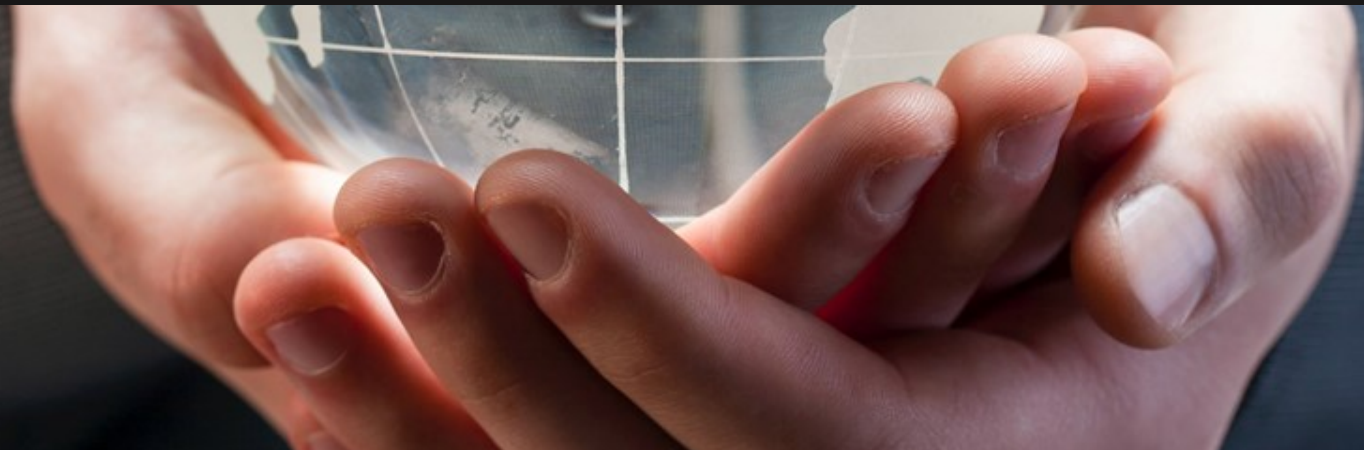
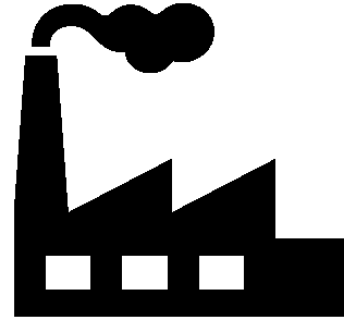




