



Fort Hood Community

**NET
ZERO
WASTE** 2020
Fort Hood

2020 "Perfect Vision, Perfect Mission"



IMCOM
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Jennifer Rawlings
Fort Hood DPW Environmental
Environmental Program Manager
Cen-Tex Staff Committee Vice Chair



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Net Zero Waste Strategy



Goal: Change culture at Fort Hood to achieve NZW

Key Tasks:

- **Reduce** amount of solid waste generated
- **Re-purpose** whenever possible
- **Expand Recycle**; increase diversion rate
- **Use Waste to Energy** to eliminate remaining waste
- Identify alternative disposal methods
- Employ **aggressive strategic communications** campaign
- Utilize Net Zero Waste Workgroups and Annual Workshops



End State: Fort Hood Community has embraced NZW and is actively supporting the effort

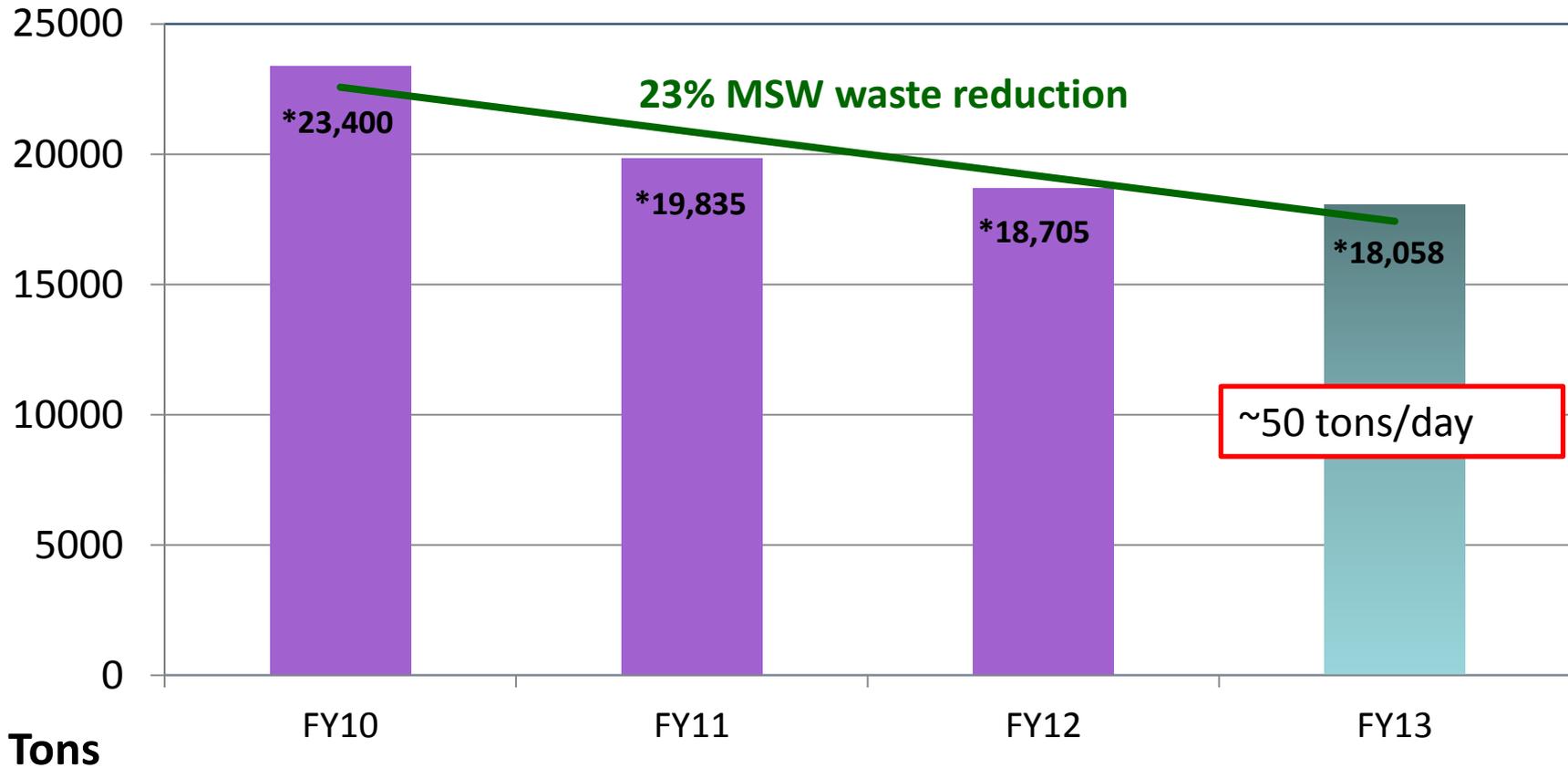


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How Much Trash Goes into our Landfill?



