

Smarter Water for North Texas Ambassador Training

Key Presentation Points

Source

- 1 **Texas Conservation Alliance**
Texas 501C3 Non profit
A dynamic group of individuals and organizations protecting Texas' rivers, forests, coastlines, wildlife, and other natural habitats for more than 40 years
www.tcatexas.org
- 2 **Water Planning Process in Texas**
16 regions prepare water supply plans every 5 years.
Current planning horizon is through the year 2060
- 3 **Region C**
all or part of 16 counties: Cooke, Grayson, Fannin, Jack, Wise, Denton, Collin, Parker, Tarrant, Dallas, Rockwall, Kaufman, Ellis, Henderson, Navarro, Freestone
2008 population of Region C: 6.3 million
2010 Region C percent of Texas Population: 27%
Dallas and Tarrant counties have 65% of Region C pop
Estimated population of Region C in 2060: 13.1 Million
Region C Plan: ES.2
Region C Plan: ES.3
Reg C Summary: P 25
Region C Plan: ES.3
Reg C Summary: P 25
- 4 **Region C Current water use**
Municipal use is by far the largest category in Region C
Approximately 86% of current water use in Region C is municipal
There are now 34 major reservoirs in Region C
2008 Total per capita water use was 251 gallons per person per day
Region C Plan: 1.13
Reg C summary: P 25
Region C Plan: 1.14-15
Region C Plan: 1.67
- 5 **There's enough water in existing reservoirs to meet demand through 2060**
Dry year demand estimates are used to est. demand
and are 10-15% greater than normal year demands
Graph of projected demand in 2060 showing 3.3M acre feet per year
Graph: 2060 demand 3.3M acre-feet per year & recommended supply at 4M AFY
Pie Chart: new reservoirs 16% of 2060 supply equal to 640 acre-feet/year
Proposed strategies would supply 22% more than estimated dry year demand
Region C plan ES.5
Region C plan ES. 5
Region C plan: ES.12
Region C Plan: ES.13
Reg C Summary: P 26
- 6 **Monetary Cost for new reservoirs**
Estimated cost for four new reservoirs \$4.33
Estimated cost for Marvin Nichols \$3.43 B
Region C plan: ES.10
Region C plan: ES.10
- 7 **Environmental costs**
- 8 **Human costs**
- 9 **Alternatives**
Current reservoirs; Texoma, Wright Patman, Toledo Bend
Increased conservation to meet state goal of 140 gpd per person
New technologies; example John Bunker Sands reuse

10 **How to help**