



**ZWAC
Construction &
Demolition
Recycling
Committee
Dec. 13, 2016**

AGENDA

1. Call to Order: Introductions
2. Citizen Communication
3. Approval of Minutes
4. New Business
 - a. Deconstruction
 - b. C&D Material Markets
 - c. Qualified Processors
 - d. Austin Energy Green Building
 - e. C&D Ordinance: 1st Two Months

4.a. Deconstruction

- Kathy Robinson, The Reuse People, Austin
- Kyle Kerrigan, Goodwill of Central Texas

4.b. C&D Material Markets



4.b. C&D Material Markets

§ 15-6-152 PROJECT DIVERSION RATES.

Beginning Oct. 1, 2020, divert a minimum of 75 percent subject to approval by City Council of the report required in Section 15-6-157(A)

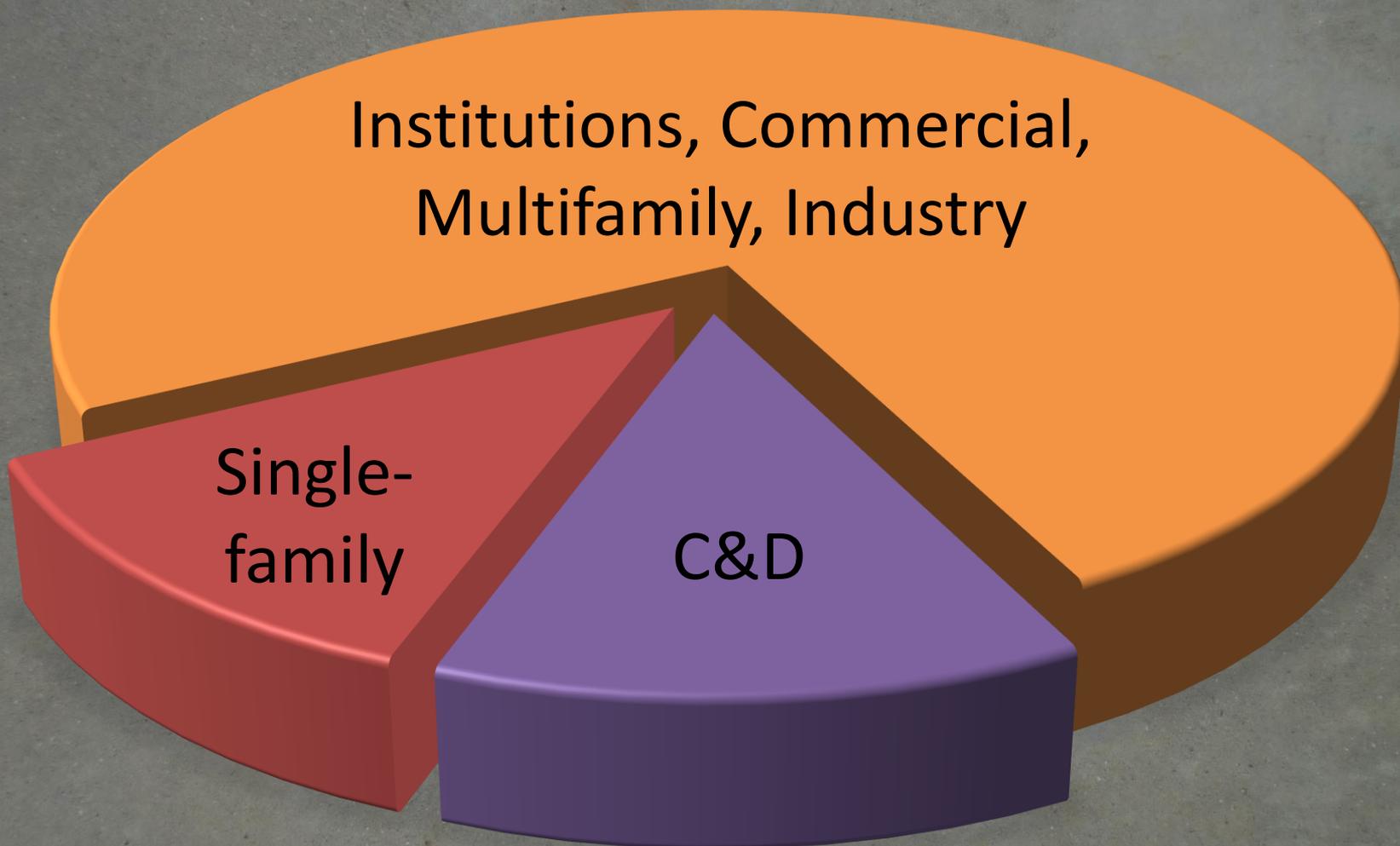
4.b. C&D Material Markets

§ 15-6-157 REPORTS.

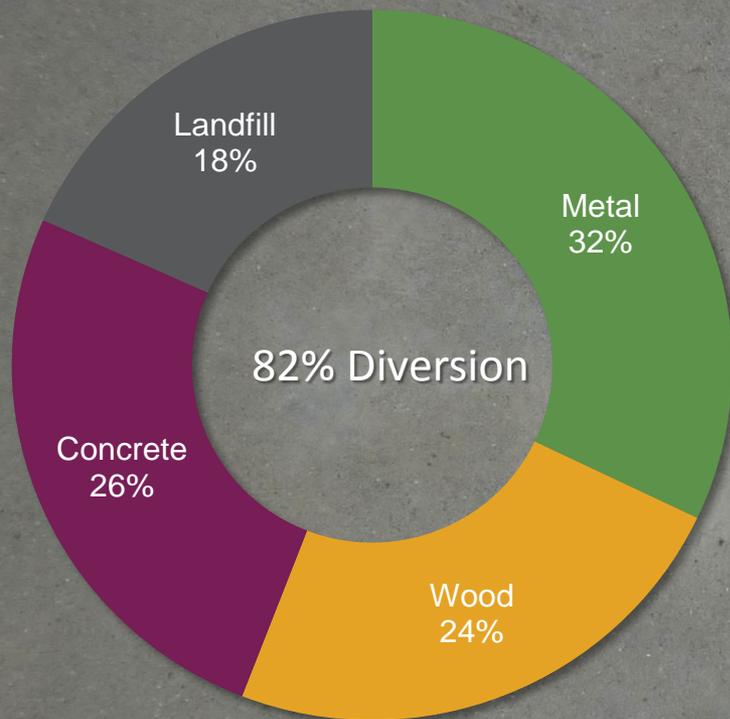
By 4/2/2020, provide report on:

- economic impact on household affordability
- assessment of markets for C&D materials

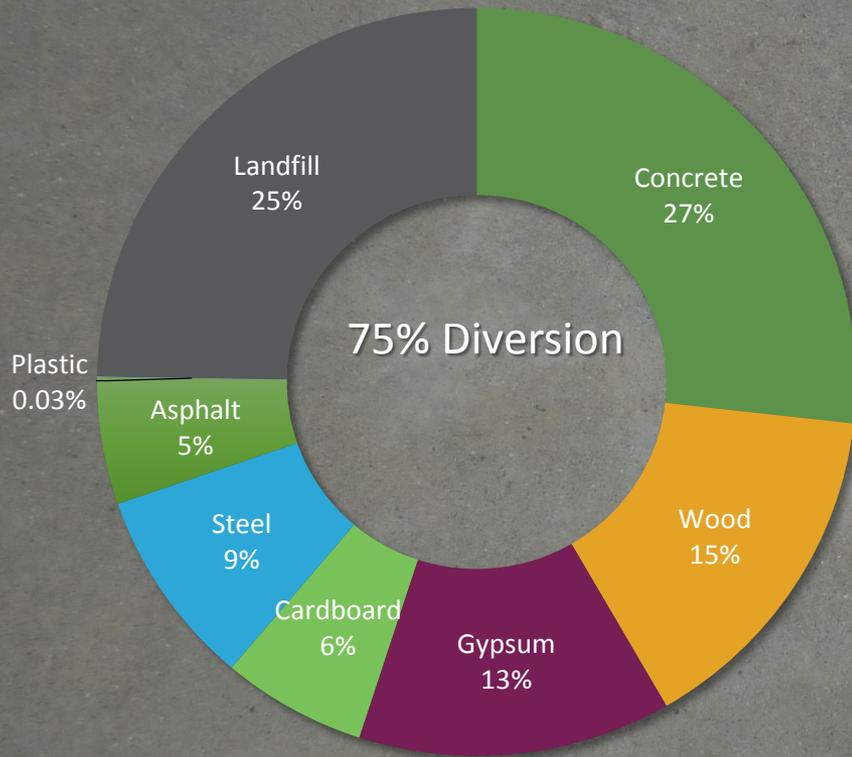
Discards



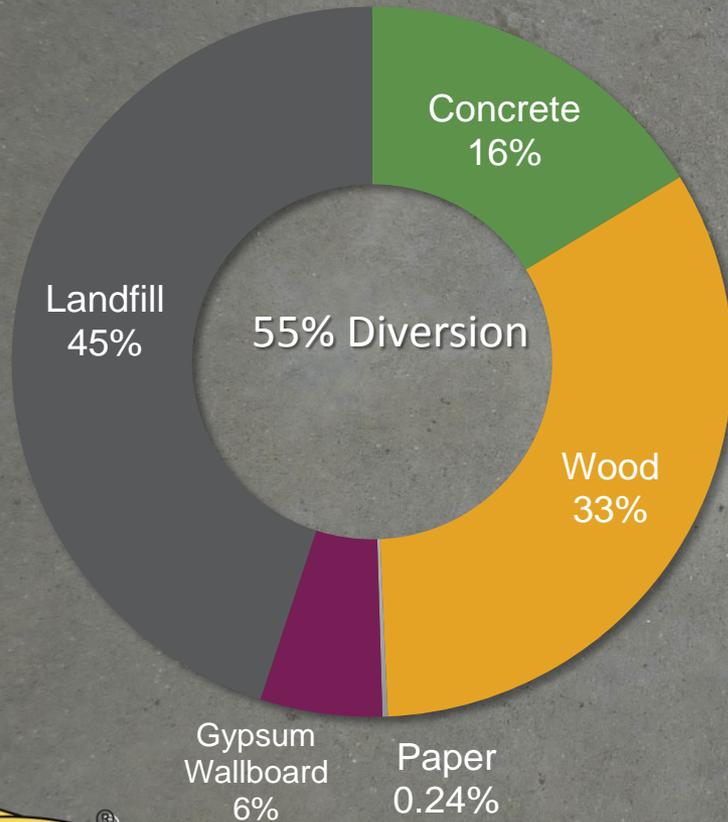
