

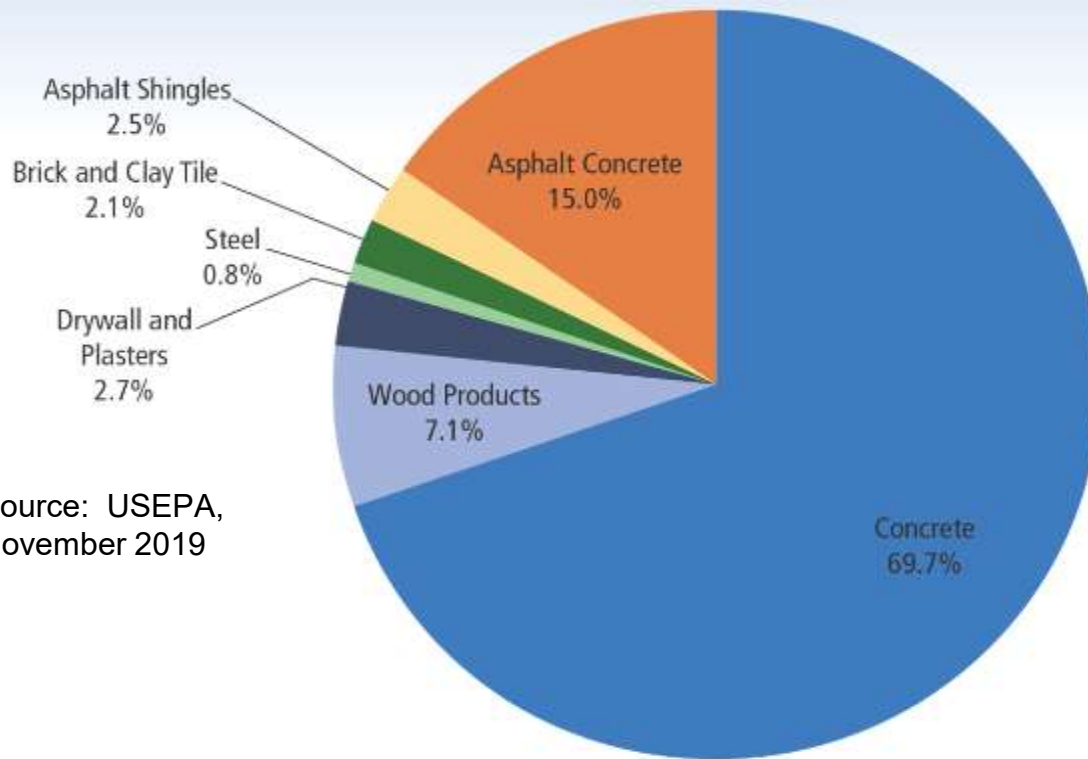
ID# 200449A

City of
Gainesville

Mike Heimbach
Sustainability Manager
Public Works Department

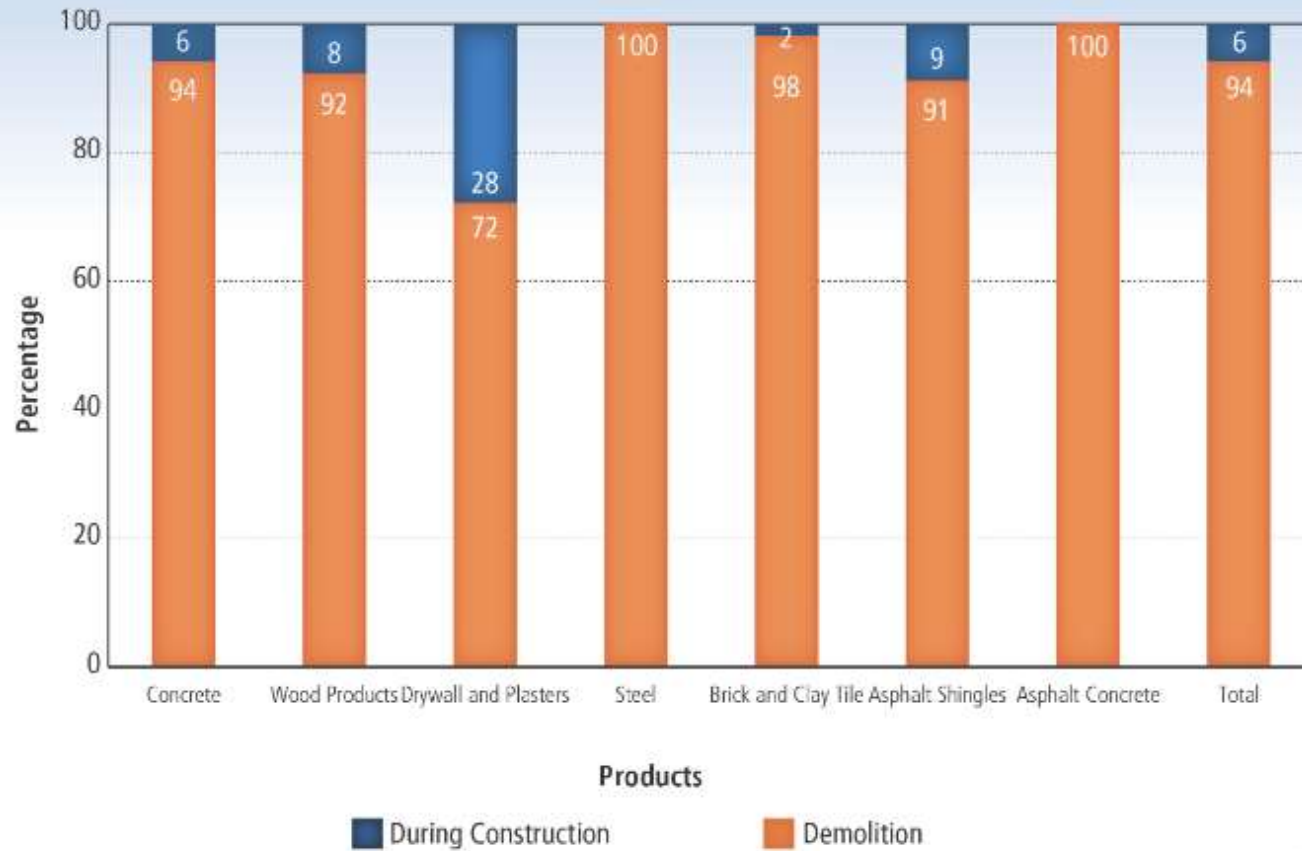
Zero Waste Subcommittee
Construction and Demolitions Debris Recycling
October, 2020

