

CalgaryEATS! Food Action Plan Key Programs and Initiatives 2017-2021

The City of Calgary Food Action Plan – Calgary Eats! builds on community-led efforts to create a healthy, equitable and sustainable food system. Approved in 2012, the Food Action Plan contains 30 actions that focus on providing more places to grow food and sell local food so that more Calgarians can access local food and support our local and regional farms. These actions are led by The City and by Community partners.

This attachment provides one-page overview sheets on key City-led CalgaryEATS! initiatives in progress or completed since the last update on this work was shared in 2017, including:

- Alignment to CalgaryEATS! Food Action Plan;
- The purpose and vision of the initiative or program;
- The approach being applied;
- Primary outcomes and impacts of the initiative;
- The initiative's planned timeline;
- The initiative's status at the time of this report;
- The anticipated next, key steps in the coming year;
- Key initiatives that this initiative is connected to or will leverage; and
- Why the initiative is important to Calgarians.

A summary of the status of all of the City-led and Community-led actions is provided in a table format after the one-page City-led initiative overview sheets.



Progress on Key Programs and Initiatives

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Bylaw Amendments

Timeline

2017-2019

Current Status

- Complete and monitoring

Key Actions 2022-2025

- Monitor Land Use Bylaw amendments
- Complete Urban Hens Pilot Project
- Monitor Urban Beekeeping
- Review bylaws as needed

Key Connected Initiatives

- Land Use Bylaw Renewal

Why is this Important?

- The Land Use Bylaw amendments reflect increased interest in commercial food growing in the urban environment. It supports economic activity and provides Calgarians with more local food.
- The updated Responsible Pet Ownership Bylaw reflects new trends in urban agriculture such as urban hens and beekeeping. It is aligned with citizen needs and expectations, balances effective compliance and education and responds to new trends that will impact citizens and businesses.

Bylaws are essential to the development and maintenance of safe, healthy, and vibrant communities. Several bylaws currently impact the Calgary food system, such as the Land Use Bylaw and the Responsible Pet Ownership Bylaw.

Alignment to CalgaryEATS!

Action 1.2: Review City of Calgary bylaws to determine if amendments would be required for alignment to the food vision and principles.

Project Vision

The food system landscape is changing in Calgary with increased interest in economic opportunities in food production and food processing. Existing methods of growing food have improved, and new methods of growing food such as indoor vertical farms in urban areas have emerged. To accommodate new land uses a bylaw review was required.

Calgarians' needs have changed since the Responsible Pet Ownership Bylaw was updated 12 years ago. The updates to the Responsible Pet Ownership Bylaw recognized new trends that would impact Calgarians' and businesses.

Project Approach and Outcome

Land Use Bylaw Amendments: Over the course of three years, a Land Use Bylaw review identified opportunities to support urban food production, processing, and distribution. Broad stakeholder consultation was undertaken to identify issues and gauge support for change. Several topic areas were prioritized as a result. City Council adopted the proposed amendments which included a new "Food Production" use to accommodate indoor vertical farms, amendments to the "Extensive Agriculture" use to allow for greenhouses and hoop houses (2017), and a new "Urban Agriculture" use to allow for outdoor commercial farms in most districts (2019).

Responsible Pet Ownership Amendments: Public and internal engagement undertaken in 2020 provided opportunities for input into potential changes to the bylaw. In 2021 City Council adopted the proposed amendments which included an Urban Hen Program and regulation and licensing for beekeeping.

Community Farm Stand Program

Timeline

2022-2025

Current Status

- Ongoing Program

Key Actions 2022-2025

- Budget request for additional FTE to support program sustainment
- Focus on culturally appropriate foods and farmers
- Continued expansion in NE communities
- Focus on affordability

Key Connected Initiatives

- Food Resilience Program
- Support Local YYC
- MDP implementation
- The Playbook for Healthy Communities
- Social Well-Being Policy

Why is this Important?

