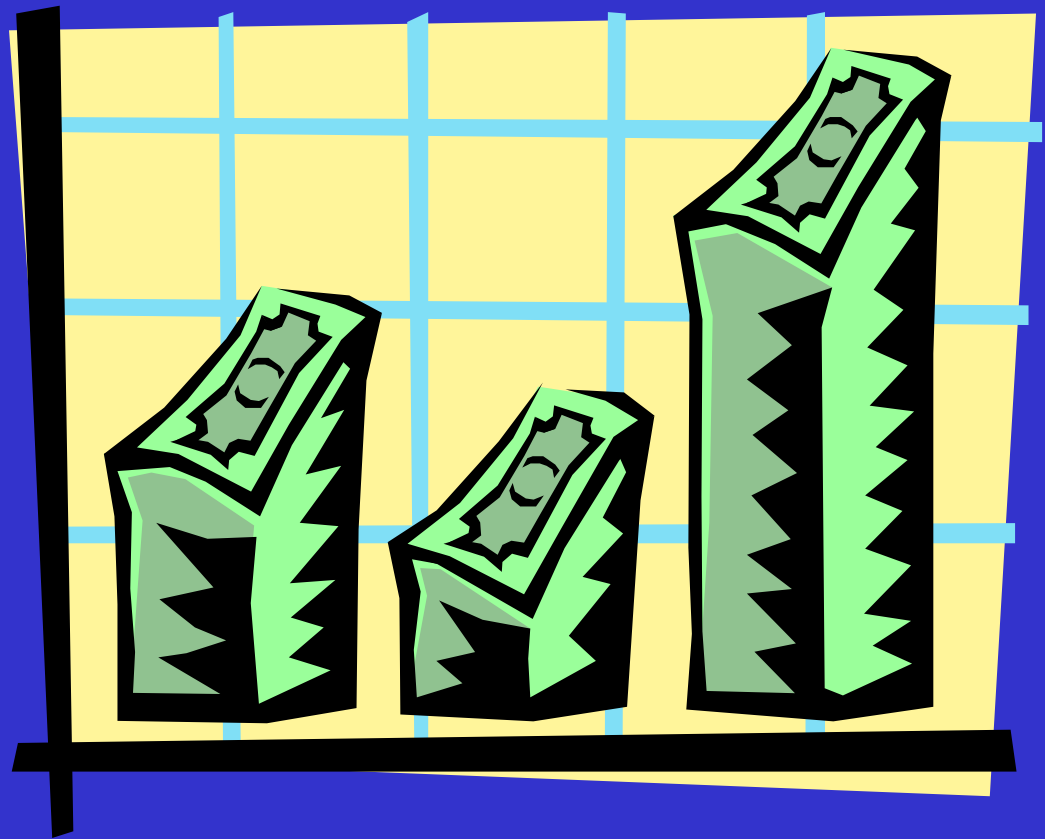


Stormwater Funding 101



Stormwater Funding Options

- Sales tax increase
- Property tax increase
- Stormwater enterprise service fees
- Other

Stormwater Funding Options

Pros and Cons of Sales Tax

- Simple, easy to understand
- Implementation/collection is inexpensive
- Revenue is generated from visitors

- Least equitable of alternatives
- Least dependable from year to year

Stormwater Funding Options

Pros and Cons of Property Tax

- Simple, easy to understand
- Implementation/collection is inexpensive
- Dependable from year to year

- Less equitable than service fee (but more than sales tax)
- Tax exempt properties would not contribute

Stormwater Funding Options

Pros and Cons of Service Fees

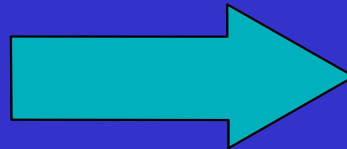
- Most equitable
- Most dependable
- Not subject to TABOR
- Tax exempt properties also pay
- Implementation/collection most expensive

Stormwater Funding Options

- Today is overview focusing on enterprise
- In later meetings we can provide more detail on legal issues (e.g., TABOR) and tax vs. fee levels

Stormwater Enterprise Concepts

Stormwater User Fees Should Fairly
Allocate the Cost of Service To Each
Customer



Stormwater Enterprise Concepts

The Utility is designed to charge customers for managing the stormwater leaving their property

