

cleanBC

our nature. our power. **our future.**



## Government is committed to:

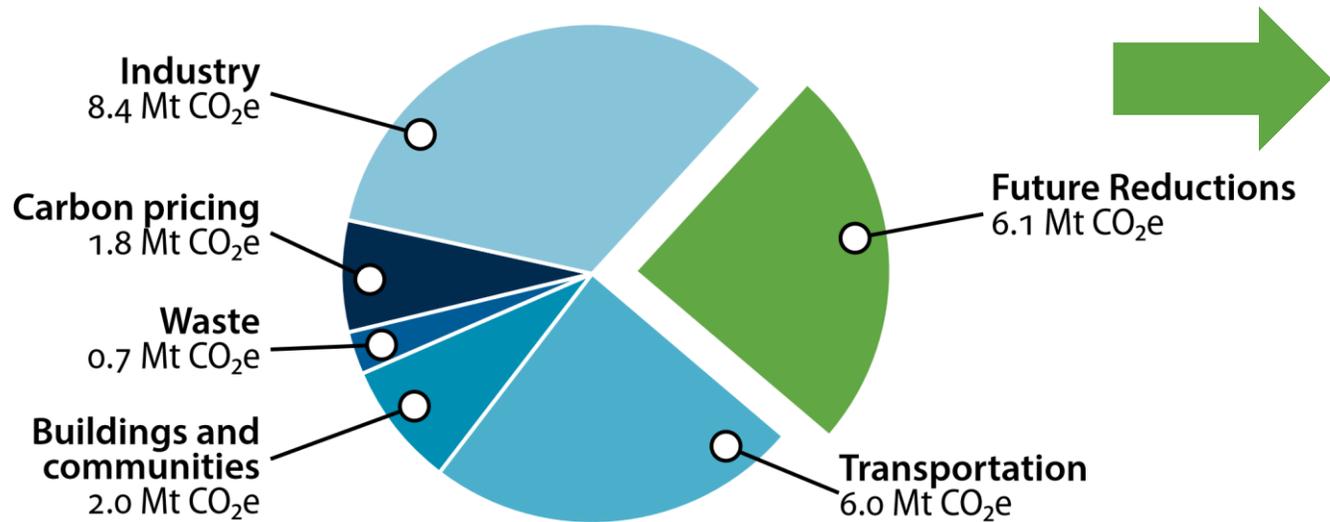
- Meeting our GHG reduction targets
- Growing a prosperous low-carbon economy
- Making sure cleaner options are affordable
- Working towards reconciliation with Indigenous peoples
- Creating more opportunities for businesses
- Helping workers get the skills they need

## What's in CleanBC:

- A clear path to our 2030 targets – describing specific GHG reductions for first 75%, with the remaining 25% to be identified over the next 18-24 months
- Moving from fossil fuels to lower carbon substitutes including clean electricity
- Is fully funded, with program specific details in the 2019/2020 Budget
- Partnering with business to create a low-carbon industrial strategy