Finding places to sell food is a challenge for small local growers. Often farmers cannot sell through the larger retail chains because their farms don't produce enough supply, or they lack the traceability large retail chains require. The City of Calgary can support a more resilient food system by utilizing city partnerships and city infrastructure to support local growers.

Working with local farms, food growers and food distributors, The City of Calgary Farm Stand Program brings fresh, healthy, local food to Calgary communities.

Alignment to CalgaryEATS!

Action 3.10.a: Increase physical accessibility to local food retail and develop a strategy to attract appropriate local food retail to areas of need.

Program Vision

The Farm Stand Program increases opportunities for Calgarians to purchase and consume locally grown food while at the same time, providing more places for local farms to sell their produce in the city.

Program Approach

The Farm Stand Program started in 2017 in partnership with Calgary Transit. Pop-up fresh food stands were located at six C-train stations in all four quadrants of the city. The goal was to place healthy local food in the pathway of commuters, making it easier to purchase local food.

In 2020 when COVID-19 health restrictions went into place, transit ridership decreased, and the farm stands needed to be relocated. At the same time, demand for local food increased. The program locations expanded to include partnerships with community associations and hubs. The 2022 season includes more than two dozen farm stands in communities across the city. The demand for farm stands has been overwhelming with more than 44 new communities requesting a farm stand.

Outcomes and Impacts

- More local food in more Calgary communities;
- More places for small local growers to sell their food;
- A stronger local food economy; and
- A more diverse food supply chain increases food system resilience.

Highfield Farm Urban Agriculture Pilot Project

Timeline

2022-2025

Current Status

- Ongoing Partnership

Key Actions 2022-2025

- Renew License of Occupation (2024)
- Greenhouse build (Sprung Structure)
- Public outreach & educational programming on growing food and composting
- Continued commitment to food donations

Key Connected Initiatives

- Climate Action
- Food Resilience Program
- The Playbook for Healthy Communities

Why is this Important?

A model for managing the City's urban agricultural supports will improve internal systems but also strengthen external stakeholder connections and customer service. Highfield Farm is a City-led initiative that benefits all Calgarians by providing educational opportunities on food growing, soil health, composting and more.

The Highfield Farm Urban Agriculture Pilot Project is a 15-acre community farm located on vacant under-utilized City-owned land. The farm is a partnership between The City of Calgary and The Compost Council of Canada.

Alignment to CalgaryEATS!

Action 2.6: Review corporate real estate portfolio and identify City-owned land that is suitable and available for urban agriculture.

Action 4.14: Review practices within Calgary that may impact environmentally sustainable food production.

Project Vision

This project will develop a process and framework for managing urban agriculture requests to establish new farms and gardens on under-utilized City-owned parcels of land. The program aims to support, promote and facilitate urban agriculture activities on City-owned land and to coordinate support for these activities across City departments.

Project Approach

The project approach included:

- A corporate real estate review
- A public Request for Applications
- Development of an Urban Agriculture Lease Framework
- Review of City bylaws, regulations and development of Urban Agriculture Guidelines

Outcomes and Impacts

- Coordinated approach to permits, approvals and guidelines to enhance urban agriculture and food production in the city through leadership from Planning and Development;
- Customer-centric approach to service delivery (connecting city-owned land to entrepreneurial urban growers); and
- Utilized two vacant city-owned parcels as an opportunity to expand urban agriculture to meet the demand for land from micro-urban growers and for incubating new business ideas.

Auburn Bay Community Farm

Timeline

2022-2025

Current Status

- Ongoing Program

Key Actions 2022

- Inventory publicly available parcels
- Create formal intake process
- Application process
- Evaluation criteria for partnerships

Key Connected Initiatives

- Interim Alternative Uses for Greenline and Blueline LRT Rights-of-Way

Why is this Important?

Public lands serve several uses around Calgary. Activating unused spaces can enhance community engagement by creating gathering places, opportunities for positive social interaction, and increasing the perception of safety. Activation can serve as incubators for future local businesses and can provide testing grounds for potential community assets in advance of significant capital investment.

