



# IOWA DEPARTMENT OF NATURAL RESOURCES

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LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

# Solid Waste Alternatives Program – Stakeholder Meeting

## Agenda

- Welcome
- Food Waste Project Presentations
  - Iowa Food Bank Association – Cory Berkenes
  - Eat Greater Des Moines – Aubrey Alvarez
  - ICI Food Waste Study – Tom Anderson
  - Green RU – Dave Klockau
  - Big Ox Energy – Kevin Bradley
- Review of competitive funding rounds - January 2013 to April 2015
- Review of SWAP funding - January 2013 to April 2015
- LUNCH
- Recycling Partnerships Presentations
  - Asphalt Shingle Recycling: Western Iowa Initiative / Save and Pave, Inc. – Mary Wittry / Dan Hibma
  - Glass Recycling – Mason Lee / Michele Goth
- Administrative Rule update – 567 IAC 209 Landfill Alternatives Financial Assistance Program
- Hub and Spoke Study RFP
- Discussion of alternatives to current SWAP procedures
- Open Discussion

# Solid Waste Alternatives Program – Stakeholder Meeting

## Iowa Industrial, Commercial and Institutional Food Waste Generator Study

DNR issued an RFP and contracted with the IWRC to investigate non-residential food waste generation.

Using NAICS Codes a comprehensive list of food waste generators was developed

- Food manufacturing/processors
- Food distributors/wholesalers
- Colleges and universities
- Supermarkets
- Restaurants
- Hospitals
- Nursing homes
- Correctional facilities
- Resorts/conference centers
- K – 12 schools

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## Iowa Industrial, Commercial and Institutional Food Waste Generator Study

Sampling surveys of food waste generators were conducted focusing on:

- Amount of food waste generated
- Type of food waste generated
- Disposal method
- Frequency of food waste disposal
- Miles traveled to dispose of food waste (donated, reused, recycled, landfilled)
- Interest in obtaining free food waste assistance

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## Iowa Industrial, Commercial and Institutional Food Waste Generator Study

### Brief Results

- Over half the generators generate both pre-consumer and post-consumer food waste
- Food waste was overwhelmingly reported as mixed (fruits, vegetables, meat, etc.)
- Generators were nearly split between food waste solely unpackaged and those whose food waste was both packaged and unpackaged
- The vast majority landfill their food waste
- Of the respondents that donate their food, over half do their own transportation with an avg. of 8 miles traveled
- Roughly 20% of food waste generators surveyed were interested in obtaining free assistance in reducing their food waste. Those most interested include:
  - Colleges and Universities
  - Hospitals
  - K-12 Schools
  - Supermarkets

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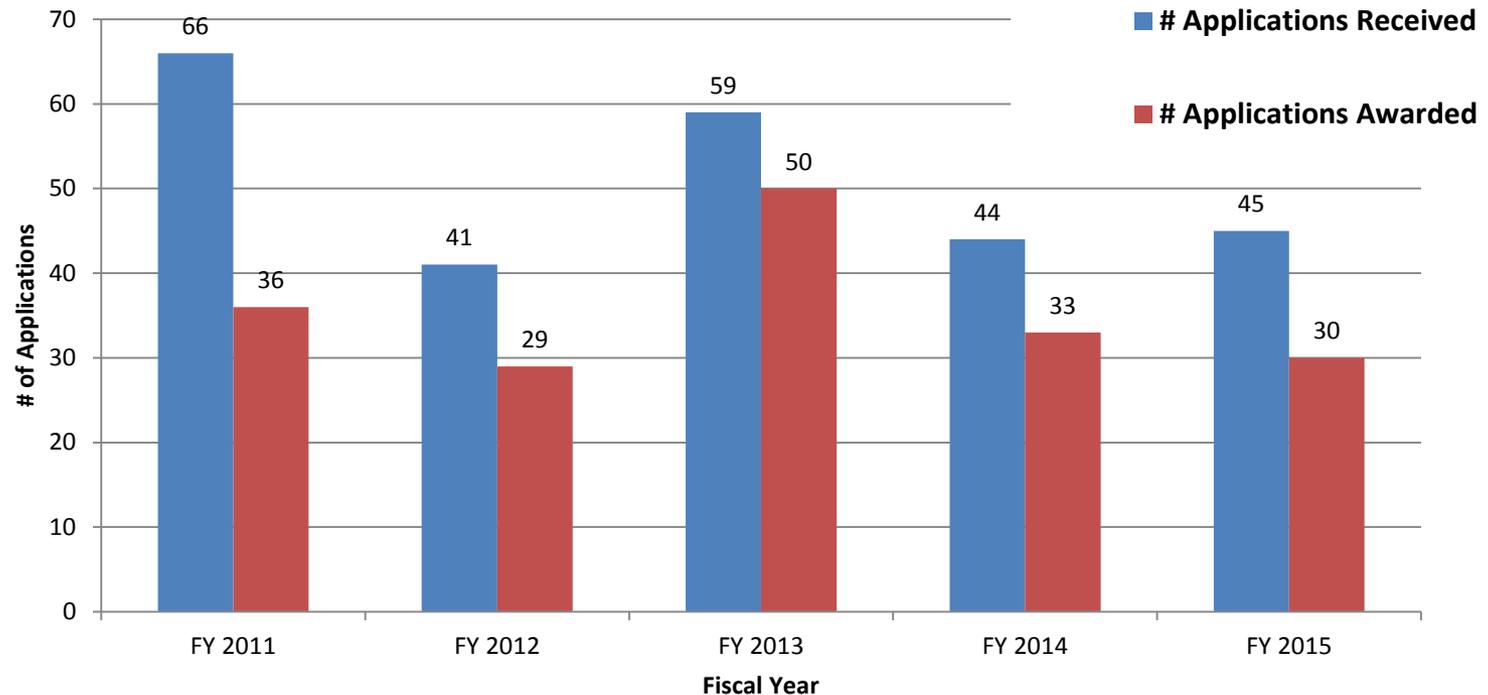
## Iowa Industrial, Commercial and Institutional Food Waste Generator Study