* Does not include C&D

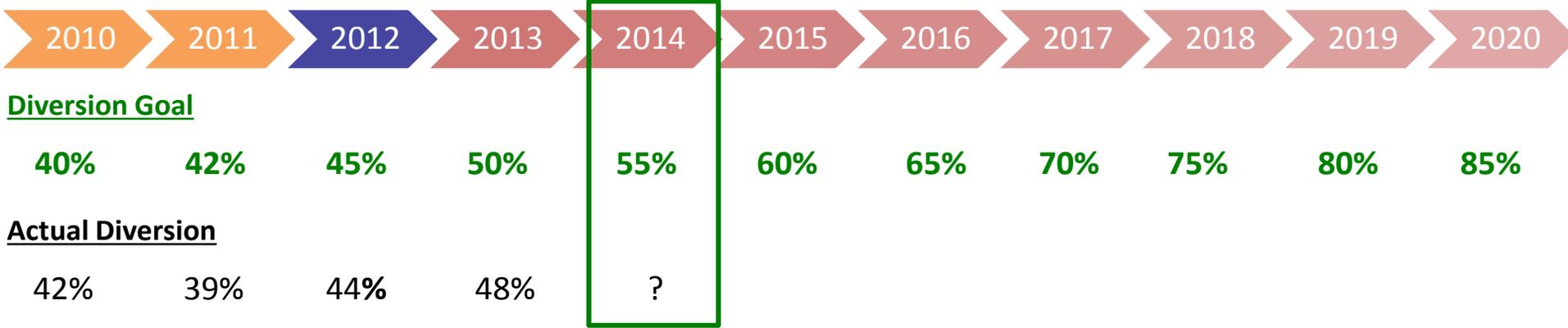
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Net Zero Waste Diversion Glide Path



