



Georgia's  
**State Water Plan**

*Preliminary Forecast Results*



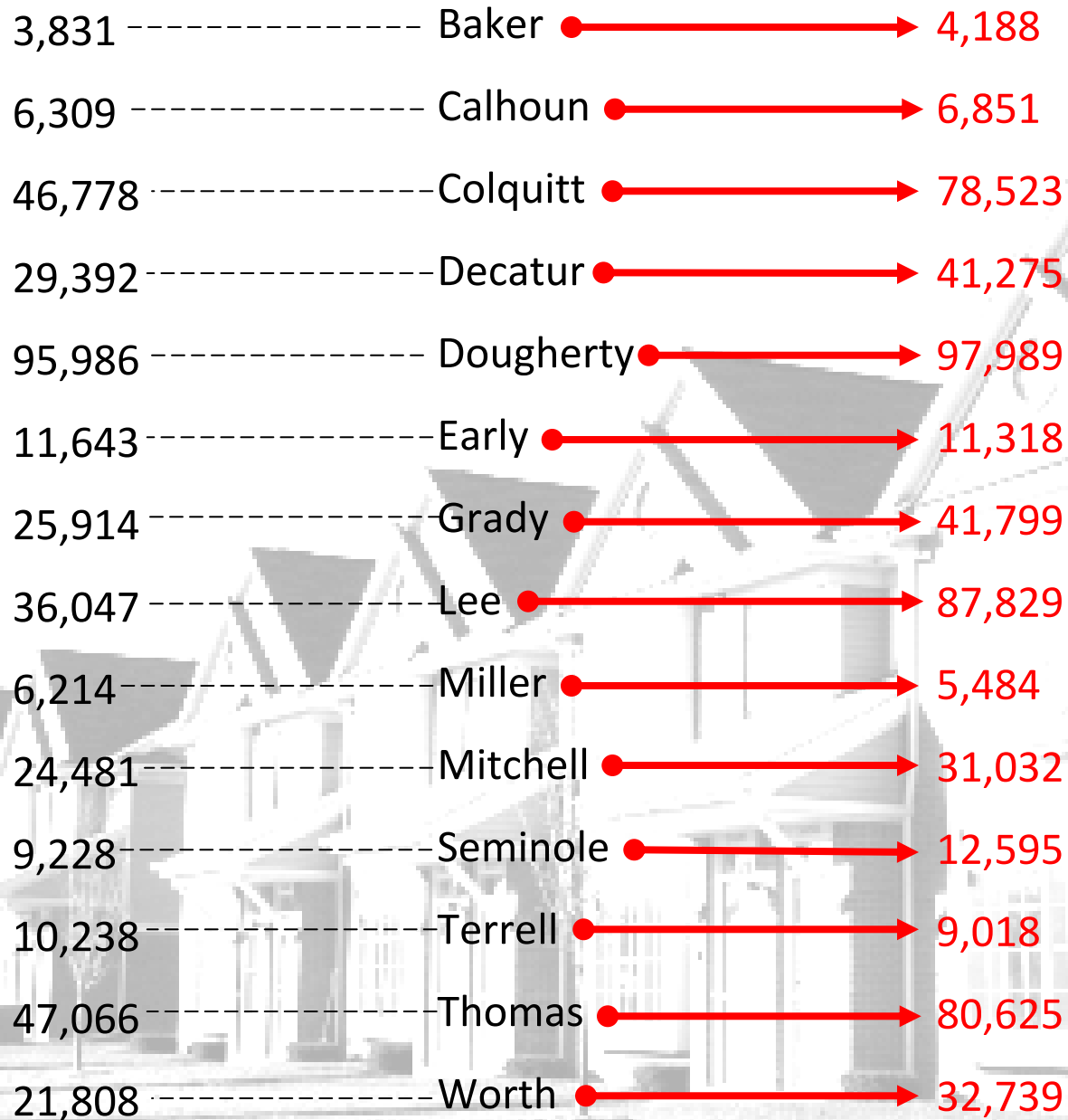






# 2010 population

# 2050 population

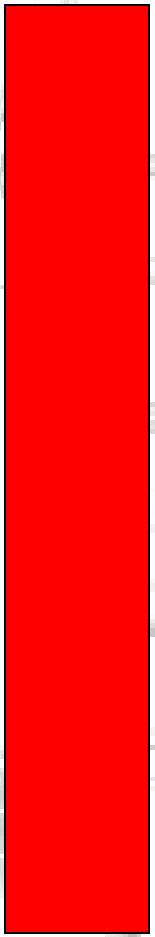
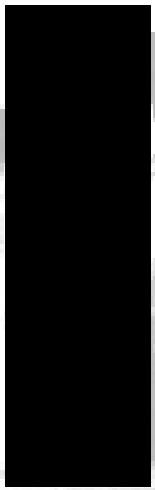
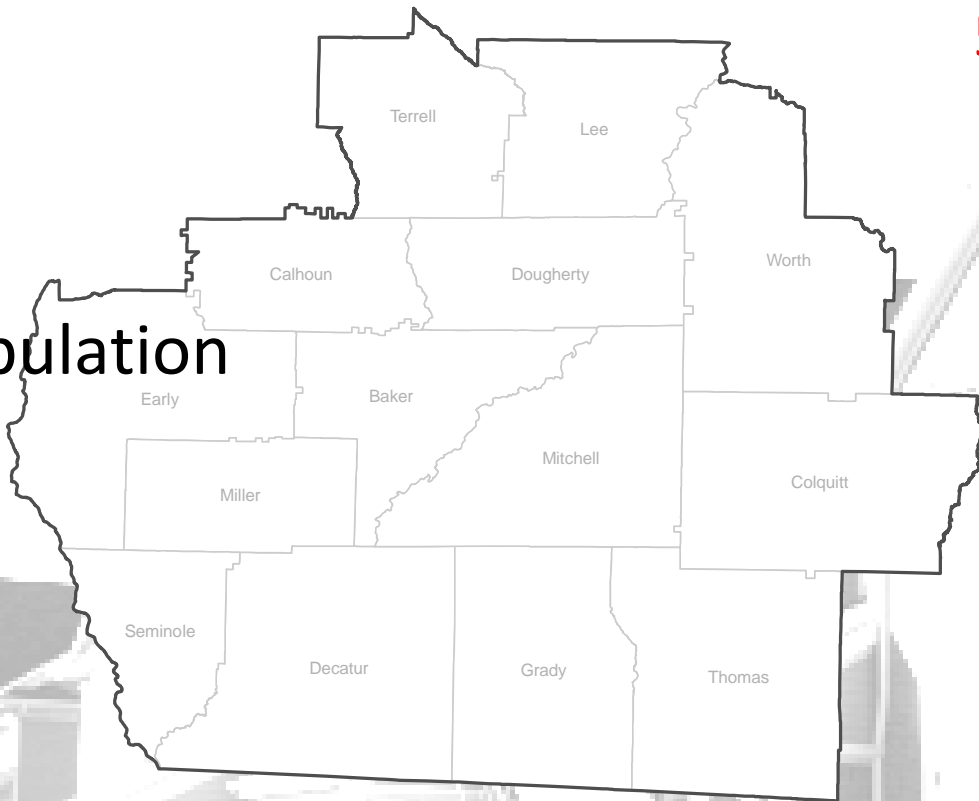