### Next Steps

- Comparison mapping of food waste generators (provided in the study) with existing waste management facilities/opportunities (landfills, compost operations, anaerobic digester operations, food banks, etc.)
- Follow up with food waste generators interested in alternative management of their food waste
- Develop and distribute information such as liability protection afforded through the Good Samaritan Act
- Option of targeted funding to address food waste following EPA's Food Waste Hierarchy

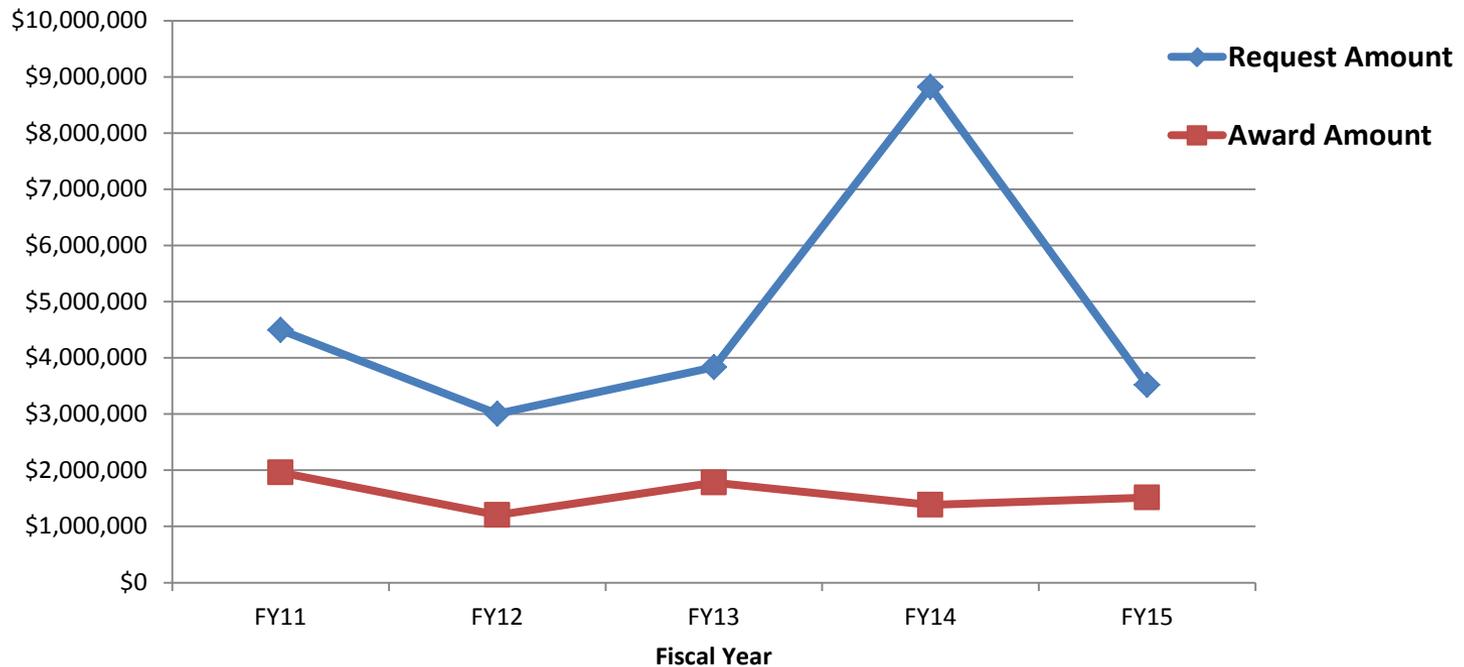
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## Applications Received-Awarded by Fiscal Year