This project is a partnership between CalgaryEATS! and Livable Streets (Transportation Planning) under the Council-directed Interim Alternative Uses for Greenline and Blueline LRT Rights-of-Way.

Through the community planning process in Calgary, mobility assets, including the lands that will be needed for future Light Rail Transit (LRT) expansion are considered and protected. Further, The City of Calgary has many other land assets that may be enhanced through partner activation. LRT construction can lag community development by decades, meaning their rights-of-way are acquired and maintained, yet under-utilized.

Alignment to CalgaryEATS!

Action 2.6: Review corporate real estate portfolio and identify City-owned land that is suitable and available for urban agriculture.

Action 4.14: Review practices within Calgary that may impact environmentally sustainable food production.

Project Vision

Investigate options to activate unused land holdings through community partnerships.

Project Approach

- Approach candidate organizations or establish connections through existing networks to find partners willing to experiment in this field and provide insights on the process;
- Develop criteria to assess potential ideas; and
- Develop a formal process to govern these kinds of projects, including a framework for license of occupation and partnership agreements.

Outcomes and Impacts

- Partner-led activations such as community gardens build capacity in the community, enhance the value of open spaces, and help reduce social isolation;
- Many of these sites are new community gathering spaces; and
- Activations may generate educational and volunteer opportunities in communities.

Food Resilience Program

Timeline

2022-2024

Current Status

- Scoping Phase

Key Actions 2022

- Budget request
- Team identification
- Stakeholder outreach
- Policy review

Key Connected Initiatives

- Land Use Bylaw Renewal
- Industrial Policy
- Climate Action
- Goods Movement Strategy

Why is this Important?

Crisis events can disrupt food systems in a city, leading to food insecurity for all residents and particularly those already experiencing chronic food insecurity. Crisis events can be weather-related, biological, social, political, or economic. They occur at local and/or global scales. Crises can affect the food system by disrupting farming, production, goods and personal transportation, commercial and non-profit operations, labour, prices and more. Calgary's heavy dependence on food originating from outside the city, combined with the interconnected nature of global food supplies, also means disruptions anywhere in the world can affect the availability and price of food locally.

A program that will identify ways that The City of Calgary and its partners can support a food system that ensures food is consistently available, accessible, appropriate and healthy for all Calgarians.

Alignment to the Climate Resilience Strategy

Action 7.6 Review CalgaryEATS! Food Action Plan with enhanced climate resilience lens and develop a Food Resilience Plan.

Project Vision

The program's principal objective is a Council approved Food Resilience Plan that identifies action items for future implementation.

Project Approach

This two-year initiative will assess Calgary's food system and provide a Food Resilience Plan with recommended actions for implementation. Recommended actions will help manage acute crises that affect food security, as well as improve food security by addressing chronic inequities. Through the development of the Plan, certain "quick-win" actions may be identified mid-project for immediate implementation, particularly opportunities to connect with other ongoing or emerging City work such as the Land Use Bylaw renewal, Calgary Plan, or initiatives related to the Climate Emergency Declaration.

Outcomes and Impacts

- A food system that is more resilient against short-term shocks and long-term stressors;
- "Quick-win" action items to improve food system resiliency, especially if they can be connected to other City initiatives;
- An implementation plan to encourage adoption of preparedness strategies by food system organizations and businesses; and
- Strategies, policies and legislation to bolster elements of the food system vulnerable to short-term shocks or long-term stressors.

Timeline

2023-2026

Current Status

- Scoping Phase

Key Actions 2022

- Budget request/approval
Waste & Recycling Services
- Information sessions
- Program development
- Partnership agreement

Key Connected Initiatives

- Climate Action
- Waste & Recycling Services
Strategic Direction

Why is this Important?

Food waste and loss is a major contributor to climate change and other related environmental and social issues. Implementing workshops dedicated to tackling food waste in Calgary can increase awareness around food waste and loss and is an important transition in designing our food systems to be regenerative and sustainable. Reducing food waste has a number of benefits for the City of Calgary: it can help save consumers money, improve food security, support efficiency in the agriculture, and reduce greenhouse gas emissions.