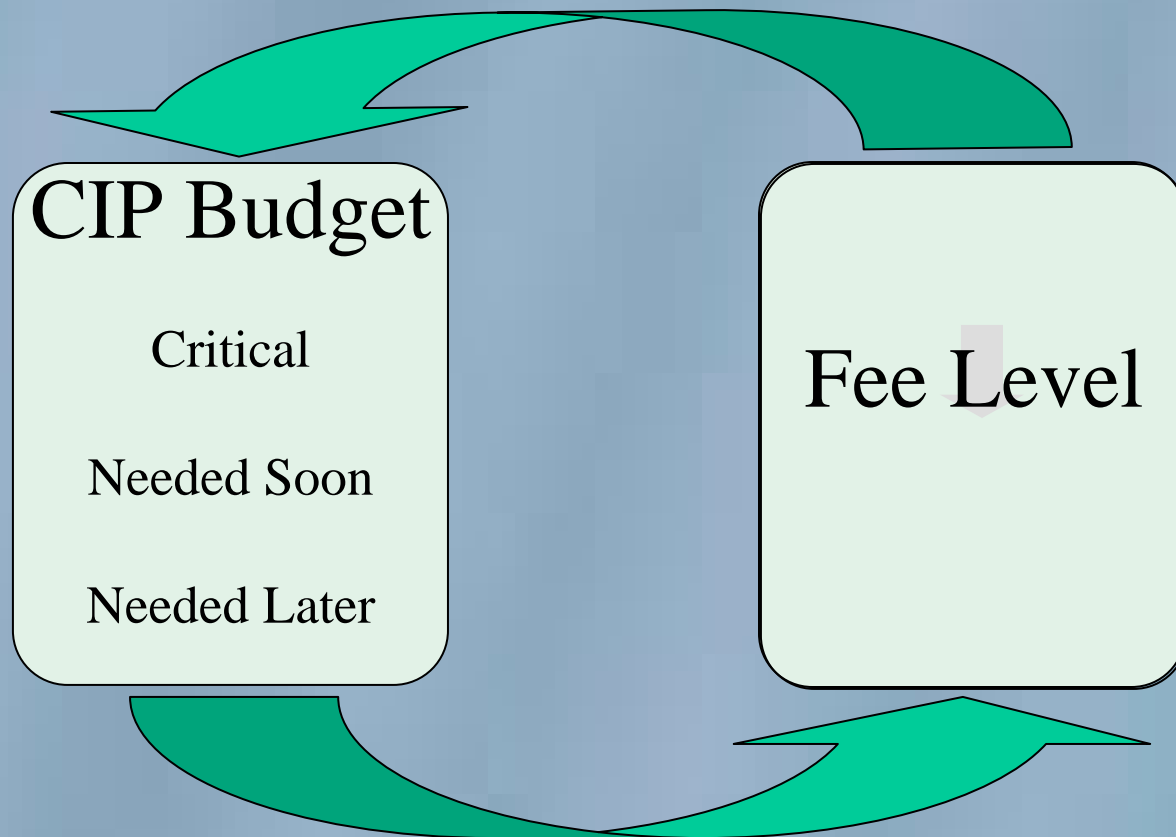


The amount of stormwater leaving the property is related to the impervious surfaces on the property