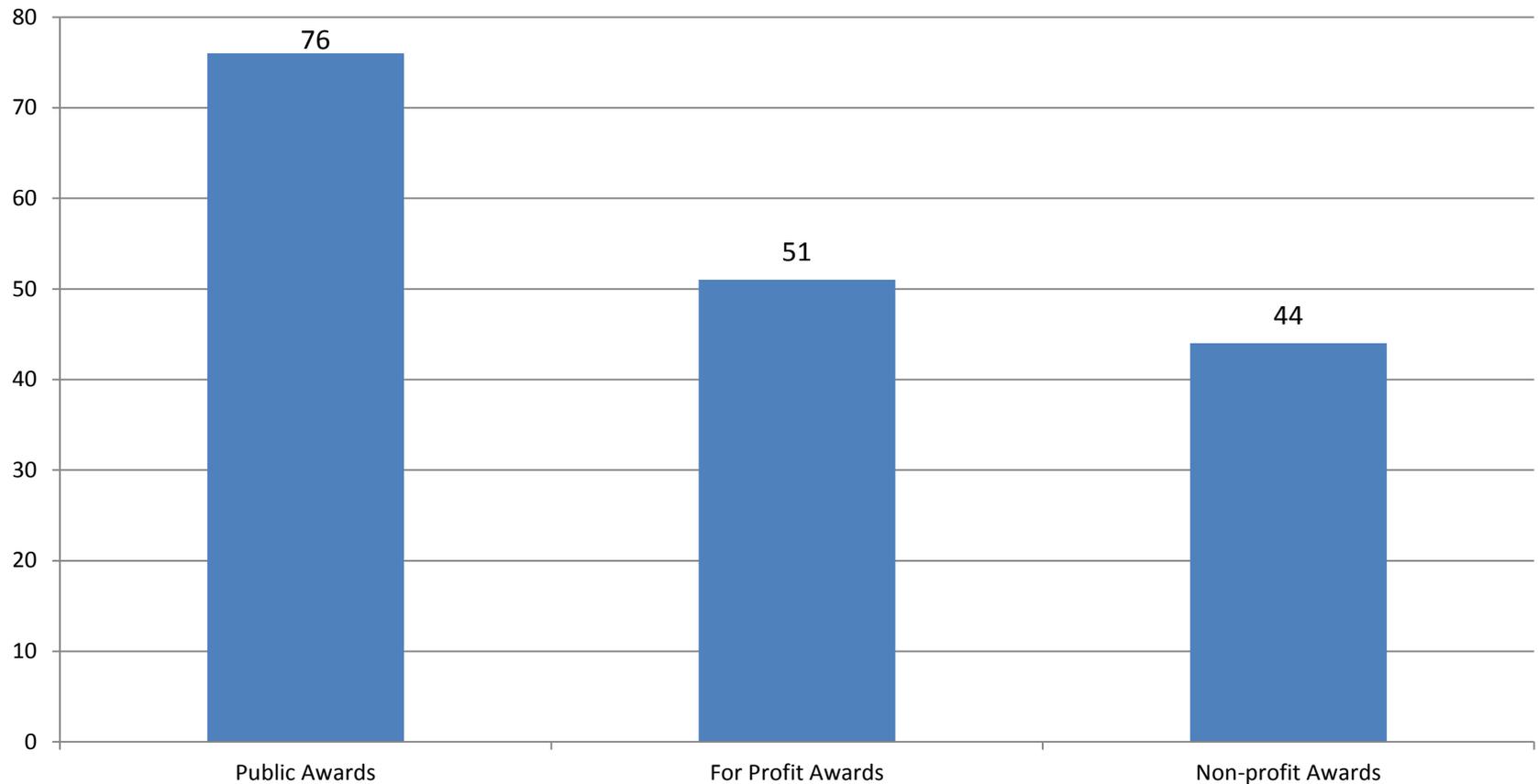
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## Request and Award Amount