**Figure 14. C&D Generation Composition by Material (before processing), 2017
569 Million Tons**



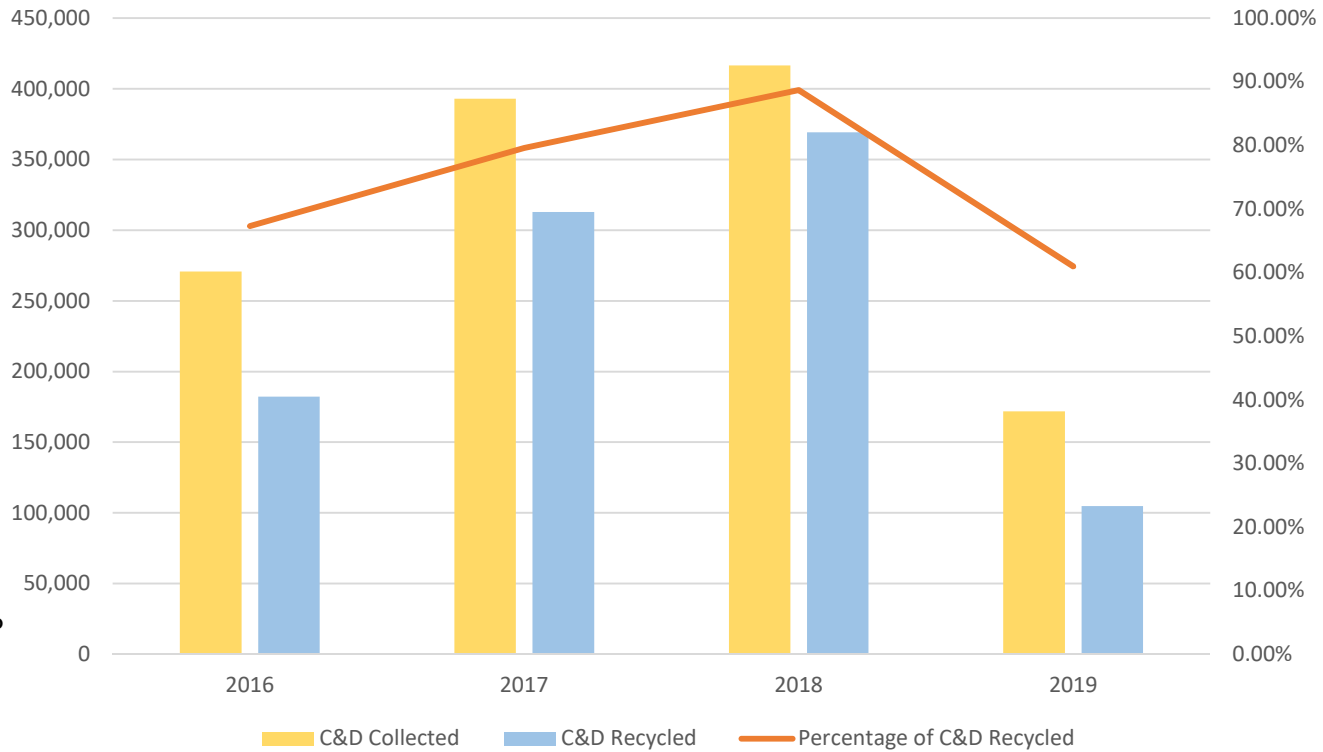
Source: USEPA,
November 2019

Figure 15. Contribution of Construction and Demolition Phases to Total 2017 C&D Debris Generation



Source:
USEPA,
November
2019

Alachau County C&D Collected & Recycled from 2016 to 2019



Source: FDEP
Annual Solid
Waste Report

FDEP-C&D Report Concerns

- Information Not Verifiable Through Public Records
- Some Reporting Exempt from Public Records Laws
- Some Materials such as Asphalt were Never Routinely Landfilled
- 2019 Numbers Unusually Low

Current Infrastructure- Collection

C&D Haulers



- City Issues Non-Exclusive Commercial Collection Services
- Eight Companies Provide C&D Collection Services to the Community
- Four of the Eight Companies are also Franchised to collect Municipal Solid Waste (Garbage)

Current Infrastructure- C&D Concrete Recyclers



Florida Concrete

- Primarily Facility for the Community
- Accepts Source Separated Concrete from Construction Projects
- Processes Concrete On Site
- Creates Rock Products for the Construction Industry

Tropical Recycling

- Smaller Operator that Primarily Handles It's Own Material

Current Infrastructure- C&D Landfills



Watson C&D

- Primarily Uses Material for Landfilling
- 2019 Recycled 7% (FDEP Annual Report)

Florence C&D Landfill

- Estimated 10 years of Operation Remaining
- 2018 Recycled 3% (FDEP Annual Report)

Possible Future Infrastructure- C&D MRF Recyclers



- Processes Mixed Materials
- Allows for Collection of Material in One Dumpster
- Possibly More Expensive for Contractor
- Coastal in Pompano Beach Recycled 67% (FDEP Annual Report)

Lee County- C&D Ordinance

