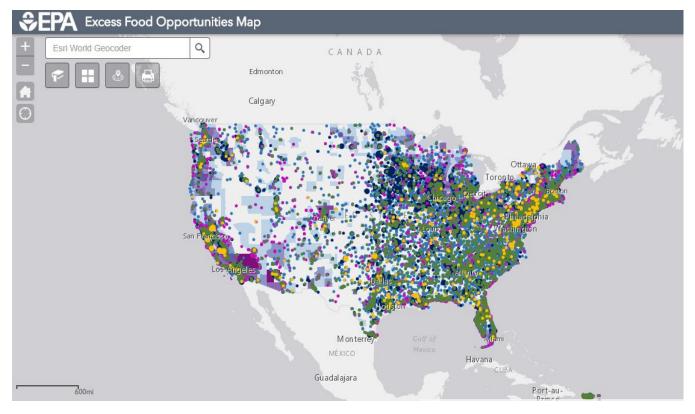
U.S. EPA Excess Food Opportunities Map

Version 1.0



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Map Overview

- Identifies potential excess food generators and estimated quantities from institutional, commercial & industrial facilities.
- Identifies potential recipients of excess food.
- Best used in combination with other publicly available complementary tools and information to identify strategic opportunities for location-specific management of excess food.
- Potential users include:
 - Cities, states, or counties wanting a better understanding of wasted food generation and potential recipients.
 - Prospective project developers (e.g., compost or anaerobic digester facility).
 - Private sector and nonprofits working to reduce food being wasted.
 - Manufacturers with excess product.





Functionality of Map

The map <u>does</u> provide:

- Geographic locations of potential generators and recipients.
- Estimates of excess food generation rates at the establishment level.
- Estimated edible fraction of excess food for grocery stores & supermarkets only.
- Plate excess estimates for colleges & universities only.
- Service area for communities with organics collection programs.
- Select contact information.

The map <u>does not</u> provide:

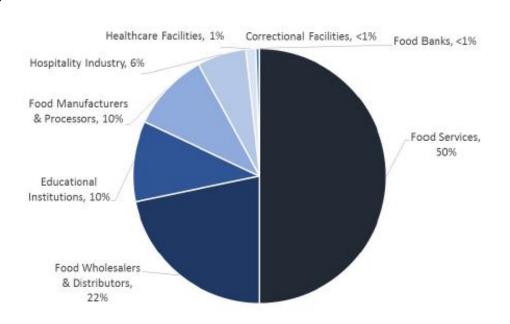
- Exact measurements of excess food.
- Indication of existing generator diversion activity.
- Capacity of potential recipients to accept excess food.
- Estimates of on-farm excess food or that from the food services sector.





Potential Generators of Excess Food

- More than 1.3 million excess-food generating establishments identified.
- More than 500,000 establishments mapped across 73 NAICS* codes.
- Industries grouped as follows:
 - Correctional facilities.
 - Educational institutions.
 - Food banks.
 - Food manufacturers & processors.
 - Food wholesalers & distributors.
 - Healthcare facilities.
 - Hospitality industry.
 - Food services.(not mapped in this version)



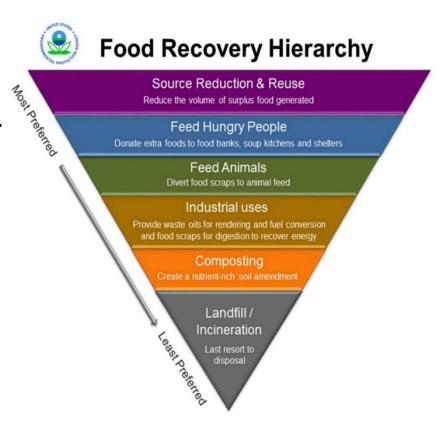
*NAICS= North American Industry Classification System





