

PROJECT GOALS

- To demonstrate leadership in sustainability
- To create an urban agriculture project in the City of Langley
- To convert underutilized land into a community amenity for local residents
- To demonstrate the potential of urban agriculture to contribute to the local economy through urban direct market agriculture and increased employment with green collar jobs
- To demonstrate the potential of urban agriculture to contribute to community resiliency through local food provision
- To provide a venue for experiential agriculture education and incubator farm space
- To partner with Kwantlen Polytechnic University, a leader in urban and peri-urban agri-food systems research and education

PROJECT TIMELINE ESTIMATE

PHASE 1: Project Start-Up (approx. 2 months)

PHASE 2: Fundraising for Detailed Project Plan (approx. 2 months)

PHASE 3: Detailed Project Planning (approx. 12 months)

PHASE 4: Fundraising for Implementation (until target is reached)

PHASE 5: Implementation (approx. 6 months dependent on time of year)

PHASE 6: Program Development and Site Management (ongoing)

PHASE 7: Evaluation (ongoing)



The City of Langley has entered into a partnership with Kwantlen Polytechnic University's Institute of Sustainable Horticulture to assess the viability of an urban agriculture project within the city limits. Utilizing a BC Hydro Right-of-Way, the demonstration project has the potential to meet identified opportunities highlighted under several goals in the City of Langley's Sustainability Framework.

In an era when more people live in cities than ever before, there is an increased importance to strengthen the connections between people and their food system. Today with rising food prices, climate change and environmental degradation it is pertinent that we create resilient, bioregional food systems that are fully integrated within the planning, design, function, and economy of our communities.



kwantlen.ca/ish/research/agri-food.html
city.langley.bc.ca

Langley Urban Agriculture Demonstration Project



A partnership
project
between:

City of
Langley



KWANTLEN
POLYTECHNIC
UNIVERSITY

KWANTLEN POLYTECHNIC UNIVERSITY
INSTITUTE FOR SUSTAINABLE HORTICULTURE

LANGLEY URBAN AGRICULTURE PROJECT IDEAS

A COMMUNITY AMENITY UNDER THE HYDRO LINES

POSSIBLE VISIONS:

Linking communities, food and ecological services

Community amenity with market and non-market agricultural production

Sustainable agriculture demonstration and research

Farmer's market with produce from incubator farms, biodiversity farm, and others

Healthy communities, healthy ecologies

FUTURE GREENWAY CONNECTION!

ZONE ONE ENTRANCE

Gardens + Farmers' Market

orchard (spindle trees)
fragrance + 4-season flowering garden
butterfly garden
wheelchair accessible garden plots
flowering hedgerows
market stall space
storage/processing
cooler
offices
washrooms
hoophouses

Accessibility

green parking lot (permeable, swales...)
paved bus drop off and turnaround
paved wheelchair accessible parking
solar charging stations for EV vehicles
bike parking
ped crosswalk/bus stop
future greenway connection

POTENTIAL PARTNERS

Langley Farmer's Market Group
Kwantlen Polytechnic University
(orchard, enterprise students)

ZONE TWO DEMO + RESEARCH

Biodiversity farm

hoophouses
office/facilities/processing
solitary bee demonstration
research plots, incl. soil remediation
vermicomposting
flowering hedgerows

Children's demonstration farm

bug garden
school gardens
flowering hedgerows

POTENTIAL PARTNERS

Langley Environmental Partners
Institute for Sustainable Horticulture,
Kwantlen Polytechnic University
local elementary schools

ZONE THREE PRODUCTION

Community Garden

senior's garden/high raised beds
medicinal garden
herb garden
flowering hedgerows
tool storage
washrooms/composting toilet
gathering pavilion/plaza

Market gardens

incubator farms
hoophouses
additional fields for crop rotation
flowering hedgerows
Side street entrances

POTENTIAL PARTNERS

City of Langley
Community Garden organization?
Kwantlen Polytechnic University, farm
program grads

ZONE FOUR NATURAL SYSTEMS

Large-scale compost

Biogas demo?

Restored natural landscape

Potential wetland (ephemeral)
stormwater system
(depends on slope analysis)

Back entrance

Future greenway connection

POTENTIAL PARTNERS

LEP, others tbd

FLOWERING HEDGEROWS a consistent theme throughout

- three to four season flowering
- visual and scent connection across the zones
- increase biodiversity
- food for bees, enhances ag production
- windbreaks

Predominantly native species include:

Indian plum
mock orange
red flowering currant
salmonberry
serviceberry
Nootka rose
trumpetvine
blueberry/huckleberry

IDEAS AND DRAWING CONCEPTION:

Deb Henderson + Kent Mullinix
Institute for Sustainable Horticulture
Kwantlen Polytechnic University

Ellen Pond
Collaborative for Advanced Landscape
Planning, UBC

