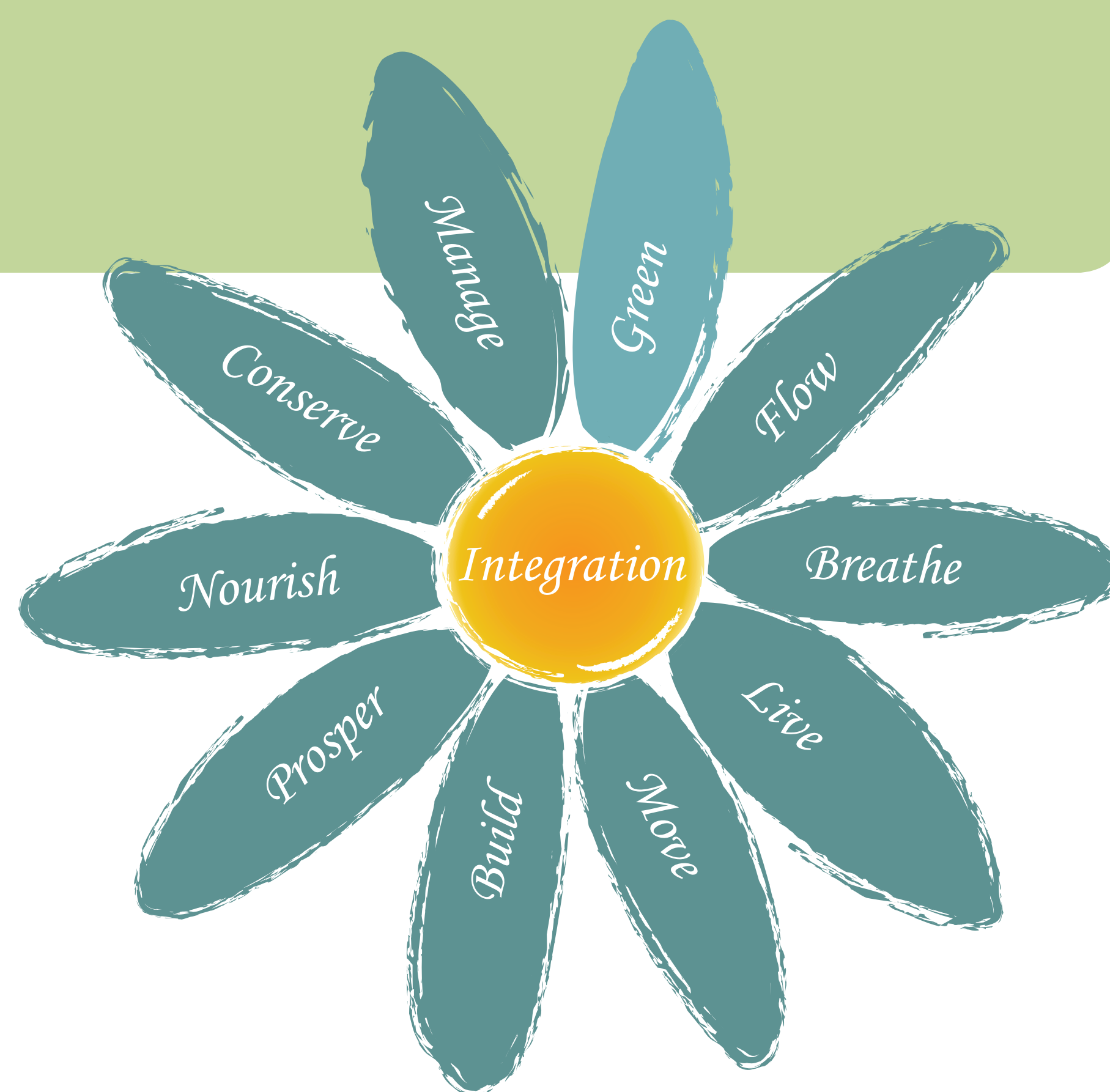


# Green - Green Space & Habitat

**Goal:** Healthy and resilient ecosystems.

## Why green space and habitat matter:

- People, plants and wildlife all depend on healthy habitat.
- Green space makes our city more livable. It's a big part of Burnaby's identity.
- Healthy forests and wetlands clean our air and water.



## Now

**Now:** Burnaby has protected a lot of green space within parks and conservation areas. These areas provide homes for birds and animals, and places for people to enjoy nature.



### Did you know?

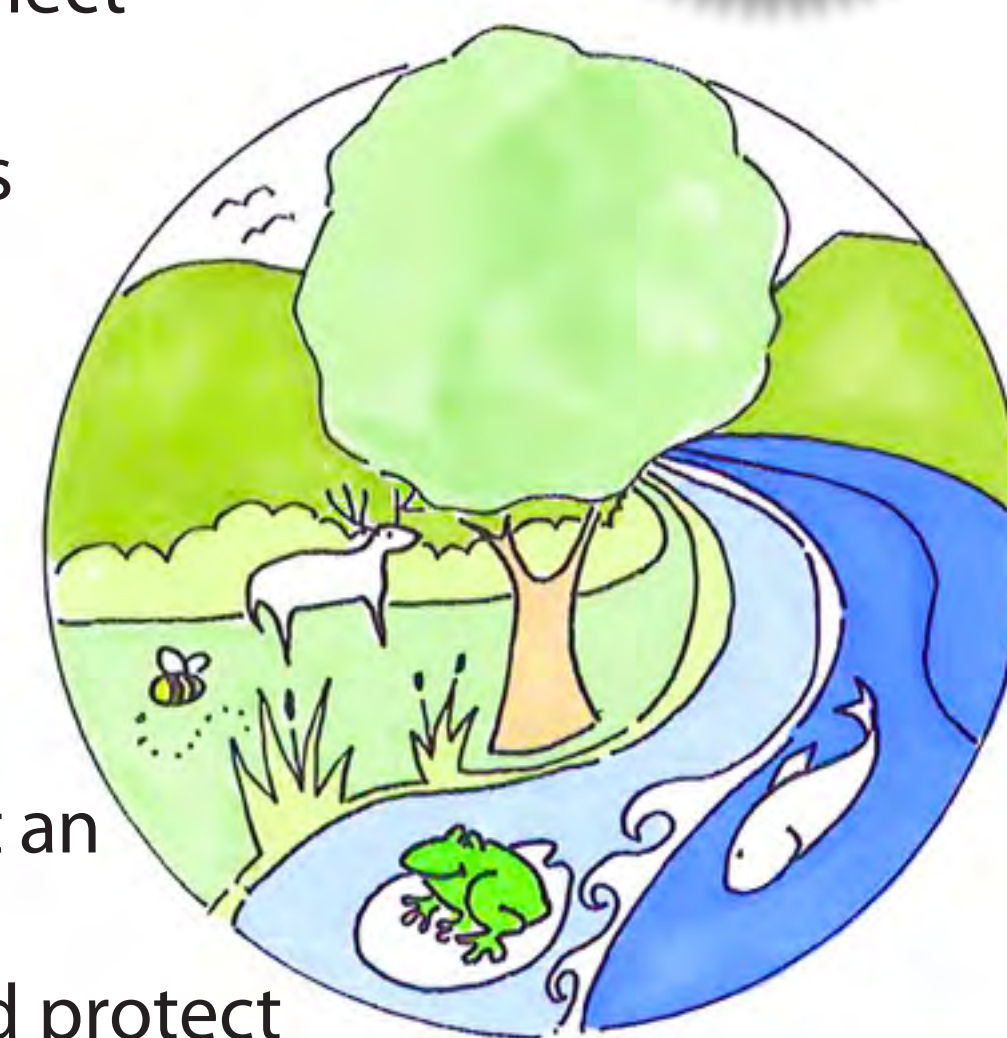
- Burnaby has over 150 parks covering about 2,400 hectares (6,000 acres) – that's six times the size of Stanley Park.
- 25% of Burnaby is park and conservation area.
- Burnaby is one of the greenest major cities in Canada.