Resourcing Accelerated Climate Action

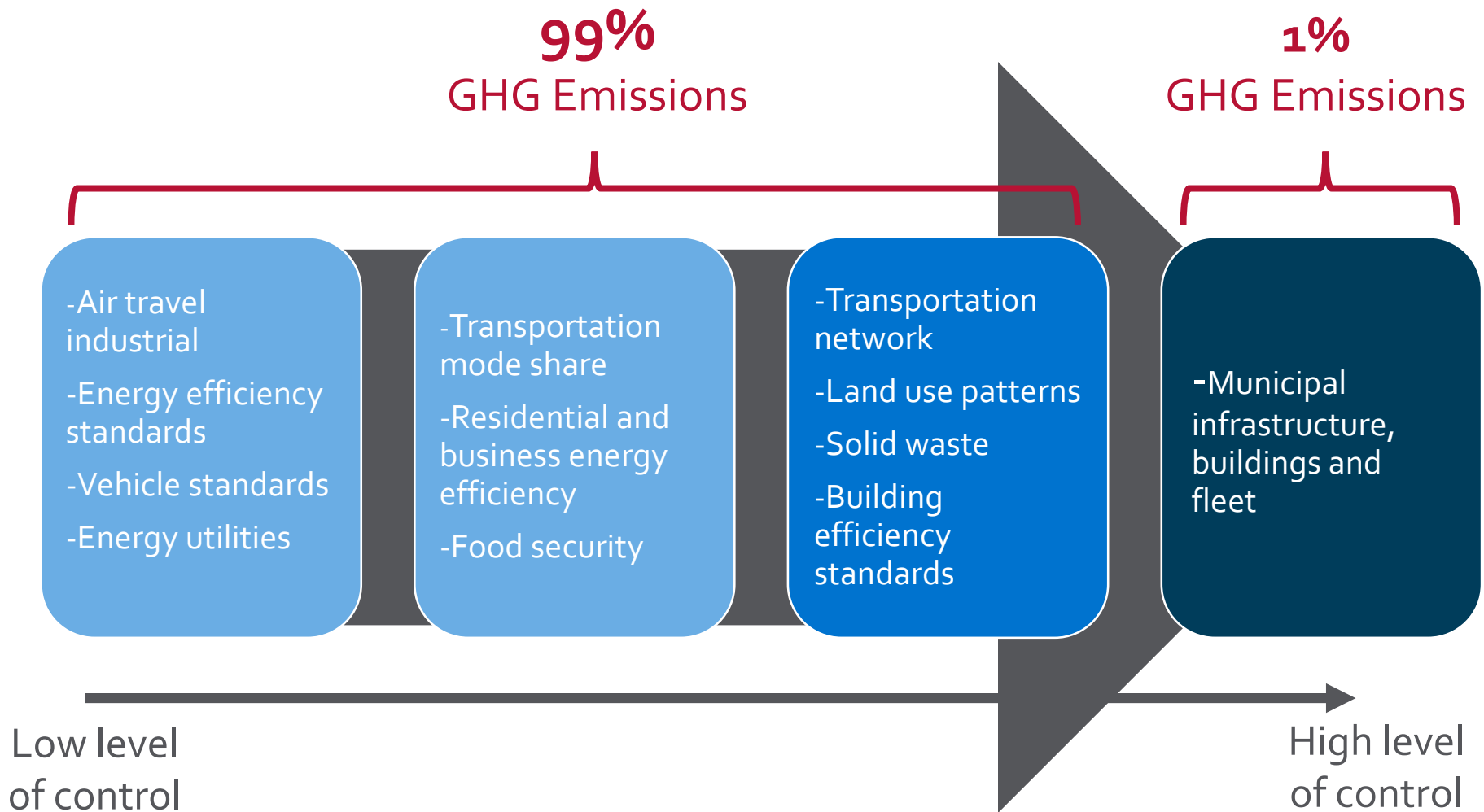
September 2020





Everyone needs to act

Local government relative control over GHG emissions



Council
Priority:
Environmental
Protection

Resiliency & adaptability
to climate change



Greenhouse gas
emissions are decreasing

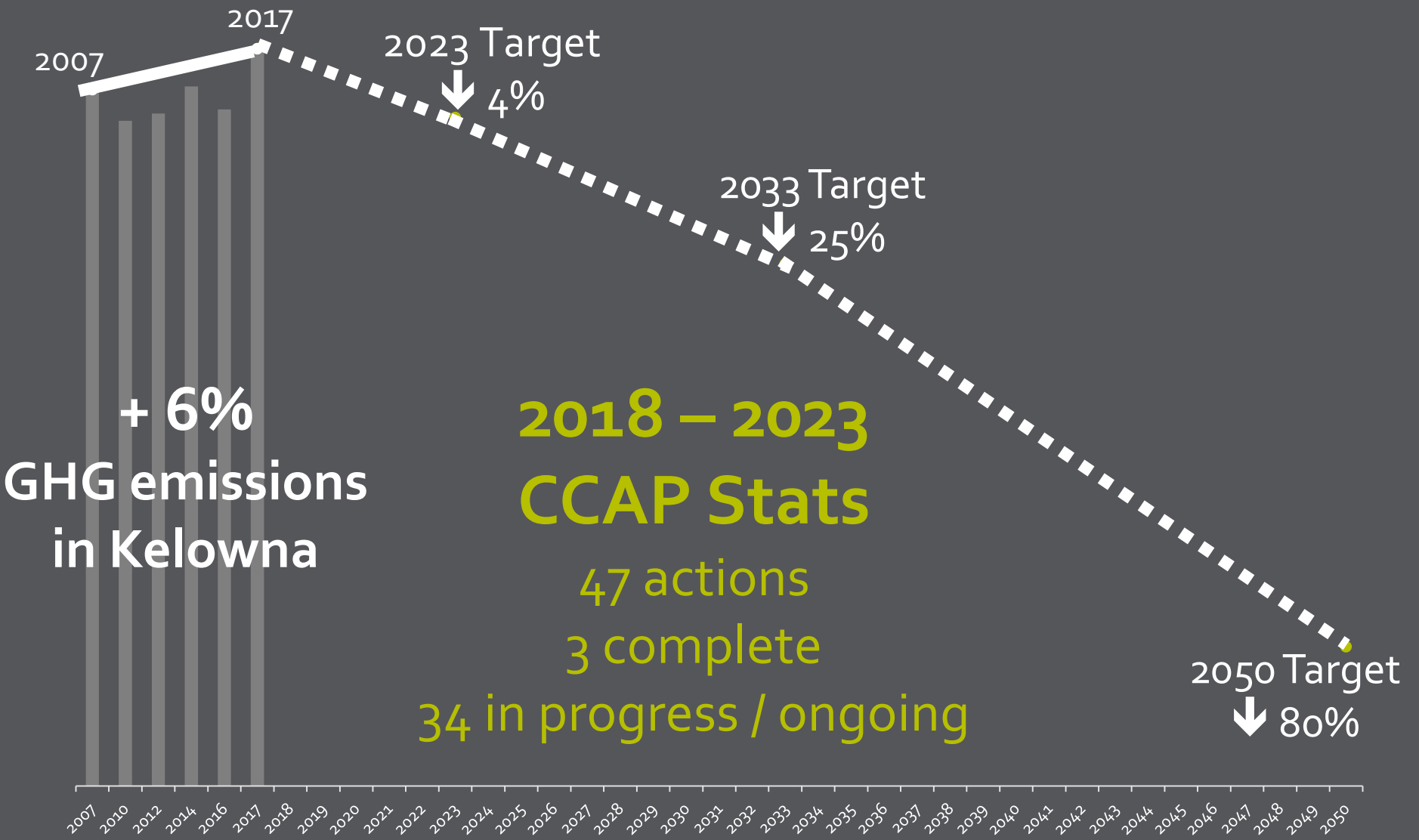


Predictive modelling &
forecasting



Emergency response &
preparation





CHALLENGES

↑ GHG emissions

↑ 50,000 residents

Global pandemic

☒ dedicated climate budget

CCAP only to 2023

Delayed action = consequences

OPPORTUNITIES

↑ build back better from pandemic

↑ community health

↑ environmental sustainability

↓ costs long term

= IMAGINE KELOWNA

The “Toolkit”