| APPROVED C & D RECYCLING FACILITIES IN LEE COUNTY | | |
|---|--|--|
| Lee County Solid Waste Department | 239-533-8000 | 10500 Buckingham Road Fort Myers, FL 33905 |
| County Waste | 239-481-3400 | 8060 Mainline Parkway Fort Myers, FL 33912 |
| Honc Destruction | 239-772-2378 | 7940 Mainline Parkway Fort Myers, FL 33912 |
| Southwest Disposal | 239-939-5050 | 2442 Rockfill Road Fort Myers, FL 33916 |
| Waste Connections of Florida | 239- 415-0723 scale house 239-489-1716 for a copy of your weight ticket | 16801 Stock Court Fort Myers, FL 33912 (Follow signs, enter from Supply Drive) |
| Yahl Street Recycling | 239-770-5547 | 5801 Yahl Street Naples, FL 34109 |

- Minimum Recycling Rate is 50%
- Building Permit Holder Required to Estimate Debris Levels by Type of Material
- Identify Method of Collection
- Identify County Approved Processors that Will be Used
- Permittee Pays a Fee that is Refunded Upon Proof of Compliance
- Deconstruction, Reuse, and Salvage Encouraged
- Six Approved C&D Recycling Facilities in Lee County

City of Gainesville- Mandatory Commercial Recycling Ordinance (Sec. 27-85)

... all commercial generators and generators of construction and demolition debris shall separate designated recycling materials and make them available for recycling. ...

Designated Recycling Materials

- **Papers:** Corrugated Cardboard, Paperboard, Newspapers, Office Paper
- **Containers:** Metal Cans, Glass Bottles, Plastic Bottles

City of Gainesville- C&D Ordinance

Recommendations



- Use Lee County as the Template for an Ordinance
- Set a Minimum Recycling Rate
- Design Fees that Make Compliance Worthwhile
- Require Identified Waste Hauler to Separately Submit Landfilled Weights
- Consider Additional Credit for Reclamation and Reuse

Thank You.