## Future

**We Will:** Protect and connect green spaces, restore and improve habitat for plants and wildlife, and encourage everyone to support healthy ecosystems.

### This could include:

- Develop and implement an ecosystems strategy.
- Continue to identify and protect important habitat areas.
- Connect existing important habitat areas with habitat corridors.
- Restore and improve habitat on public and private lands.
- Reduce harmful impacts of human activities.
- Promote the value of habitat and ecosystems.
- Reduce the environmental and economic impacts of invasive species.



**We want your ideas!**

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## Did we miss anything?

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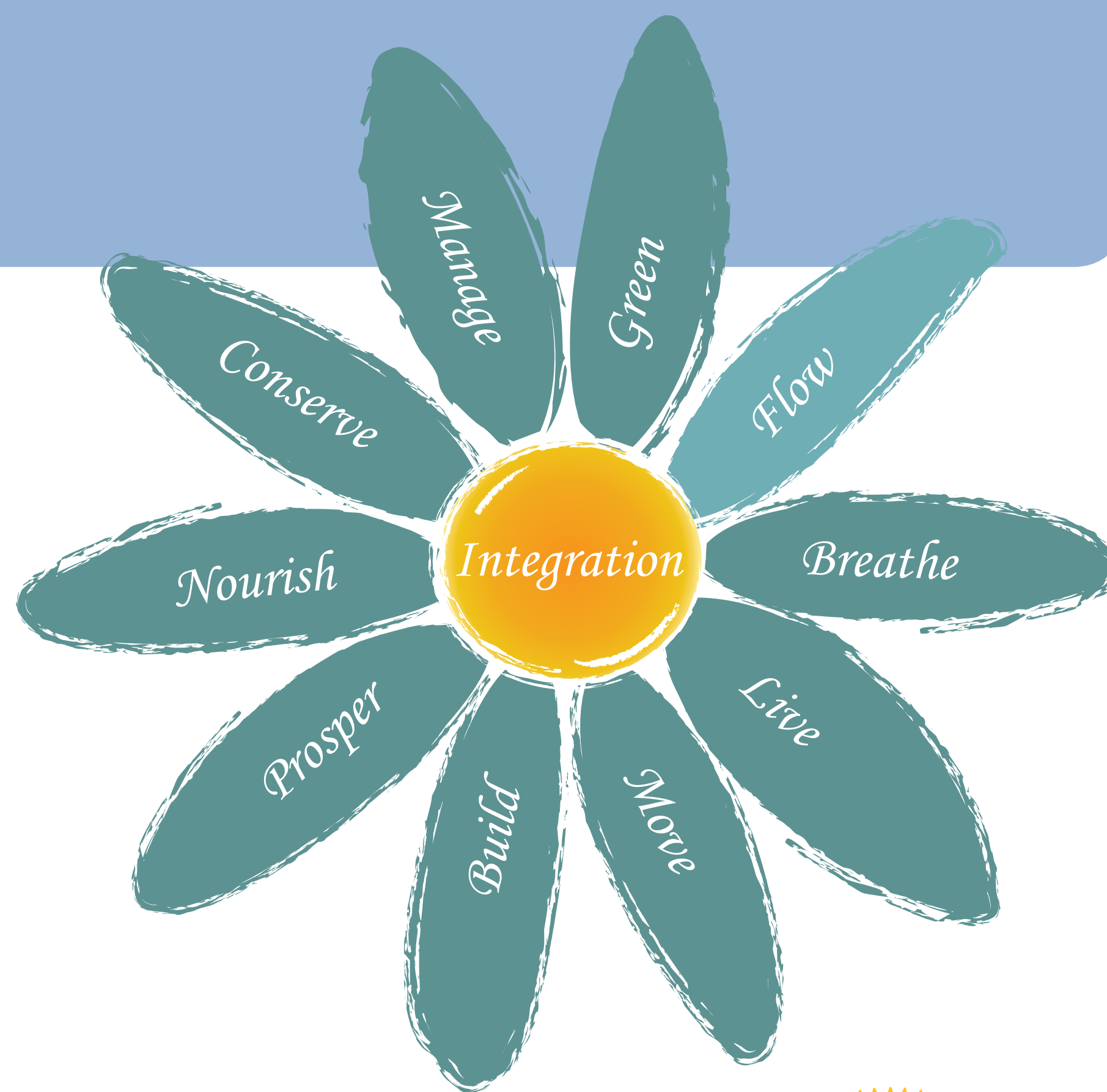
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# Flow - Water Management

**Goal:** Healthy and resilient watersheds.

**Why water management matters:**

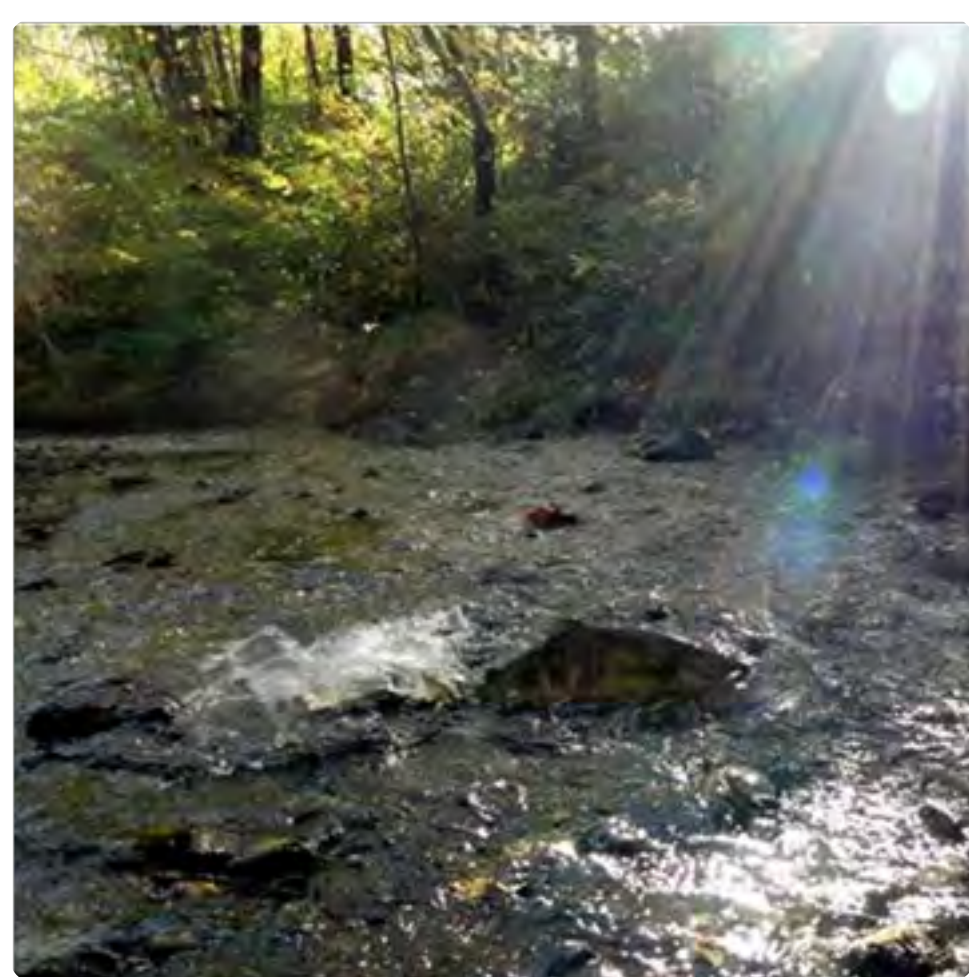
- A clean and reliable source of water is fundamental to human health, healthy habitat and the functioning of any city.
- In Burnaby, water flows off buildings, land and other surfaces into local streams, lakes, wetlands and the ocean.
- Conserving water ensures that Burnaby can grow and prosper while reducing the amount of costly water and sewer infrastructure we have to build.