Infrastructure

Policy and regulation

Outreach and capacity building

Incentives

Collaboration and partnerships

Advocacy

Accelerated action needs

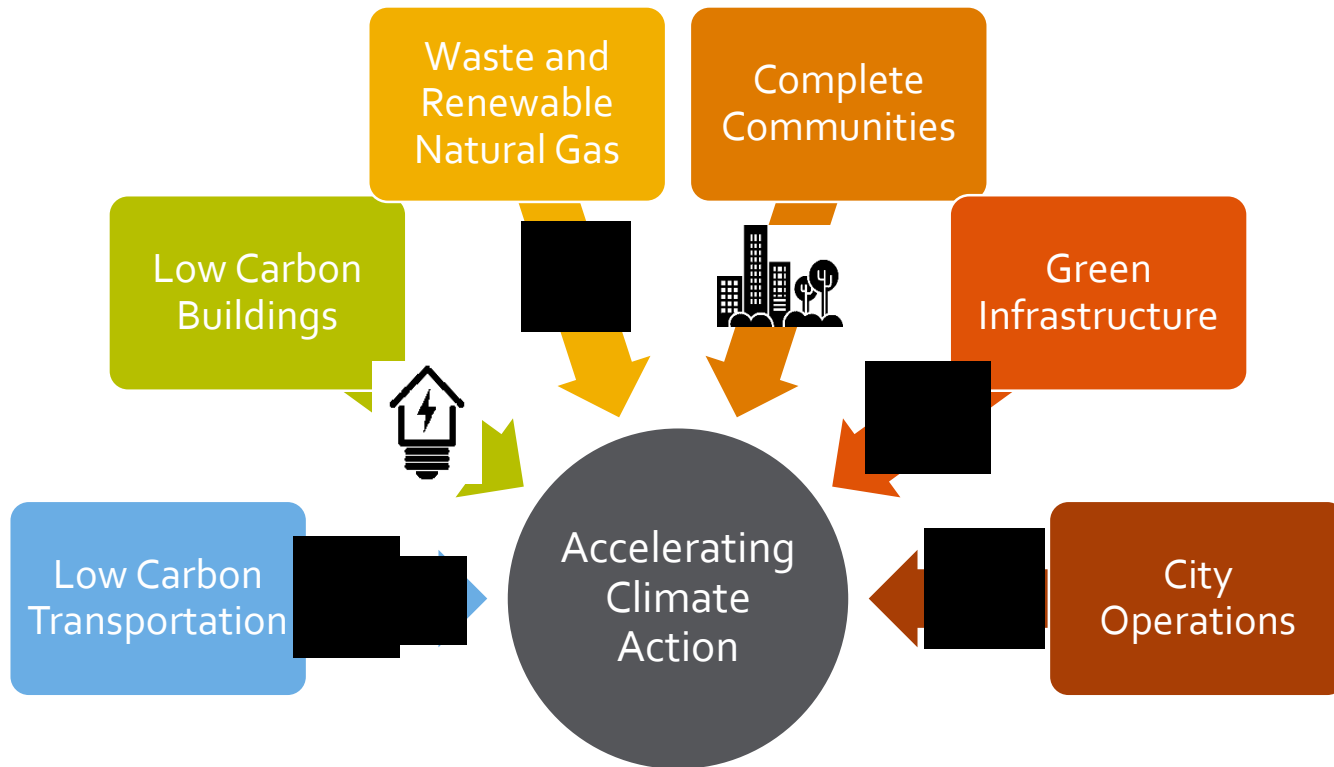


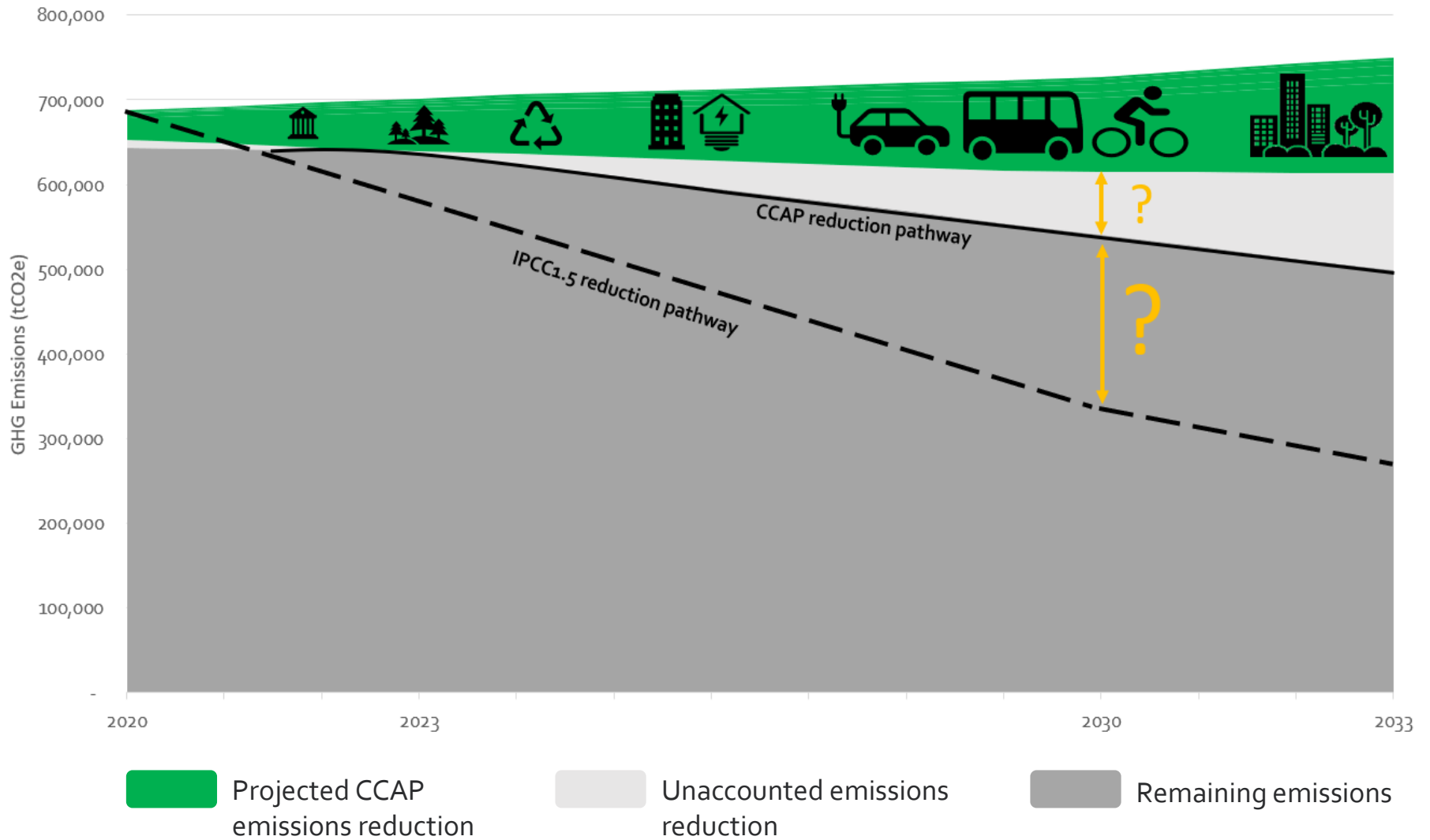
DEDICATED FUNDS



POLICY SHIFTS

Priority Action Areas





Incremental steps to achieve the target

Recommendations for 2020/2021

1

Implement and fund 2020 recommended action

2

Implement and fund 2021 actions, subject to budget and grant approvals

3

Model accelerated climate action

2020 and 2021 accelerated actions considerations



Opportunities for grants or partnerships



Balancing limited resources



Optimizing resource efficiencies

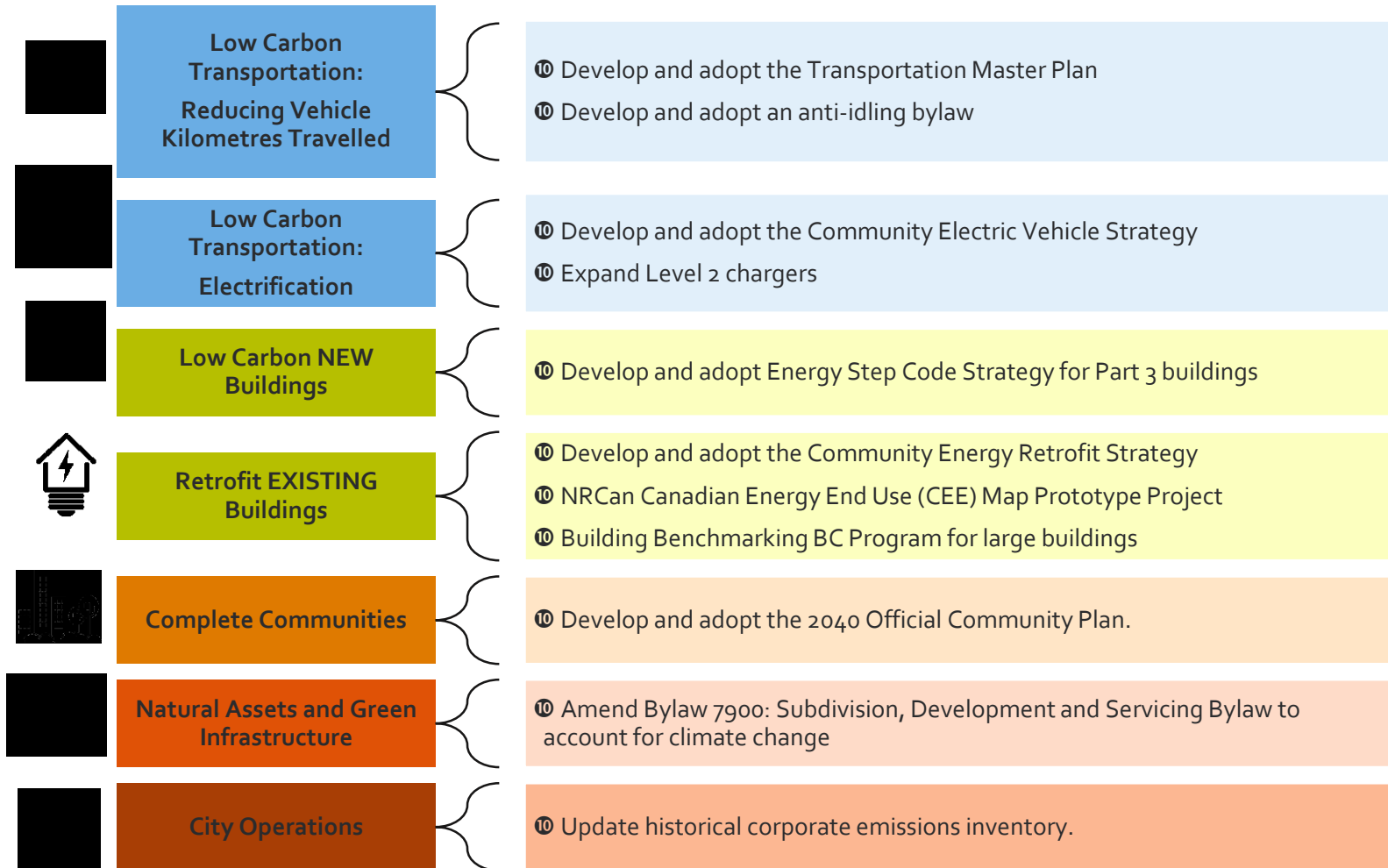


Action is necessary for future work planning



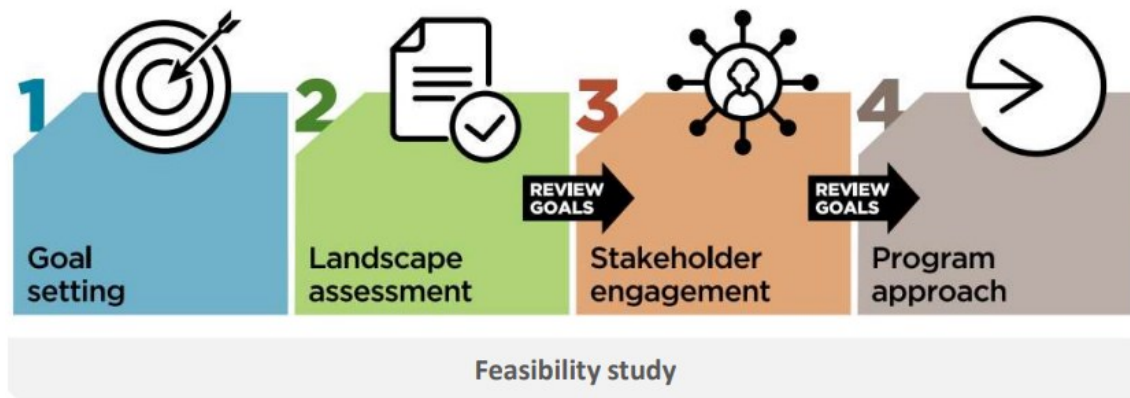
Action will help stimulate economic recovery

