

Update from TWDB staff Regarding Water Use of Texas Water Utilities, Senate Bill 181

Water Conservation Advisory Council
October 22, 2014 | Kevin Kluge



Senate Bill 181

- Directed TCEQ & TWDB to develop a consistent method to measure water use and GPCD
- Collect water use by sector: Single Family, Multi-Family, Institutional, Commercial, Industrial, & Agricultural
- TWDB Report to Legislature Jan. 1st 2015

DRAFT


WATER USE OF TEXAS WATER UTILITIES

A BIENNIAL REPORT TO THE TEXAS LEGISLATURE,

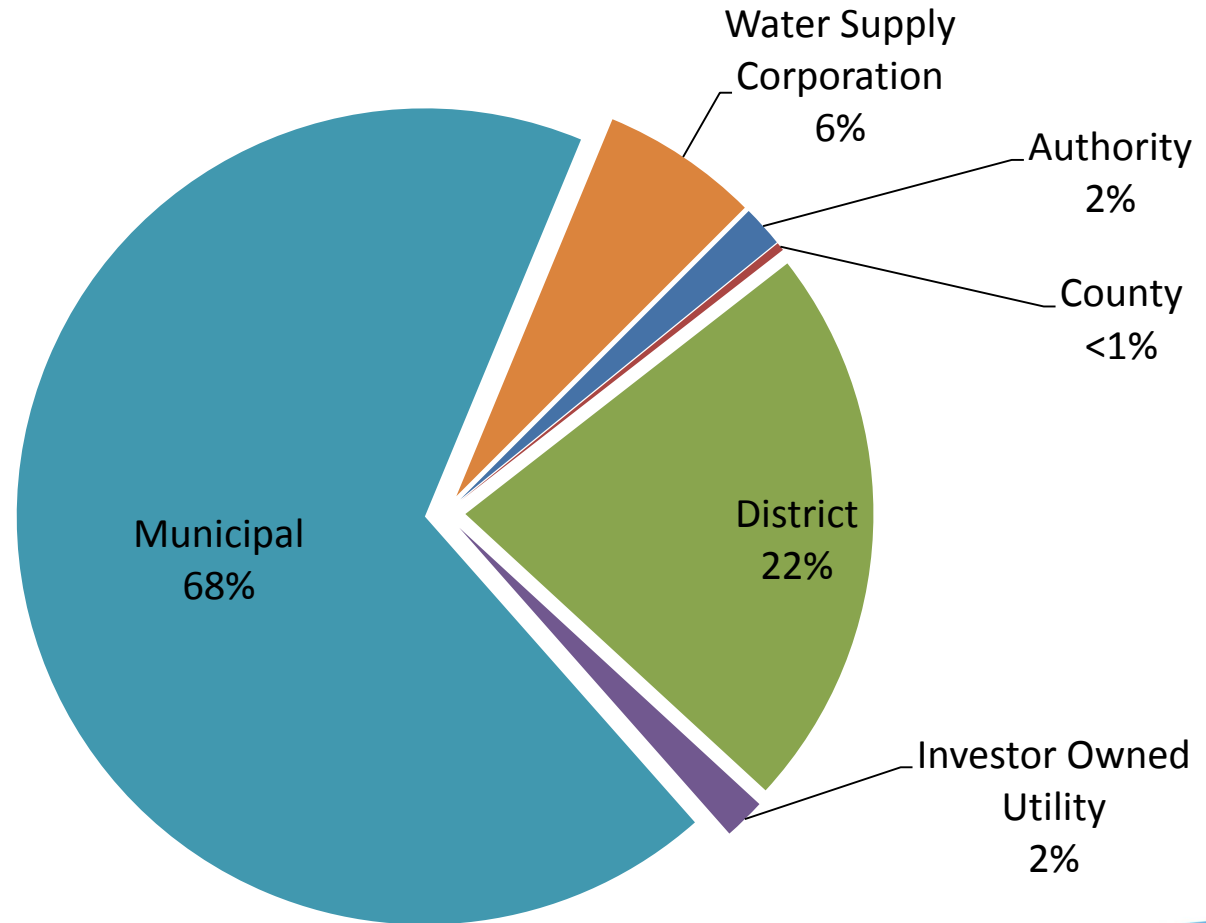
JANUARY 1, 2015



Water Utilities Included In Report

- Size Criteria: 3,300 connections
 - Data Criteria: 90% of Metered Water In Sectors
 - Result: 304 Utilities
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Water Utilities By Ownership Type



DRAFT Reported Water Volumes By Sector

Sector	Volume (acre-feet)
Single Family	1,361,490
Multi-Family	270,729
Institutional	104,864
Commercial	599,310
Industrial	430,402
Agricultural	7,708
Total	2,774,503