**We want your ideas!**

## Now

**Now:** Burnaby has rich ecosystems that include streams, wetlands, lakes and ocean coastline.



**Did you know?**

- Burnaby has over 90 streams in three major watersheds – Burrard Inlet, Brunette Basin (Central Valley) and Fraser River.
- Burnaby has protected most open natural streams instead of piping them underground.
- Recently salmon have returned to streams in the heart of the city where they have not been seen for decades.

## Future

**We Will:** Protect and improve water quality, imitate nature's water flows, and conserve drinking water.

**This could include:**

- Manage water to restore its natural (pre-development) flows and quality.
- Protect, restore and improve aquatic ecosystems like ponds, lakes, streams, wetlands and marine areas.
- Protect and improve water quality in aquatic ecosystems like ponds, lakes, streams, wetlands and marine areas.
- Conserve water.



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## Did we miss anything?



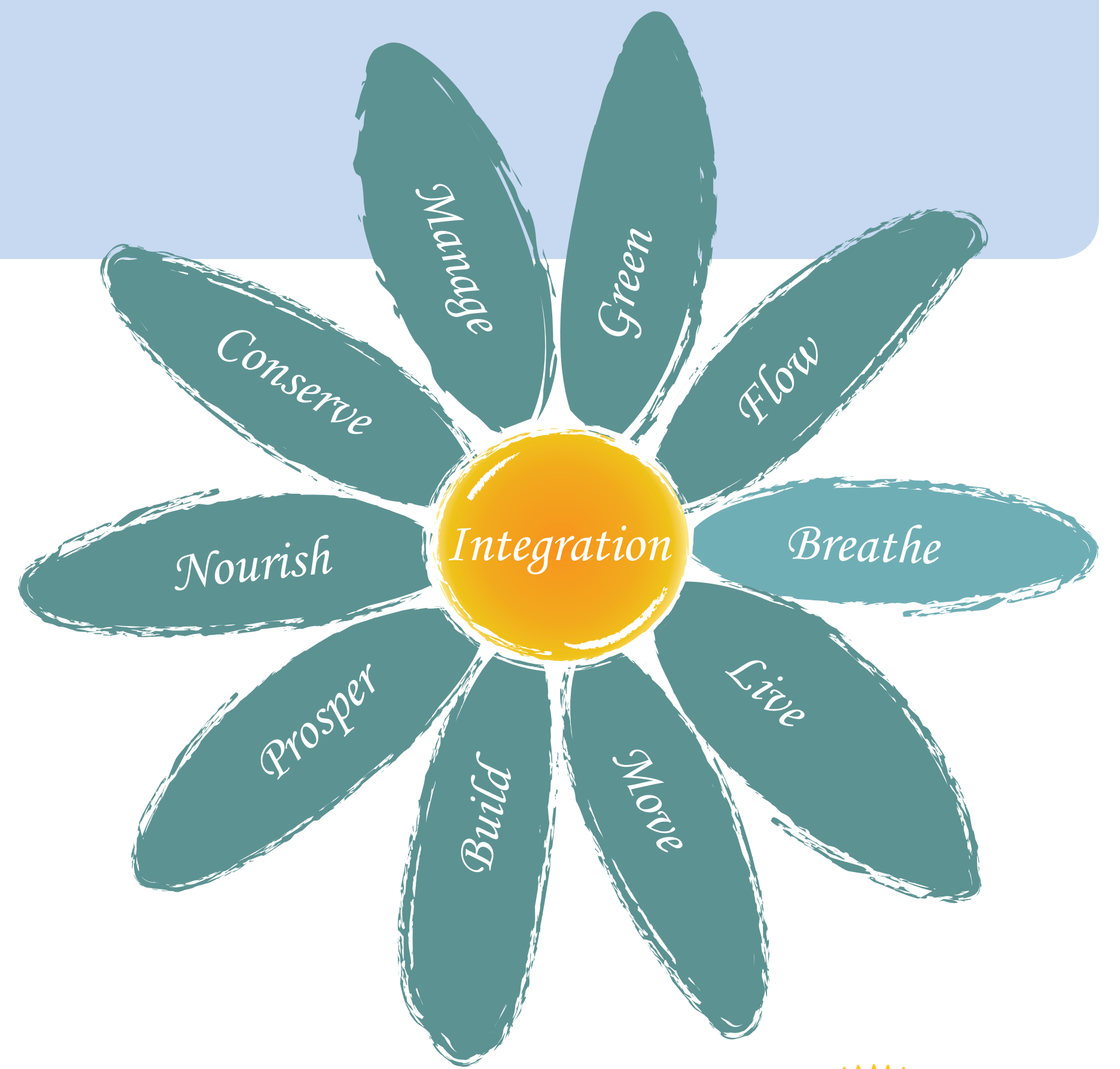
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# Breathe - Climate & Air Quality

**Goal:** A community resilient to climate change, with clean air and low carbon emissions.

## Why climate and air quality matter:

- Climate change is one of the most pressing local and global issues of our time, yet there are many things we can do to help.
- Adapting to climate change can improve the livability of our neighborhoods and town centres and make them less vulnerable.
- Air quality has a direct impact on our health.



## Now

**Now:** Burnaby is currently developing a Community Energy and Emissions Plan (CEEP) focused on reducing energy use and greenhouse gas (GHG) emissions. This plan is also expected to improve air quality, make our buildings more efficient, support more sustainable transportation, and encourage clean and affordable energy.



### Did you know?

- About \$300 million per year is spent on energy by everyone living and working in the City of Burnaby.
- Burnaby's per person greenhouse gas emissions (4.2 tonnes) are lower than many other cities including Toronto (8.2 tonnes), New York (7.2 tonnes), and London (6.2 tonnes).
- Burnaby's emissions are produced 50% by transportation, 45% by buildings, and 5% by solid waste.
- Burnaby's current target to reduce community GHG's by 5% is being reviewed in the CEEP.

## Future

**We Will:** Reduce emissions of greenhouse gases and other air pollutants and make neighbourhoods more resilient to a changing climate.