Actions already in progress



2020 Recommended Action: Support and Fund FCM Community Efficiency Financing Grant

Category	Action	Grant / partnership contribution	City Budget Required	Potential Budget Source
Retrofit existing buildings	Feasibility study for a home energy efficiency financing program	Up to \$120K	Up to \$30K	Climate Action Reserve





2021 Recommended Actions



Recommended Actions: Active Transportation



Neighbourhood Bikeways Program



Bike Lane Snow Clearing Study



Income qualified E-bike incentive Pilot program

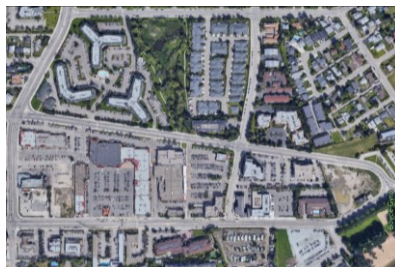
Ongoing / Annual budget required

No financial budget

Recommended Actions: Sustainable Transportation Programs



Trip Reduction and Flexible Workplace Policy



Pandosy / Richter Transit Corridor Study



Education & Awareness Program

3-year pilot project

One-time funding required

Ongoing / Annual budget required

City of Kelowna

Recommended Actions: Sustainable Transportation Advocacy



Advocate for CleanBC goals to be reflected in provincial planning and capital investments

No financial budget

City of **Kelowna**

Recommended Actions: Electric Vehicles



EV Readiness Policy for new developments



Streetlamp charging pilot project



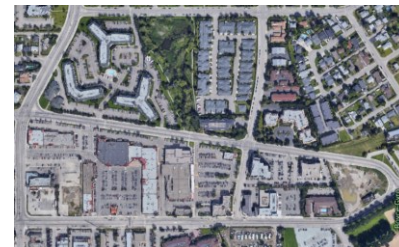
Municipal top-up for residential chargers



Promotion, workshops, and training



Add Level 3 DCFC charger at Museum Parking Lot



Advocate for provincial EV programs

No financial budget or Already budgeted

Ongoing / Annual budget required

One-time funding required

Recommended Actions: Low Carbon NEW Buildings



Audit Program for Energy Step Code (Part 9 Buildings)



Investigate RTE for highest step (Part 3 buildings)