URS

Balancing Potential Revenue with Funding Needs





Summary of Stormwater Enterprises in Colorado and the Nation





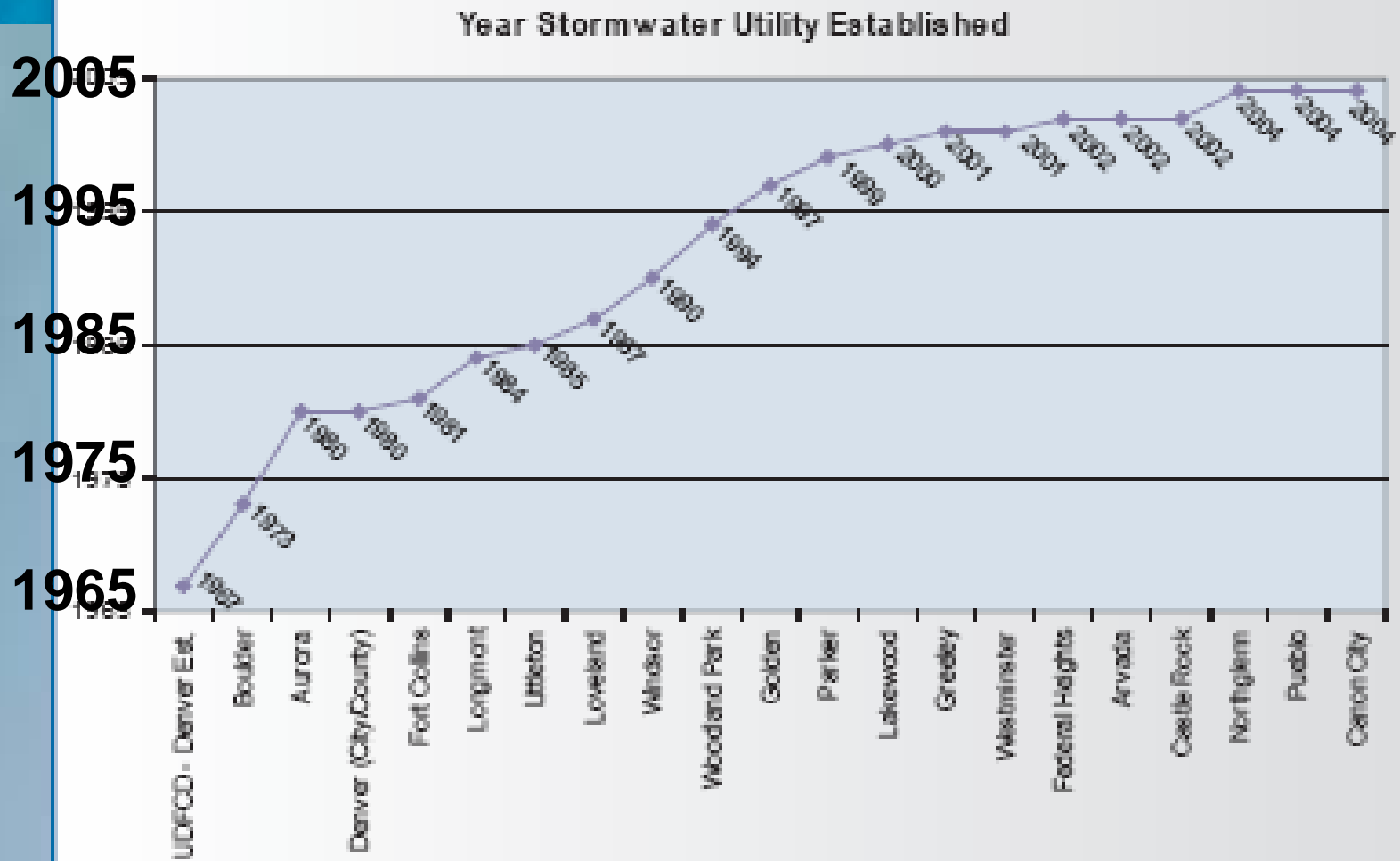
2004 Colorado
Stormwater
Program
& Funding Survey