Food Waste Education Workshops

As part of the Waste & Recycling Services Strategic Direction, Waste & Recycling Services is committed to enable waste reduction, reuse, and a more circular economy through leadership, education, services and programs, partnerships, capacity-building, incentives, fees, and bylaws.

Alignment to CalgaryEATS!

Action 7.25: City-wide education programs and campaigns on food waste diversion, composting and associated water use.

Project Vision

The principal objective of food waste education workshops is to empower Calgarians to reduce food waste for themselves and in their communities through preserving, growing, and learning.

Project Approach

Starting 2023, in-person food waste workshops will focus on topics such as horticulture, kitchen skills and food preparation— examples could include canning and fermenting, vegetable growing, seed saving, etc. These workshops will be mobile and available in different communities throughout Calgary to be accessible to a diverse audience. To help the effective roll-out of the food waste workshops, a partnership will be established to assist with design, coordination and hosting of the workshops as partners have access to additional resources (such as funding, networks and connections, materials, facilities, etc.), tailored subject matter expertise and often have a strong presence in communities. Over time, the partner will be encouraged to find opportunities to expand and modify the workshops based on demand and interest from the public.

Outcomes and Impacts

- Provide hands-on solutions to Calgarians as ways to prevent food from being wasted in their households;
- Create meaningful participatory actions to address climate change and improve food system resiliency in Calgary;
- Increase food literacy in Calgarians through skill-building workshops that are accessible to diverse audiences;
- Expand the City of Calgary's reach to Calgarians through community-based organizations (partnerships) and strengthen overall community capacity; and
- Initiate Waste & Recycling Services transition towards becoming an active player in the circular economy through a focus on food waste.

Food and Yard Waste Diversion

The City of Calgary has implemented a residential Green Cart program and Waste Bylaw requirements for food and yard waste diversion.

Timeline

2022-2026

Current Status

- Ongoing program

Key Actions 2022-2025

- Improve program participation and reduce contamination
- Expand Calgary Composting Facility to process an additional 60,000 tonnes of Green Cart materials per year

Key Connected Initiatives

- Climate Action
- Calgary's Environment Strategy

Why is this Important?

Food scraps and yard waste that are disposed in a landfill produce greenhouse gases (GHG) and leachate, take up valuable space in the landfill, and miss the opportunity to produce nutrient-rich compost.

Inspections of businesses, organizations, and multi-family properties show that a majority comply with the Waste Bylaw requirements to have diversion programs in place. Further opportunities exist for The City to support improvements through education and information.

Alignment to CalgaryEATS!

Action 7.25: City-wide education programs and campaigns on food waste diversion, composting and associated water use.

Program Vision

The Green Cart program and Waste Bylaw requirements for food and yard waste diversion enable Calgarians to reduce and manage their waste responsibly now and into the future.

Program Approach

In 2017, The City of Calgary started a Green Cart program for single family homes and introduced Waste Bylaw (4M2020) requirements for multi-family residences and businesses and organizations to collect and divert their food and yard waste.

The Calgary Composting Facility is the largest of its kind in Canada. The facility is owned by The City of Calgary and operated by AIM Environmental Group. The facility produces high quality compost from both food and yard waste collected from the Green Cart program and dewatered biosolids, a nutrient-rich by-product from wastewater treatment.

The City of Calgary uses an education-first approach to bylaw enforcement. The City conducts proactive inspections and education for compliance with Waste Bylaw diversion requirements.

Outcomes and Impacts

- Calgarians have embraced food and yard waste diversion using their Green Carts. Since the Green Cart program was implemented, the amount of garbage disposed in Black Carts has been cut in half;
- In 2021, the Green Cart program diverted over 110 thousand tonnes of food and yard waste from landfill, reducing greenhouse gas emissions and producing nutrient-rich compost; and
- Through the annual compost giveaway, residents can obtain compost made with materials collected in the Green Cart program for use in their yards and gardens. The City also provides compost to community gardens.