Advocate for GHG metrics in the Energy Step Code framework



Promotion, workshops, and Industry training

No financial budget or Already budgeted

Ongoing / Annual budget required

Recommended Actions: Low Carbon EXISTING Buildings



Municipal top-up for
heat pumps and
EnerGuide
assessments



Heritage Energy Grant
Pilot Program



Advocate for PACE-
enabling legislation
and home energy
labelling

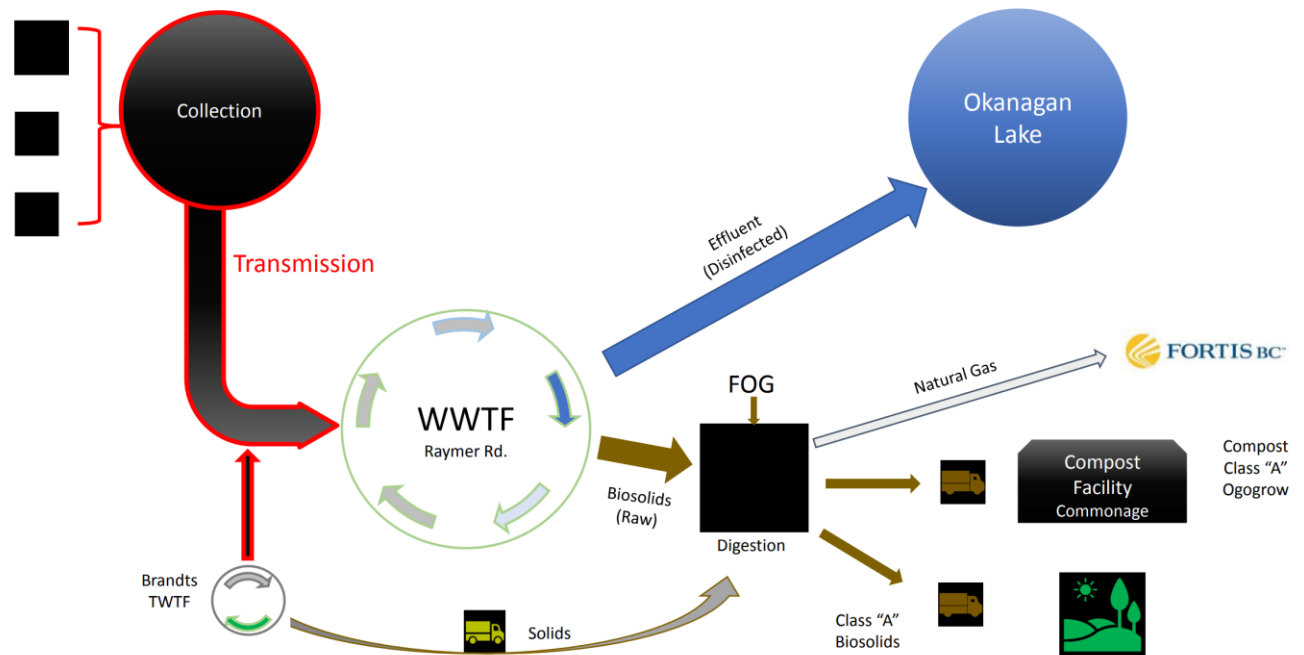
No financial budget or
Already budgeted

Ongoing / Annual budget required

One-time funding required

Recommended Actions: Waste and Renewable Natural Gas

Develop business plan and regional extent of anaerobic digestion inputs and post-processing



One-time funding required

Recommended Actions: City Operations



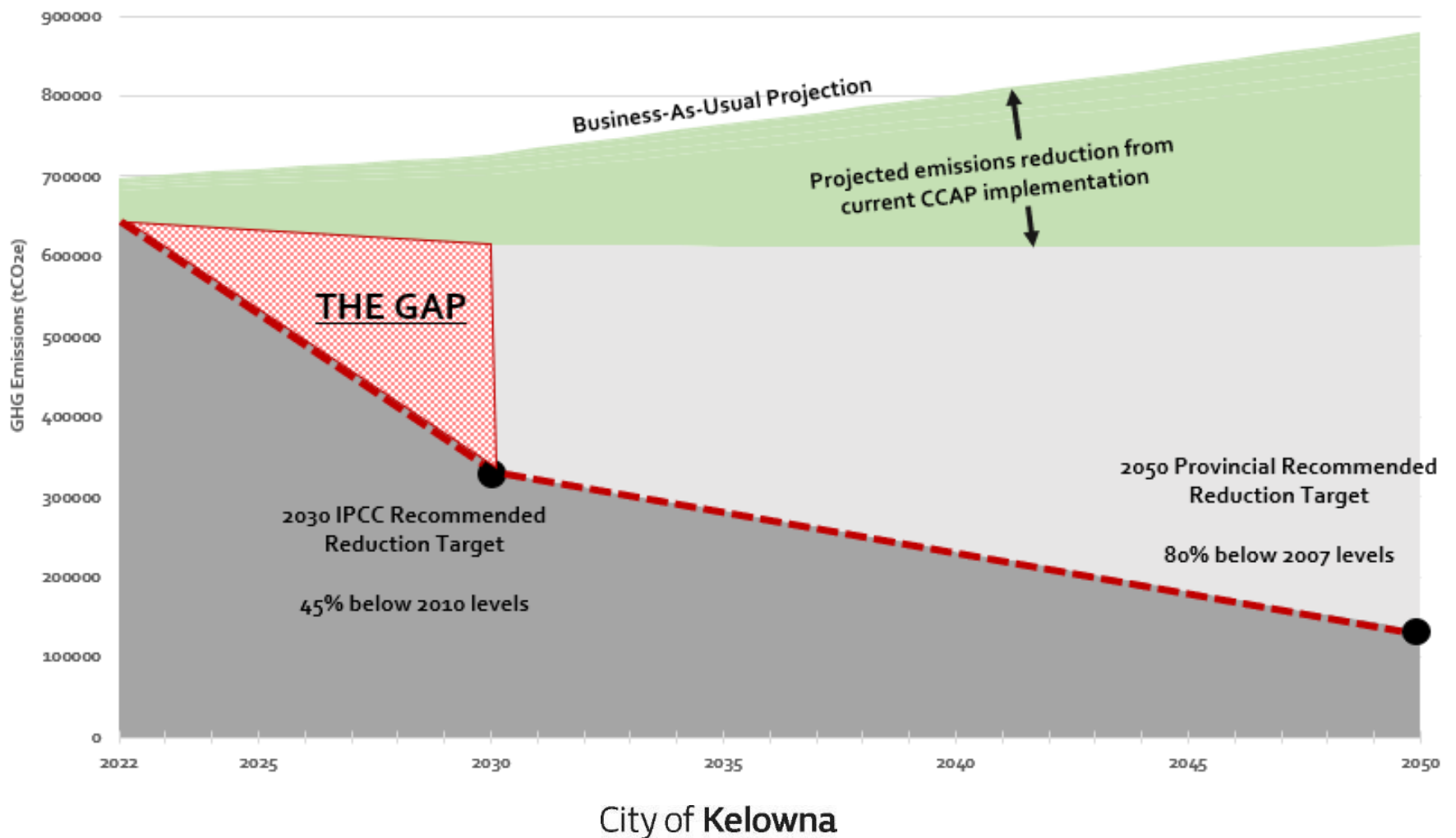
Establish updated policy
for the **Corporate Energy
Committee**