Diversion efforts include

Recycling



Composting



Reuse

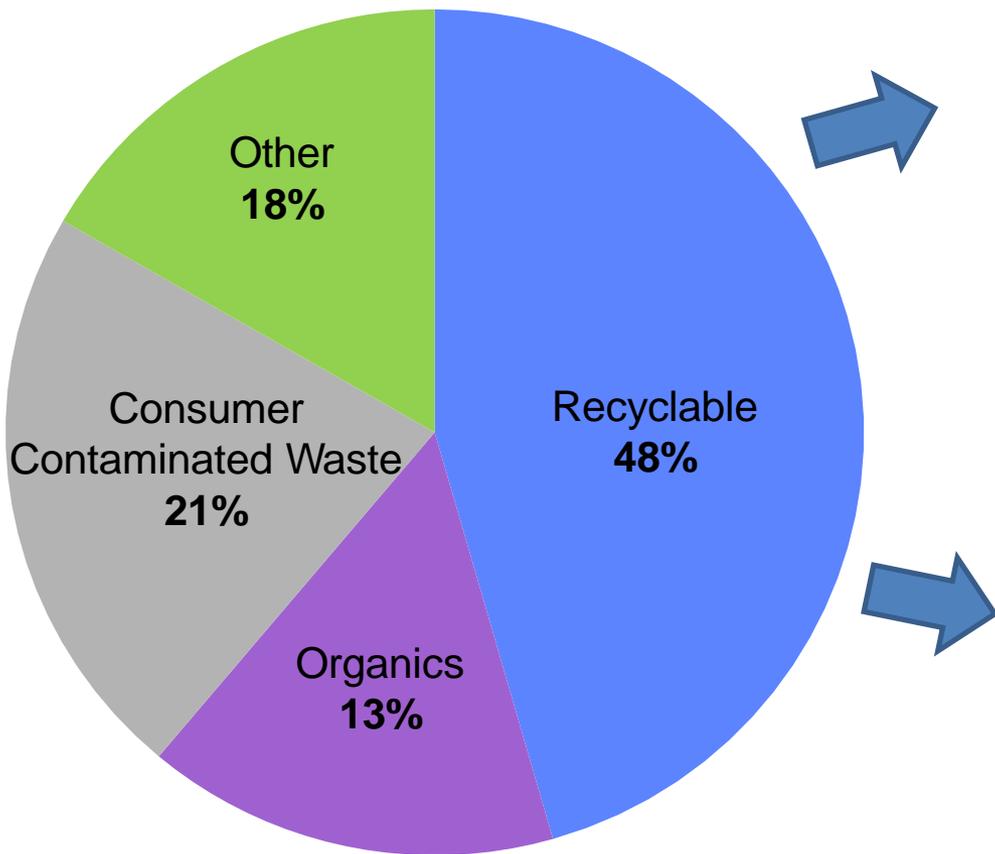




What goes into the Landfill?



Combined Residential & Commercial Waste in the Landfill by Weight from Material Flow Analysis Study



In FY13,
8,668 tons of
recyclables in
the landfill!



\$1,036,240 could
have gone back
to Soldier Unit
funds

We need all communities
to recycle!

