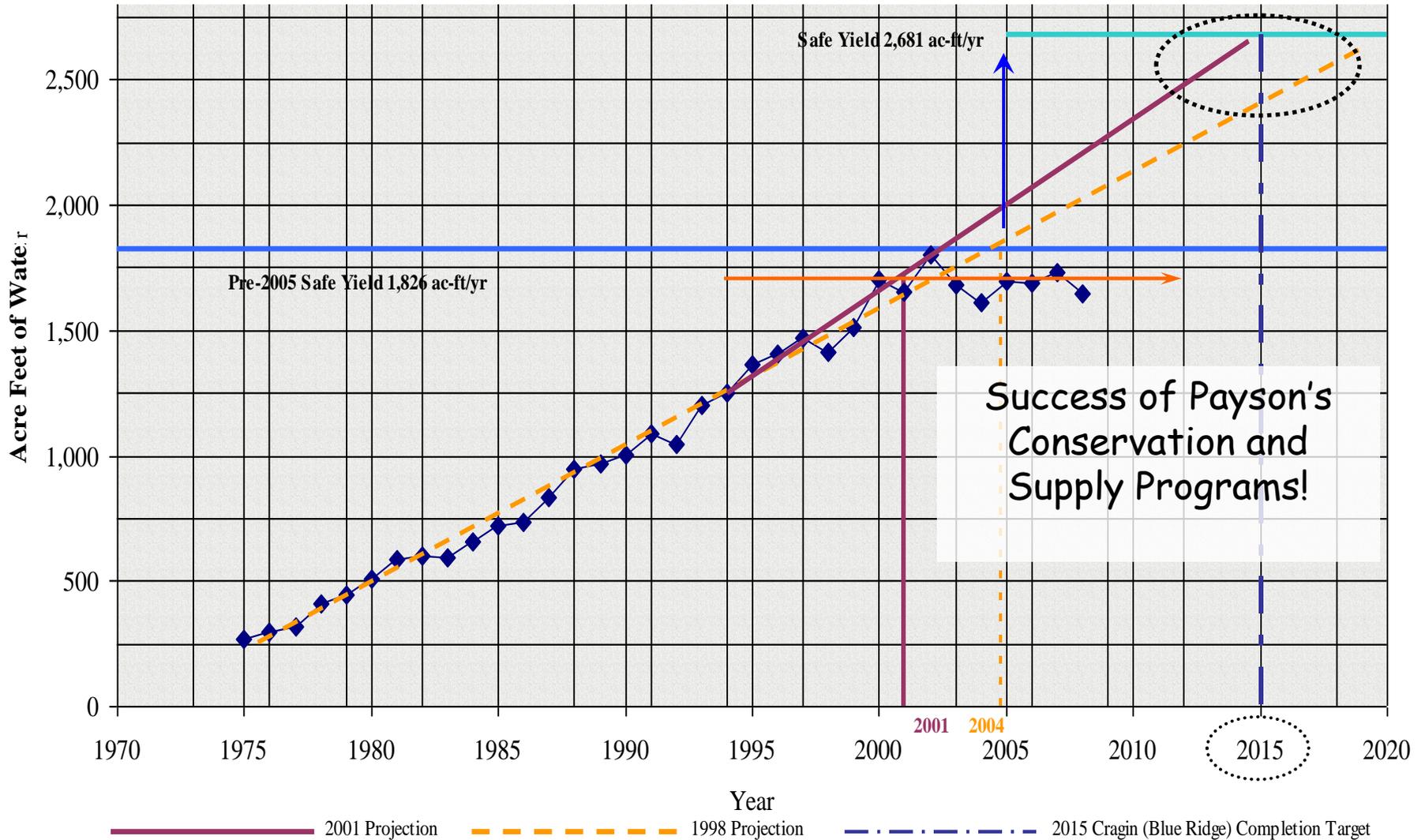


Demand Trends

- The Department continually monitors water use trends in keeping a pulse on the effectiveness of its water resources programs.
- Past projections from 1998 and 2001 are annually reviewed.
- The effectiveness of the Departments water efficiency and conservation programs is most obvious.