### This could include:

- Reduce greenhouse gas emissions at the community scale by implementing the CEEP.
- Reduce greenhouse gas emissions associated with City services, facilities and activities.
- Improve community and ecosystem resilience in order to prepare for expected local effects of a changing climate. These effects include more severe rain and storm events, sea level rise and flooding, changes in regional drinking water supply, drought, and heat emergencies.
- Reduce emissions and health impacts of air pollutants (other than greenhouse gases).
- Reduce dependence on fossil fuels such as oil and gas.



**We want your ideas!**

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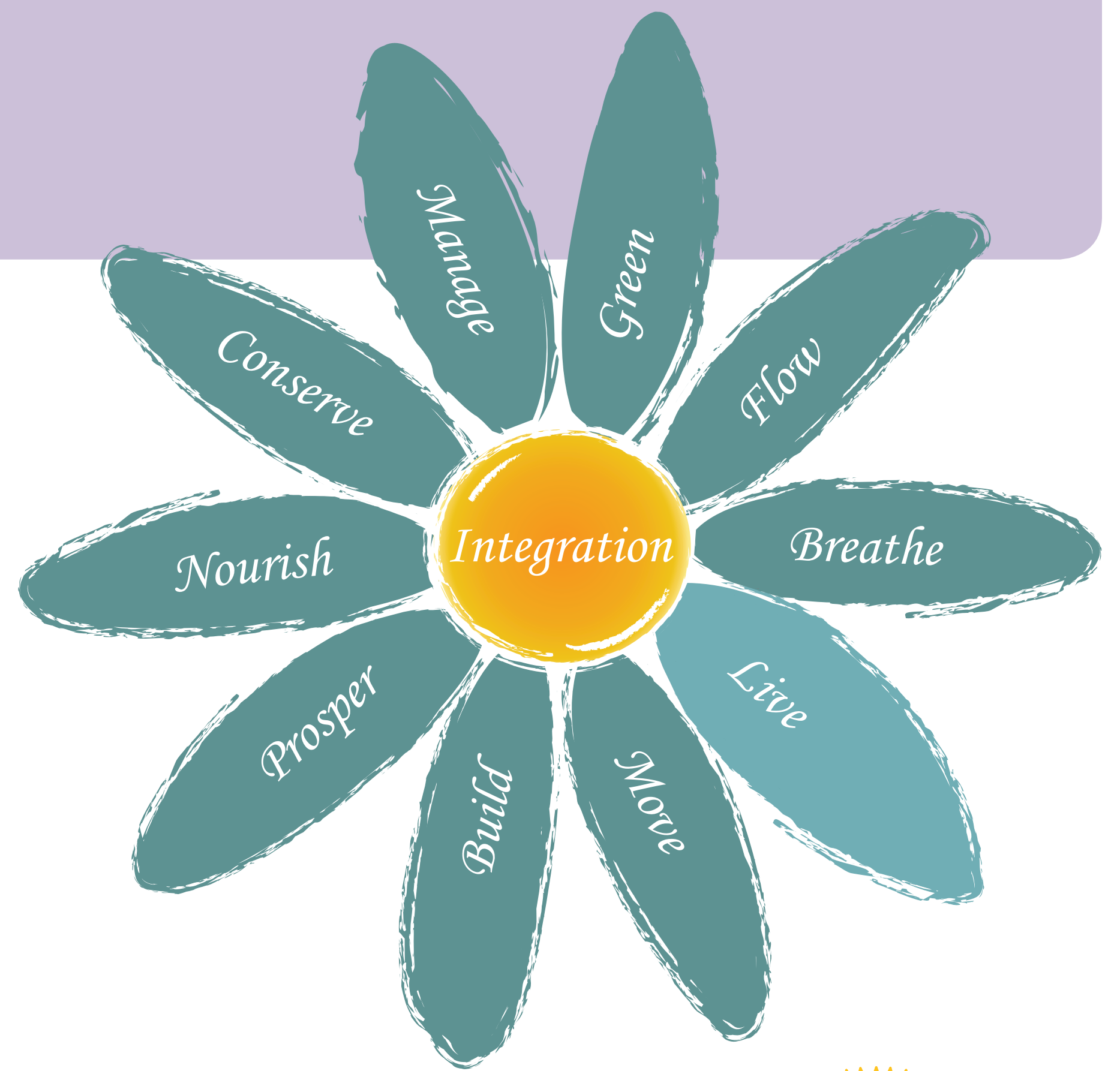
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# Live - Land Use Planning & Development

**Goal:** A network of compact and complete communities, within a fabric of healthy ecosystems.

**Why land use planning and development matter:**

- How we plan and develop our city, Town Centres and neighbourhoods directly affects our quality of life.
- Good planning contributes to a sense of place, allows for better mobility and affordability and can lower pressures on the natural environment.
- Planning our built environment with nature in mind will help us protect and restore our natural environment.



**We want your ideas!**

## Now

**Now:** Burnaby has many opportunities for convenient urban living, a wide range of housing choices, easy access to SkyTrain, bus routes, parks and community services.



**Did you know?**

- Burnaby has been planning and building its four town centres - Brentwood, Lougheed, Edmonds, and Metrotown – for over 30 years.
- There are 66,000 more people living in Burnaby now than there were 20 years ago.
- Another 89,000 people are expected to live in Burnaby 20 years from now.
- Burnaby has many award-winning parks and recreation facilities.
- Nature is protected in many neighbourhoods, such as UniverCity and Forest Grove.

## Future

**We Will:** Plan and build walkable, compact, well-designed neighbourhoods that integrate nature into urban spaces.

**This could include:**

- Strengthen the network of complete, compact, and walkable neighbourhoods served by transit.
- Create outstanding outdoor public spaces that encourage active transportation, socializing and interacting with nature.
- Integrate more green space and nature into urban areas.



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## Did we miss anything?

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# Move - Transportation

**Goal:** A walkable, bikeable, and transit-supported city that supports a healthy community and environment.

## Why transportation matters:

- Active means of transportation such as walking and cycling as well as transit support healthier lifestyles, better air quality and lower carbon emissions.
- Transportation can accommodate a range of mobility needs for all ages and abilities.
- Good transportation planning, combined with thoughtful land use, supports our economy, improves affordability, and promotes positive connections with other people.



## Now

**Now:** People in Burnaby have many transportation choices.

### Did you know?

- Burnaby is served by 11 SkyTrain stations on two SkyTrain lines and 34 bus routes.
- 23% of Burnaby's daily trips are by transit – much higher than the regional average of 14%.
- 62% of Burnaby workers live within 10 kilometers of their jobs and 35% commute to work by transit.
- Burnaby has 145 kilometers of designated bike routes and trails.