Relative To Statewide Water Use Estimates

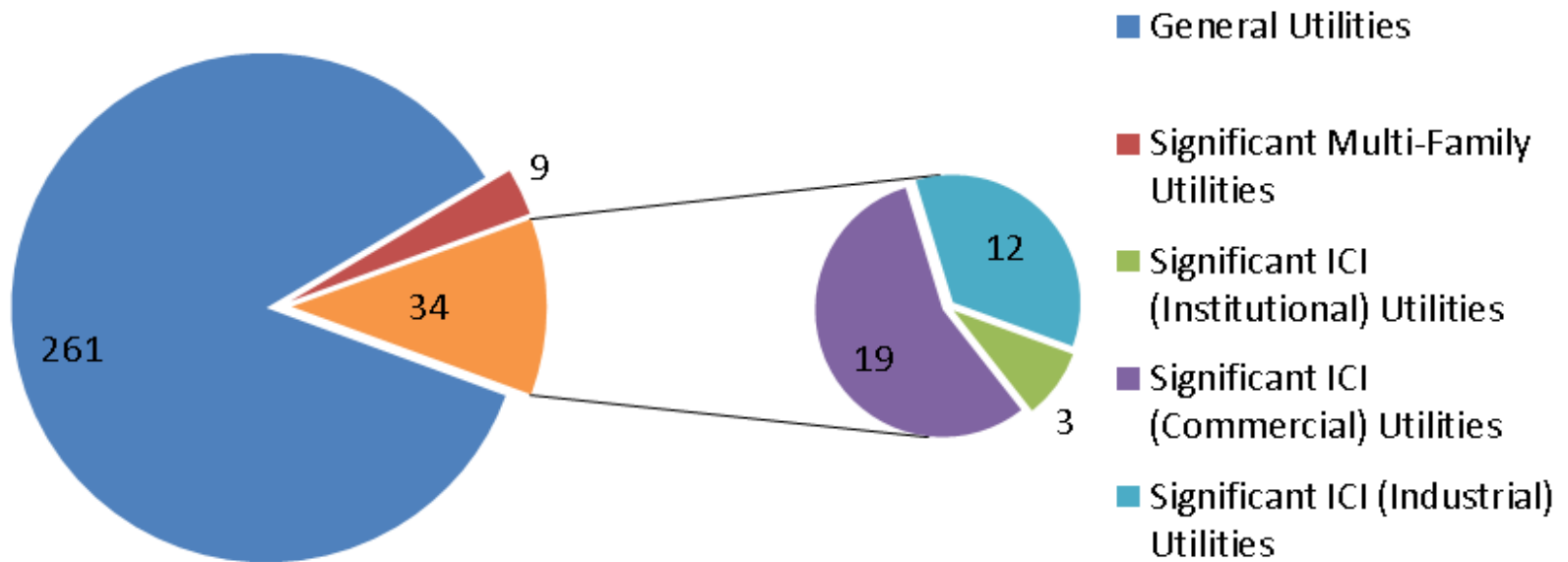
2013 Utility Sector Use (2013)

Sector	Volume (acre-feet)
Single Family	1,361,490
Multi-Family	270,729
Institutional	104,864
Commercial	599,310
Industrial	430,402
Agricultural	7,708
Total	2,774,503