COVID-19 Food Security Response Stream

Timeline

2022-2025

Current Status

- Ongoing program

Key Actions 2022-2025

- Monitor pandemic related food insecurity
- Update food asset map as required
- Increase communication to help inform, influence connectivity and support collaboration to better enable food security for all Calgarians
- Document learnings for future Emergency Food Response Plan (see subsequent project brief)

Key Connected Initiatives

- Social Well-Being Policy
- Equity Index
- The Playbook for Healthy Communities
- Climate Action

Why is this Important?

Food insecurity is closely related to financial security. It is clear that COVID-19 caused work interruptions, thereby compromising individuals' abilities to meet financial obligations and secure essential needs. COVID-19 also caused some changes in consumer shopping behaviours which resulted in food shortages, and border closures caused temporary supply chain issues.

At the onset of the pandemic, the COVID-19 Food Security Response Stream was created as part of the larger City of Calgary's COVID-19 response. The purpose was to identify and understand gaps in the food system, and to support collaboration with and amongst community organizations to create solutions.

The Food Security Response Stream was replaced by The Food Resilience Team in 2021 to reflect the ongoing need to continue to address food insecurity Calgarians are experiencing.

Alignment to CalgaryEATS!

This was an adaptive response to a food system resilience challenge presented by the COVID-19 pandemic, not an action in CalgaryEATS!

Initiatives and Outcomes

- Created a database of 100+ organizations that were responding to the emerging need for food;
- Co-hosted monthly meetings to monitor food needs and encourage collaboration;
- Worked with City departments to open facilities for essential services;
- Provided community groups with education on COVID-19 public health orders;
- Worked with Calgary Transit to map routes and provide drivers to deliver 123 food bank hampers;
- Created a community food map to highlight where to find food assets and emergency food throughout the city. (This map continues to be maintained and can be found on the Access to Food page at www.calgary.ca);
- Expanded the Farm Stand Program to more than 21 new locations; and
- Developed a Food Security Research Brief on the impact of COVID-19 on household food insecurity.

Longer-term work has been identified for 2022-2025 that will create more resilience in our ability to respond to short-term shocks and long-term stressors as well as in our emergency food system.

Emergency Food Response Plan

Timeline

2022-2025

Current Status

- Scoping Phase

Key Actions 2022

- Team identification
- Environmental scan of Municipal Emergency Food Response Plans
- Survey Partner Organizations

Key Connected Initiatives

- CalgaryEATS! Food Action Plan
- Climate Resilience Strategy
- CEMA Disaster Risk Assessment

Why is this Important?

The food supply system is complex and made of many parts. Private, not-for-profits, and The City of Calgary all play a critical role. The just-in-time nature of the food supply system means that a supply chain interruption could be felt almost immediately. It typically takes multiple agencies to coordinate a food response for those that need it.

This was an adaptive response to a food system resilience challenge presented by the COVID-19 pandemic, not an action included in CalgaryEATS!

Project Vision

To create an internal document for City of Calgary employees to refer to about lessons learned on food support during a state of emergency that requires sheltering in place for a protracted period of time.

Project Approach

- Develop a roadmap with steps, recommendations and lessons learned;
- Develop a communication process/strategy for both internal and external audiences;
- Support capacity of external organizations; and
- Document best practices for a municipal emergency food response.

Outcomes and Impacts

- The City of Calgary plays a leadership role in addressing food insecurity, and promoting a resilient and sustainable food system to support vulnerable communities and residents;
- Ensures that future City of Calgary employees have a documented overview of the food response during the COVID-19 pandemic that could help to inform response during future states of emergency;
- The City of Calgary increases its knowledge and institutional capacity to be effective during times of food emergencies;
- A coordinated network of food organizations, initiatives, and City departments will increase communication and help to better coordinate a food emergency response in real time; and
- Integrate emergency food response into the planning and work of key City departments.