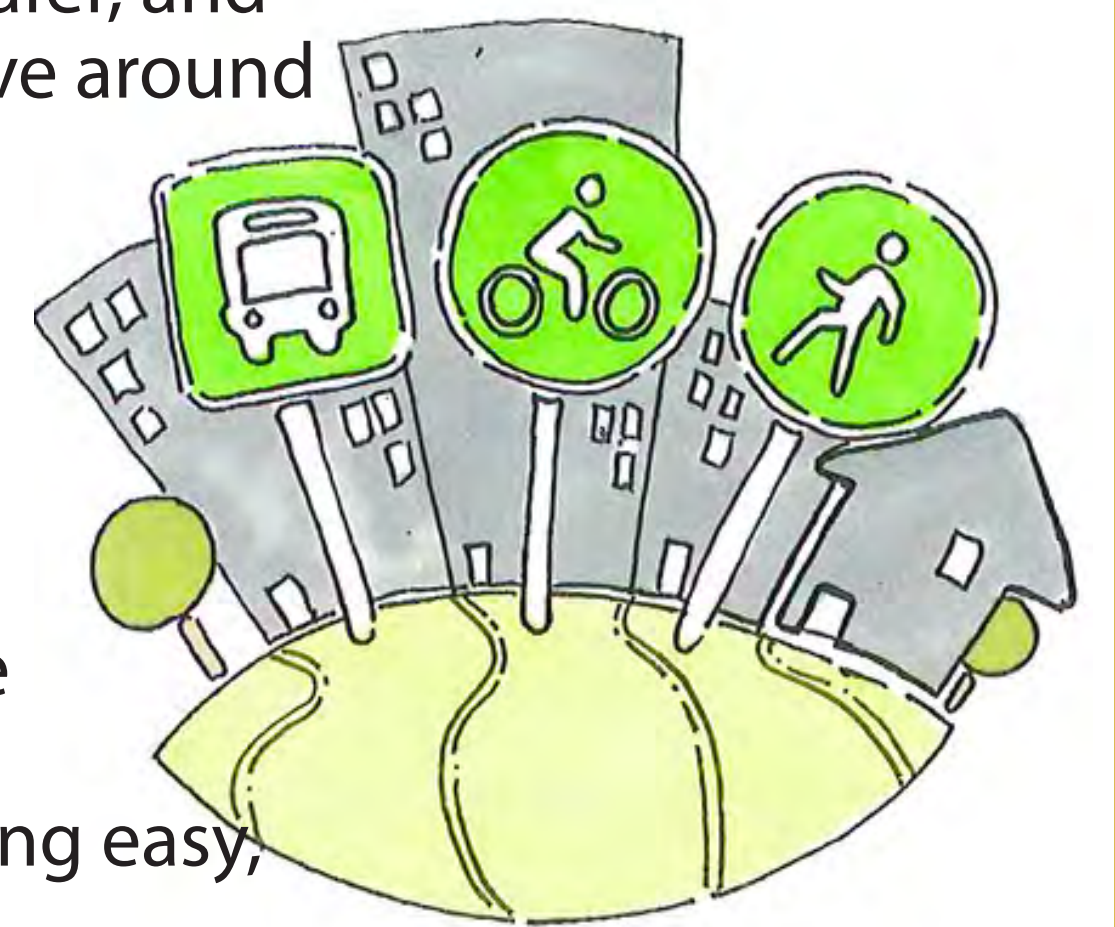


## Future

**We Will:** Make it easier, safer, and more comfortable to move around without using a car.

### This could include:

- Develop transportation plans and policies that reduce pollution and support healthier, more active lifestyles.
- Make cycling and walking easy, safe, and comfortable.
- Encourage improvements in public transit, such as better levels of service and more bus routes.
- Provide programs, and lead by example, to encourage and reward a shift towards walking, cycling, and transit.
- Reduce impacts of vehicles on environmental health, personal safety and livable neighbourhoods.
- Transition to more efficient (including zero-emissions) vehicles and more efficient use of vehicles.
- Reduce the environmental impacts of transporting goods.



**We want your ideas!**

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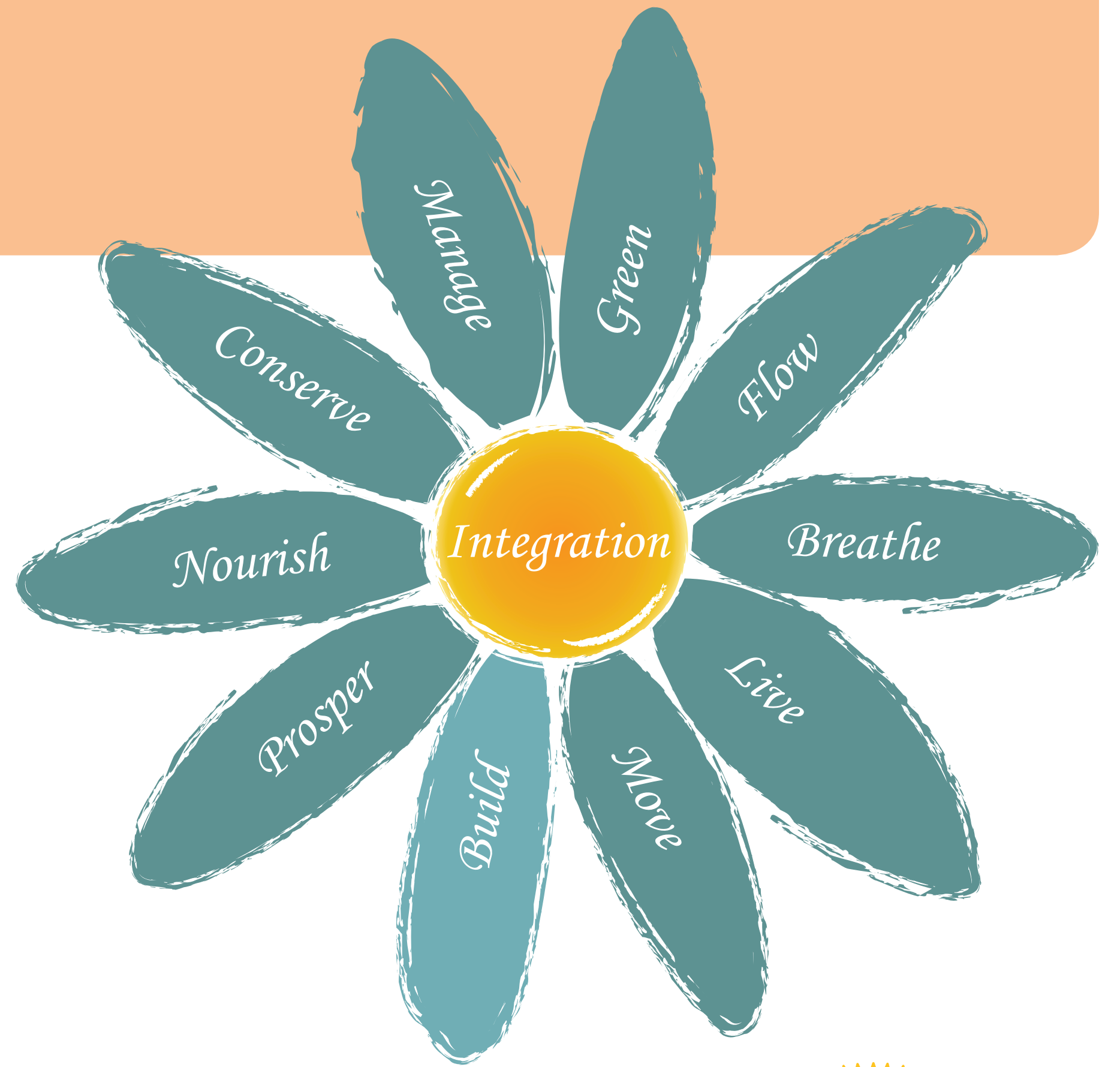
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# Build - Green Buildings & Energy

**Goal:** Buildings and infrastructure that have a positive impact on the environment.

## Why green buildings and energy matter:

- Green buildings can help to reduce energy use, costs, air pollution, waste and water use, while improving ecosystem health.
- Buildings can last over a hundred years so making them more efficient and low-impact will have benefits now and in the future.
- Making existing and new buildings more “green” helps to support the green economy, creating jobs as well as markets for innovative technology.