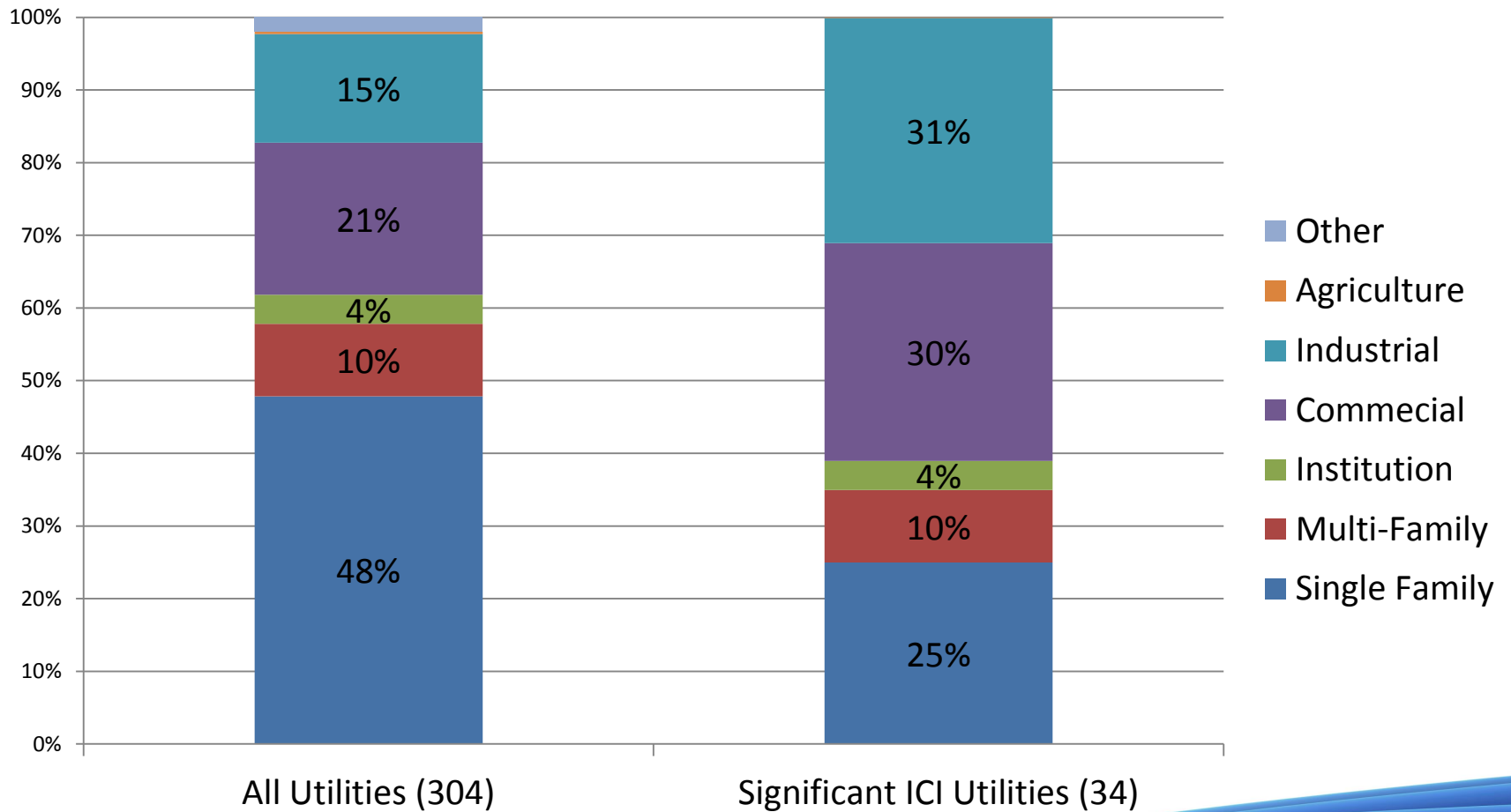
Statewide Water Use Estimates (2012)

Category	Volume (acre-feet)
Municipal	4,470,999
Manufacturing	1,090,041
Mining	165,833
Steam-Electric Power	526,251
Irrigation	9,490,008
Livestock	269,413
Total	16,012,545