Food Access Collaborative

Timeline

2022-2025

Current Status

- Scoping Phase

Key Actions 2022

- Budget request
- Team identification
- Stakeholder outreach
- Policy review

Key Connected Initiatives

- Land Use Bylaw Renewal
- Industrial Policy
- Climate Action
- Goods Movement Strategy

Why is this Important?

Crisis events can disrupt food systems in a city, leading to food insecurity for all residents and particularly those already experiencing chronic food insecurity. Crisis events can be weather-related, biological, social, political, or economic. They occur at local and/or global scales. Crises can affect the food system by disrupting farming, production, goods and personal transportation, commercial and non-profit operations, labour, prices and more. Calgary's heavy dependence on food originating from outside the city, combined with the interconnected nature of global food supplies, also means disruptions anywhere in the world can affect the availability and price of food locally.

A community collaborative of multiple agencies involved in the emergency food sector and The City of Calgary.

Alignment to CalgaryEATS!

Action 6.18 Embed the food system vision and principles and food security in community food security strategies.

Project Vision

The Food Access Collaborative vision is that all Calgarians are food secure by collaborating to meet immediate food needs with dignity, and by addressing the root causes of food insecurity.

Project Approach

- The role of The City of Calgary is as a neutral facilitator and convener;
- The City of Calgary provides in-kind resources to support the Food Access Collaborative;
- Meetings occur monthly; and
- Currently in process of strategic planning.

Outcomes and Impacts

- Increased collaboration amongst community organizations and The City of Calgary;
- Shared advocacy opportunities, including education and policy changes;
- Identified ways that The City of Calgary and its partners can support a food system that ensures food is consistently available, accessible, appropriate and healthy for all Calgarians; and
- Continued work towards a dignified model of improved food access for all Calgarians.

Community-Led Food Security Initiatives

The CalgaryEATS! Food Action Plan is a shared strategy between The City of Calgary and community partners. The Food Action Plan contains City-led actions and community-led actions. There are many food security initiatives happening across Calgary, led by multiple and changing community partners. Highlighted below are key initiatives led by community partners, for which The City of Calgary provides support.

Fresh Routes Affordable Mobile Grocery Markets

Fresh Routes is a mobile grocery store that brings healthy, fresh, and affordable food into neighbourhoods facing barriers — allowing choice, maintaining dignity, and building community. Fresh Routes partners with The City of Calgary to identify locations for markets and to reduce barriers for residents seeking to access affordable food. Fresh Routes works with City Community Social Workers to find community locations, increase local volunteers, and promote the markets to ensure success for the communities and sustainability for Fresh Routes.

Pay-What-You-Can KIN Food Markets

KIN Markets is a new project under the Leftovers Foundation to increase food access within Calgary. The model is a pay-what-you-can model to bridge the gap and need for more fresh, healthy and affordable groceries.

Community Fridges and Pantries

Community fridges and pantries have been popping up in neighbourhoods across the city. Local groups have created the fridges and pantries in response to growing food insecurity in Calgary. Residents in need can access food free of charge or donate food. The City of Calgary supports these initiatives by providing locations, helping groups to navigate the permitting and permissions needed, and by providing funding through the Community Social Worker grant program.

Good Food Box Program

The Good Food Box Program is a program under the Community Kitchen Program of Calgary whereby anyone can purchase boxes of fresh fruits and vegetables at an affordable price. The Good Food Box Program offers a Hands Up approach as opposed to a Hands-Out. The program is supported by volunteers and runs out of local community associations. The City of Calgary Community Social Workers and Neighbourhood Partnership Coordinators support this program through coordination and promotion

Calgary EATS! Action Implementation Status 2022

The CalgaryEATS! Food Action Plan is a shared plan between The City of Calgary and the broader Calgary community. There are 30 actions as part of this Plan: 14 of those are City-led actions; 4 are a collaboration between The City and the Community; and the remaining 12 are Community-led actions. The following table provides a status update on all of the actions in the CalgaryEATS! Food Action Plan.