## Now

**Now:** Burnaby has many excellent examples of green neighbourhoods and green buildings.



### Did you know?

- Burnaby’s award-winning UniverCity is a sustainable community home to over 3,200 people. It has green buildings (energy efficient and water efficient), and a district energy system.
- Harmony House in south Burnaby produces more energy than it uses, including energy to supply their electric car (“net zero” energy).
- UniverCity Childcare Centre is a “regenerative” building that produces all its own energy, treats its own waste water and uses only the safest materials.
- Burnaby’s new City facilities like the Edmonds Aquatic and Community Centre and the Tommy Douglas Library have green features that help to reduce operating costs and protect the environment.

## Future

**We want your ideas!**

**We Will:** Significantly reduce the environmental impact of buildings and infrastructure in Burnaby and encourage innovative and “regenerative” approaches.

### This could include:

- Design and construct buildings so they use less energy, less water, produce less GHG emissions and are built with healthy (non-toxic) and recycled materials.
- Make existing buildings more “green” (e.g. more energy and water efficient).
- Reduce building demolition and construction waste.
- Share and/or re-use energy and water between buildings where possible.
- Encourage a shift to renewable energy for buildings where possible.



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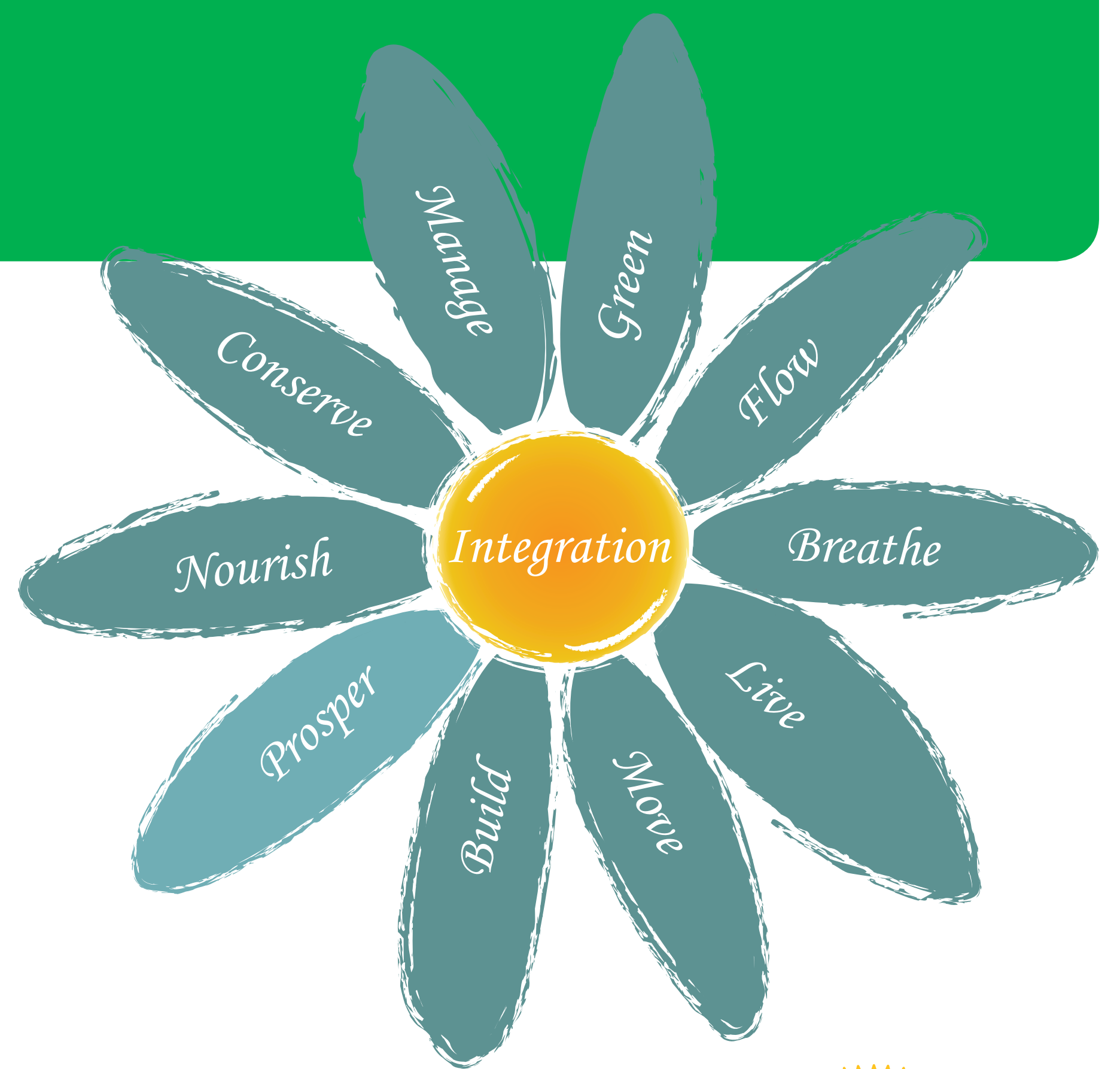
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# Prosper - Green & Inclusive Economy

**Goal:** A prosperous economy that supports a healthy environment.

## Why a prosperous, green and inclusive economy matters:

- Takes advantage of Burnaby's central location, strong knowledge-based and "clean-tech" sectors to create jobs and contribute to the tax base.
- Makes Burnaby businesses more competitive and attracts people to live, work and invest here.
- Businesses can play a leadership role in reducing waste, energy use and other environmental impacts, as well as contribute to environmental improvements.



## Now

**Now:** Burnaby has an international reputation as a desirable location for a variety of businesses, including high technology companies



### Did you know?

- Burnaby has a balance of jobs and workers that makes living and working in the same community possible.
- Burnaby is home to many clean, green, and/or knowledge-based companies, including Alpha Technologies, Electronic Arts, IBM, Kodak, Pacific Blue Cross, PMC-Sierra, Rogers and Telus.

## Future

**We Will:** Evolve into a green, inclusive and more locally-based economy and business community.

### This could include:

- Increase the green sector of Burnaby's economy.
- Support green social enterprises.
- Promote green businesses.
- Strengthen the business sector that facilitates recycling and reuse.
- Encourage businesses and other organizations to make smart environmental choices.
- Adopt City purchasing practices that support local businesses and encourage suppliers to adopt practices that support a healthy environment, like reducing waste.