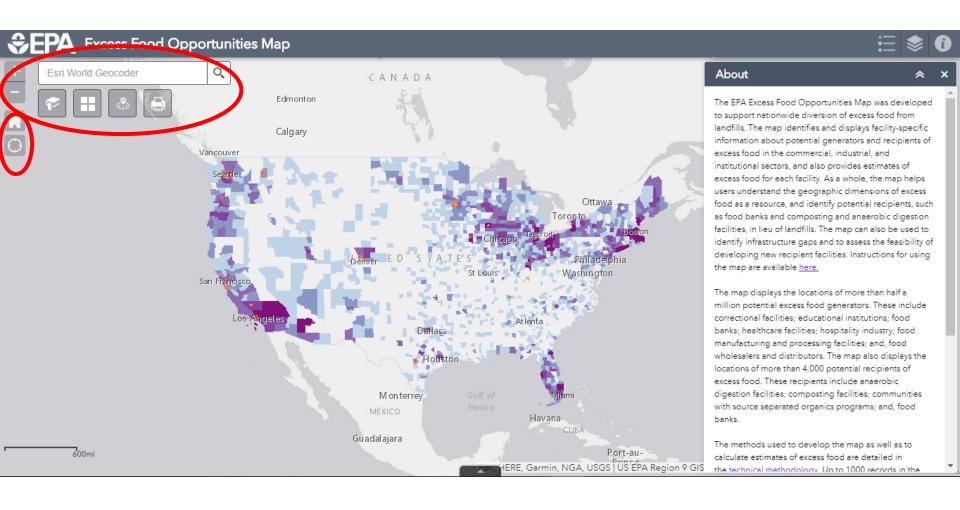
Potential Recipients of Excess Food

- Recipients include approximately:
 - > 300 food banks.
 - 1,400 anaerobic digestion facilities.
 - 2,500 composting facilities.
- Data sources include Feeding America, American Biogas Council, EPA's AgSTAR program, state composting registries.