	Action	Status
Potential Area for Action Implementation	1. Regulation, Legislation & Advocacy 1. Collaborate with Alberta Agriculture & Forestry (AAF) on the Local Food System Needs Assessment Project, associated policy issues and directions. Include: <ol style="list-style-type: none"> Streamline policy and regulations; Communication and awareness of regulations. 2. Review City of Calgary bylaws to determine if amendments would be required for alignment to the food vision and principles.	1. Not started (City-led Action) 2. Monitoring (City-led Action) Completed Land Use Bylaw Amendments for Food Production (2017) and Urban Agriculture (2019). Completed Responsible Pet Ownership Bylaw Amendments for Urban Hens and Beekeeping (2022).
	2. Planning & Land use 3. Development of a Food Policy and associated strategies as part of the Calgary Metropolitan Region Growth Plan and Servicing Plan to influence development at the regional level. 4. Embed the food system vision and principles as policies and strategies within growth management, land use planning and design through: <ol style="list-style-type: none"> considerations in any future annexation proposed; potential consideration within the Framework for Growth and Change; Land use policy plans, guidance and studies; Outline plan, development permit and building permit applications. 5. Continued support for the Community Garden Program, Orchard Pilot and urban agriculture at both a city-wide and community level assisted by completion of Phase 2 of the land Inventory. 6. The Corporate Real Estate Portfolio Review will provide a means of identifying City-owned land that may be suitable and available for urban agriculture.	3. Complete (City-led Action) Participated in the agriculture sub-committee as part of the development of the Calgary Metropolitan Region Growth Plan and Servicing Plan (2019). 4. Sustainment (City-led Action) Regular participation as a technical advisor on Policy plans and applications. 5. Sustainment (City-led Action) The Parks Department continues to lead the Community Garden Program. 6. In Progress (City-led Action) Completed a vacant land inventory suitable for urban agriculture with Real Estate and Development Services in 2018. Negotiated lease agreements for Highfield Urban Farm and Auburn Bay Community Farm. Efforts continue to explore opportunities for urban agriculture on City-owned land. 7. Status Unknown (Community-led Action)

	Action	Status
	<p>7. Explore land-share opportunities ranging from private yards/gardens to large-scale landowners.</p> <p>8. Explore co-location opportunities and strategies to increase efficiencies and use of resources e.g., co-locating food processing facilities or industrial site waste heat generator co-locates by greenhouse development:</p> <ul style="list-style-type: none"> a. Commencement of site design and appropriate land use to enable co-location; b. Fostering collaboration between tenants and landowners in suitable co-location opportunities. 	<p>8. Not started (Community & City-led Action)</p>
<p>3. Logistics and Transportation</p>	<p>9. Explore and implement Food Hub(s): Raise awareness, provide best practice examples, coordinate stakeholders;</p> <ul style="list-style-type: none"> a. Use AAF inventory of local brokers and distribution companies to identify potential partnerships; b. Use open-source logistics mapping to identify suitable sites within the region (large scale as well as community halls etc.), routes and distribution networks. <p>10. Increase physical accessibility to food retail (reduce prevalence of food deserts):</p> <ul style="list-style-type: none"> a. Map access to grocery stores near walkable streets and primary transit service for households with no vehicle; b. Use this with existing mapping to identify food deserts and prioritise areas of need; c. Develop a strategy to attract appropriate food retail outlets to areas of need; d. Design new developments to consider physical accessibility to food considering all modes of travel: driving, taxis, walking, cycling and transit. e. Locate urban agriculture (particularly community gardens and allotment gardens) in close proximity to transit and users (walkability). Review the parking need and impact. 	<p>9. Not Started (Community-led Action)</p> <p>10. In Progress (City-led Action) Proximity to food retail is now mapped as part of the monitoring of the Municipal Development Plan goals. Further work needs to be done on prioritizing areas of need.</p>
<p>4. Environment</p>	<p>11. Map the ecological footprint of our local food system built upon mapping at the source, supplier, retailer or restaurant level.</p> <p>12. Explore alternative fuel sources e.g., biofuels, electric/hybrid, right-sized vehicles etc. for food distribution.</p> <p>13. Pilot the development of greenhouse technology in Calgary using sustainable methods such as waste heat.</p>	<p>11. Incomplete (Community-led Action)</p> <p>12. Incomplete (Community-led Action)</p> <p>13. Complete (Community-led Action)</p>

