

Water Use Efficiency

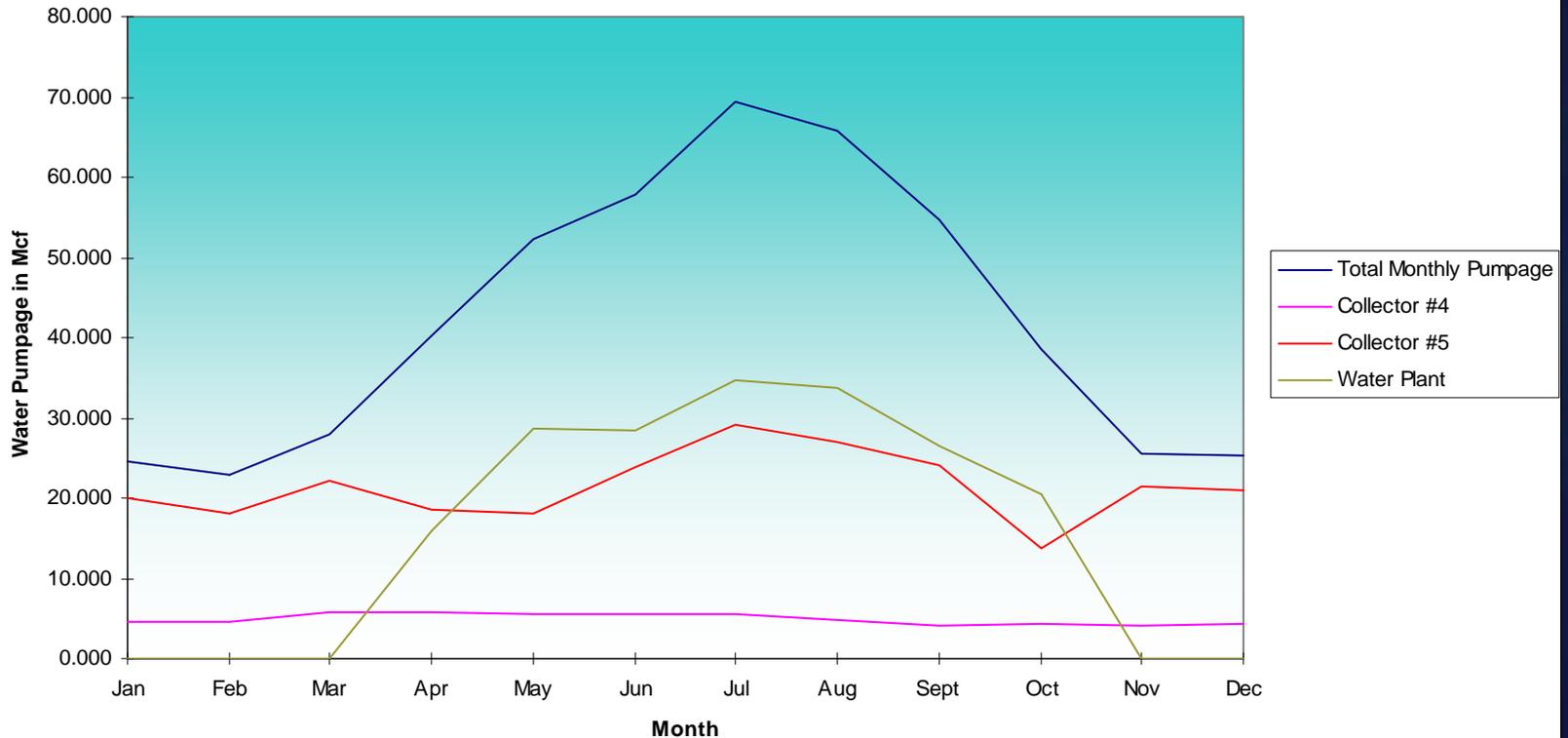


Kennewick Water System

- Provides service to 20,663 accounts and a population of 67,900
- Source water consist of 2 ranney wells and a surface water treatment plant with a maximum source capacity of 30.5 MGD
- Service is provided to five pressure zones
- 9 water reservoirs with a total storage capacity of 28.6 million gallons
- 3 emergency water system inerties
- Approximately 75% of customers are served by one of two irrigation districts

