

#15: LOCAL FOOD

OPTIONAL METRIC FOR CATEGORY A & B & C COMMUNITIES

Bold, green font indicates metrics that must improve to be recognized at Step 5

METRICS

- 15.1 **Number of local food venues**
- 15.2 Percent of housing within 1 mile of a local food venue
- 15.3 Percent of housing within 1 mile of fresh fruits and vegetables

METRIC DEFINITION

- **Local food venues include:** farmer's markets; community gardens; CSA (community-supported agriculture) drop-sites; institutions focused on serving local food; grocery stores (especially food cooperatives) selling local foods; restaurants serving local food. (Metrics 15.1 and 15.2)
- **Local food is a broad term** with multiple attributes, defined differently in different communities. Attributes typically include one or more of: sourced within Minnesota or a region of MN; fresh; healthy; indigenous, produced using more ecologically sustainable practices. Sustainable can include raised organically or using IPM (integrated pest management), humanely raised animals, fairly compensated farm workers. (Metrics 15.1 and 15.2)
- **Local food venues typically have some standards.** Often farmer's markets will accept vendors with food grown within Minnesota, or perhaps the Upper Midwest, but not food from Arizona, or Argentina. (Metrics 15.1 and 15.2)
- **In counting local food venues** communities should settle on a rough definition that fits the community culture and sense of what is local and healthy food. (Metrics 15.1 and 15.2)
- **Institutions and restaurants serving, and stores selling** local food is a judgement call. An elementary school or restaurant that routinely buys Minnesota fruits and vegetables for cooking/serving should be included, just as a grocery that always buys Minnesota foods in season would be included. But a community may use a different/stricter threshold that might include minimum procurement percentage requirements at hospitals, prisons, colleges and other institutions. (Metrics 15.1 and 15.2)
- **Housing** includes residential dwelling units that are within one mile of one or more local food venues. (Metrics 15.2 and 15.3)
- **Stores selling fresh fruits and vegetables** have a NAICS (North American Industry Classification System) code of 445110 (supermarket/other grocery) or 445230 (fruit/vegetable market). (Metric 15.3)
- **Alternative metrics:** if you have been gathering slightly different metrics, report those and explain in the notes section of the GreenStep reporting survey form how they differ from these GreenStep metrics.

DATA SOURCES

- Local licenses, records, and common knowledge of city staff; local chamber of commerce (Metric 15.1)
- **Minnesota Grown** (Minnesota Dept. of Agriculture) – search the directory at <http://minnesotagrown.com> (for farmers markets, CSAs, and pick-your-own) (Metric 15.1)
- <http://www.localharvest.org> (for farms, farmers markets, restaurants, groceries, CSAs) (Metric 15.1)

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- GIS maps and/or plat maps and census tract data ([Metrics 15.2 and 15.3](#))
- The USDA Food Access Research Atlas at <http://www.ers.usda.gov/data-products/food-access-research-atlas> has compiled data regarding access to grocery stores by census tract for the entire United States. ([Metric 15.3](#))

METRIC CALCULATION AND PUBLIC REPORTING

- **Annual measurement and reporting** for these metrics is based upon the cumulative numbers as of December 31st before the reporting year. ([Metrics 15.1-15.3](#))
- **The number of local food venues will be normalized** and reported on the GreenStep web site as number of venues per 1000 population. ([Metric 15.1](#))
- **Using a mapping (GIS) system**, map zones within which street walking (or, as the crow flies) is within one mile of one or more local food venues. Then calculate the number of residential dwelling units within the zones. Finally compare the total number of units in all zones to total housing units in the city and express the ratio as a percent. ([Metric 15.2](#))
- **For smaller communities**, dwelling units in census tracts within a mile of one or more local food venue can provide rough estimations. Or estimation from a plat map may work fine. ([Metric 15.2](#))
- **Counting groceries selling fresh fruit and vegetables** provides a more limited view of local food access, and is easy to do in a small/medium size community. For a larger community it can be done using the two NAICS codes and web data from the U.S. Census. ([Metric 15.3](#))

METRIC RATIONALE

The benefits of greater community access to and consumption of local foods include increased food security for residents, more healthful food and improved human health, enhanced soil and water quality, reductions in energy use and CO₂ emissions (in general), improved wildlife habitat, enhanced community livability and vitality, creation of green jobs, and stronger local economies.

Depending on what's included as a local food – fresh fruits and vegetables is one partial, limited definition used in one GreenStep metric - the evidence base for these benefits ranges from very strong to somewhat weak. (See studies and reports under the Local Foods Best Practice at [BPA 27.3](#)) On the strong side, for example, for Minnesota farmers markets, of each \$100 spent by community members, \$62 stays in the local economy and \$99 stays in Minnesota's economy.

The 1-mile accessibility threshold comes from work in 2007 by Design for Health (<http://designforhealth.net/food-access>), a collaboration between the University of Minnesota and Blue Cross and Blue Shield of Minnesota that serves to bridge the gap between the emerging research base on community design and healthy living with the every-day realities of local/tribal government planning. Walking/biking/busing within one mile of healthy foods is a key issue, particularly for people without cars and people of limited means.

Local food is like local beer, walking, biking and outdoor dining: important to attracting and retaining a mix of residents – especially younger residents - in most any community in Minnesota. Thus annual measurement to track improvement in the metric is important to many communities.

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STEP 5 METRICS

There are no state-wide goals for these metrics nor any guidance useful at this point in time for all communities in Minnesota. Therefore individual communities are best equipped to set realistic goals for metric improvement, and any improvement in the metrics – higher numbers, higher percentages – is desirable.

LEED FOR CITIES & COMMUNITIES

<https://www.usgbc.org/leed/rating-systems/leed-for-cities-communities>

QL Credit: Public Health

- Option 2. Policies for better public health
 - Demonstrate of
 - Affordable food access and nutrition in underserved areas, and low-income neighborhoods

NEED HELP? CONTACT

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