**2050 total population**

541,265

**2010 total population**

374,935

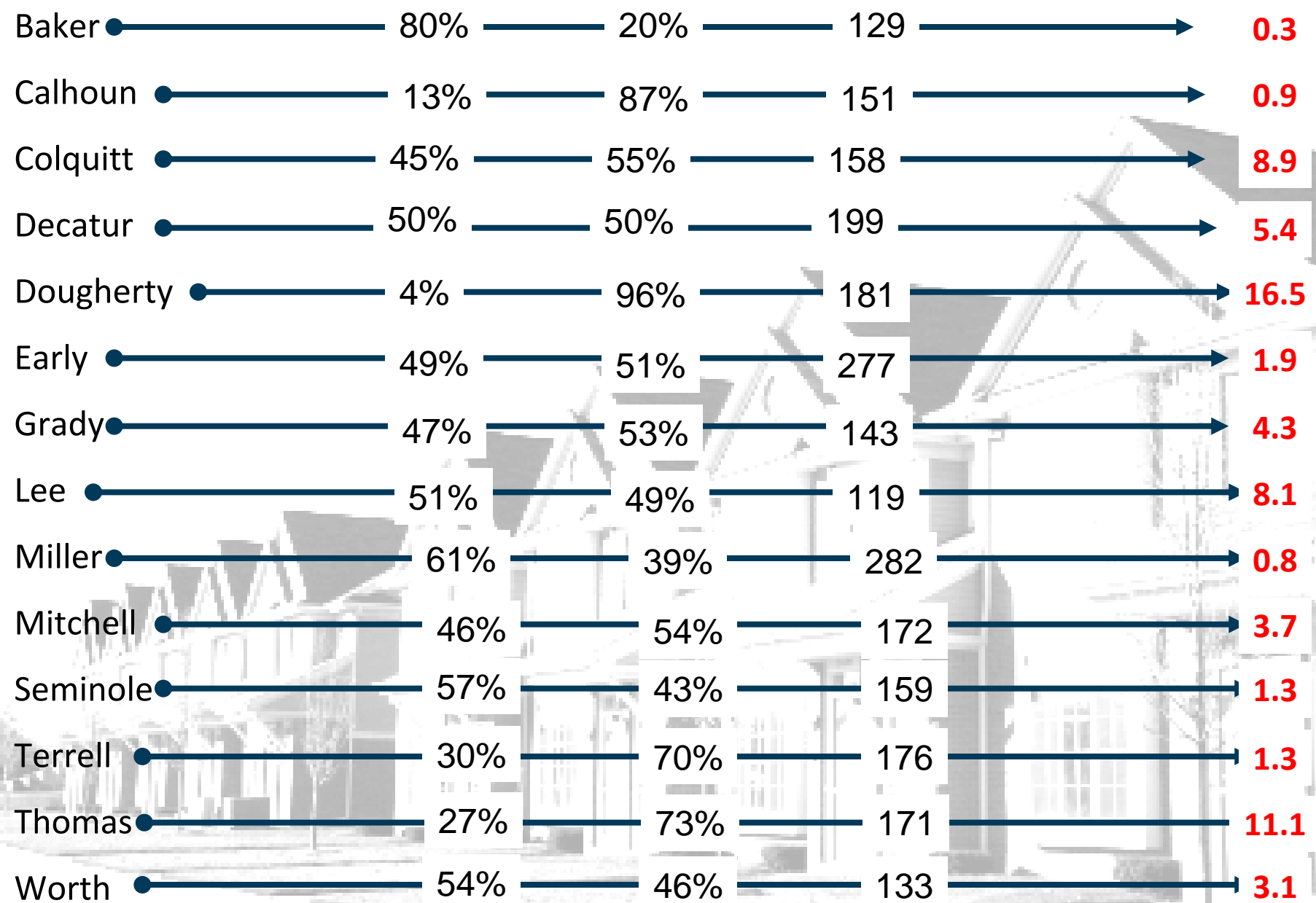


Self-Supplied




Municipal

Gallons per Capita

2050 Water Demand, MGD



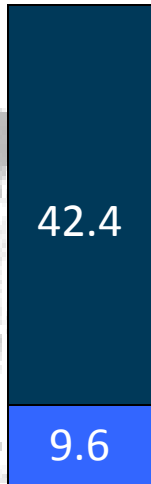


-  municipal demand
-  self-supply demand