2007 Monthly Water Production

2007 Monthly Water Pumpages by Source



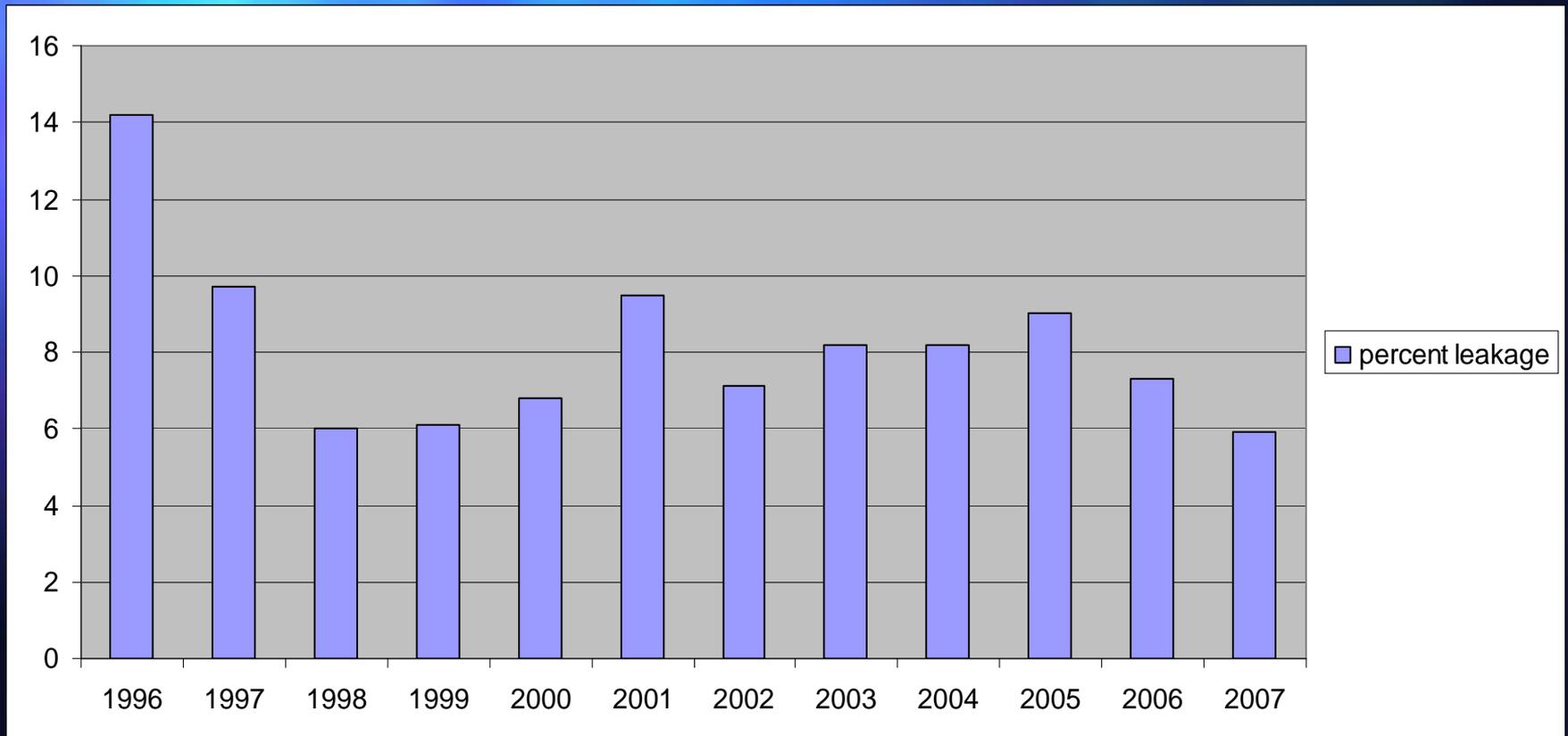
Water Use Efficiency Program

- Public Education
- Technical Assistance
- System Measures
- Incentives/Other Measures