Town of Payson

Annual Groundwater Demand and Trends



Managing Payson's Water Resource Challenges Requires Foresight and Acknowledgement of the Areas Water Realities

- Sole source groundwater supplies are drought sensitive.
- Northern AZ is an environment of water related extremes (floods or drought, wildfires or snowstorms).
- Growth and seasonal demand trends require methods to address peak water demands.
- The link between annual precipitation and local ground water resources is undeniable. Therefore, a conservation program should be consistent with environmental conditions and yet preserve quality of life in the community.
- Responsibility of local government to manage water resources within the context of its local environment (Payson is outside of AMA's).
- Payson recognizes the importance of water resources on both the individual and community scale.
- **Payson is successful at maintaining low per capita use because the community understands the issues above as important for their quality of life and long-term sustainability.**

Implementation of Water Resources Conservation Plan Resolution No. 1742

- **Year round water conservation rates**
- **Mandatory commercial restroom fixture retrofits**
- **Waterless urinals only in ALL public places**
- **Schools, public buildings, nursing homes - free toilets and waterless urinal programs**
- **Free low water use fixtures for qualifying residential properties**



Conservation Resolution No. 1742 continued....

- **No new turf in Payson!**
- **Mandatory low water use landscaping requirements**
- **No misters**, spray irrigation, outside pools, water features larger than 50 gallons

Water Rates

- Rates need to reflect the costs of maintaining reliable infrastructure, diversity in the water resources portfolio, and high quality municipal water resources.

Payson Water Rates	CURRENT	PROPOSED FY 10-11
Minimum monthly charge (0-2,000 gallons)	\$19.65	\$21.71
Volume rate per 1,000 gallons		
2,001 - 5,000	\$2.65	\$2.93
5,001 - 10,000	\$3.50	\$3.87
10,001 - 20,000	\$4.00	\$4.42

Public Outreach and Education Bringing the Realities of Water to the Public In Fun and Informative Ways

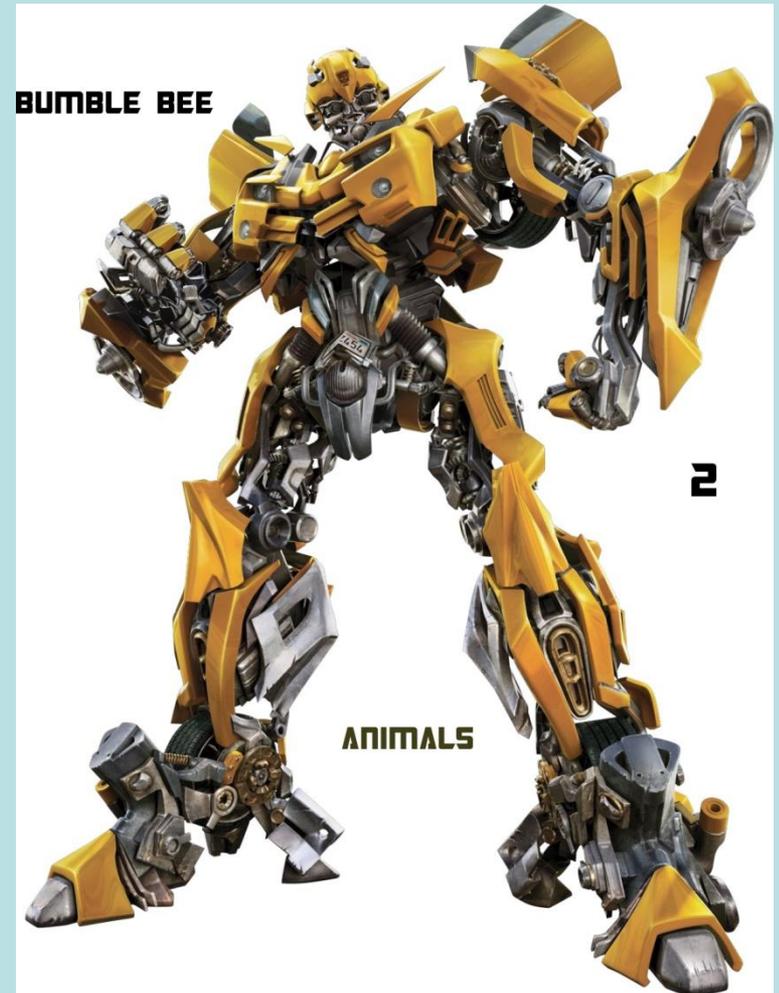
➤ Annual Participation in AZ Project WET

➤ Functions for Special events:

- o Payson Leadership Academy
- o PUSD "Gifted Kids" Field Day
- o Xeroscape Council
- o Informative Brochures

And more...