August 2004



URS

Colorado Stormwater Enterprise Formation



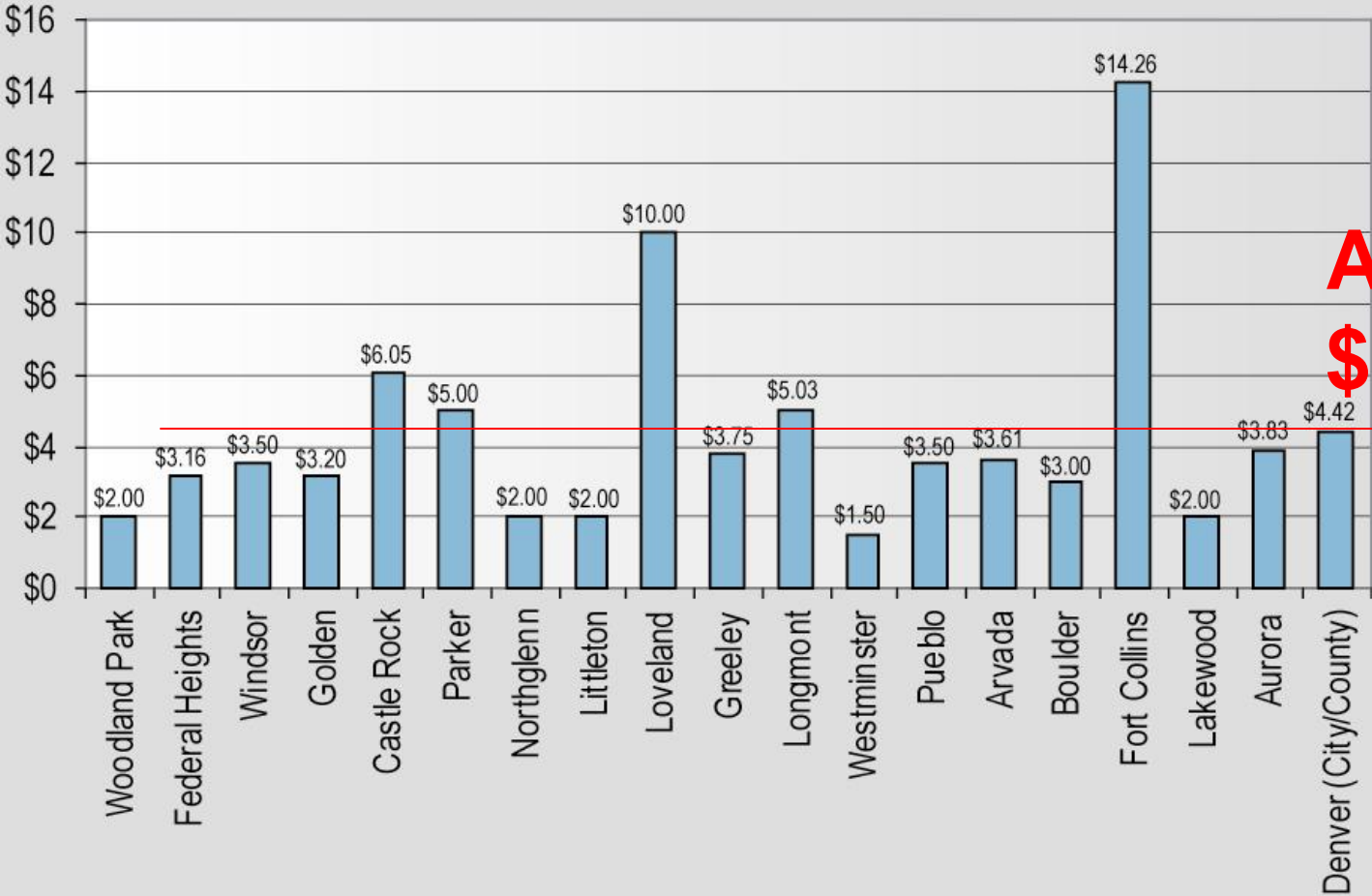


22 Established Stormwater Enterprises in Colorado

- **Arvada**
 - **Aurora**
 - **Berthoud**
 - **Boulder**
 - **Canon City in process**
 - **Castle Rock**
 - **Denver**
 - **Englewood**
 - **Erie**
 - **Federal Heights**
 - **Fort Collins**
 - **Golden**
 - **Greeley**
 - **Lakewood**
 - **Littleton**
 - **Longmont**
 - **Loveland**
 - **Northglenn**
 - **Parker**
 - **Pueblo**
 - **Westminster**
 - **Windsor**
 - **Woodland Park**
- 

Colorado Residential Fees

Average Monthly Single Family Residential Fee



**Average
\$4.43**


Municipalities in Order of Increasing Population



Eleven Enterprises are Outside of Denver UDFCD (in yellow)

- Arvada
- Aurora
- **Berthoud**
- Boulder
- **Canon City in process**
- **Castle Rock**
- Denver
- Englewood
- Erie
- Federal Heights
- **Fort Collins**
- Golden
- **Greeley**
- Lakewood
- Littleton
- **Longmont**
- **Loveland**
- Northglenn
- Parker
- **Pueblo**
- Westminster
- **Windsor**
- **Woodland Park**

Enterprises in black are within UDFCD and receive additional funding – and have lower average fees