AEGB Case Study: Starbucks – Mueller



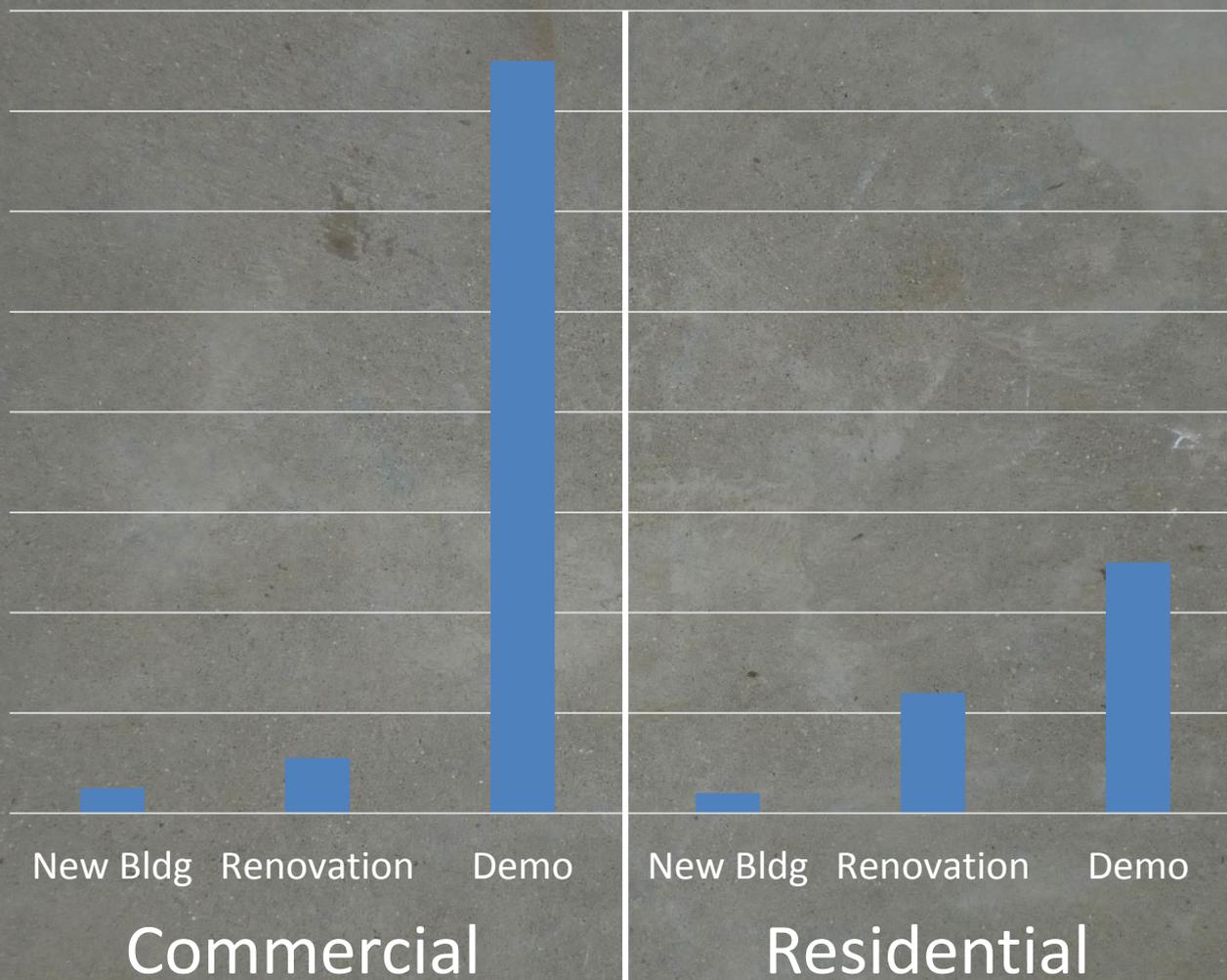
AEGB Case Study: The W Hotel & Residences



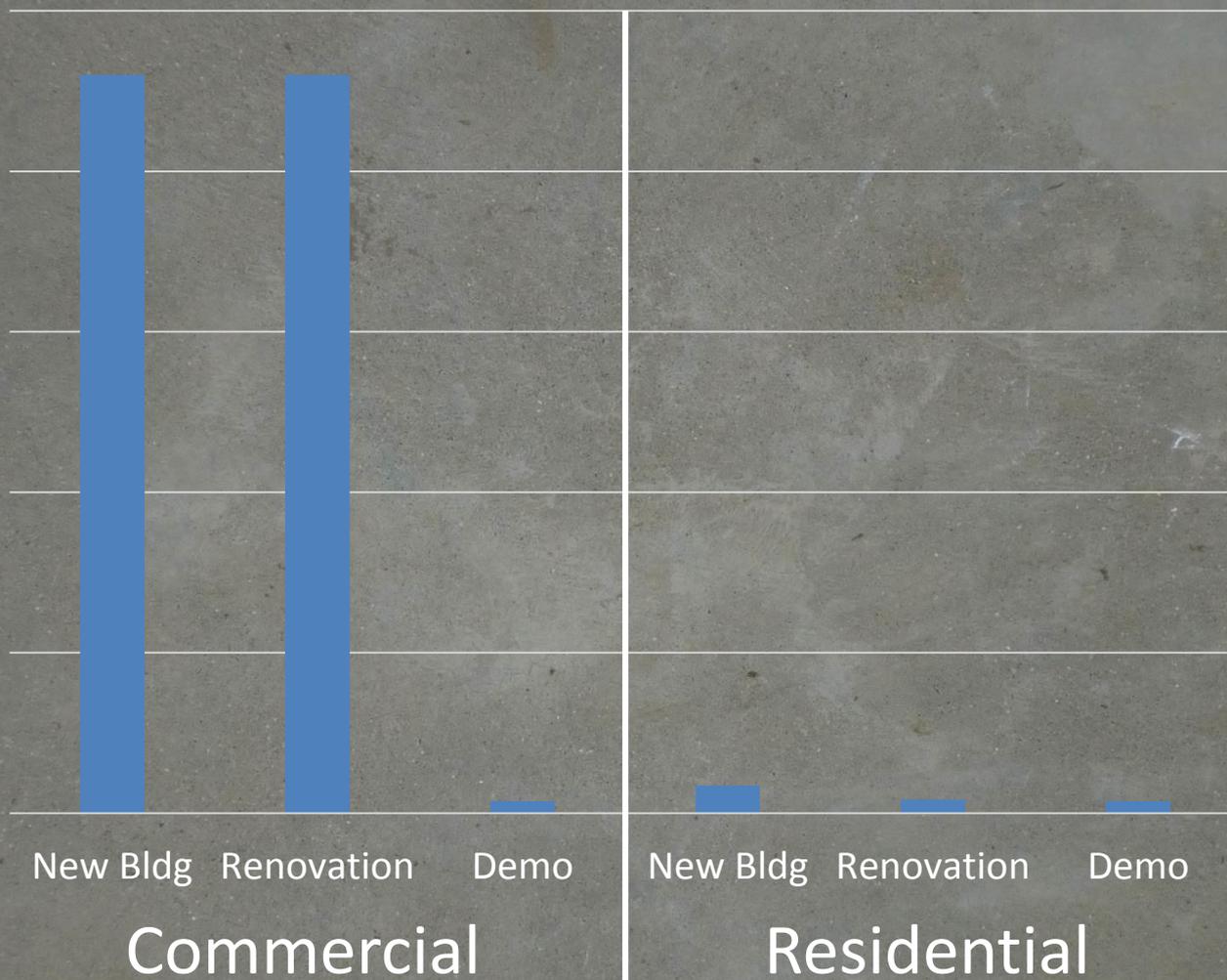
AEGB Case Study: Mosaic Apartments - Mueller