UNCLASSIFIED

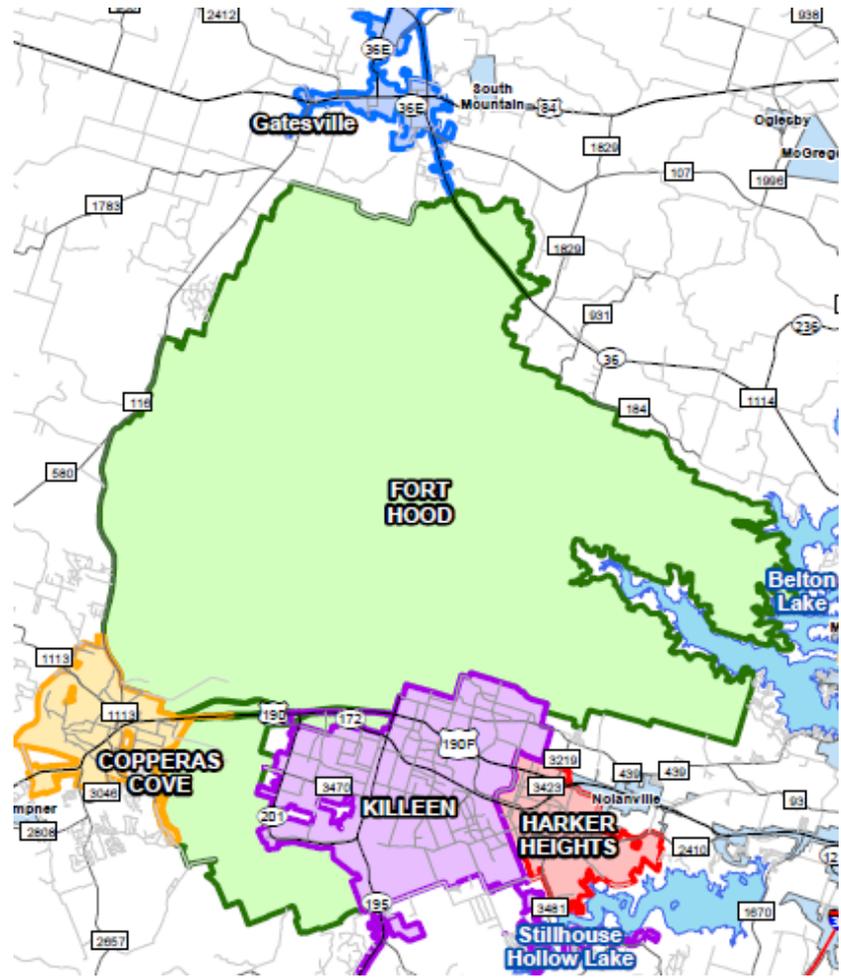




CENOTEX



SUSTAINABLE COMMUNITIES PARTNERSHIP



Signed MOU at Earth Fest
April 24, 2009



Regional Population ~ 300,000





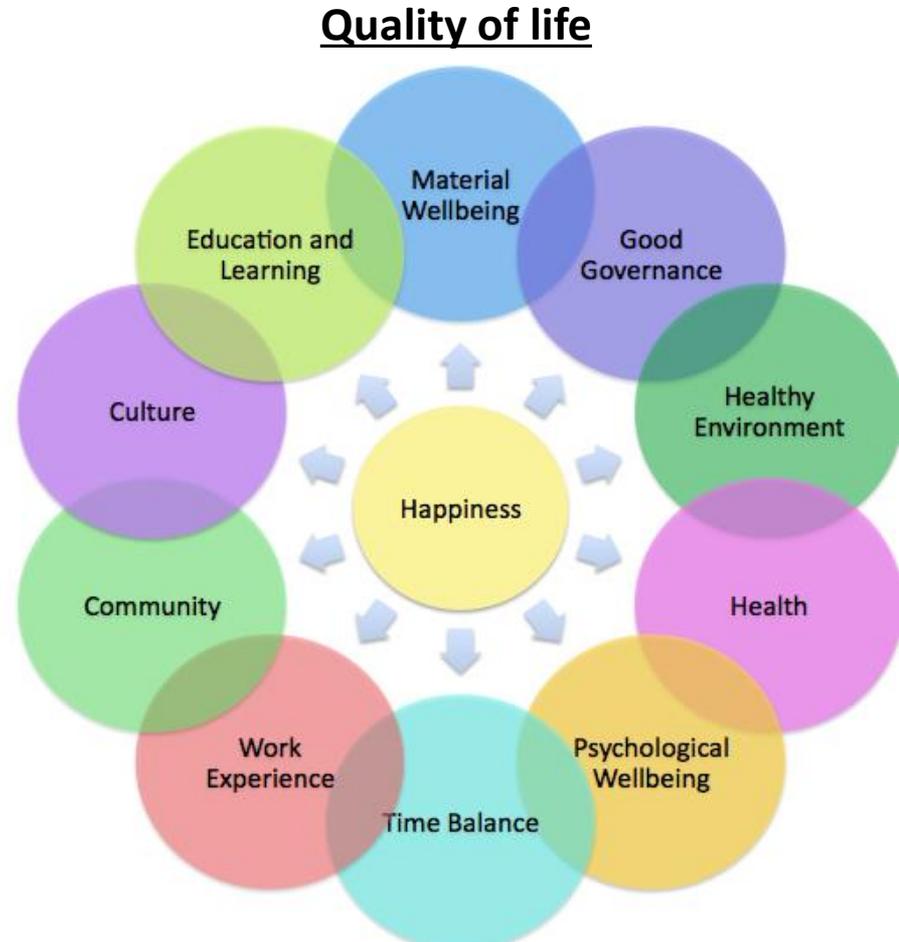
Partnership Members



- **Executive Committee**
 - Fort Hood Garrison Commande
 - Member Community City Manag

- **Staff Committee**
 - Fort Hood Civilian Staff
 - Member Community City Staff

- **Citizens Committee**
 - Residents from communities to work on outreach events





Project List



- **Curbside Regional Recycling**
- Hike and Bike Trails/ Community Parks
- Regional Renewable Energy
- **Green Business Initiative**
- **Sustainable Education Events for Residents**
- Develop Regional Ordinances for Sustainability



RECYCLING FEASIBILITY STUDY – Final Report



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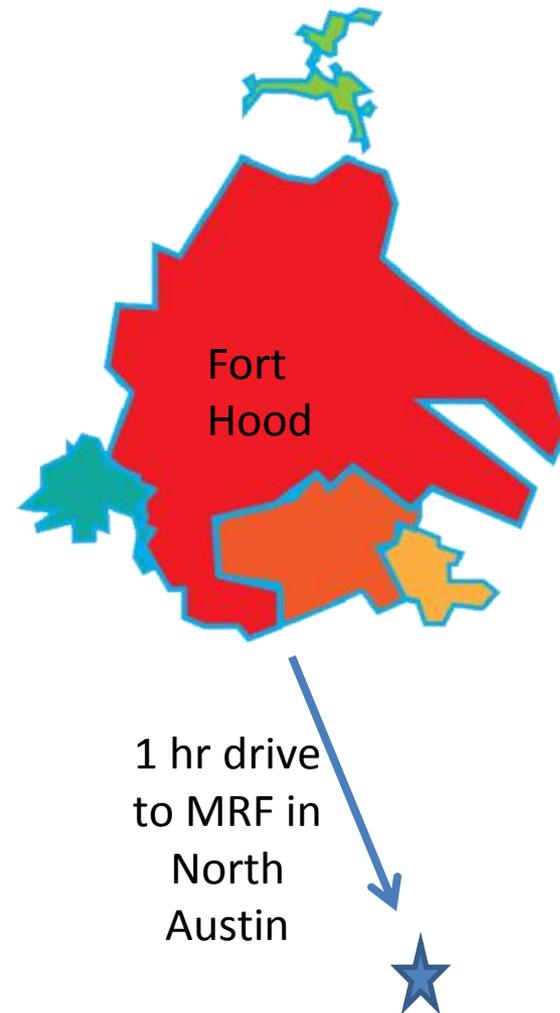