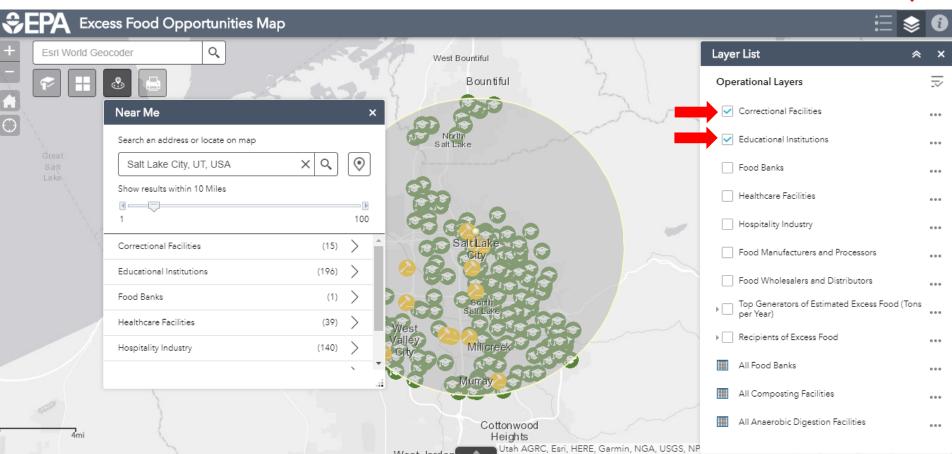


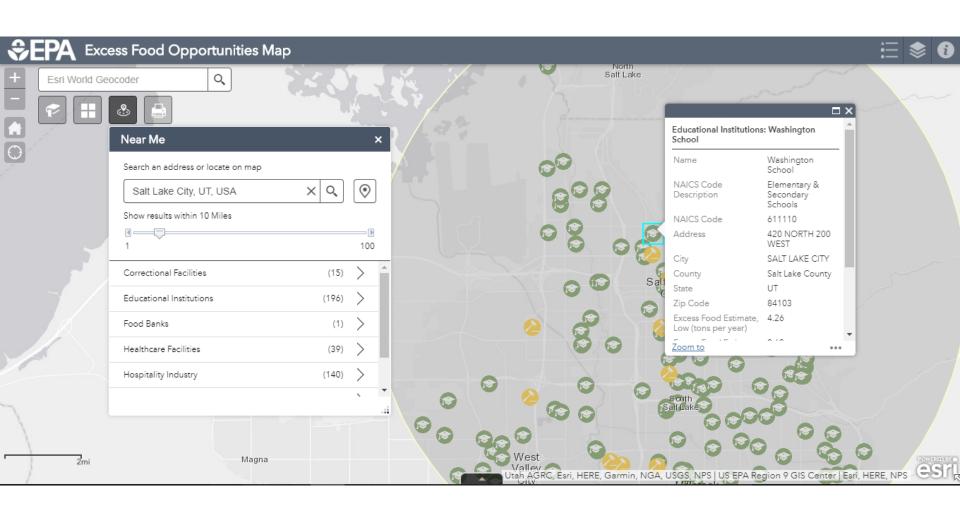


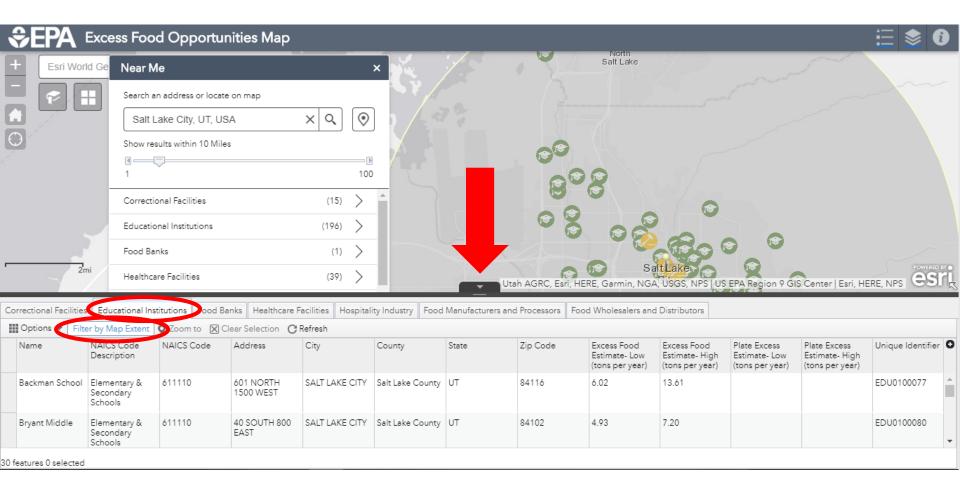


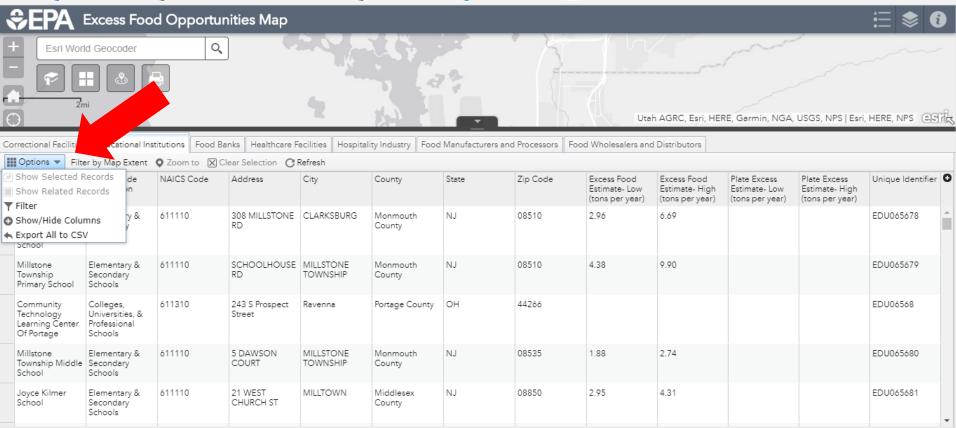
EPA Excess Food Opportunities Map Q Esri World Geocoder West Bountiful Bountiful Near Me North Search an address or locate on map Salt Lake 0 Salt Lake City, UT, USA X Show results within 10 Miles 100 SaltLake Correctional Facilities (15)City (196)Educational Institutions (1) Food Banks South Salt Lake Healthcare Facilities (39)West Valley Millcreek Hospitality Industry (140)City Murray Cottonwood 4mi Heights Utah AGRC. West lordan