-  plumbing code based water savings

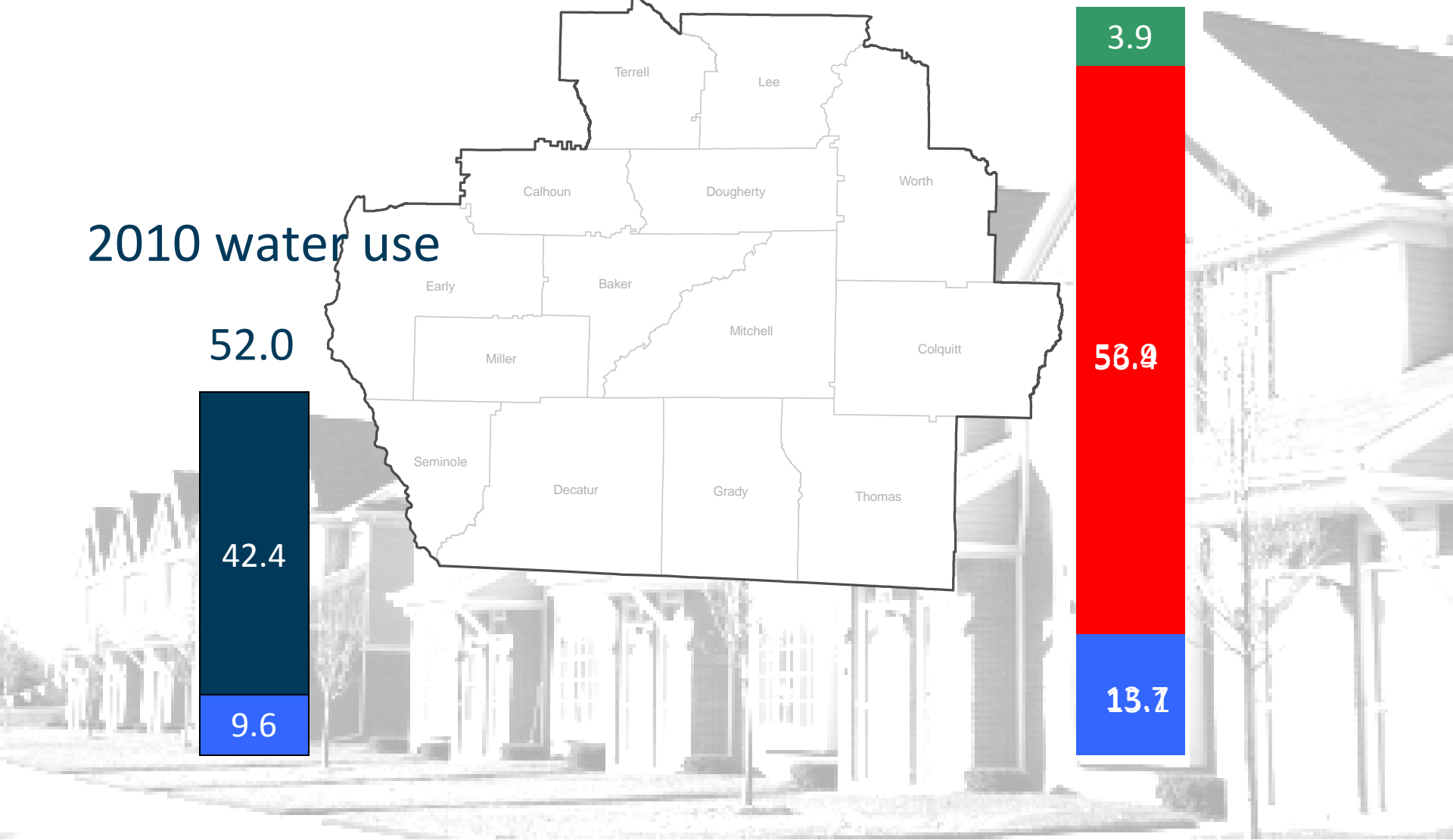
# 2050 water use

## 2010 water use

52.0



71.5

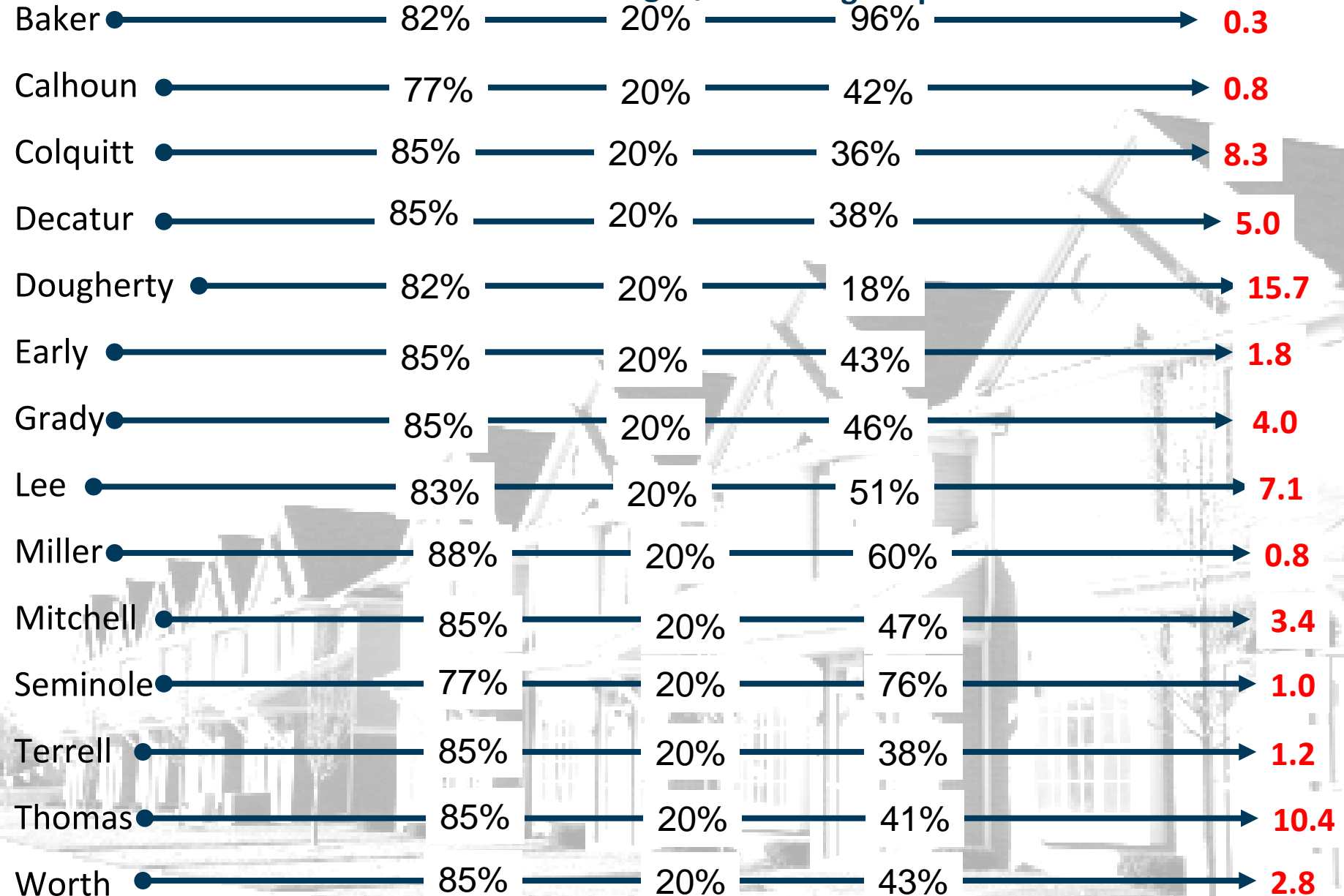




$$\text{Total Wastewater Generation} = \text{Projected Municipal Water Use} \times \text{Percent Average Indoor Water Use} \times (1 + \% I/I)$$