Water - THE TRANSFORMER!
More than meets the eye....



Enforcement

TOWN OF PAYSON WATER CONSERVATION NOTICE OF VIOLATION

Date: _____

Customer Name: _____ Telephone #: _____

Service Address: _____

You have been found in violation of the following Section(s) of the Town Code. In order to be in compliance, you are required to take the actions indicated:

Section:

Action:

VIOLATION

Certified Mail Receipt #

Water Department Representative

If you have any questions, please contact the Water Resource Specialist at the number listed below.

When the violation has been corrected, please contact our office so that we may update our records.

If you have not complied within _____ days, the Town may take enforcement actions against you, including the imposition of administrative fees, termination of service, and/or civil prosecution. (See Section 50.79 of the Payson Town Code)

Town of Payson Water Conservation NOV
Office: (928) 474-5242 Ext. 371
Fax: (928) 474-7052

White Copy: Water Department

Yellow Copy: Customer

Pink Copy: TOP Legal Department

Enforcement

WATER CONSERVATION LEVEL I AT A GLANCE

1. Outside watering for even-numbered addresses on Wednesdays, Fridays and Sundays and for odd-numbered addresses on Tuesdays, Thursdays and Saturdays
2. No watering between 9:00 AM and 6:00 PM
3. No NEW grass or EXPANSION of existing grass areas from seed or sod
4. No hosing sidewalks, driveways or parking lots
5. No water waste allowed
6. No water leaks allowed
7. No water running off property
8. No watering native pine trees or native plants
9. No water running down street
10. No washing house or building unless with high pressure washer prior to painting
11. Car washing at commercial car wash anytime, or at home on your assigned days with a bucket and hose equipped with a positive cutoff nozzle
12. Fill or refill existing pools, spas or wading pools only on odd/even address schedule
13. No NEW outdoor swimming pools (built in or above ground)
14. No water features larger than fifty (50) gallons capacity (must be equipped with a recirculating pump)



Enforcement

The Door Hanger



CONSERVATION ALERT!

DATE: _____ TIME _____ AM/PM

NAME: _____

ADDRESS: _____

ACCT #: _____

THE FOLLOWING VIOLATION(S) OF THE TOWN OF
PAYSON RESOLUTION #1742 HAS BEEN
OBSERVED/REPORTED AT YOUR RESIDENCE:

- Odd/Even Irrigation Restrictions
- Establishment of New Turf (from seed or sod)
- Installation of Spray Irrigation System
- Faulty Irrigation System
- Water Flow from Property
- Unattended/Neglected Leak
- Water Feature Exceeds 50 Gallons
- Use of Misters
- Other _____

SEE REVERSE SIDE FOR A LIST OF THE CURRENT
WATER RESTRICTIONS. PLEASE TAKE THE
APPROPRIATE ACTION TO CORRECT. THANK YOU
FOR YOUR COOPERATION

YOU MAY CONTACT OUR OFFICE AT (928)474-5242
EXT 371 IF YOU HAVE ANY QUESTIONS.

FIELD SERVICES AVAILABLE 7:00 A.M. TO 3:00 P.M.
MONDAY - FRIDAY



PAYSON WATER DEPARTMENT
303A N. Beeline Highway ● Payson, Arizona 85541
(928) 474-5242 ext. 4 ● (928) 472-2556 Fax

Water Conservation: It's a Beautiful Thing

Town of Payson Water Department • (928) 474-5242, ext. 371



GREEN VALLEY PARK
A WATER CONSERVATION PROJECT

*A TOWN OF PAYSON &
NORTHERN GILA COUNTY SANITARY DISTRICT JOINT VENTURE*