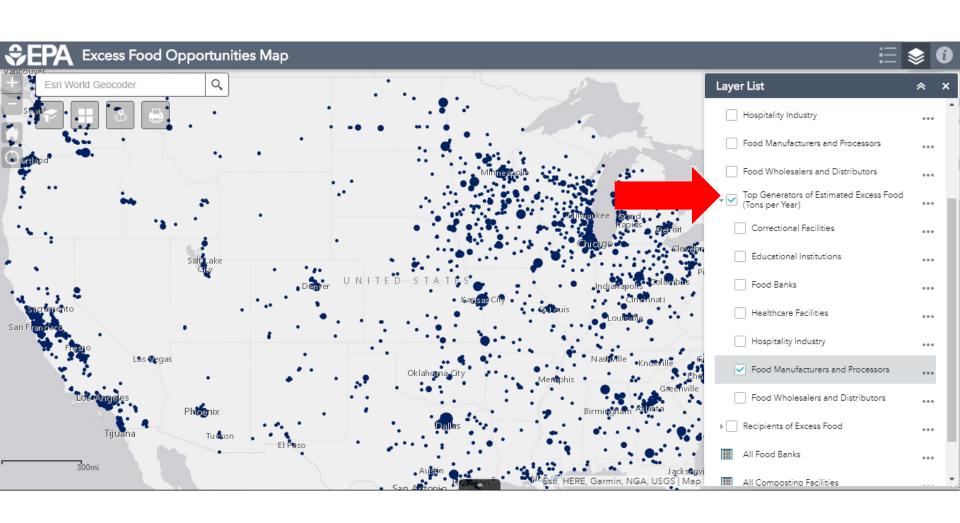




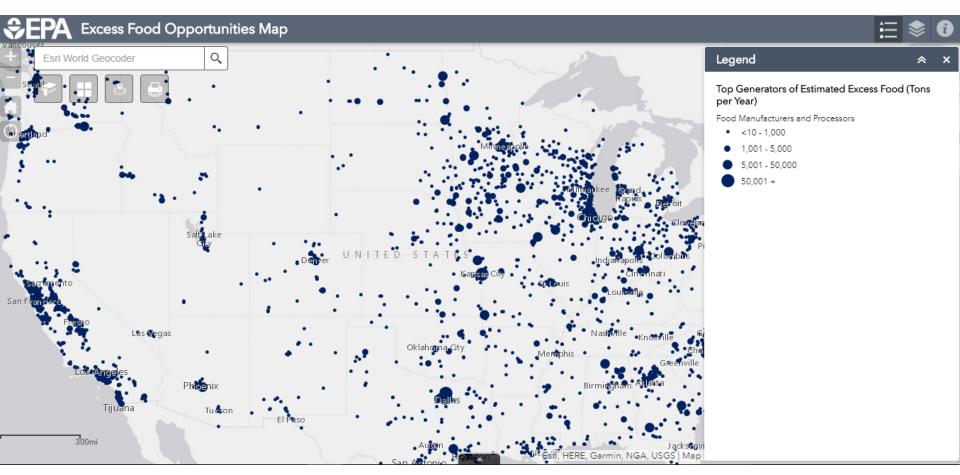


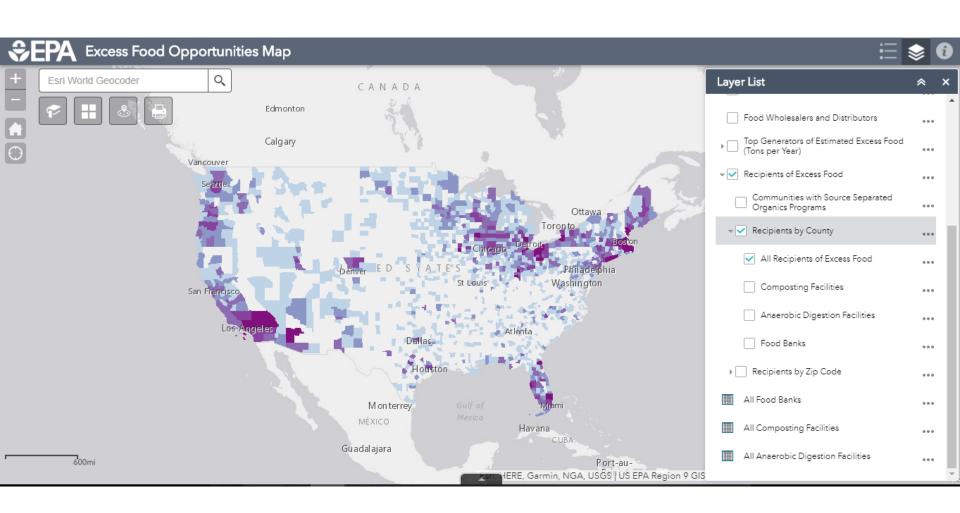