2050 WW generation, MGD

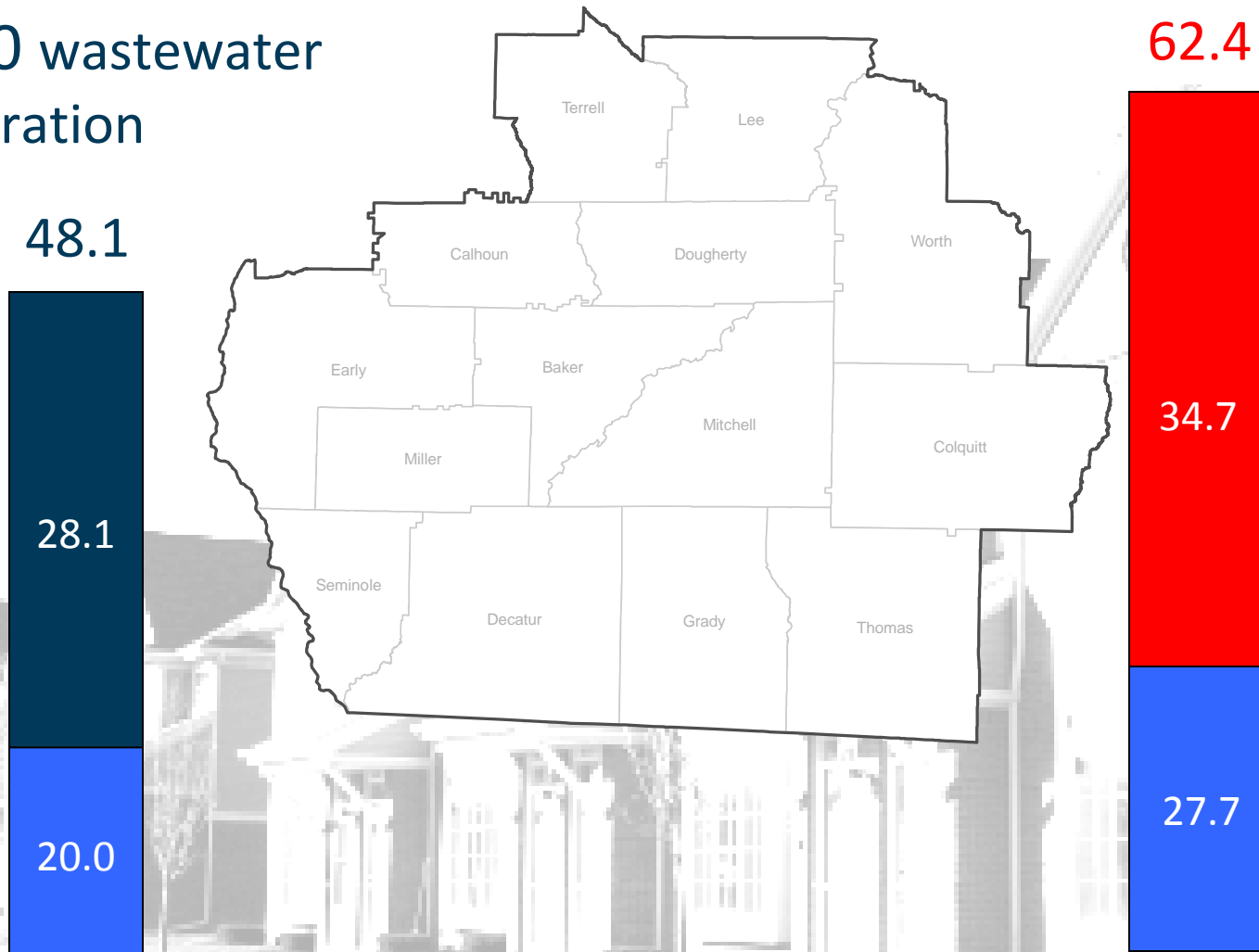
Indoor Water Use Average I/I Average Septic



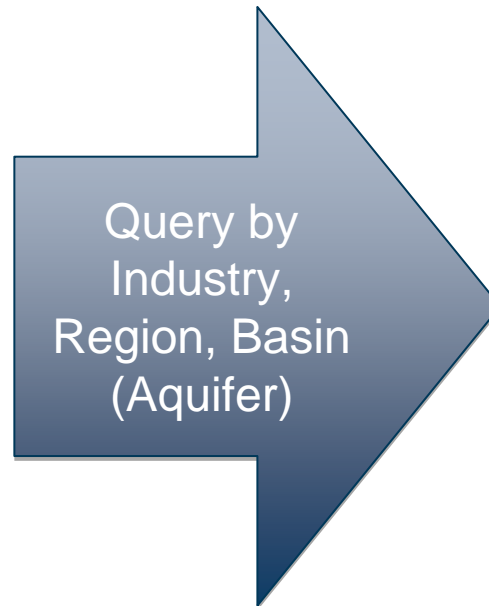
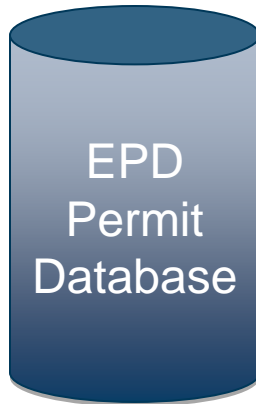
-  centralized disposal
-  septic disposal