Identify comprehensive,
**facility-wide energy and
GHG reduction projects**

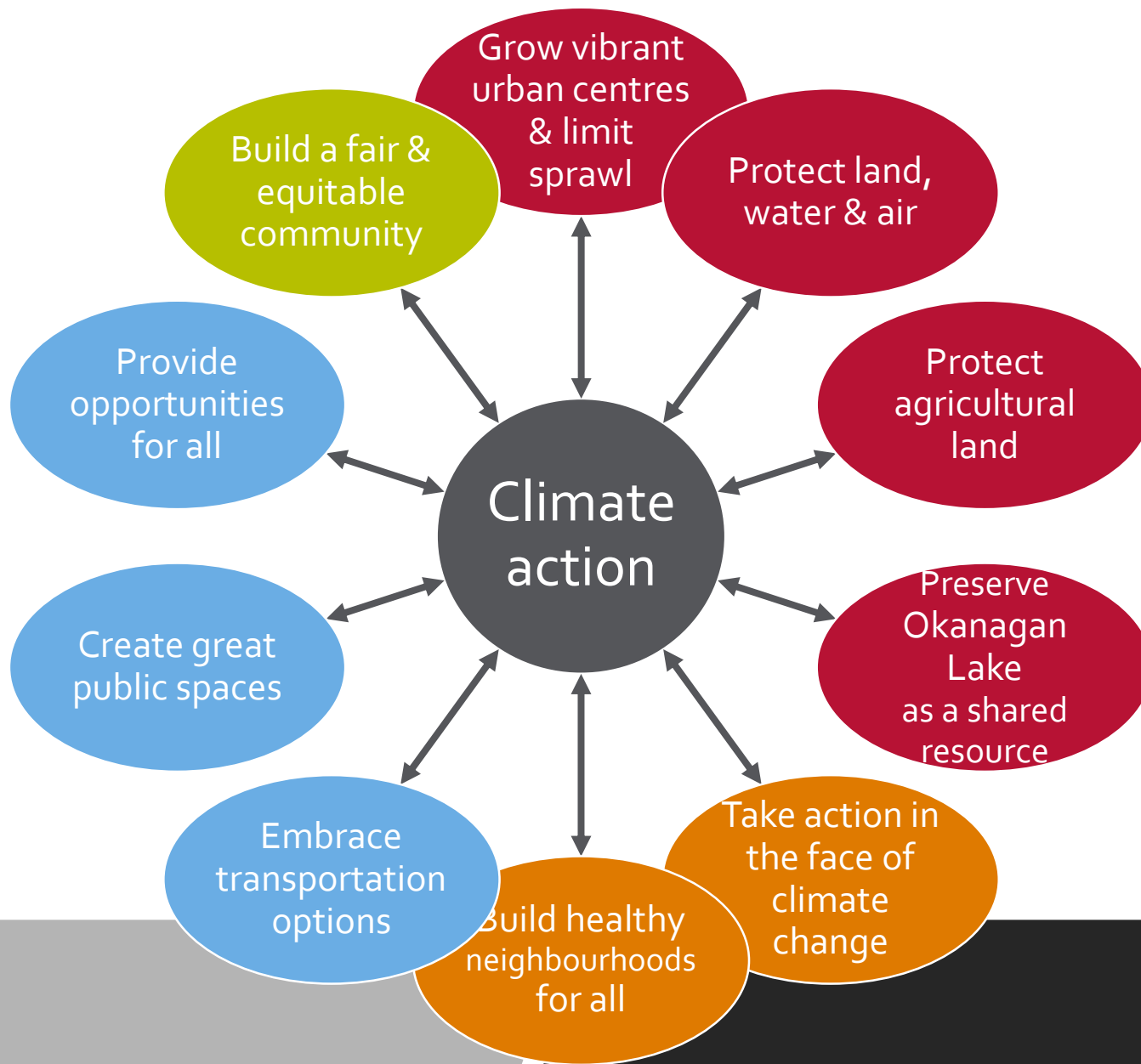
 No financial budget

Recommended Action: Re-model GHG emissions reduction pathway



2021 Summary of Costs and External Contributions

Category	Policy Alignment and Justification	Budget Required	Grant / Partnership Contribution
 Re-modelling GHGs and identifying new actions	<ul style="list-style-type: none"> • CCAP: need to identify accelerated actions beyond 2021 	\$70K	-
 Low-carbon transportation: reduce VKT	<ul style="list-style-type: none"> • Council priorities: <ul style="list-style-type: none"> • Connecting high density areas • More trips by transit, cycling & walking • More opportunities to learn about transportation 	\$170K	-
 Low-carbon transportation: electrification	<ul style="list-style-type: none"> • Council priority: emerging technologies make it easier to get around 	\$80K	\$120K
 Retrofit EXISTING buildings	<ul style="list-style-type: none"> • Healthy Housing Strategy: reduce household carrying costs 	\$40K	\$40K
 Low carbon NEW buildings	<ul style="list-style-type: none"> • Healthy Housing Strategy: reduce household carrying costs 	\$20K	-
 Waste and RNG	<ul style="list-style-type: none"> • Council priority: Economic resiliency 	\$400K	-
 City operations	<ul style="list-style-type: none"> • Corporate Energy and Emissions Plan 	-	-
		\$830K	\$160K



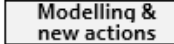

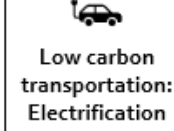


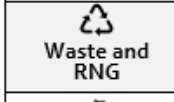

Win-Win Solutions



Questions?

For more information, visit kelowna.ca.

Appendix C: Recommended Accelerated Climate Actions for 2021 (note: some of these actions will continue beyond 2021)

	Action	City Investment type	2021 Capital or Operating Request	2021 Climate Reserve Request	Grant / partnership contribution	2021 Total Cost
	Re-model GHG emissions to a target more closely aligned with IPCC	One time	-	\$70,000	-	\$70,000
	Neighborhood Bikeway Program	Annual	-	\$50,000	-	\$50,000
	Major Employer Trip Reduction & Flexible Workplace Policy	Annual	\$50,000	-	-	\$50,000
	Pandosy / Richter Transit Corridor Study	One-time	\$100,000	-	-	\$100,000
	Bike Lane Snow Clearing Study	One-time	-	-	-	-
	Transportation Education & Awareness Program	Annual	\$20,000	-	-	\$20,000