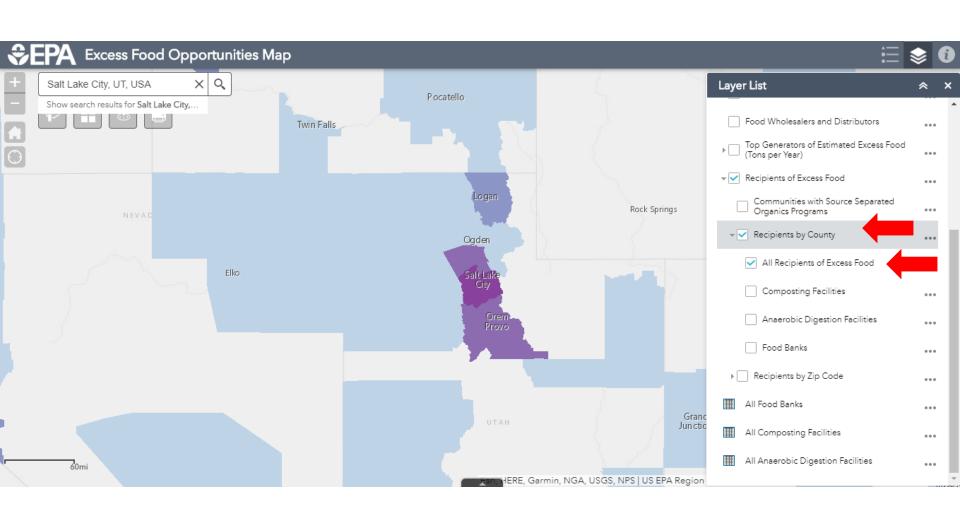
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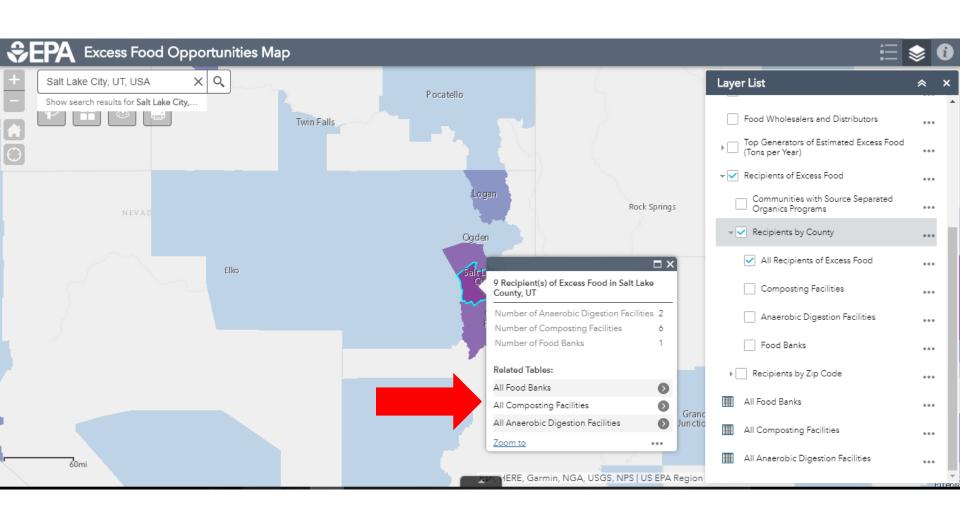