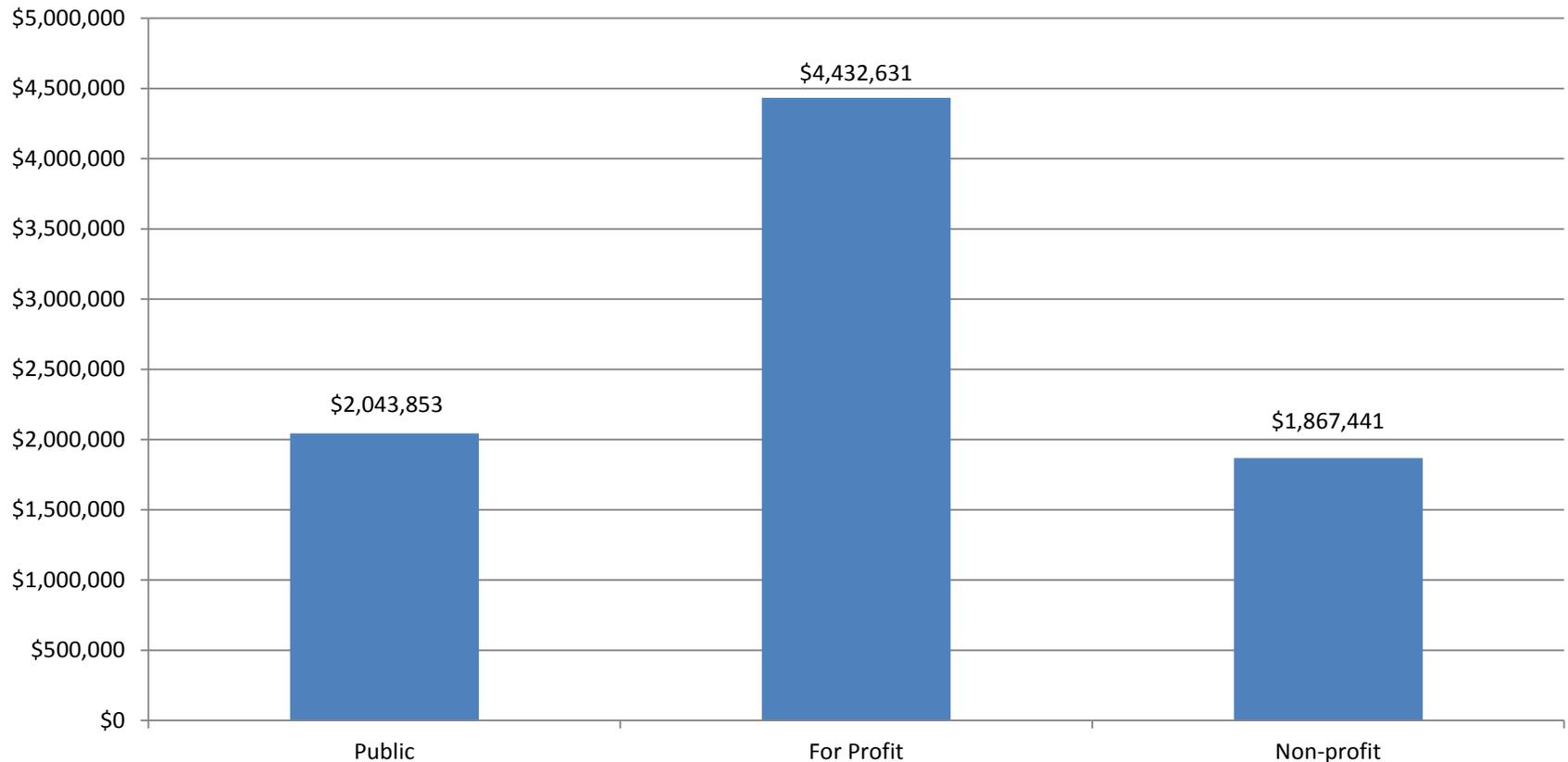
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**Awards by Applicant Type FY11 – FY 15**