	Advocate for CleanBC goals and priorities to be reflected in provincial planning and capital investments, including the Central Okanagan Planning Study and increasing funding to enable more students to take school busing.	-	-	-	-	-
	Income qualified E-bike incentive pilot	One-time	-	\$25,000	-	\$25,000
	100% EV Readiness Policy – new residential developments	One-time	-	-	-	-
	EV Readiness Policy – new commercial developments	One-time	-	-	-	-
	EV Streetlamp Pilot	One-time	-	\$25,000	\$25,000 ^a	\$50,000
	Add Level 3 charger at Museum Parking Lot	One-time	-	-	\$75,000 ^b	\$75,000
	EV charger top up	Annual	-	\$20,000	\$20,000 ^c	\$40,000
	EV promotion, workshops and training	Annual	-	\$10,000 ^d	-	\$10,000
	Advocate to the provincial government to support the transition to electric vehicles with funding to expand the public EV charging network, incentives for workplace/at home charging, incentives for electric vehicles (including electric bikes) and streamlined standards for EV requirements in buildings.	-	-	-	-	-
	Part 9 Buildings: Develop and implement an Audit Program	Annual	-	\$10,000	-	\$10,000
	Part 3 Buildings: Energy Step Code – Investigate Revitalization Tax Exemption for highest step	One-time	-	-	-	-
	Part 3 & 9 Buildings: Promotion, workshops and training for Energy Step Code	Annual	-	\$10,000 ^d	-	\$10,000
	Part 3 & 9 Buildings: Advocate for GHG metrics or a low-carbon energy system option in the Step Code Framework.	-	-	-	-	-
	Residential: Heritage Energy Grant Pilot ^{CR}	Annual	-	\$15,000	\$15,000 ^e	\$30,000
	Residential: Municipal top up – for CleanBC Better Homes Program ^{CR}	Annual	-	\$20,000	\$25,000 ^c	\$45,000
	Residential, Commercial, and Industrial: Promotions, workshops and training	Annual	-	\$5,000 ^d	-	\$5,000
	Residential, Commercial, and Industrial: Advocate for PACE-enabling legislation, home-energy labelling requirements ^{CR}	-	-	-	-	-
	Develop business plan and regional extent of digestion inputs and post-processing ^{CR}	One-time	\$400,000	-	-	\$400,000
	Establish policy for Energy Committee guidance on energy and GHG reduction opportunities for energy consuming assets.	-	-	-	-	-
	Identify comprehensive, facility wide energy and GHG reduction projects ^{m CR}	-	-	-	-	-
	TOTAL COST		\$570,000	\$260,000	\$160,000	\$990,000