Efficiency and Conservation Measures

- Have inspected a total of 296 miles of water main as part of a leak detection program that began in 1994.
- Have collected and tracked water efficiency and conservation data since 1997.
- Low flow showerheads, toilet tank displacement bags, and leak detection tables have been offered to customers since 1998.
- Maintain source meters for accuracy
- Reservoir Sealing Projects
- Large Meter Testing Program
- Meter Repair/Replacement Program
- Unmetered Water Policy
- Large Customer Water Audit Program

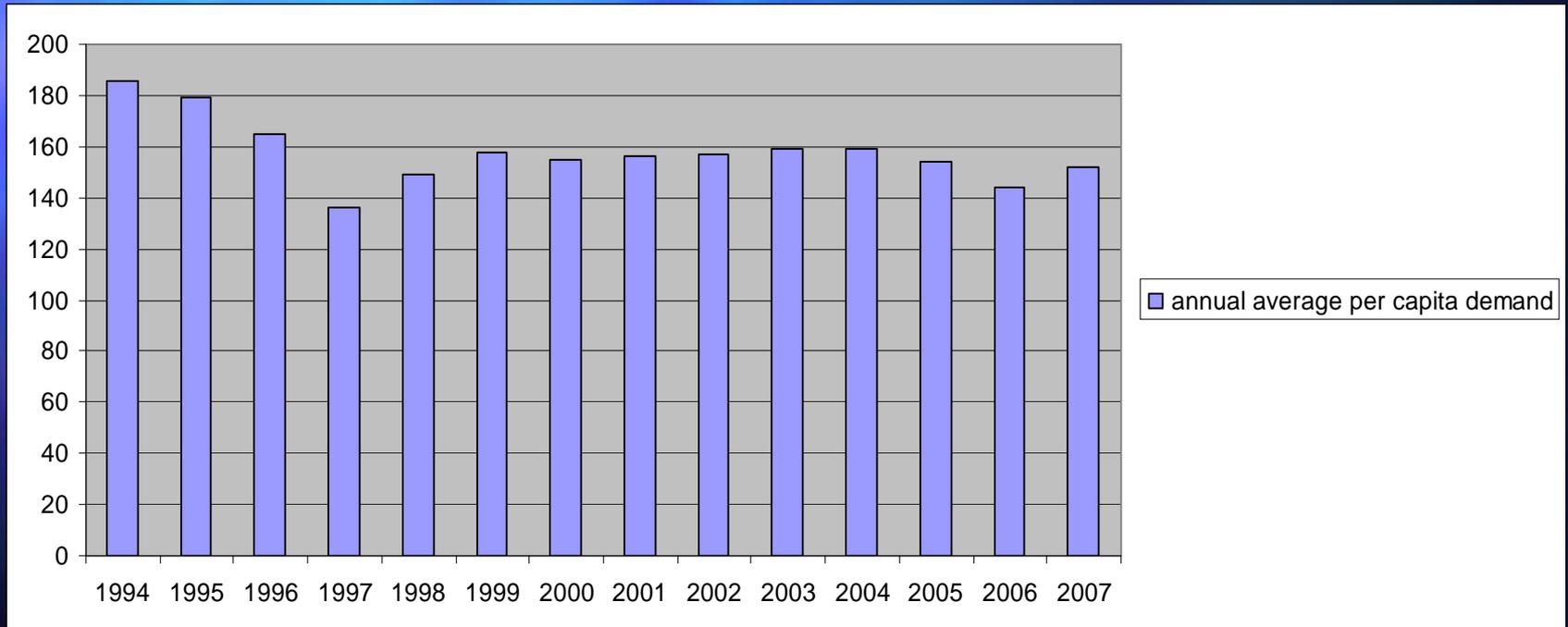
Distribution System Leakage



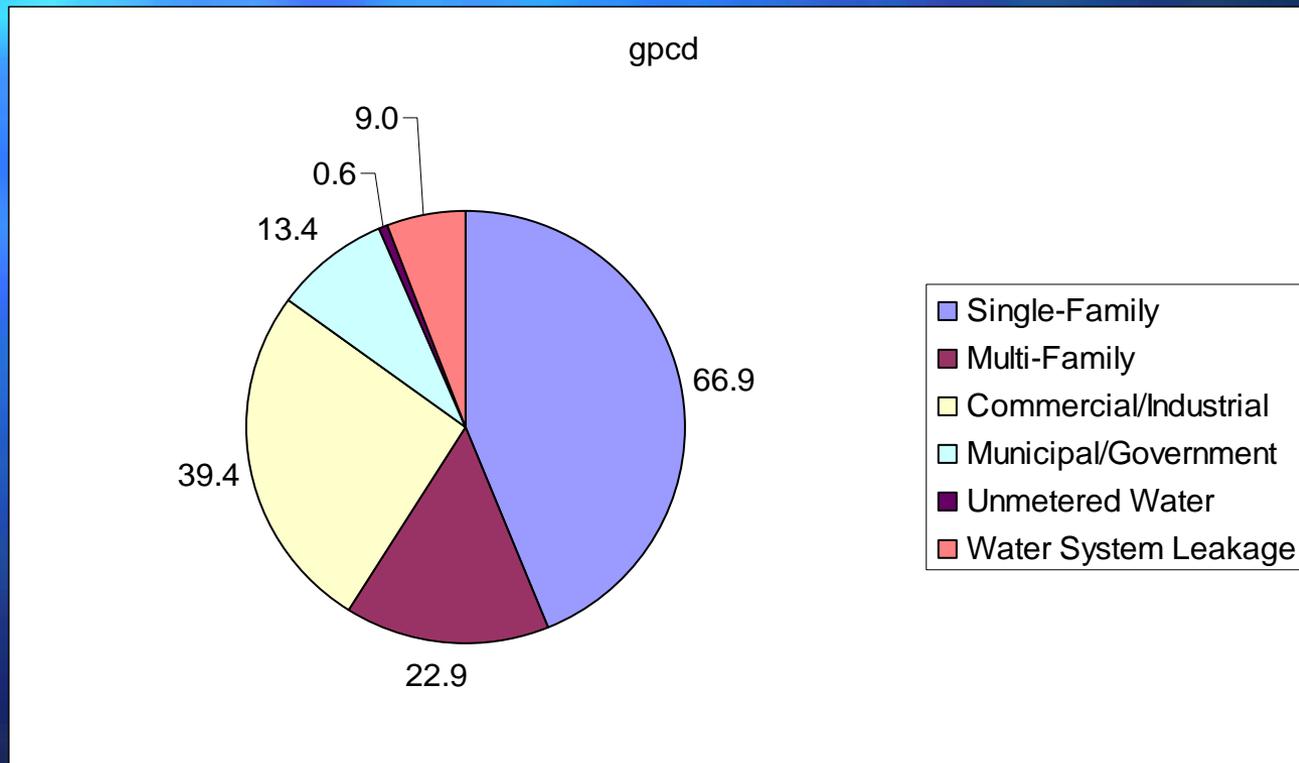
Program Benefits

- Overall system supply increases can be reduced
- Extend life of existing water supply sources
- Reduces quantity of wastewater
- Reduces distribution system pumping costs
- Promotes good stewardship of state's water resources

Annual Average Per Capita Demand



2007 Per Capita Water Demand (152 gpcd)



Annual Average Per Capita Demand

- Has ranged from a high of 186 gpcd in 1994 to a low of 136 gpcd in 1997
- Has averaged 158 gpcd for the period 1994 through 2007

Water Use Efficiency Goal

- Maintain annual average per capita demand below 170 gallons per day.
- This goal will be met by continuing with water conservation efforts that have previously been implemented, conservation efforts required by the Quad-Cities permit, and by expanding measures that have been identified in the water conservation plan.
- Continued growth into areas are not served by an irrigation district will place upward pressure on this goal.

Questions ?