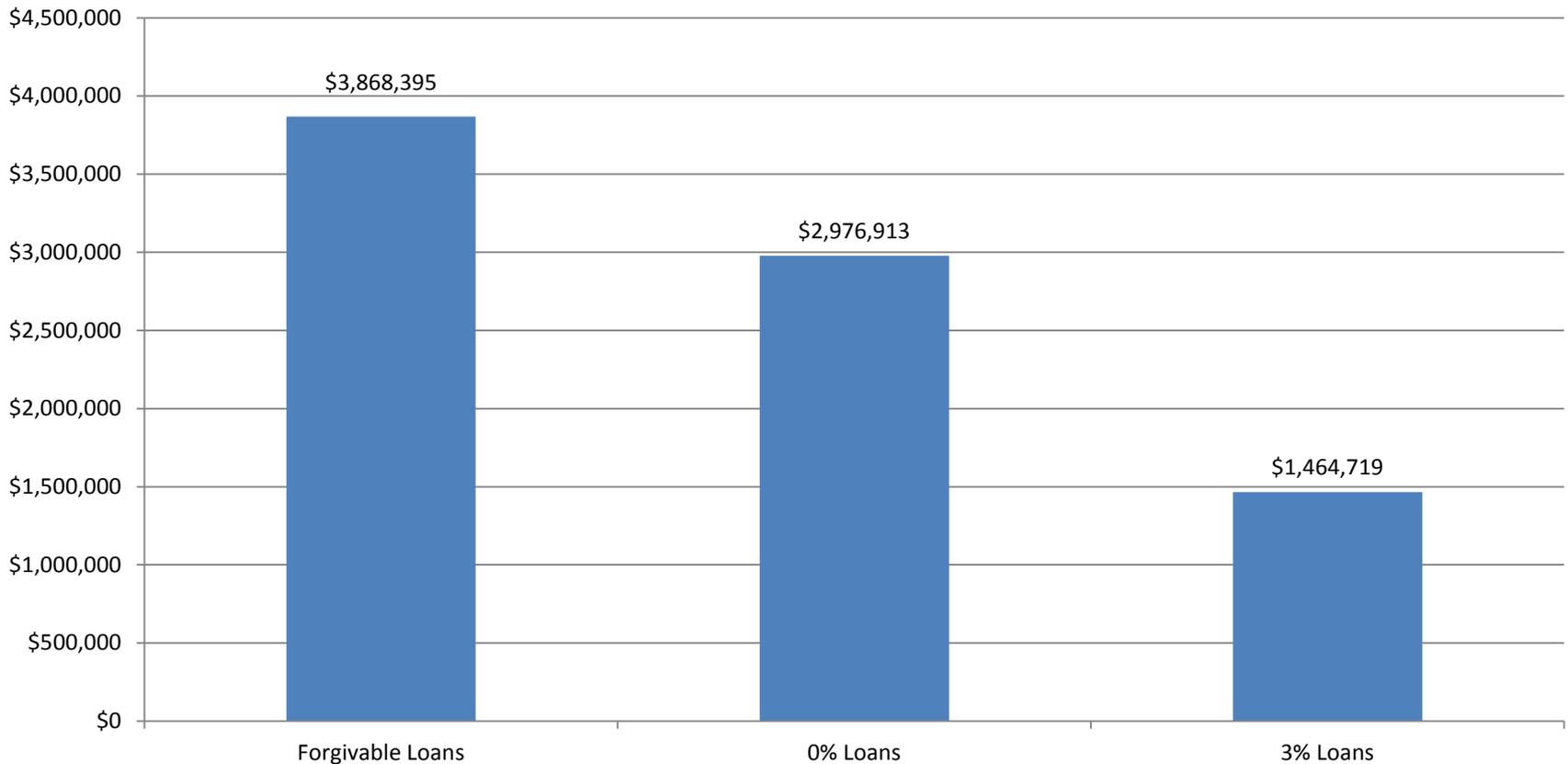
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## Amount Awarded by Applicant Type FY11 – FY15