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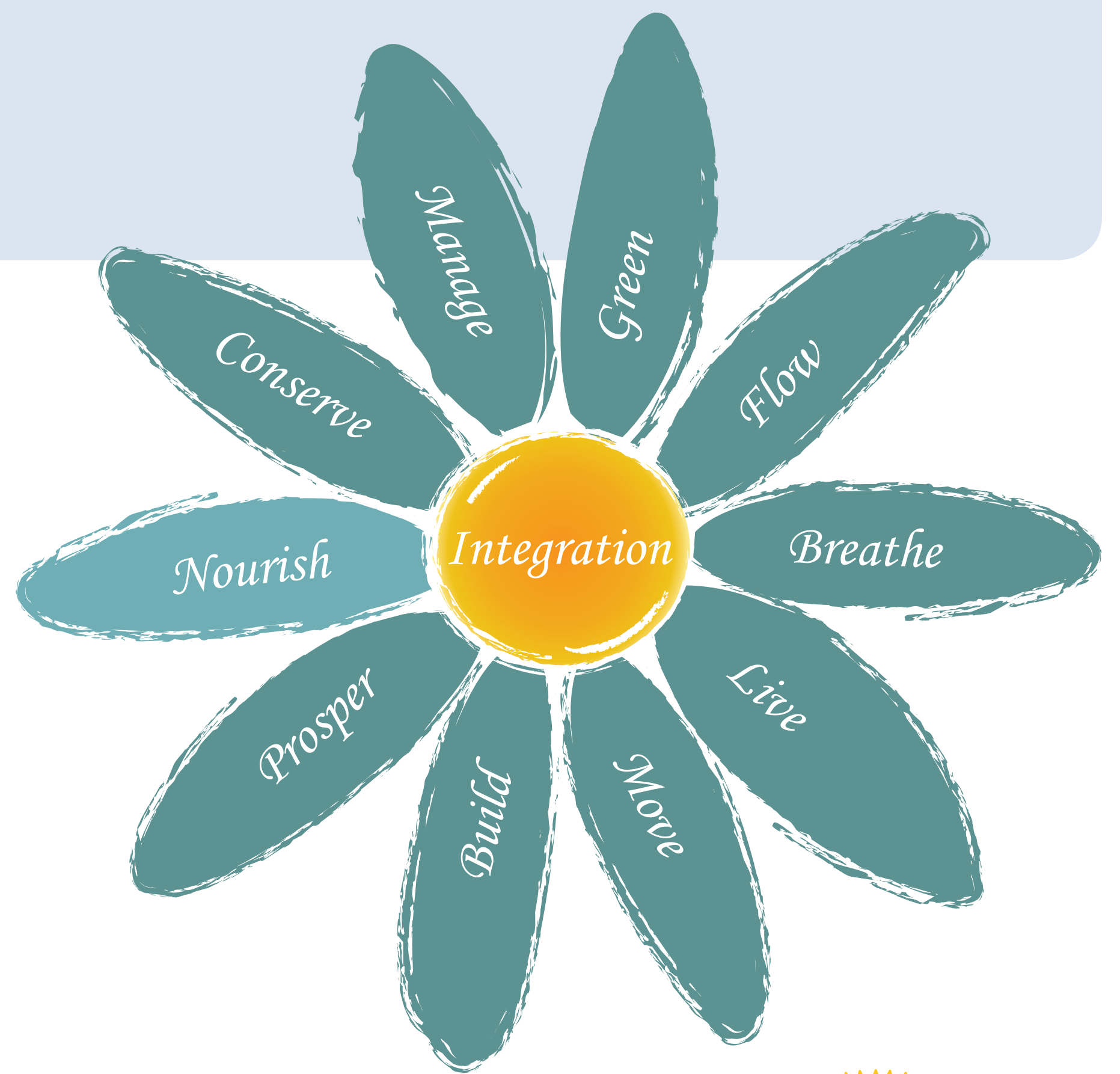
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# Nourish - Food Systems

**Goal:** A food system that supports healthy people, a healthy community and a healthy environment.

**Why a healthy food system matters:**

- Food connects us in a personal and direct way with our environment.
- Strengthening local food production can contribute to local economic vitality and affordability, and reduce impacts from long-distance shipping.
- Healthy food is necessary for personal health and wellness.



**We want your ideas!**

## Now

**Now:** Burnaby has been growing food for over 150 years.



**Did you know?**

- Burnaby has about 43 farms growing food on 129 hectares (318 acres) of land in south Burnaby.
- Vegetables and cranberries are the main crops grown in Burnaby.
- Burnaby's farms earned an average of \$269,000 per farm, 80% higher than the provincial average of \$149,000 per farm.
- Burnaby's largest community garden has 373 garden plots and is located in the Riverside neighbourhood in south Burnaby.
- Beekeeping is now allowed in seven residential areas in Burnaby.

## Future

**We Will:** Eat more locally produced food, support local food businesses and engage the community in local food production.



**This could include:**

- Do more to protect, celebrate and improve productivity of existing farmland.
- Strengthen the local food industry in Burnaby, including local food production, processing and distribution.
- Develop a culture that is supportive of local, organic and healthy food.
- Encourage citizens to grow and process food within the City.
- Make sure that City policies and leadership support the growth of local and sustainable food initiatives.

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## Did we miss anything?



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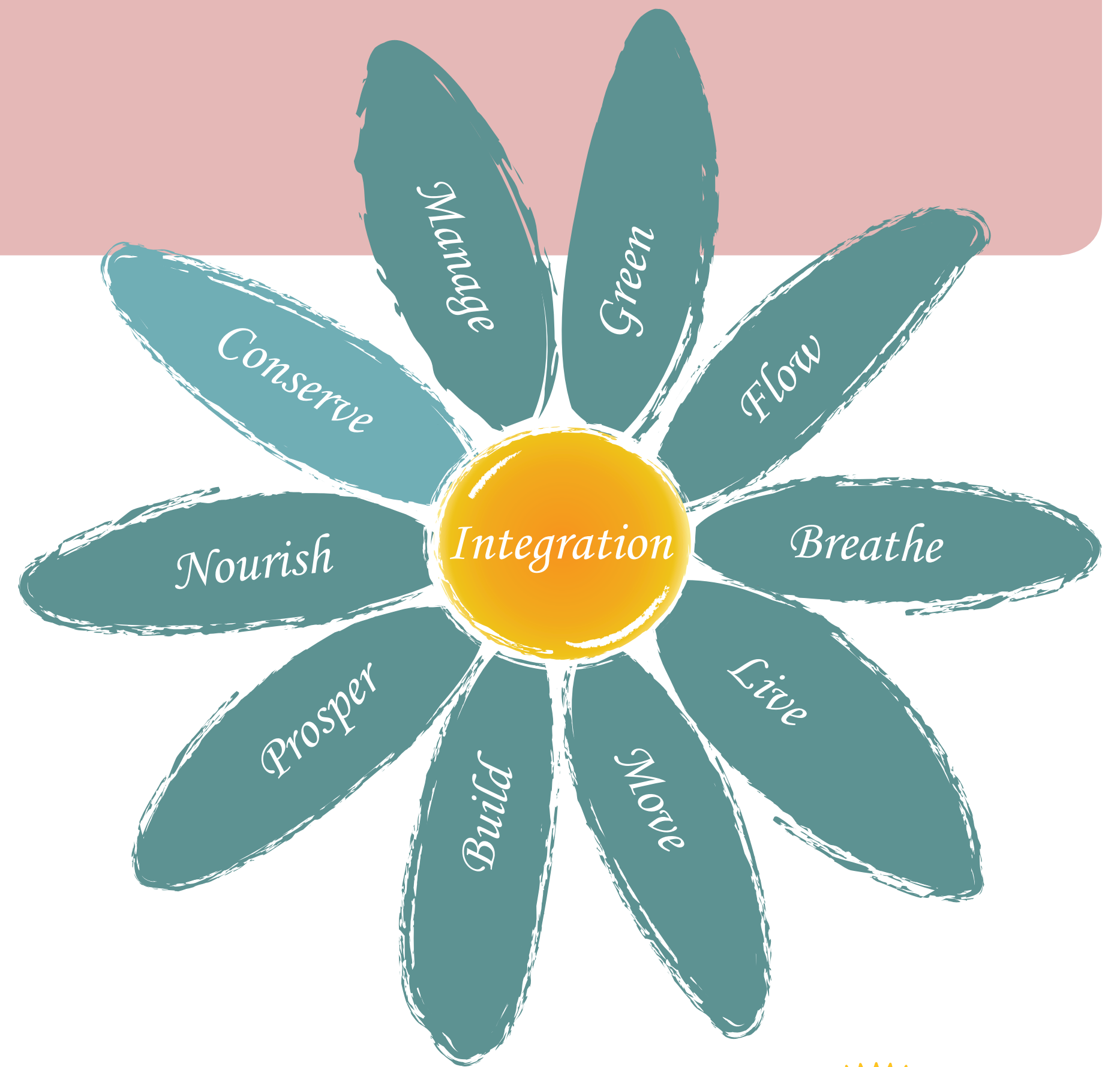