## 2050 wastewater generation

## 2010 wastewater generation

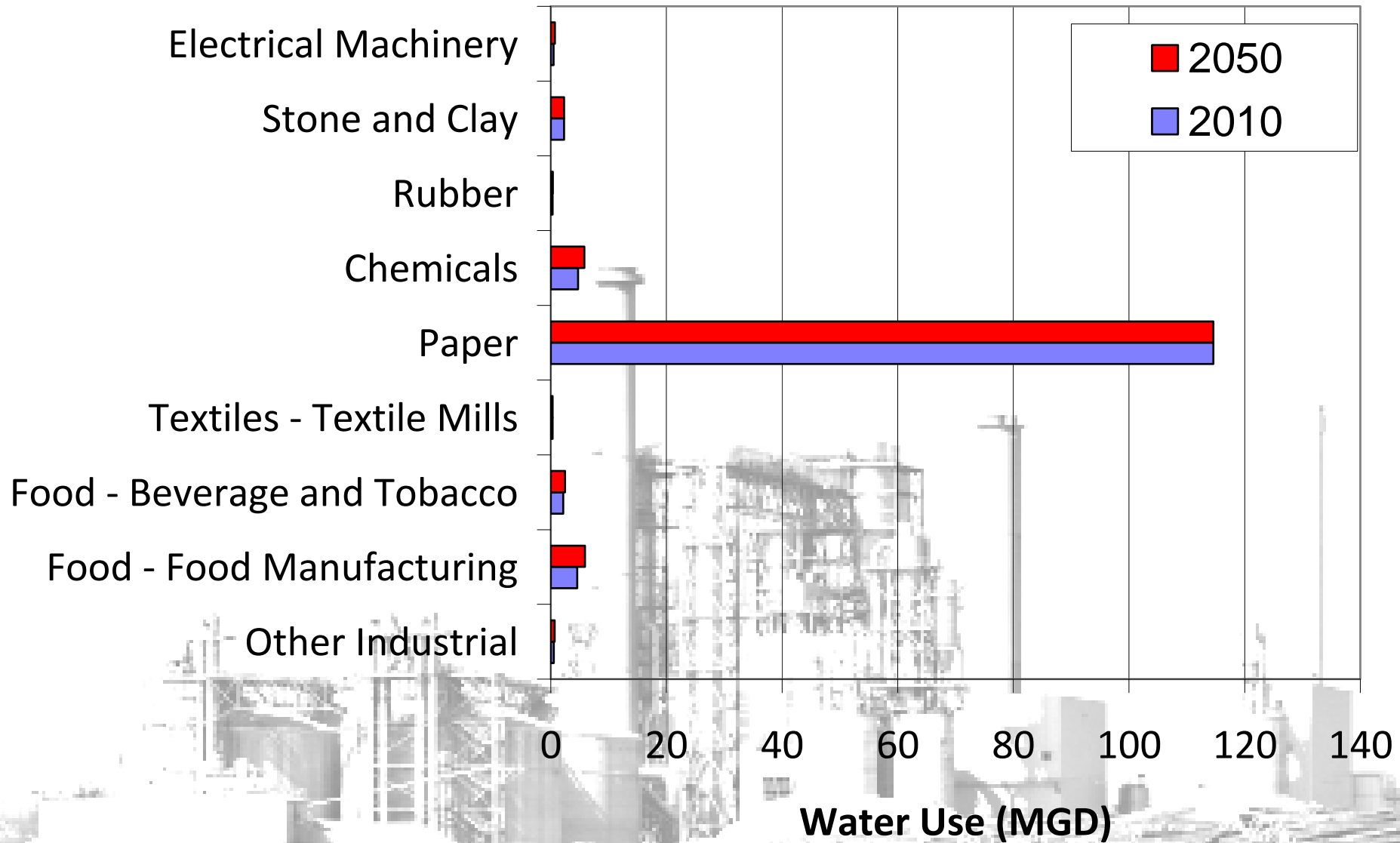




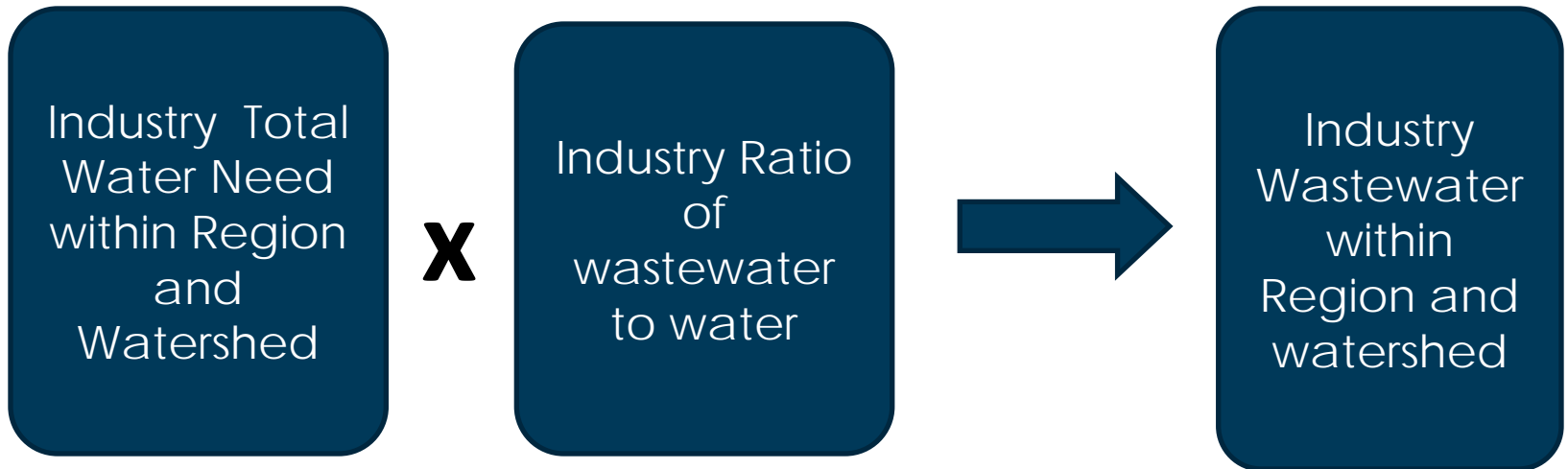


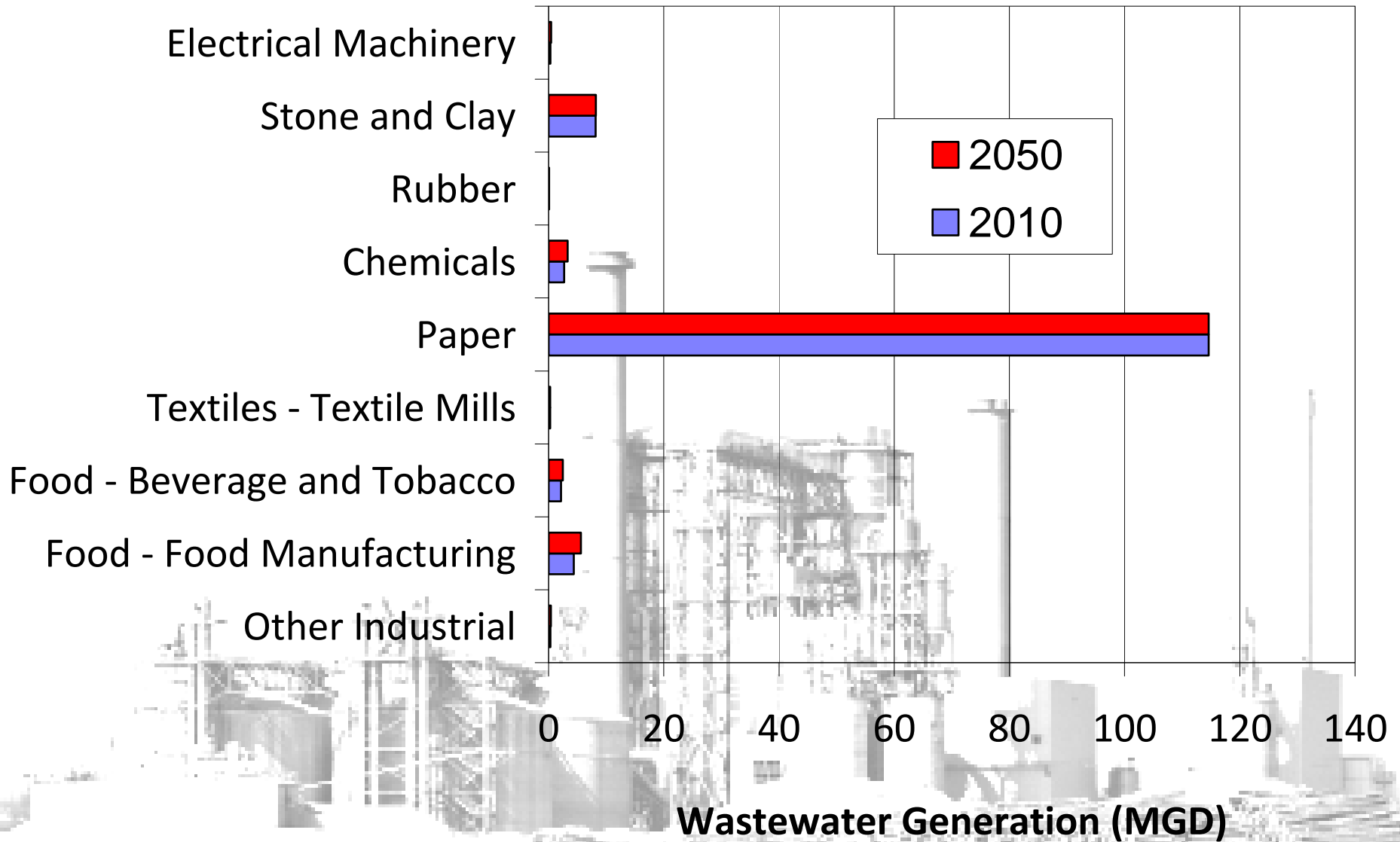
# employment by category

Industry	2010	2050
Other Industrial	135,717	171,428
Mining	598	602
Food - Food Manufacturing	6,361	8,182
Food - Beverage and Tobacco	676	770
Textiles - Textile Mills	496	0
Textiles - Textile Product Mills	103	239
Apparel	618	0
Paper	2,056	2,543
Petroleum	47	53
Chemicals	549	678
Rubber	1,765	2,078
Stone and Clay	323	375
Primary Metals	85	64
Fabricated Metal Products	1,489	1,734
Electrical Machinery	223	323
Automotive Manufacturing	839	1,109



