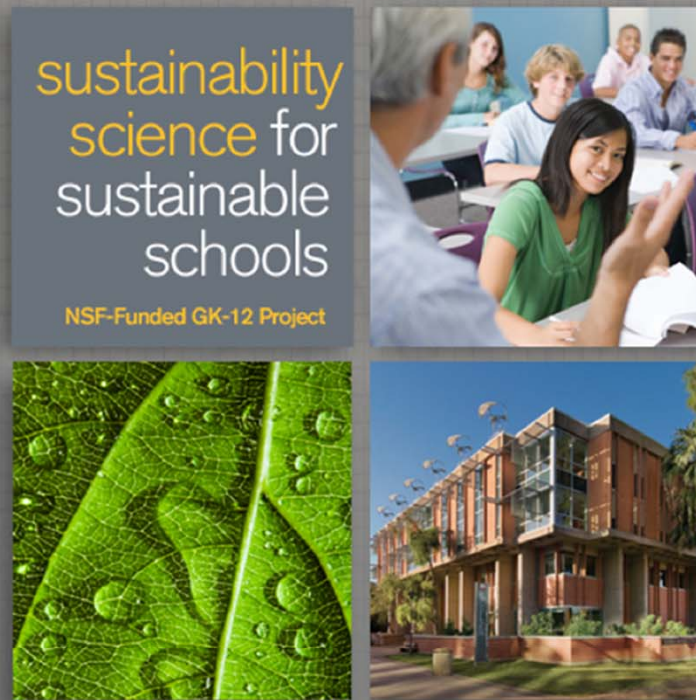


# Water Consumption in Arizona



Omayya Ahmad

# Let's talk about how we use water in the desert.

- About how long do you take in the shower?
  - 4 minutes (1 radio song)
  - 8 minutes (2 radio songs)
  - 12 minutes (3 radio songs)



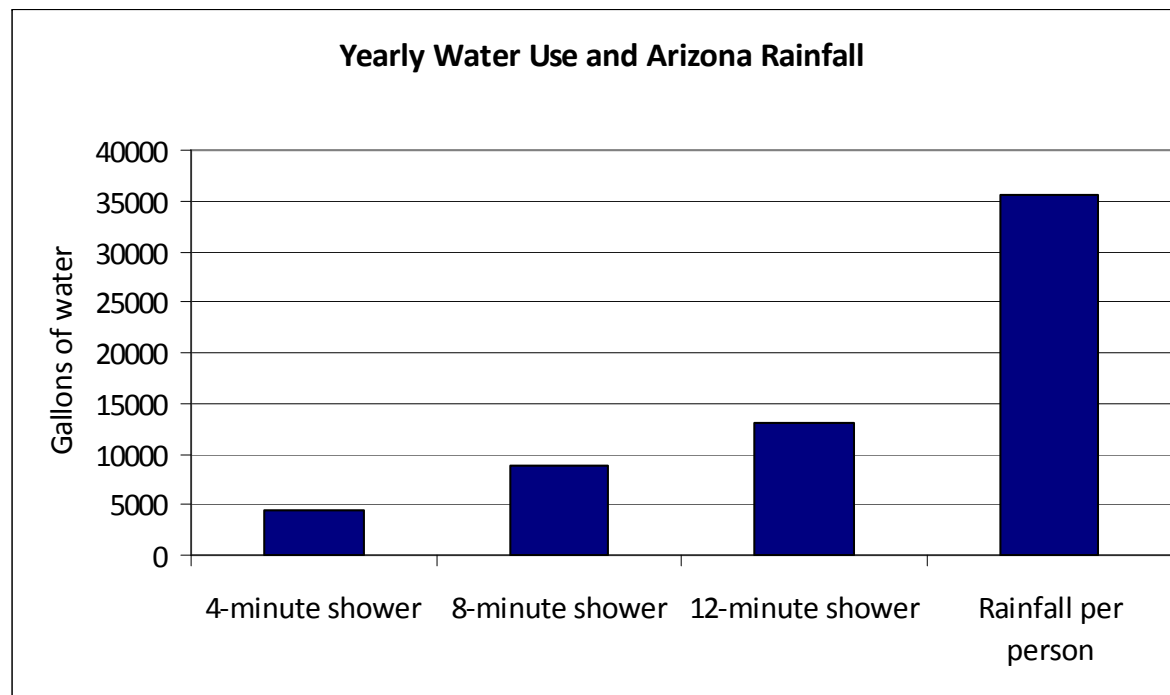
# Yearly Phoenix Rainfall

- About **76 billion gallons** of rain fall in Phoenix every year.
- If we divided that amount of water and gave an equal amount to every person living in Phoenix, you would get about:
  - **35,500 gallons**

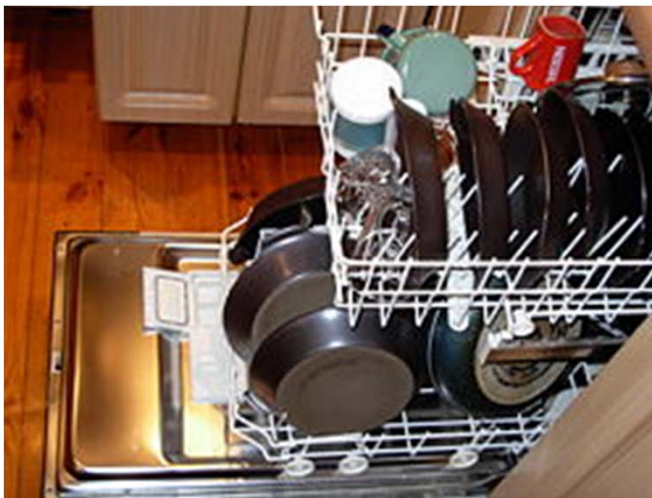


# How much water do you use in the shower every year?

1. 4-minute shower = **12%** of rainwater
2. 8-minute shower = **25%** of rainwater
3. 12-minute shower = **37%** of rainwater



# When do we use water?



# Phoenix rainfall available for 4 people

- 142,000 gallons
- On your water bottle, 1 cm = 10,000 gallons
- 14.2 cm = 142,000 gallons
- Mark a line across the bottle at 14.2 cm from the bottom
- Color area in **Blue**

# Water Used to Make Clothes



# Clothes

## Color in Red

Are the blue jeans you own mostly bought new or used?

- One pair of new blue jeans  
**1,700** gallons of water per person
- One pair of used or hand-me-down blue jeans  
**800 gallons** of water per person



# Water Used for Recreation



# Recreation

## Color in Purple

Do you mostly swim in a private or a public pool?

1. Private swimming pool  
**11,000** gallons of water per person per year
2. Public swimming pool  
**10** gallons of water per person per year

Do you mostly play in a private backyard or a public park?

1. Private backyard  
**2,500** gallons of water per person per year
2. Public park  
**30** gallons of water per person per year

# Water Used to Make Food



# Food

## Color in Green

What kind of food do you eat for dinner the most?

1. Beef  
**94,000** gallons of water per person per year
2. Chicken  
**24,000** gallons of water per person per year
3. Pasta with no meat  
**7,000** gallons of water per person per year

# Minimizing Water Use

## 1. Clothing

Second-hand or used jeans x 4 = **3,200** gallons

## 2. Recreation

Public pool and public park x 4 = **160** gallons

## 3. Food

Pasta with no meat x 4 = **28,000** gallons

Grand Total: **31,360** gallons of water per year for 4 people

# How can we save water?