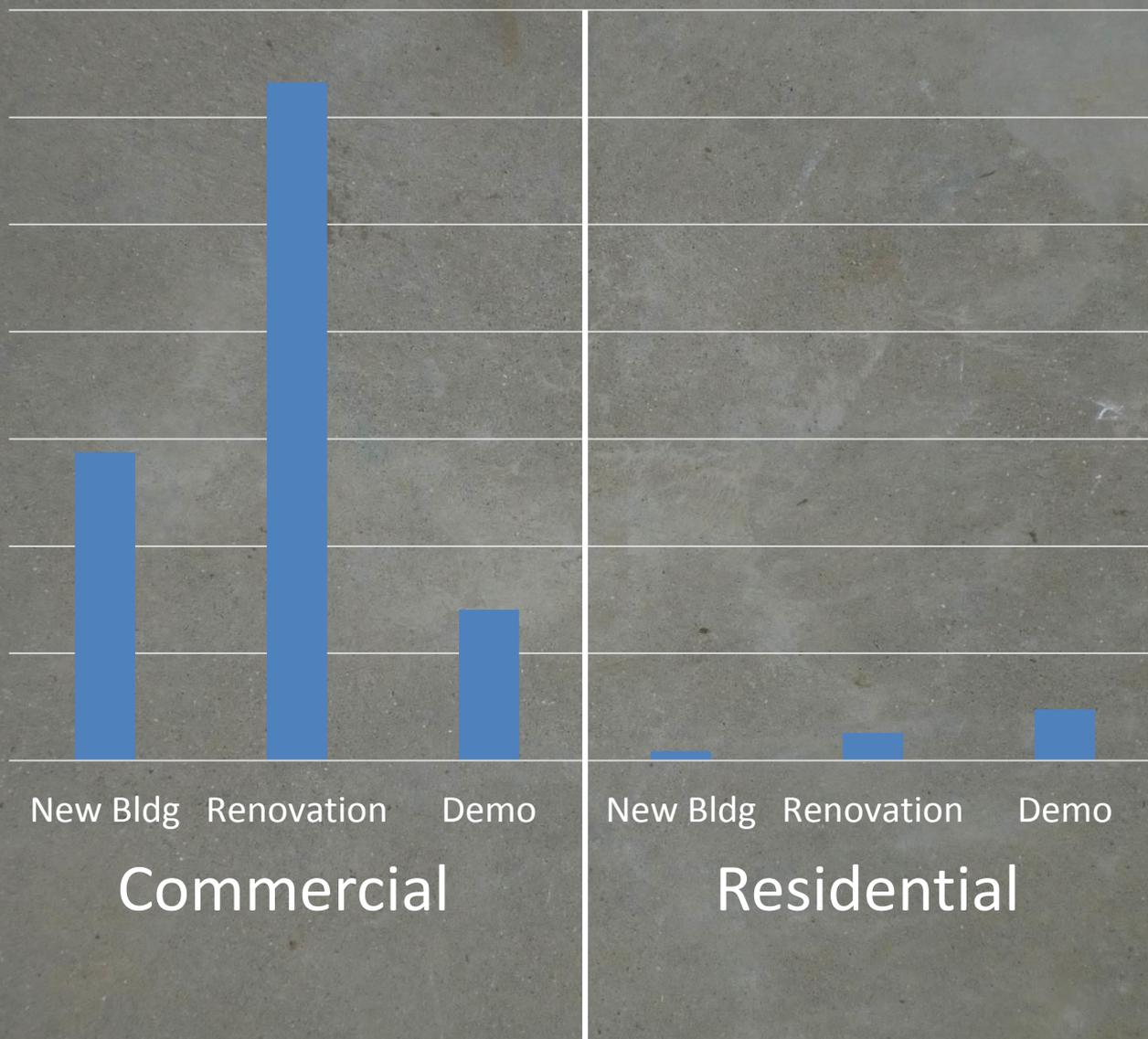
Generation Rates per Floor Area



Total Floor Area by Project Type

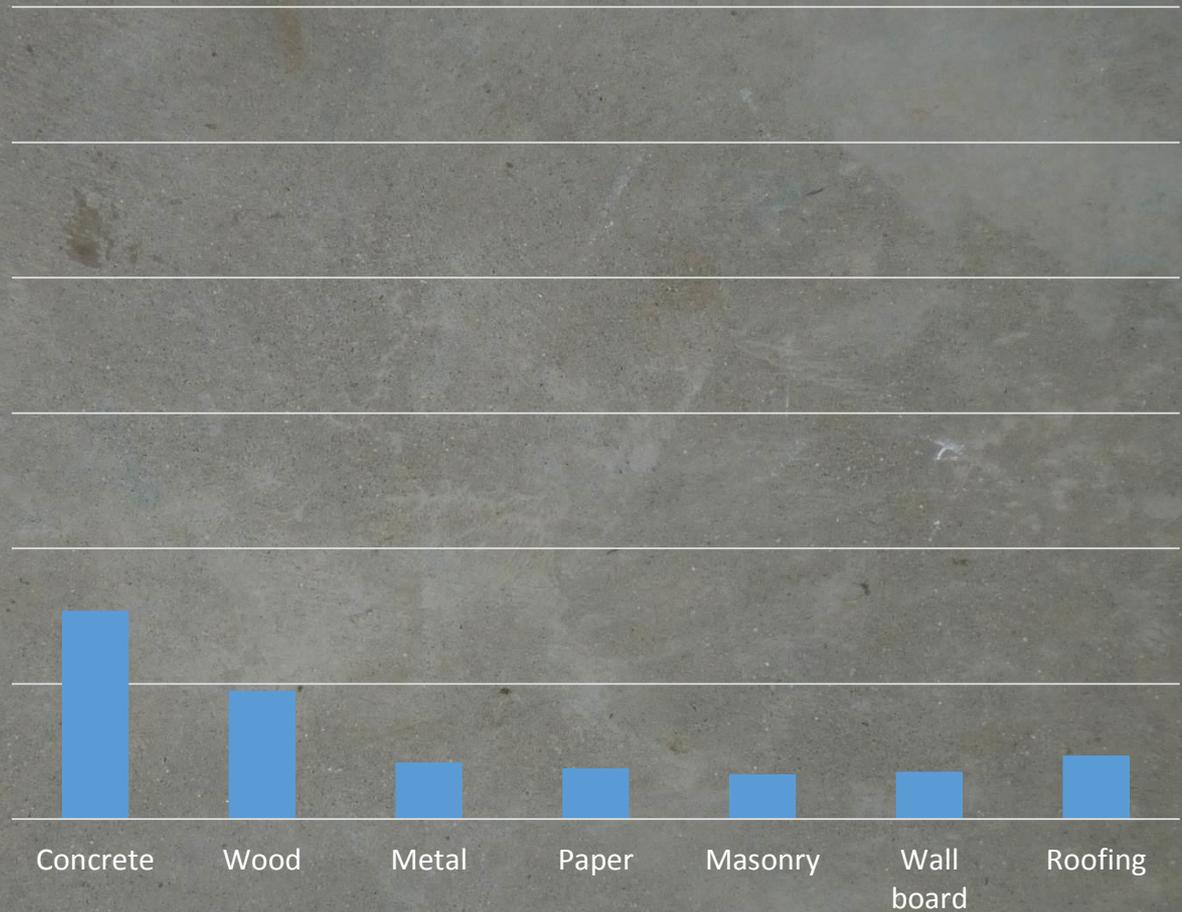


Total Generation by Project Type

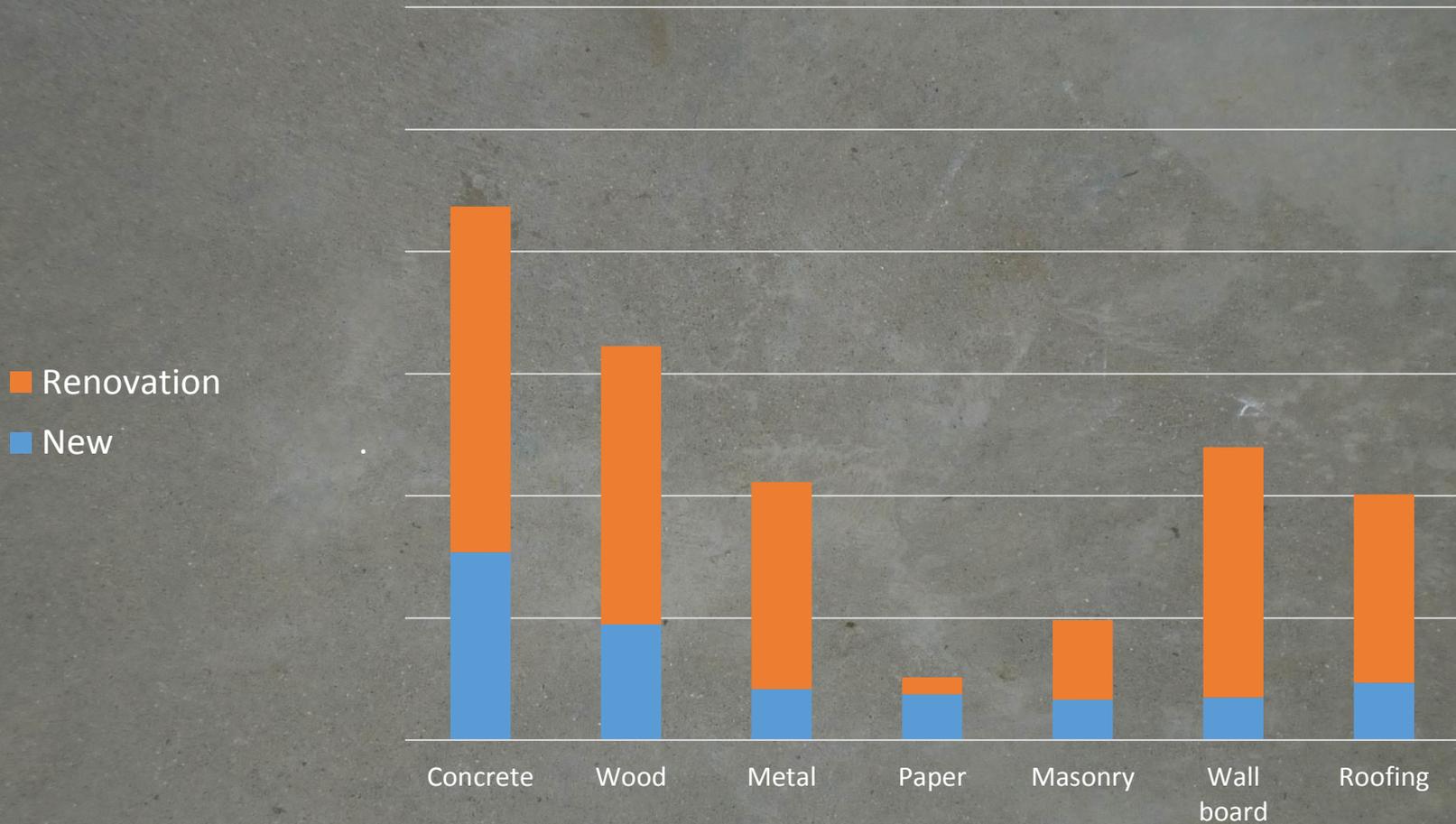


Relative C&D Material Generation Rates

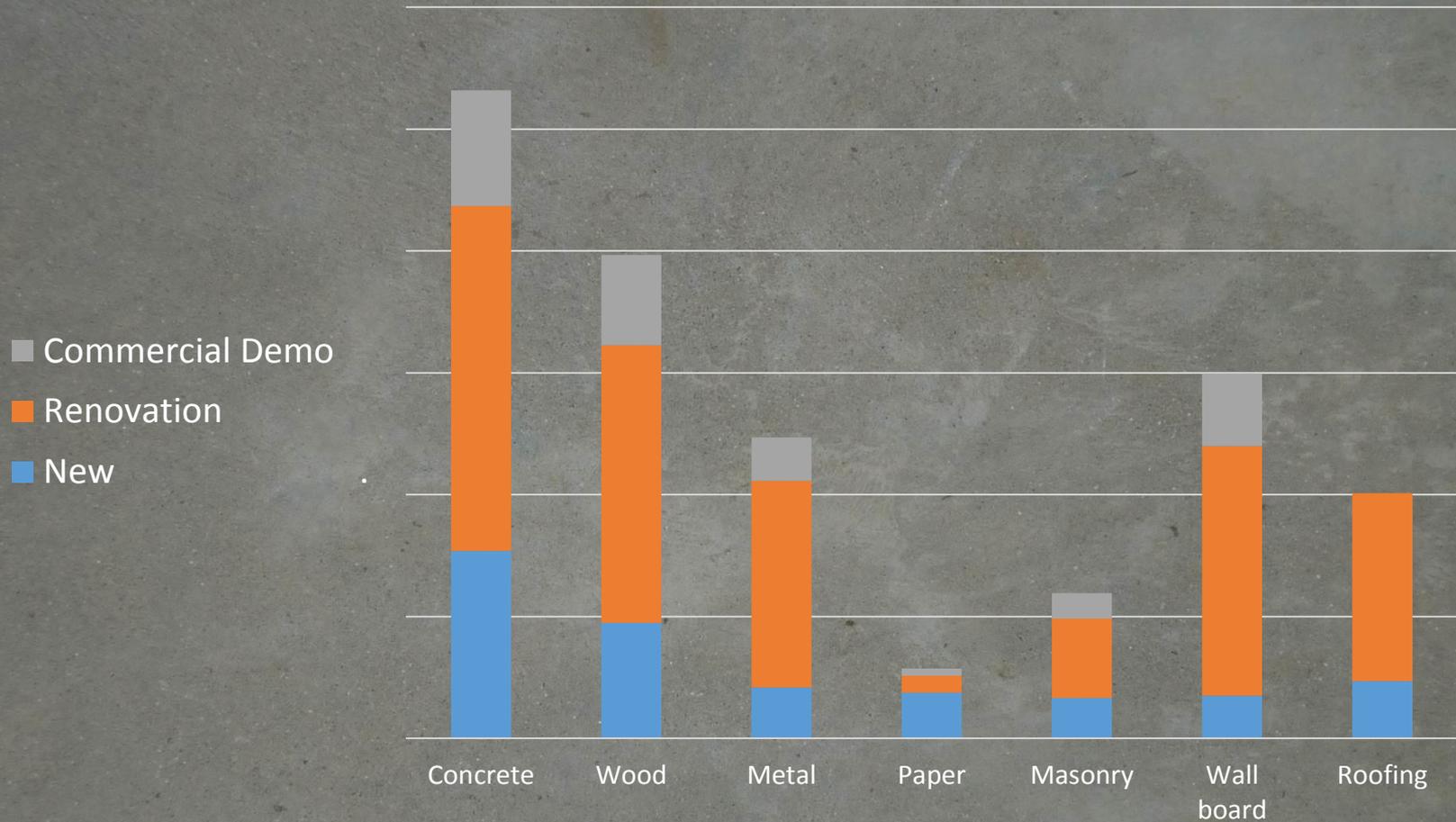
■ New



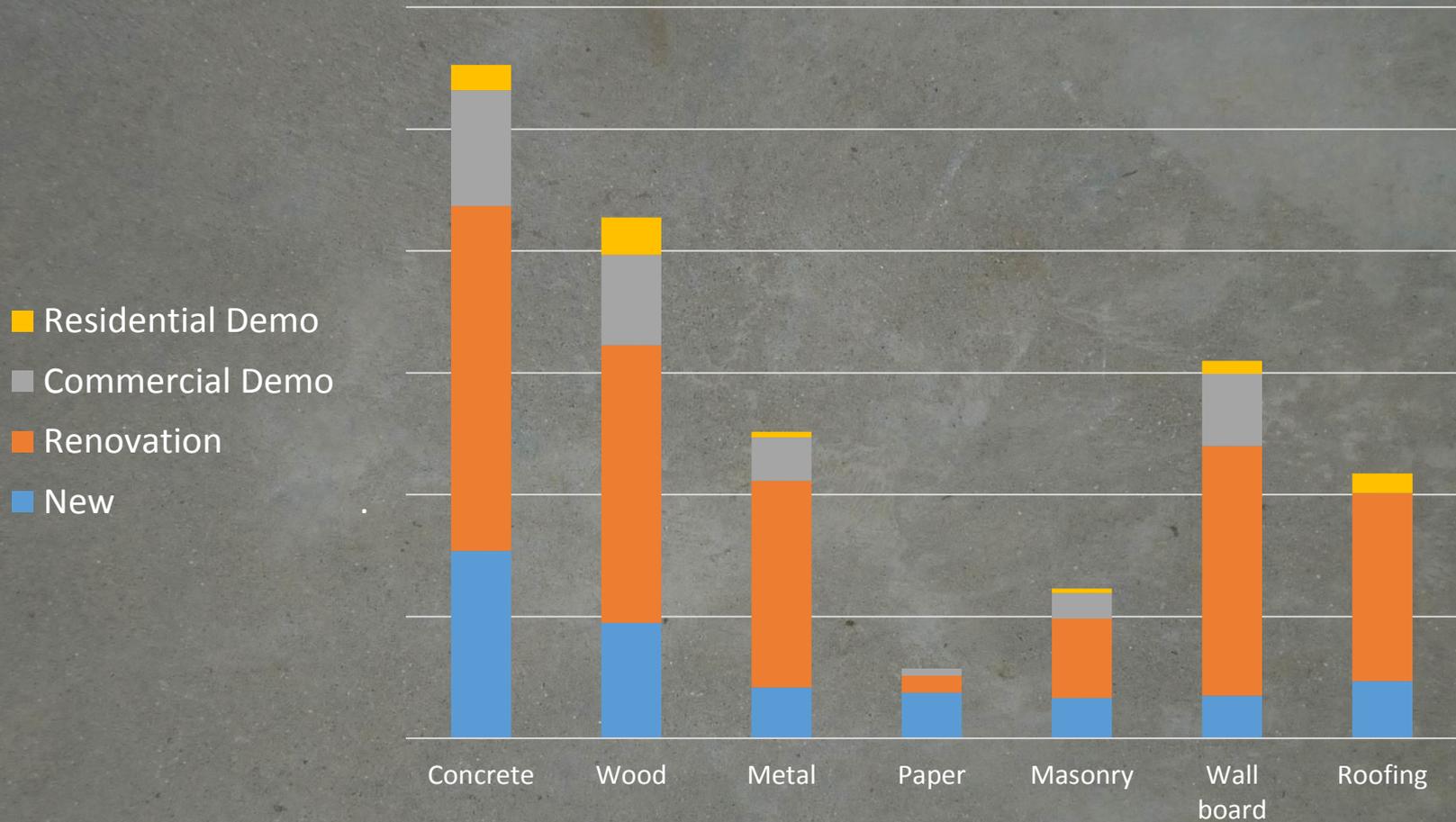
Relative C&D Material Generation Rates



Relative C&D Material Generation Rates



Relative C&D Material Generation Rates



4.c. Qualified Processors

- § 15-6-155 QUALIFIED PROCESSOR. A permittee may deliver materials to a qualified processor to meet the rates established in Section 15-6-151 (Project Disposal Rates) or Section 15-6-152 (Project Diversion Rates)

4.c. Qualified Processors



- Optional
- Commingled C&D processors
- 3rd-party verified facility diversion rate
- Simpler processing and reporting

4.c. Qualified Processors

Walter Biel, Recon Recycle

4.d. Austin Energy Green Building

Sarah Talkington

AEGB Commercial Program



AUSTIN ENERGY®
GREEN BUILDING



Austin Energy Green Building Update

Zero Waste Advisory Commission

Sarah Talkington

December 13, 2016





Austin Energy Green Building (AEGB)

Mission: To lead the transformation of the building industry to a sustainable future

Celebrating 25 years of green building in Austin



Single Family
Production & Custom



Multifamily
Residential < 7 Stories



Commercial





AEGB Goals

- Delay the need for acquiring additional generation, water treatment plants, waste water treatment plants and landfills
- Contribute to energy security & the success of local Climate Protection Plan
- Safeguard the local environment and air quality and community culture
- Make green building the industry standard in Austin
- Foster green material and job markets