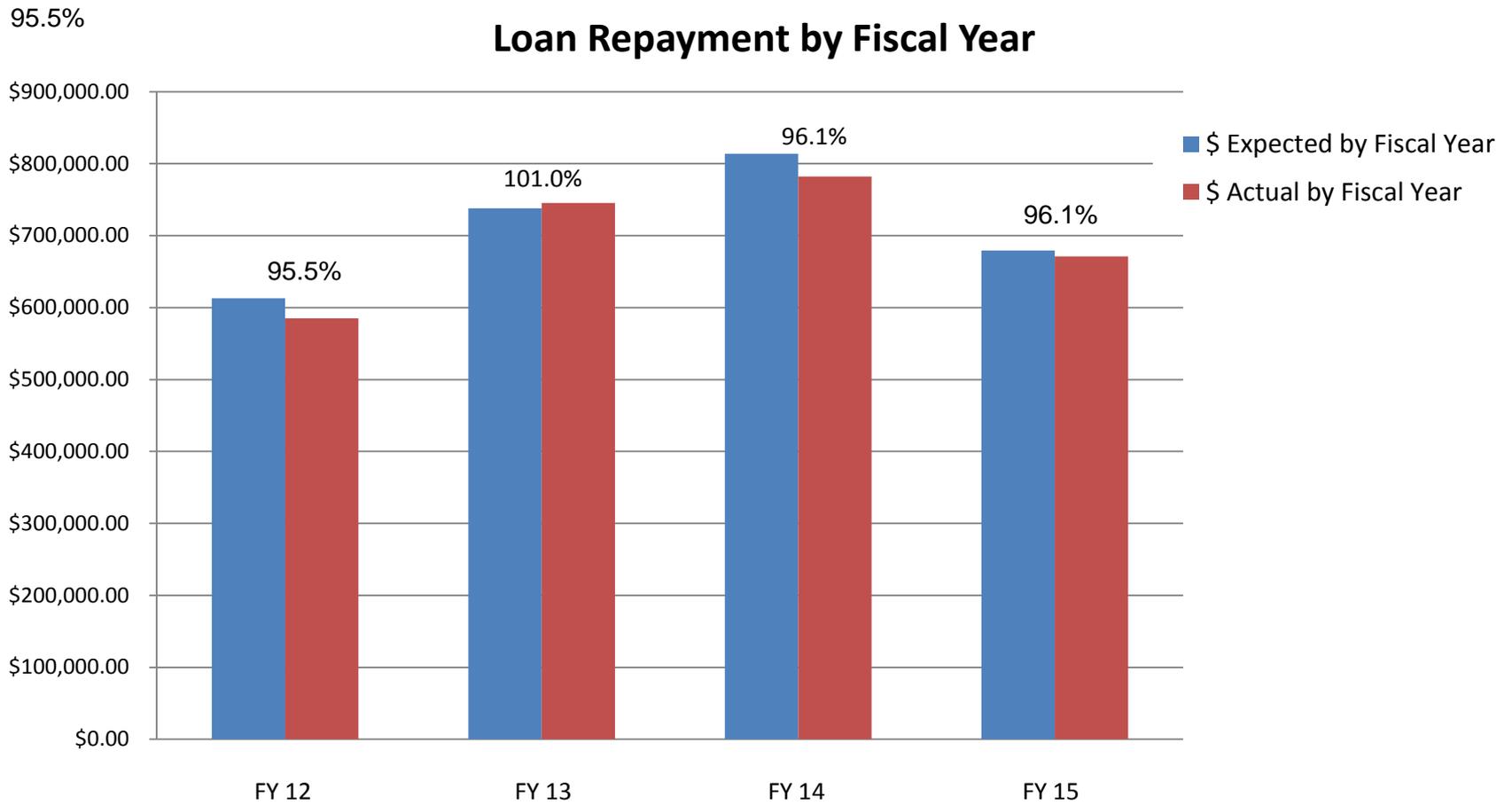


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## Funds Awarded by Loan Type FY11 – FY15



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**Is it time for...**

**LUNCH?**

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## Chapter 209 Administrative Rule Update

- Received the Governor's preclearance to initiate rule making
- Notice of Intended Action was presented and received approval at the August EPC meeting
- I anticipate the Public Hearing will be held on September 16<sup>th</sup> in Conference Room 4 West at the Wallace Building. Written comments will be accepted until the end of the day also on September 16<sup>th</sup>.
- Proposed changes to existing rule include:
  - Changed rule title to Landfill Alternatives Financial Assistance
  - Added rules specific to the Derelict Building Grant Program
  - Reformatted the rule into 3 basic sections
    - Rules pertaining to both SWAP and DB programs
    - Rules specific to SWAP
    - Rules specific to DB