Water Utilities With Significant Non-Residential Sectors

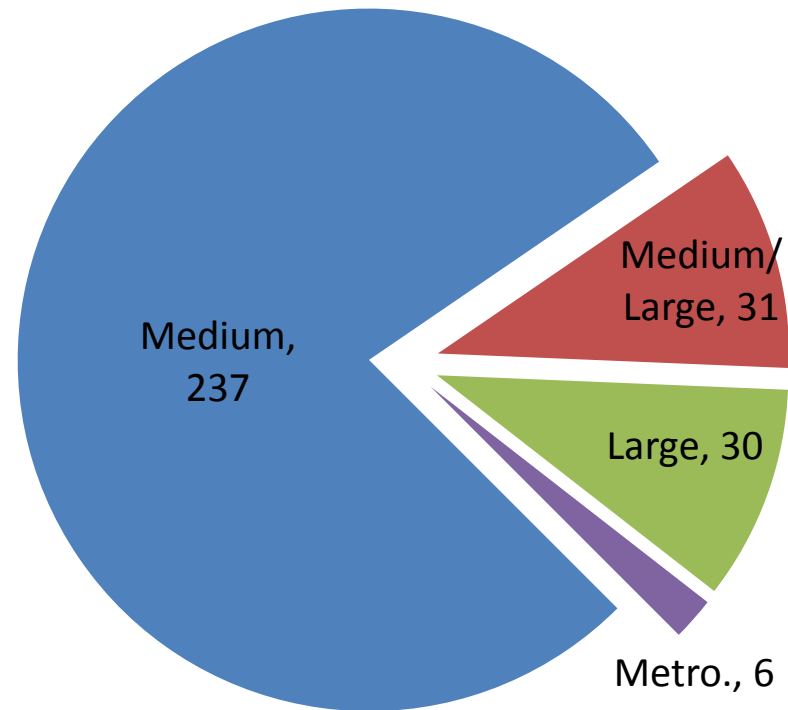


DRAFT Average Water Use Percentage By Sector

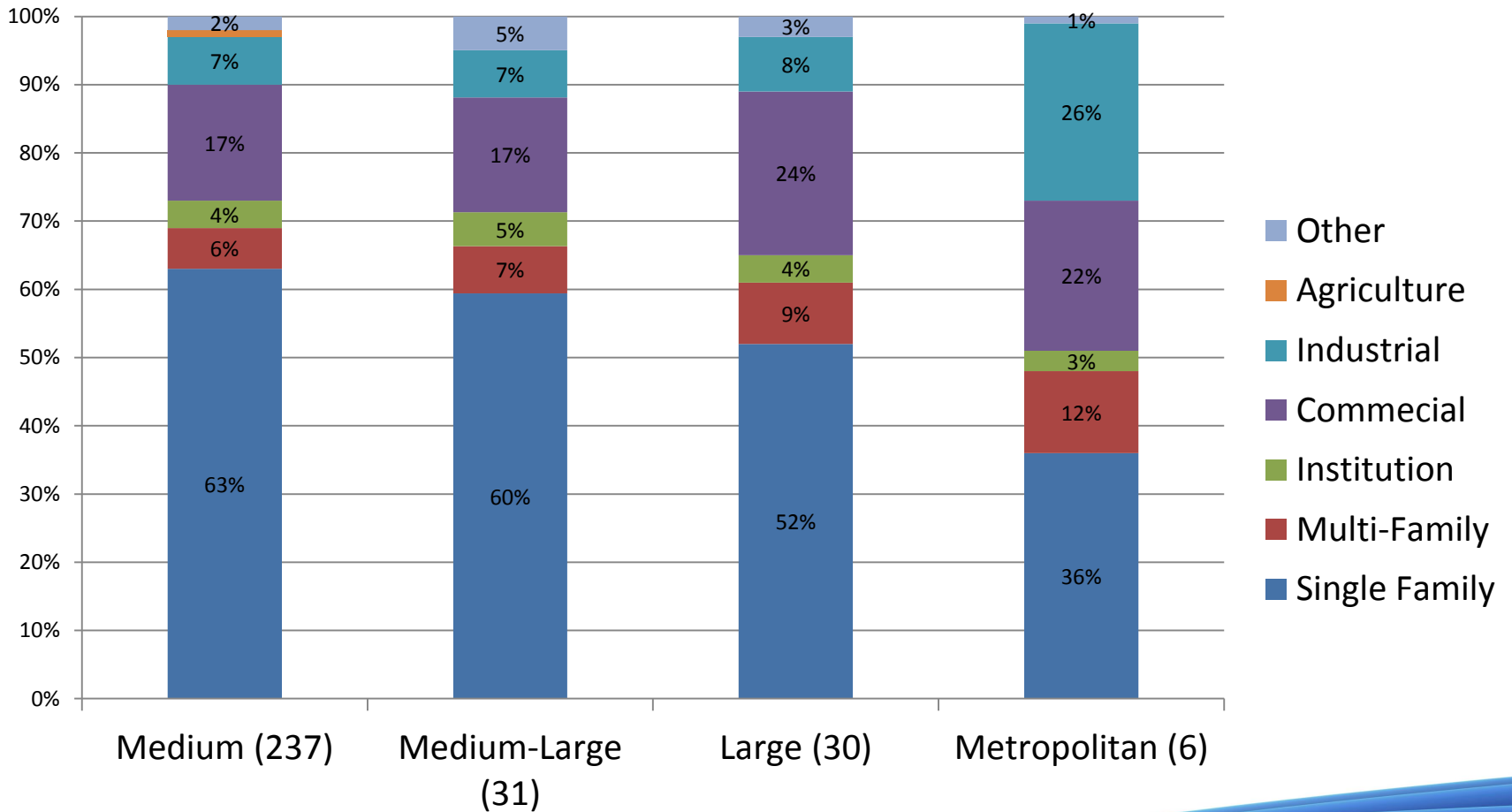


Utility Size Categories

- Medium Water Utilities
- Medium-Large Water Utilities
- Large Water Utilities
- Metropolitan Water Utilities



DRAFT Utility Water Percentages By Utility Size



DRAFT Daily Water Use (Gallon) By Connection

	Single Family Residential	Multi-Family Residential	Institutional	Commercial	Industrial
All Utilities	246	367	2,882	1,310	13,217
Medium (237)	232	264	1,463	791	21,053
Medium-Large (31)	300	233	3,374	1,276	40,663
Large (30)	271	224	3,004	1,377	29,474
Metropolitan (6)	229	689	1,721	6,625	11,126

DRAFT Gallons Per Capita Daily

	Average Total Metered Gallons Per Capita Daily	Average Residential Gallons Per Capita Daily
All Utilities	189	77
Medium Utilities (237)	141	79
Medium-Large Utilities (31)	163	90
Large Utilities (30)	167	85
Metropolitan Utilities (6)	239	69

The End and Just the Beginning

- Report To Legislature Every 2 Years
- Sector-Based Use Is Collected Annually
- More Utilities Are Reporting Water-Use By Sector