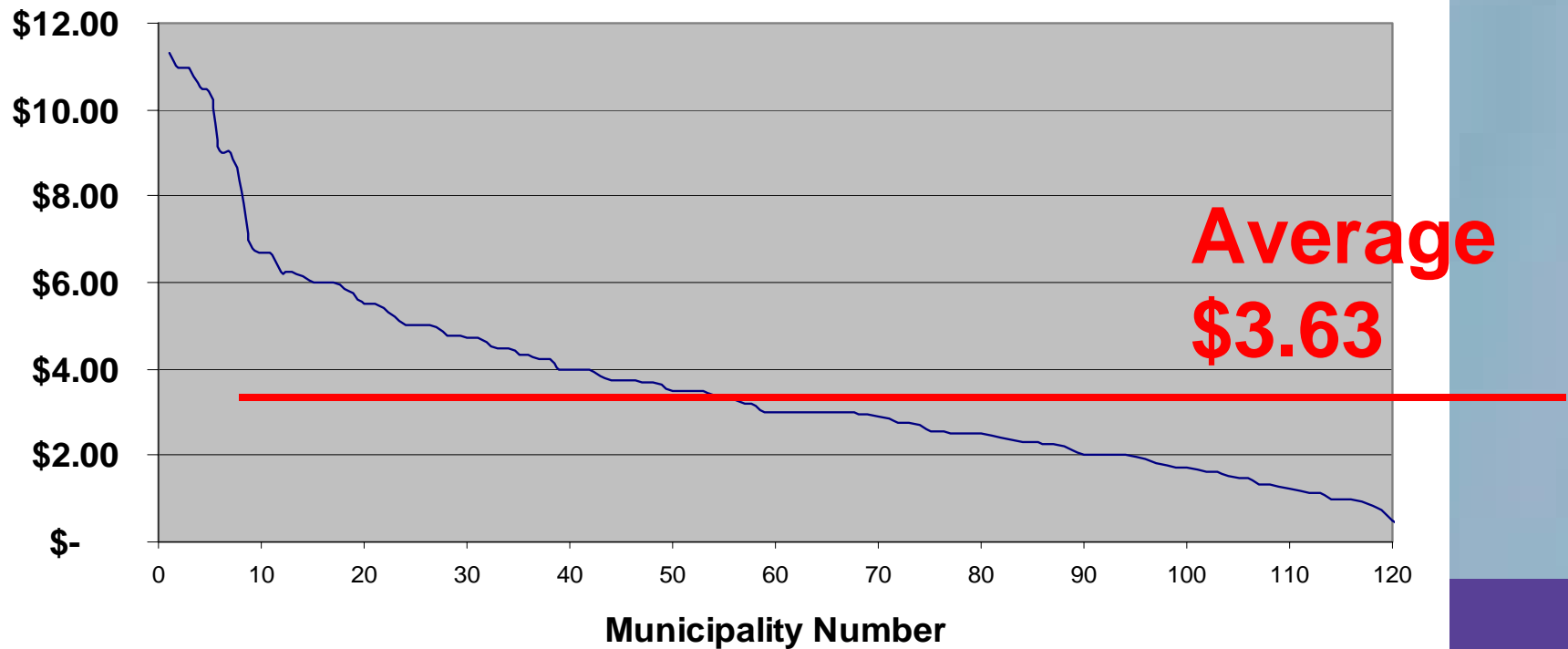
Average Monthly Residential Fees in Colorado

- \$6.01 Colorado Average Outside Denver Urban Drainage and Flood Control District
- \$3.06 Colorado Average within Denver Urban Drainage and Flood Control District