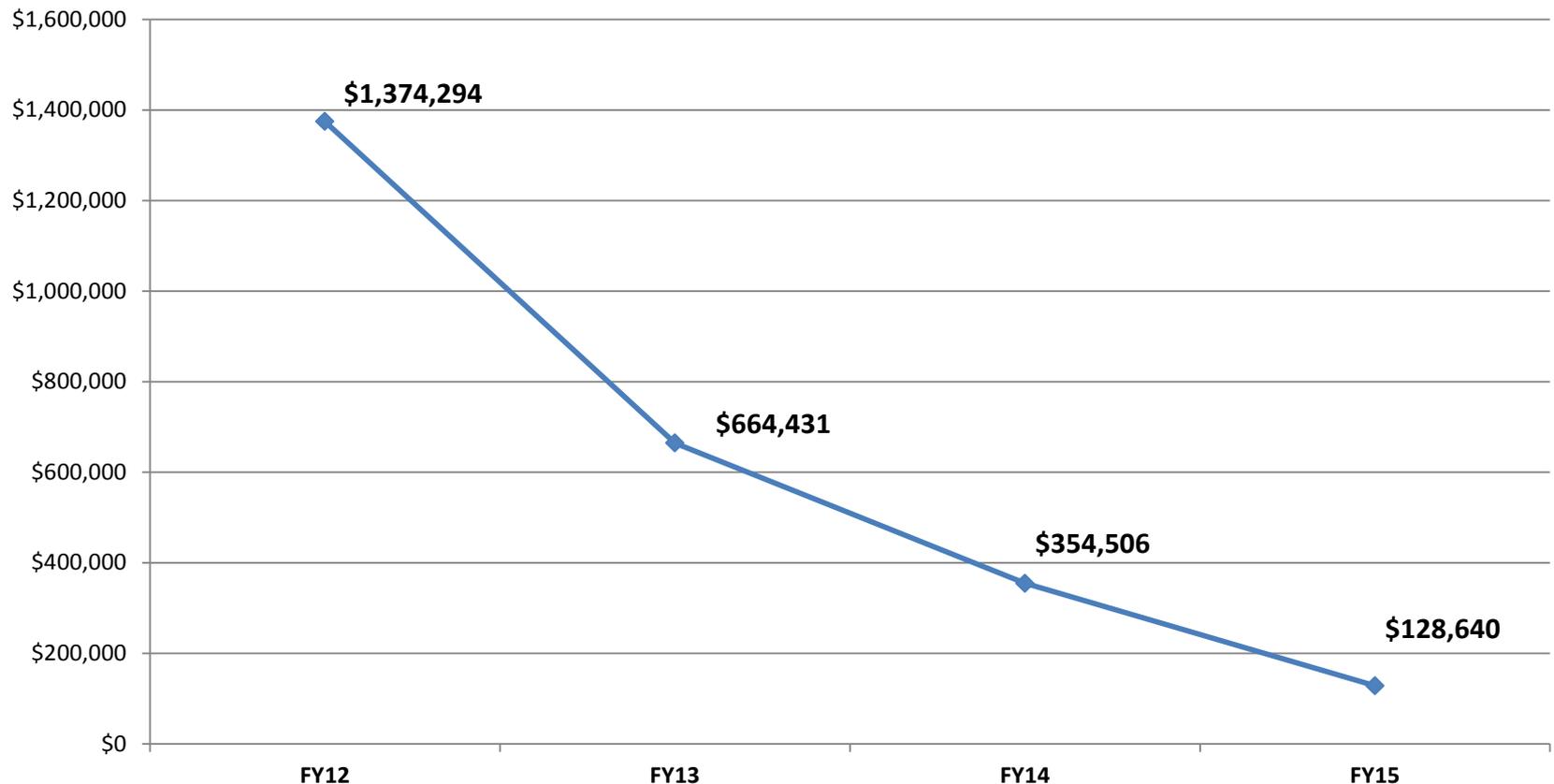
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## Hub and Spoke Study

- A comprehensive study rural recycling study that includes:
- Research and consolidation of pertinent waste generation and recycling data including existing recycling infrastructure, recycling service providers and their interest in participating in a hub and spoke recycling system.
- Research and summarize other states' rural recycling programs.
- Develop a conceptual hub and spoke recycling system for a representative geographical area of rural Iowa.
- Develop a cost / benefit analysis to implement the conceptual hub and spoke recycling system including a comparison to the existing recycling program(s) operating in the selected geographical area.

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## Available Funds - SWAP Competitive Awards and Special Projects



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## Application Review

- Items for discussion:
  - Reduce from 4 to 2 funding rounds per year
    - Responsiveness to applicant needs
    - 10 - 15 applications received per round
    - Targeted project funding needs
    - Reviewer and staff time impacts
    - Limited funding for quarterly competitive awards

## Eligibility

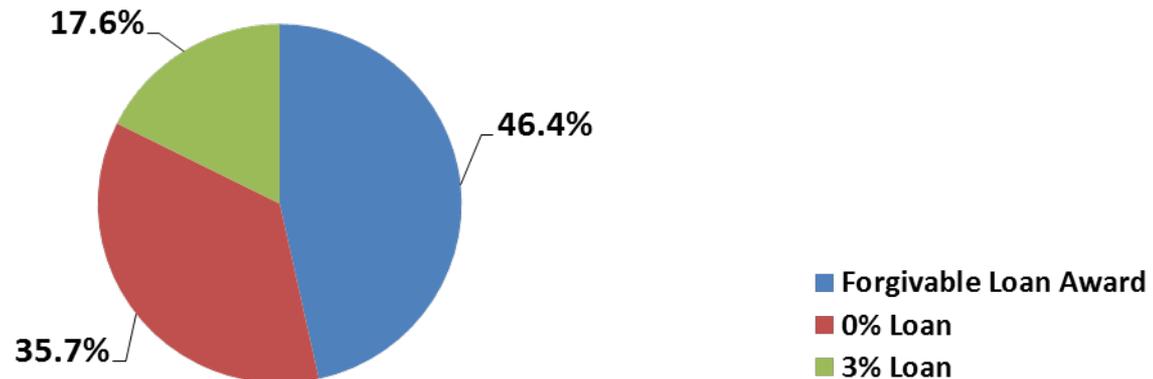
- Applicants not remitting tonnage fee
- Applicants in planning areas not remitting tonnage fees