Current Net Zero Success



- Copperas Cove and Fort Hood Family Housing single-stream recycling
- Killeen sent out a Request For Proposal
- Gatesville and Harker Heights drop-off locations deliver to Fort Hood
- Working on regional solutions for a local MRF to develop in the region



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Partnership Lessons Learned



- Not always enough city personnel with the right expertise or spare time
- Too many objectives at once, and original expectations were too high
- A lot of time is spent on education and training (staff and residents)
- Need dedicated staff to work net zero objectives
- Need better accountability with formalized committees
- Need City Council approval and City Manager buy-in
- Has to be a popular demand from city residents for sustainability
- **City voters must demand change, which is done through education**



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What the Cities Need



- Dedicated sustainability staff person at each city via grants or fellowship program
- Site Assistance Visits from EPA to prioritize strategies and share best practices
- Feasibility Studies to help crunch the numbers
- Sample Ordinance language for environmental or Net Zero efforts with associated economics
- Basic economic and environmental returns on environmental initiatives that are simple to use and easy to access to help sell ideas to city councils, city staff, and residents



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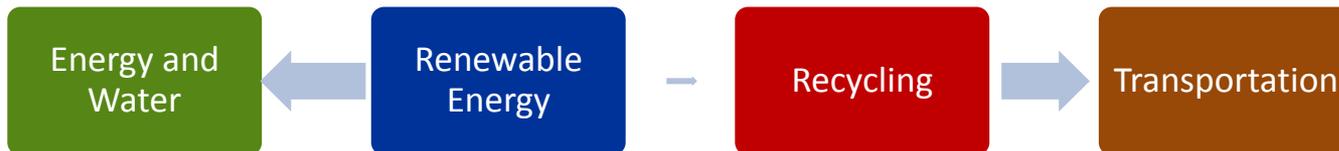


Potential EPA Online Tool

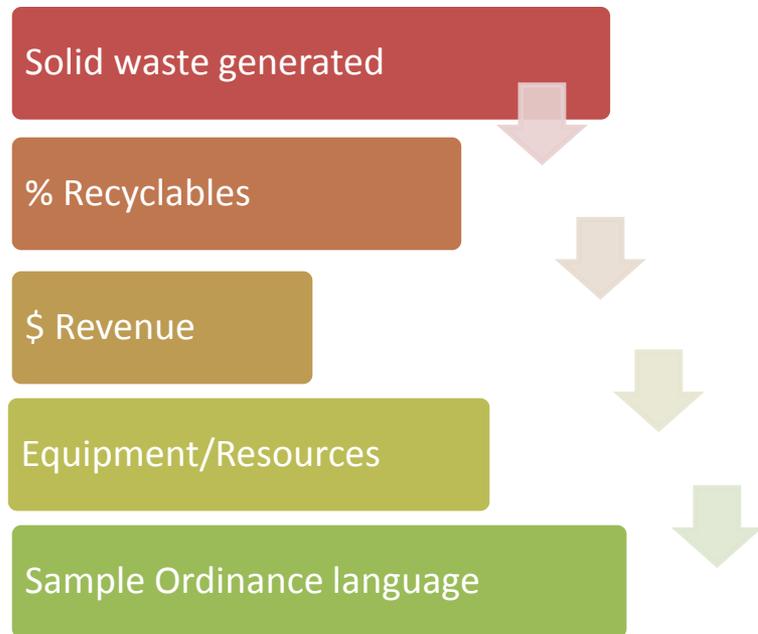


#1 City Enters in => Number of households (with density) and population

#2 Choose a category



#3 Single Stream Curbside Recycling



#4





Questions/Discussion



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