	Action	Status
	14. Review practices within Calgary that impact environmentally sustainable food production as necessary and appropriate.	14. In Progress and monitoring (City-led Action) Urban Agriculture Guidelines were created in 2017 for outdoor urban farm projects. The Guidelines are being tested and monitored through the Highfield Farm Urban Agriculture pilot Project.
5. Economic Development	15. Coordinate and provide information about the availability of shared facilities for processing (equipment, space, transportation, labour, labelling etc.). 16. Skill building and knowledge sharing as part of green collar employment. Explore and expand opportunities for social enterprise and community economic development. 17. Develop a Food Trust Fund and explore vouchers or Calgary dollars to redistribute dollars to food programming and support training school cooks, retrofitting kitchens and developing sustainable foods sourcing and menus (e.g., Jamie Oliver's School Dinners).	15. Incomplete (Community-led Action) 16. In Progress (Community-led Action) 17. Incomplete (Community-led Action)
6. Community Programs	18. Embed the food system vision and principles and food security as a constellation within the Poverty Reduction Strategy. 19. Support and expand kitchen provision, skill-building community kitchen programs and community gardens/rooftop gardens as part of affordable and attainable housing or housing support. 20. Institutions collaborate on the development of a Farm to Cafeteria/ School etc. approach in Calgary. 21. Explore issues, opportunities and actions at a community level for supporting the food vision and principles.	18. In Progress (City & Community led Action) Food Access and Food Insecurity challenges are being explored and addressed through the Food Access Collaborative. 19. Scoping (City-led Action) 20. Not Started (City-Community led Action) 21. Unsure of Status (Community-led Action)
7. Education Programs	22. Continued support by the Calgary Board of Education (CBE) for embedding environmental stewardship and associated programs such as edible gardens within curriculum delivery to an increased number of schools. 23. Mapping of school food gardens, schools with food education programs and those that use produce in school lunches. 24. Education program on seasonal local food nutrition etc. e.g., develop a Calgary Seasonal Food Calendar to educate people about what is 'in-season' locally – educate consumers to ask questions of chefs, cafeterias, grocery stores etc. 25. City-wide education programs and campaigns on food waste diversion, composting and	22. In Progress (Community-led Action) 23. Not Started (City-led Action) 24. Not Started (Community-led Action) 25. In Progress (City-led Action)

	Action	Status
	<p>associated energy and water use. Both City of Calgary and consistent support funding for partner programs e.g., Green Calgary. To increase the programs to collect data on changing norms.</p> <p>26. 3rd party certification (e.g., LEAF) for restaurants and food service providers.</p> <p>27. Expand labelling and marketing material associated with sustainable food sources e.g., local marketing material in grocery stores.</p> <p>28. Collaborate with the universities and other post-secondary institutions for opportunities for on-going data collection, research and actions related to the food system assessment and recommended actions.</p>	<p>26. In Progress (Community-led Action)</p> <p>27. Not Started (City-led Action)</p> <p>28. In Progress (City-led Action)</p>
8. Governance	<p>29. Ensure the continuation of the Calgary Food Committee to steward the implementation of the action plan in the context of the imagineCALGARY partnership and the constellation model. Draft revised terms of reference and review of membership based on moving to an implementation mandate.</p> <p>30. Develop and manage a web-based information source to share the findings of the food assessment and provide resources to the public.</p>	<p>29. Complete (City & Community led Action)</p> <p>30. Ongoing (City-led Action)</p>