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## Awards

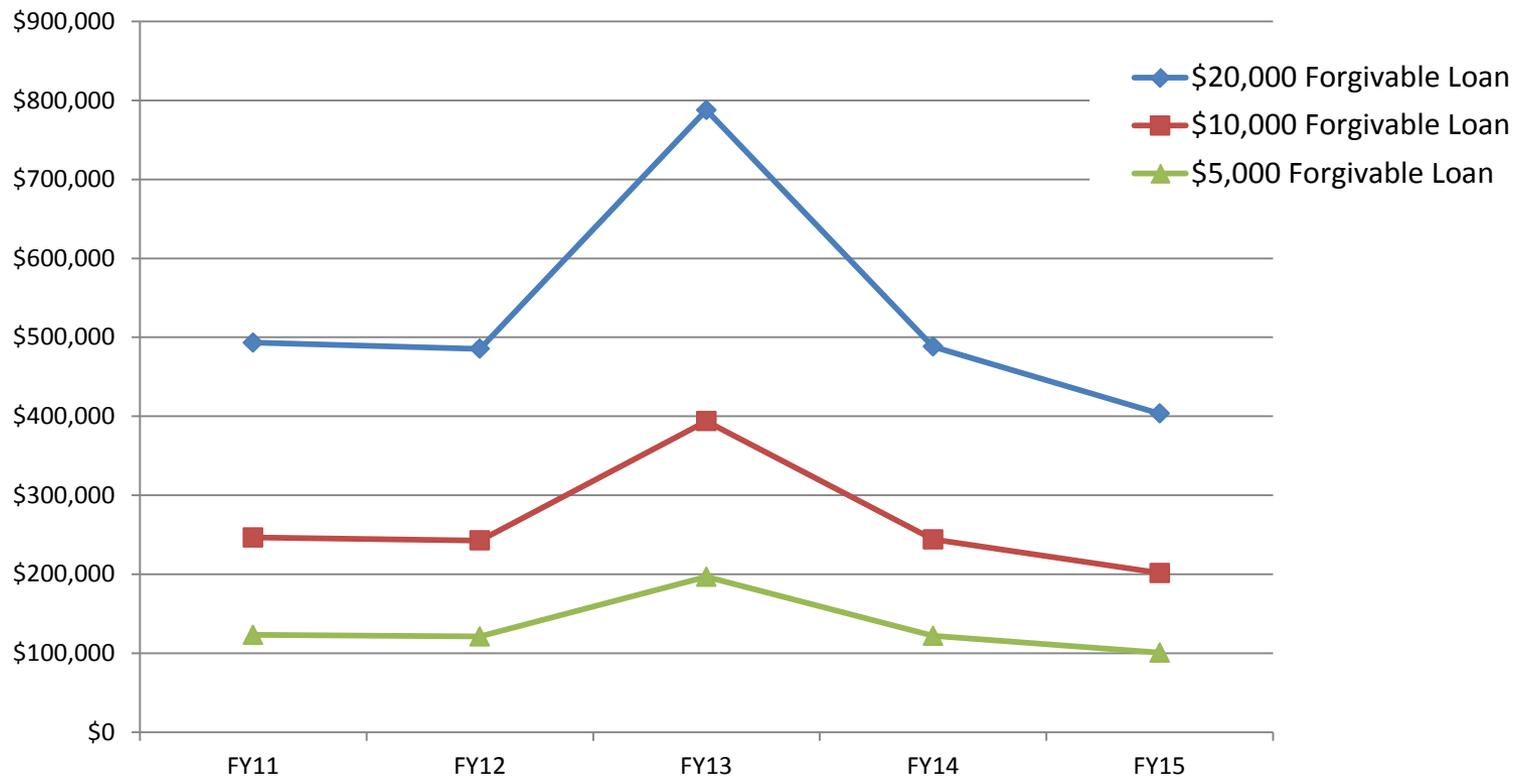
- Items to consider:
  - Decrease forgivable loan ceiling to \$5,000 or \$10,000
  - Decrease forgivable loan, reduce local cash match, eliminate 0% loans, implement a flat 3% loan rate for all awards not forgivable

### Percent of Awards by Type



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## Forgivable Loan Ceiling Alternatives



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THANK YOU!!!