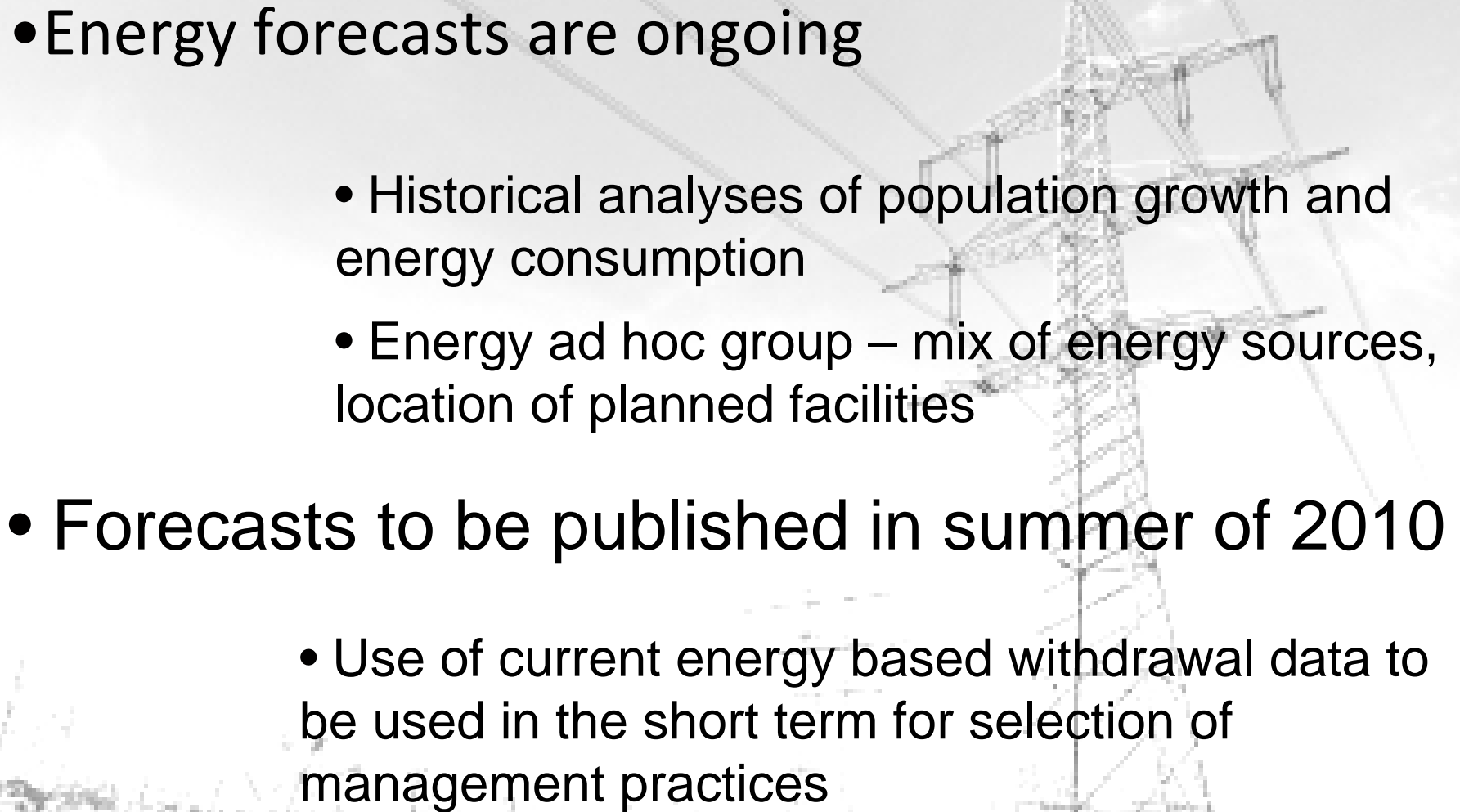






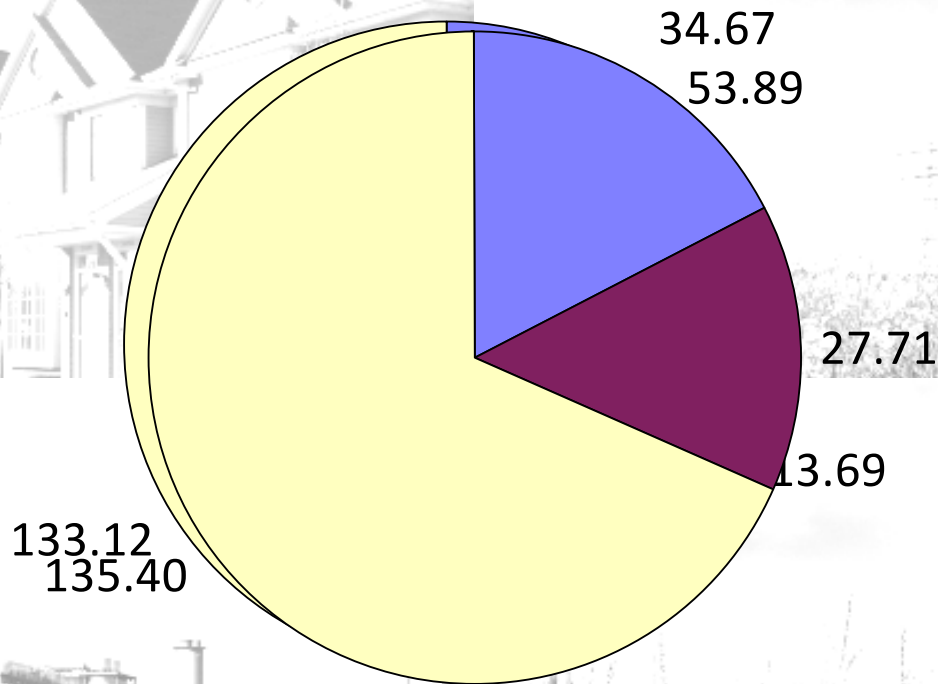




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- Energy forecasts are ongoing
    - Historical analyses of population growth and energy consumption
    - Energy ad hoc group – mix of energy sources, location of planned facilities
  - Forecasts to be published in summer of 2010
    - Use of current energy based withdrawal data to be used in the short term for selection of management practices