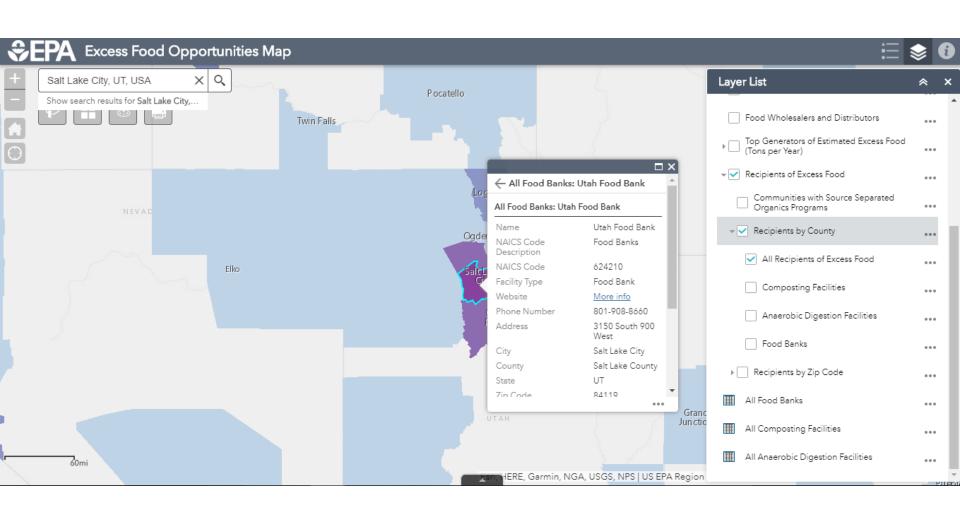


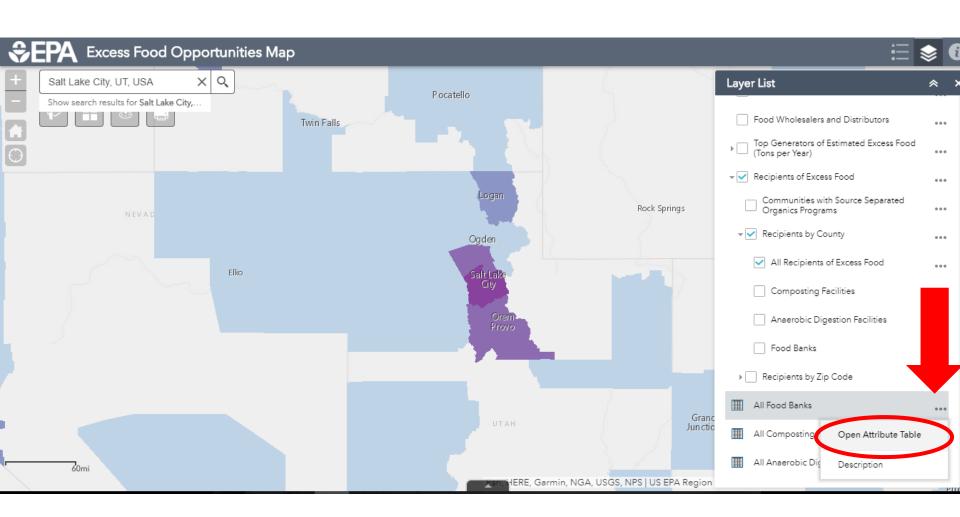


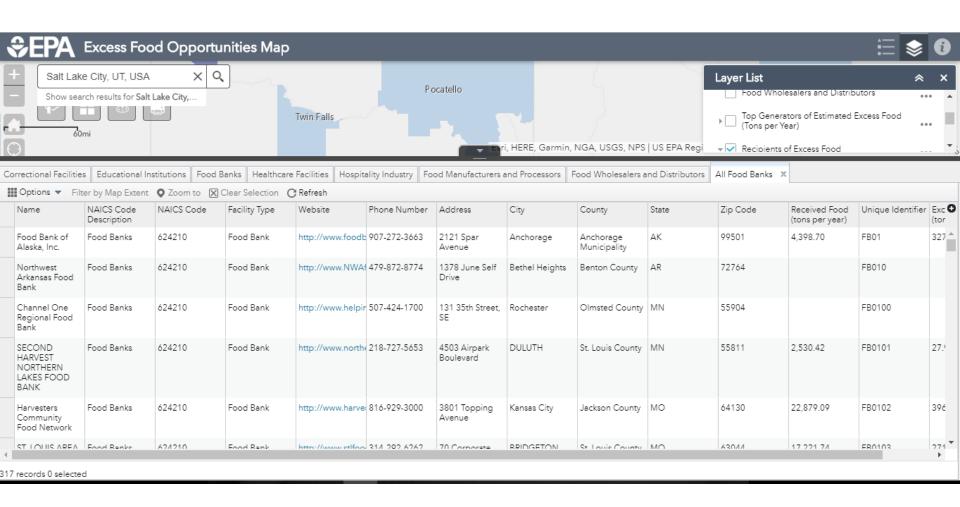


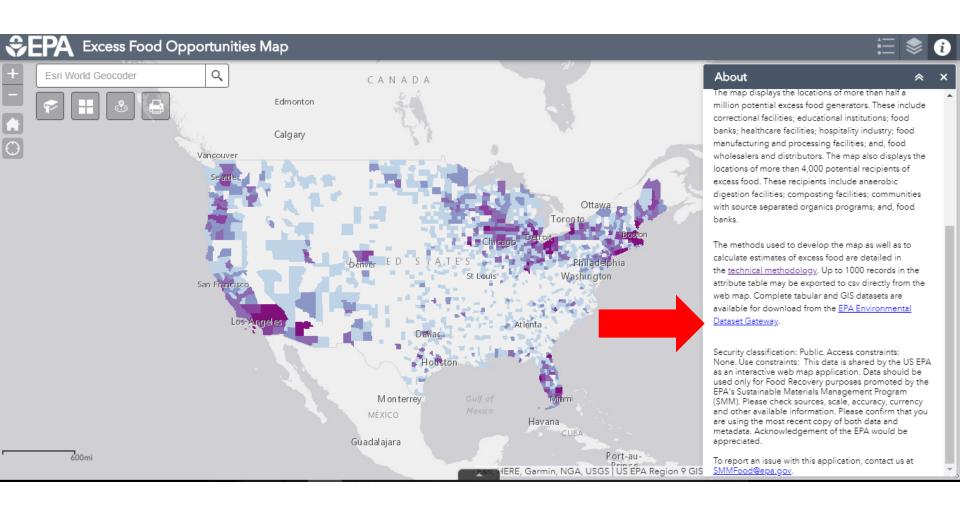












https://edg.epa.gov/data/PUBLIC/R9/ExcessFoodPublic_USTer_2015_R9.gdb.zip

Examples of Potential Generators

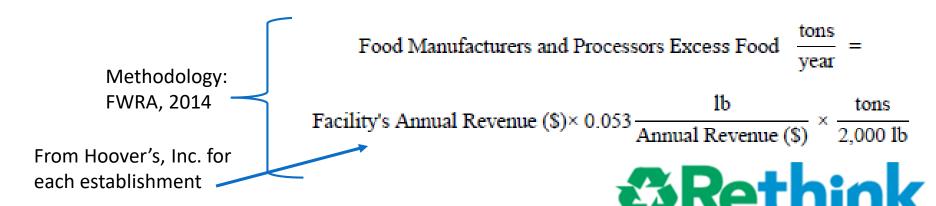
NAICS Code	North American Industry Classification System (NAICS) Code Description
311230	Breakfast Cereal Manufacturing
445110	Supermarkets and other grocery (except convenience) stores
611310	Colleges, universities, and professional schools
721110	Hotels and motels
721120	Casino hotels
922140	Correctional institutions (prisons)
622110	General medical and surgical hospitals





Estimated Excess Food Generation Rate Calculation

- 1. Identify industry-specific methodology/generation factor.
- 2. Acquire establishment-specific data (buy or download).
 - 1. From Hoover's, Inc.: commonly available business statistics such as annual revenue and employee count.
 - 2. From National Center for Education Statistics: number of students, type of schools.
- 3. Plug establishment-specific data into identified methodology to generate estimate for each establishment.
- 4. Where establishment-level data was not available, no estimate was generated but establishment was mapped.





Limitations

- Methodologies are based on sometimes dated and limited measured data.
- Existing generator diversion activity is not reflected.
- Edible fraction of excess food estimate is available only for select sectors.
- Percentage of establishments with excess food generation estimates varies widely by industry.
- Food services establishments are not included and represent 50% of universe.
- Farms are not included.
- Set of potential recipients is limited, and there is no indication of capacity to accept excess food.



How Users Can Leverage the Map

- Combine with other publicly available complementary tools and information to identify strategic opportunities for location-specific management of excess food.
- Support decision-making through identification of:
 - potential sources of food for rescue and reuse.
 - feedstocks for compost, anaerobic direction, or other excess food processors.
 - potential infrastructure gaps for managing excess food.
 - alternatives to sending excess food to landfill.
- Download data, and adapt/adopt methodology, if desired.





Map & resources

Technical Methodology.

FAQs.

User Guide.

Data available for download.

 For questions and feedback, email:

SMMFood@epa.gov