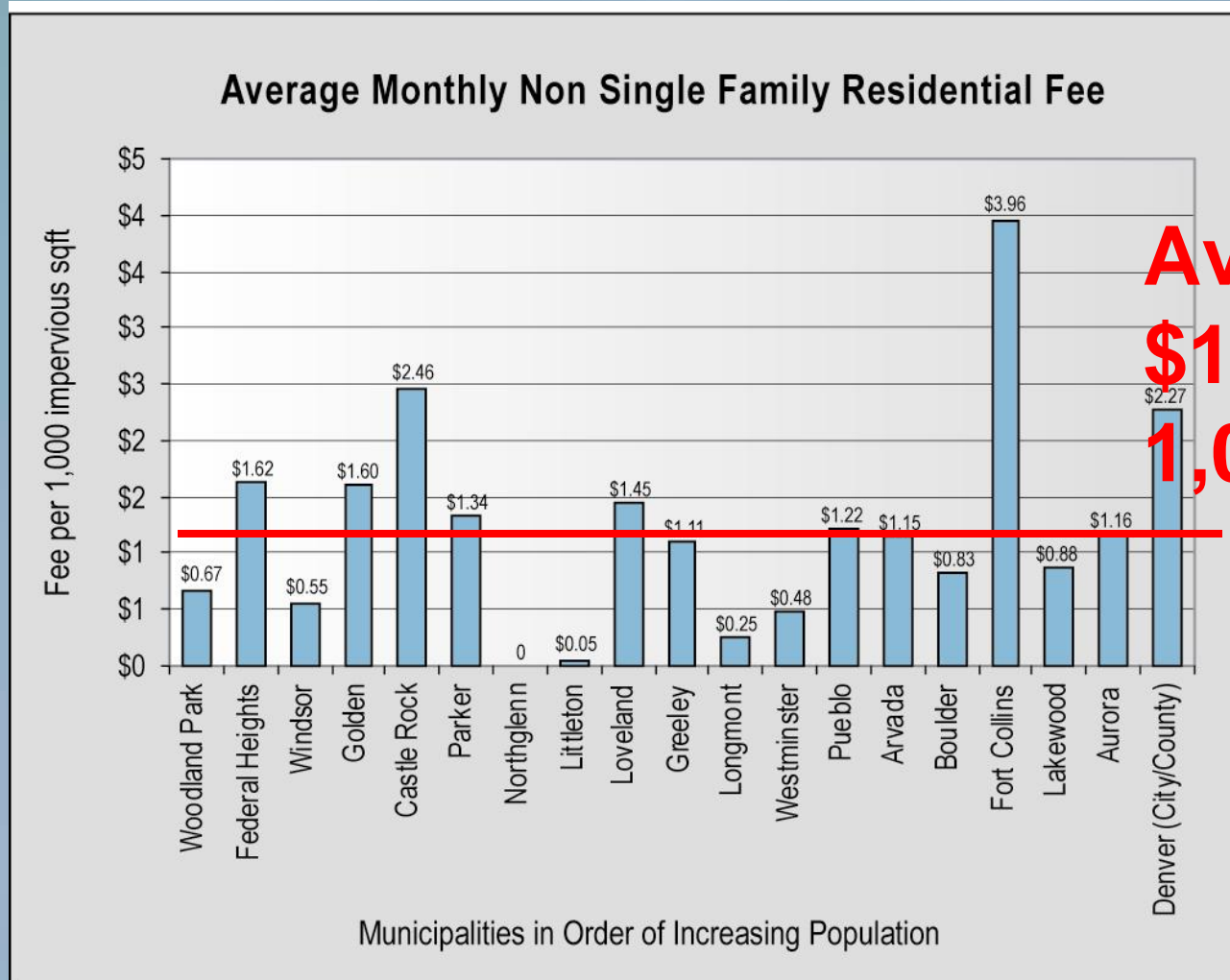


Average Monthly Residential Fees in the Nation

**National Survey of Stormwater Utilities
Monthly Residential Fees**
Black & Veatch 2002



Colorado Non-Residential Average Monthly Fees

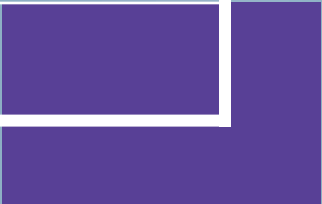


**Average
\$1.30 per
1,000 sq. ft.**



Approximate Fee Levels for Selected **Commercial Sites**


Site	Estimated Monthly Fee as Multiple of Residential Fee
Gas Station	5 X
Fast Food	6 X
Convenience Store	7 X
Retail Store	10 X
Large “Big Box” Retail	150 X





Approximate Fee Levels for Selected **Tax Exempt Sites**

Site	Estimated Monthly Fee as Multiple of Residential Fee
Fire Station	3 X
Health Care Facility (Charitable)	10 X
Church	15 X
Community College	20 X





How do Colorado Enterprises Spend Their Revenues?

- Capital Projects 5% to 90%
 - Maintenance 5% to 30%
 - NPDES/ Water Quality 5% to 30%
 - Basin Studies 5% to 30%
- 




Obstacles & Advice From Survey Participants

- **Common Obstacles**

- **Public acceptance**
- **Fee calculation**
- **Billing**
- **Data**

- **Advice**

- **Get support from public**
 - **Gain stakeholder and elected official acceptance**
 - **Develop formal appeals process**
 - **Develop an equitable fee structure**
- 



Other Lessons Learned

Past URS projects, literature, other sources

- *Stormwater* magazine – Davenport, Iowa
 - Do public involvement correctly
 - Convince stakeholders of necessity of O&M and NPDES as well as construction projects
- Woodland Park
 - Set fee at appropriate level from beginning