# 2050 Wastewater Generation (MGD) 2050 Water Use (MGD)



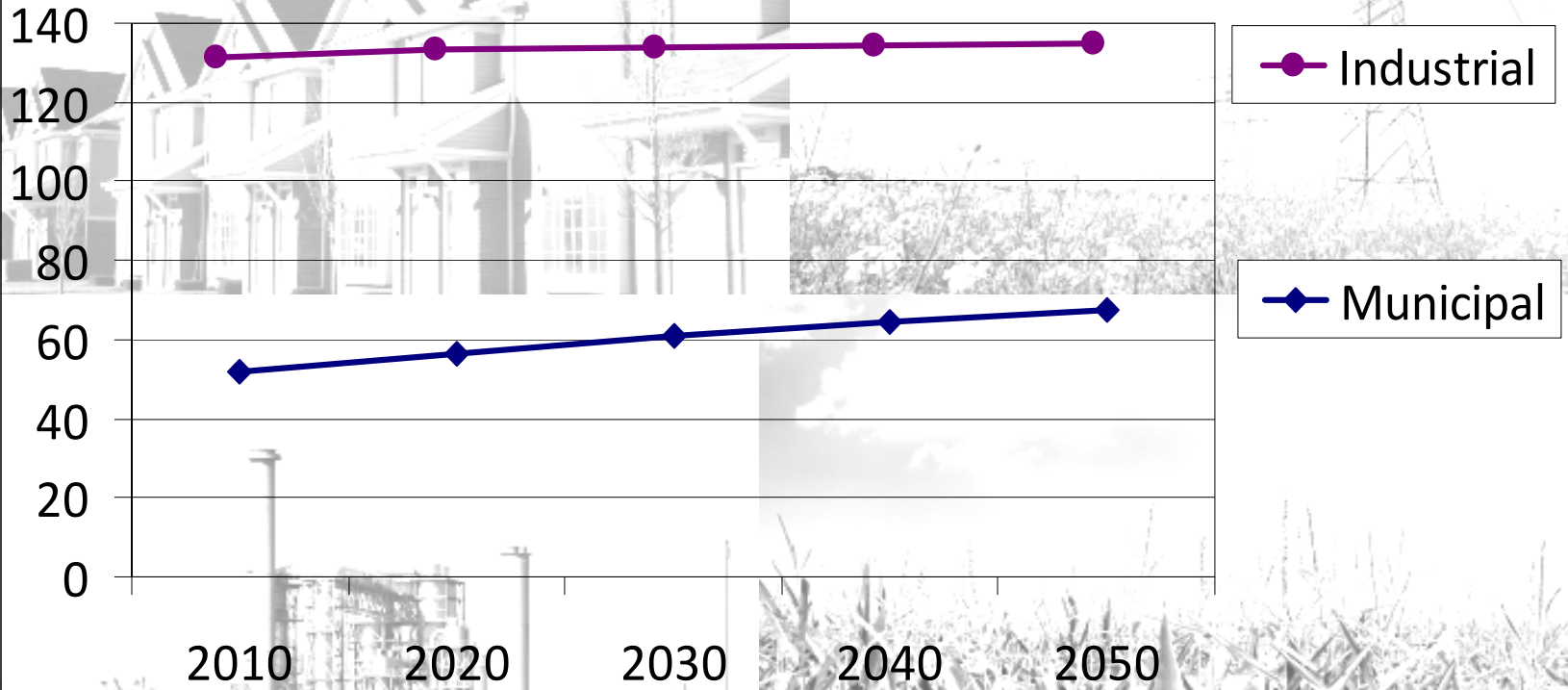
■ Municipal - Centralized

■ Municipal - Septic

■ Industrial

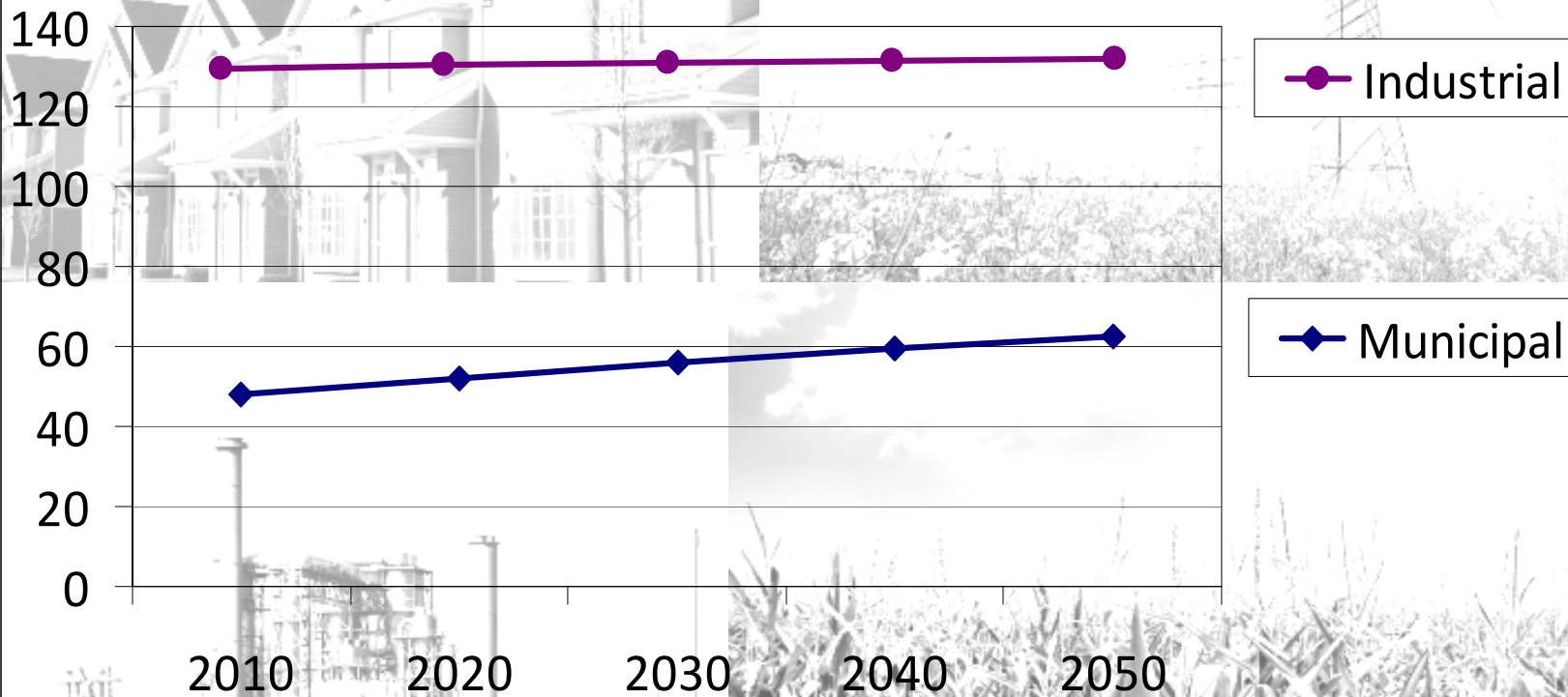
**TOTAL = 197.8 MGD**

## Water Use (MGD)





## Wastewater Generation (MGD)





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**State Water Plan**

*Preliminary Forecast  
Results*