# Conserve - Waste Management

**Goal:** World-leading waste reduction, diversion and management.

**Why waste management matters:**

- Using waste as a resource can have a positive impact on our economy while taking some of the pressure off of resource extraction.
- Landfills are a major source of greenhouse gas emissions.
- Using waste as a resource (e.g. creating new products from recycled material) creates more local “green” jobs.



**We want your ideas!**

## Now

**Now:** Burnaby has a successful food-scrap collection and recycling program serving houses, townhouses and apartments.



Burnaby opened the Eco-Centre in 2013. Here, residents can take materials for recycling, yard waste for composting, and some toxic materials that may be harmful to our environment.

**Did you know?**

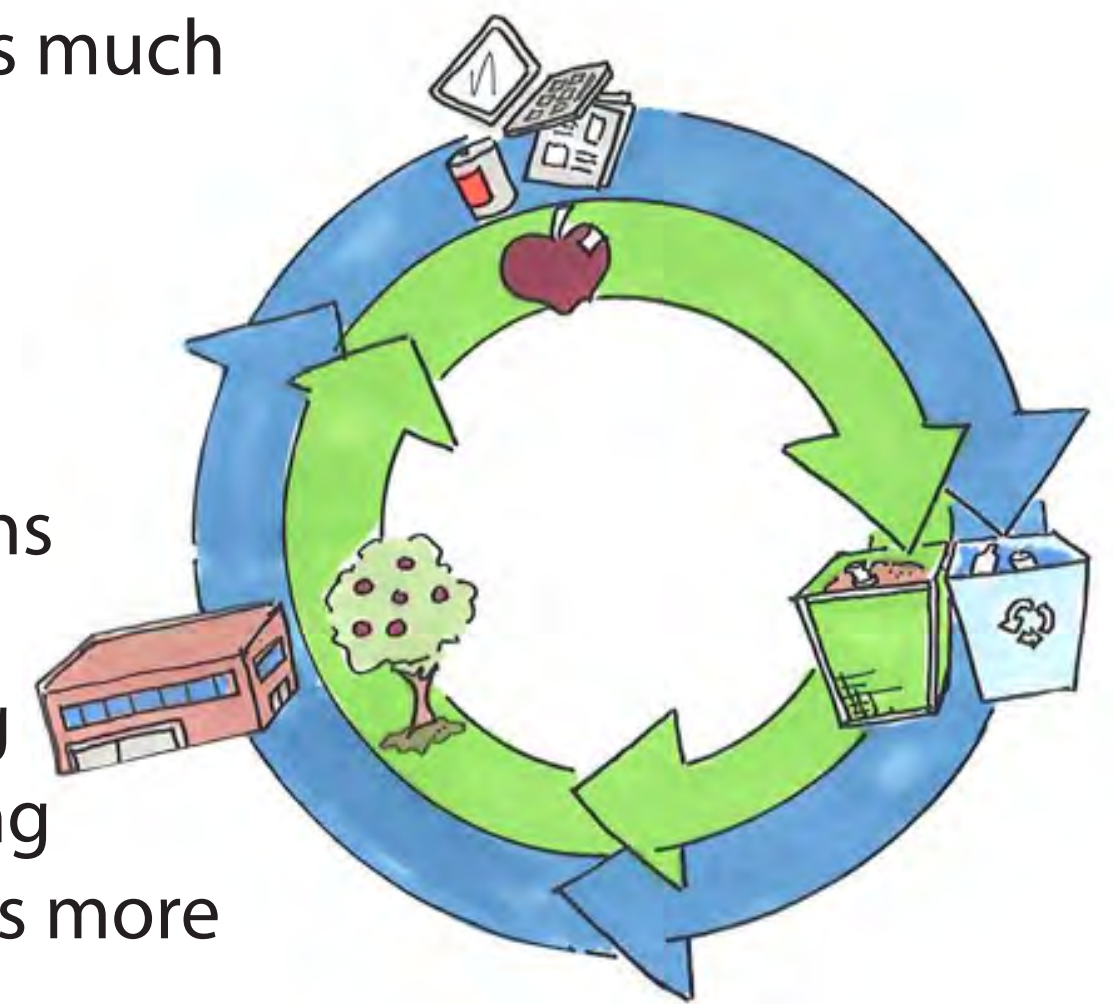
- Burnaby diverts almost half of its waste by recycling and composting.
- Burnaby has been home to the region’s Waste-to-Energy facility since 1998. Here 25% of the region’s garbage is burned, creating enough electricity to power 15,000 homes.
- Burnaby started accepting Styrofoam for recycling in 2012 as a pilot project.

## Future

**We Will:** Avoid and reduce waste and re-use and recycle as much as possible.

**This could include:**

- Reduce material consumption by citizens and businesses.
- Strengthen the sharing economy to use existing materials and resources more efficiently.
- Reduce and eliminate the sale and use of hard-to-recycle materials.
- Increase solid waste diversion, increase recycling and up-cycling.
- Explore new opportunities for using waste as a resource (both materials and energy).



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## Did we miss anything?



# Manage - Governance, Education & Partnerships

**Goal:** Environmentally aware and engaged community working together to improve Burnaby's environmental performance.

**Why governance, education and partnerships matter:**

- City leadership, combined with partnerships and an engaged community, are key to achieving effective environmentally based management.
- Education provides a foundation of knowledge and understanding for tomorrow's leaders.



**We want your ideas!**

## Now

**Now:** Burnaby was recognized as the "Best Run City in Canada" in 2009 by Maclean's Magazine.



**Did you know?**

- Burnaby was the first city to celebrate World Rivers Day in 1993.
- Burnaby partners with community Streamkeepers to help educate people about how to protect and look after our streams.
- Burnaby produces information to encourage people to use sustainable and pesticide-free lawn and garden care.
- Burnaby hosts annual Environment Week activities and presents Environment Awards.

## Future

**We Will:** Work together through leadership, education, partnerships, and community engagement to support successful implementation of the Environmental Sustainability Strategy.



**This could include:**

- Educate and engage people of all ages about environmental sustainability.
- Demonstrate leadership and foster a culture of commitment to sustainability within the City and local organizations.
- Cooperate and integrate between City departments and with others.
- Develop programs to encourage and reward people who try new environmental practices.

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## Did we miss anything?



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