AEGB Market Penetration

Rated Underway

Commercial

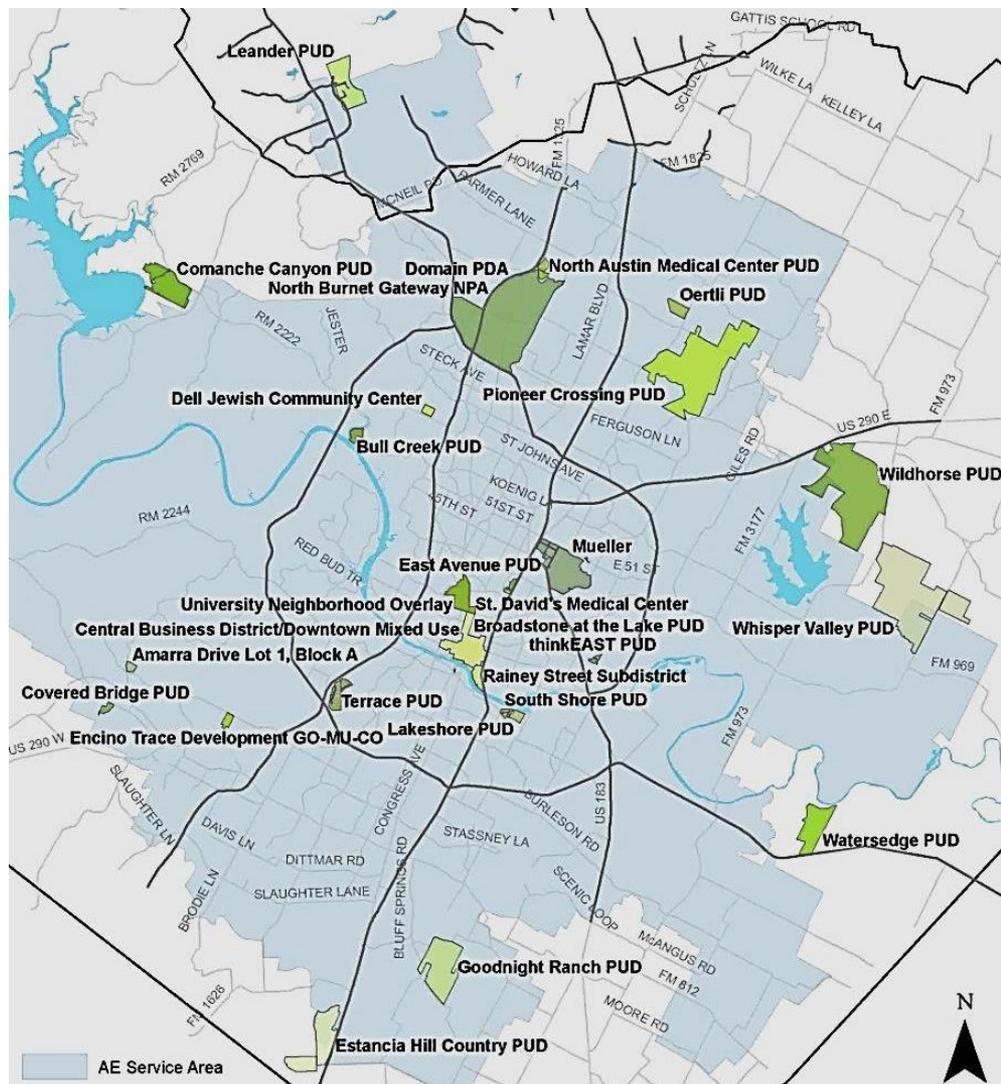
Projects	200	98
Million (sf)	22	17
Res Units	6,500	7,648

Multifamily

Res Units	15,000	8,235
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Single Family

Homes	12,840	850
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- Required since inception
- 2003: Required 50% diversion
- 2009: LEED Regional Priority Credit
- 2013: At least four materials

Zero Waste definition

- No landfill daily cover
- No incineration



- Points awarded since inception in 1991
- 2007: Construction waste management plan required to earn above a 2-star rating
- 2010: Required to earn more than 1-star diversion required





Related Points

- Operational Recycling: Early Compliance with the URO
- Building ReUse and Whole Building Life Cycle Analysis
- Recycled, Salvaged or Cradle to Cradle Certified Materials
- Brownfields
- IEQ: Construction Indoor Air Quality



Goal: Create a circular economy





2016 Update: Commercial & MF Rating

- Required: 50% Diversion OR Hauling Materials to an ARR or RCI Certified Processor
- 1 point: 75% Diversion OR Hauling Materials to an ARR or RCI Certified Processor
- Innovation Point: 90% Diversion OR Hauling Materials to an RCI Certified Processor





2016 Update: SF Rating

- Required: Minimum 50% diversion, OR
Maximum 2.5 lbs/sqft is landfilled, OR
Remodel and new construction projects under
5,000 sqft provide an approved CWM plan
- 1 point: Minimum 75% diversion, OR
Maximum 1.25 lbs/sqft of waste is landfilled





Contact Us

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facebook.com/austinenergy

Thank You!

4.e. C&D Ordinance

1st Two Months

Are you affected by Austin's Construction & Demolition Recycling Ordinance?

Permit applications submitted on or after Oct. 1, 2016 for more than 5,000 square feet of new, added or remodeled floor area must meet certain recycling requirements.

What does the ordinance require of affected projects?

1. Diversion Requirements - either:

- Divert at least 50% of the construction debris from landfill OR
- Dispose of no more than 2.5 pounds of construction debris per square foot of floor area

2. Reporting Requirement: Contractor must submit a Construction and Demolition (C&D) Recycling Report when requesting Final Inspection

For more information:
www.AustinTexas.gov/CD
ARRConstructionRecycling@austintexas.gov



Construction & Demolition

RECYCLING ORDINANCE BEGINS OCT. 1, 2016



4.e. C&D Ordinance: 1st 2 Months

Oct. 1 to Dec. 5, 2016	Permit Application	Permits Issued	Final Inspection	Waiver Request
TOTAL	83	42	2	1
New	24	6	-	-
Single Family Houses	20	6	-	-
Two Family Bldgs	4	-	-	-
Commercial Remodel	58	36	2	-
Finish Out	3	2	-	-
Re-Roofing	21	18	1	1
Other	34	16	1	-

Waiver Request

- Not all projects can meet diversion requirement



- Describe good faith effort to divert
- Explain why Project didn't meet 50%