# WORK WILL CONTINUE IN 2019

## Reductions to achieve 2030 target

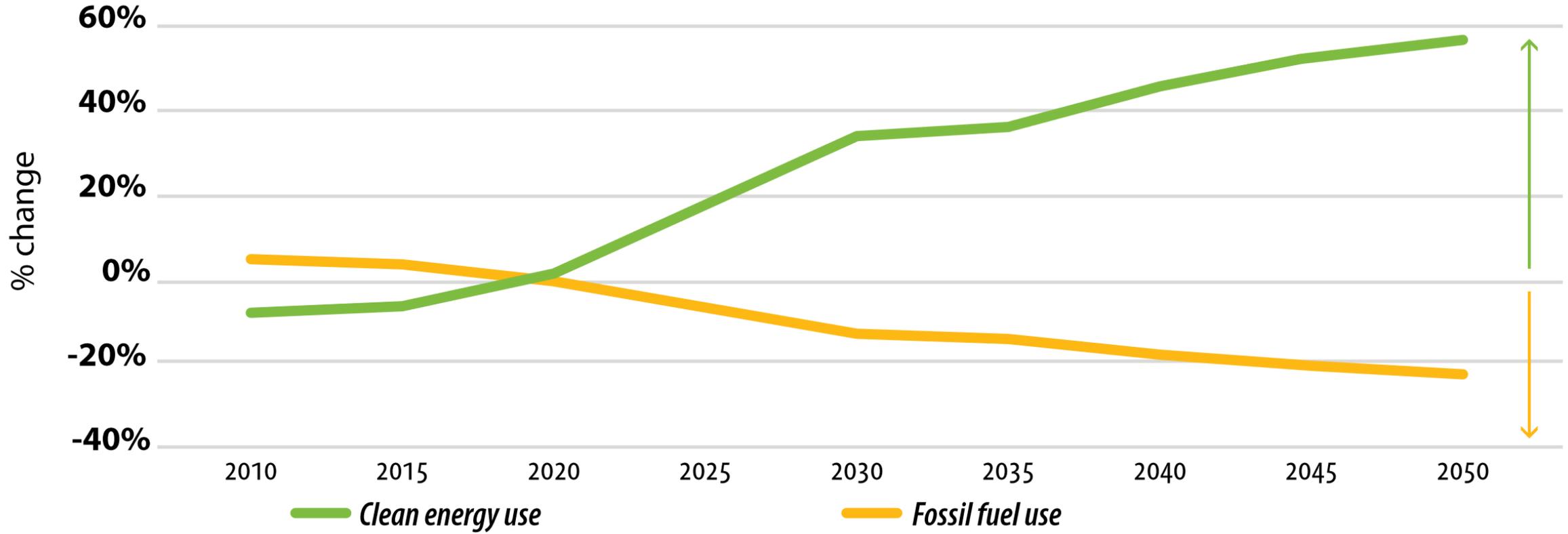


**The remaining 6.1 Mt in reductions will be achieved through initiatives such as:**

- improving community planning, active transportation, and transit
- cleaner heavy-duty vehicles and freight
- significantly increasing industrial electrification
- maintaining a resilient agricultural sector
- continuing to invest in technology and innovation

# ACCELERATING THE SWITCH

## Changing how we use energy



# GOALS HIGHLIGHT



## Cleaner Transportation:

- ✓ By 2030, fossil fuel use for transportation will drop 20%
- ✓ By 2030, 30% of all sales of new light-duty cars and trucks will be zero-emission vehicles, rising to 100% by 2040
- ✓ **By 2030, the Province will reduce GHG emissions from government vehicles by 40%**

## Improve Where We Live and Work:

- ✓ By 2030, emissions from buildings will drop by 40%
- ✓ By 2030, 60% of homes and 40% of commercial buildings will be heated with clean electricity
- ✓ **Public buildings will lead the way, reducing emissions by 50% by 2030**
- ✓ By 2032, new buildings will be built to highest level of B.C. Energy Step Code

## Climate Adaptation:

- ✓ By 2020, the Province will develop a climate adaptation strategy based on a province-wide climate risk assessment

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## **Bring down the price of clean vehicles**

Just over 20 years from now, every new car will be a zero-emission vehicle (ZEV) with phased-in increases to the ZEV standard

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Help people to afford cleaner cars and save money on gasoline bills with ZEV incentives

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Make it easier to charge or fuel a ZEV

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## **Speed up the switch to cleaner fuels**

Make our fuel cleaner by increasing the low carbon fuel standard to 20% by 2030 and increasing the production of renewable transportation fuels

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Make vehicles run cleaner by increasing tailpipe emissions standards for vehicles sold after 2025

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# IMPROVE WHERE WE LIVE AND WORK



<b>Better buildings</b>	Make every building more efficient by improving the Building Code and increasing efficiency standards
<b>Support for better buildings</b>	Incentives to make homes more energy-efficient and heat pumps more affordable
	Upgrade public housing to make it more comfortable and energy-efficient
	Make residential natural gas consumption cleaner by putting in place a minimum requirement of 15% to come from renewable gas
<b>Support for communities</b>	Help remote communities reduce dependence on diesel and support public infrastructure efficiency upgrades and fuel switching to biofuels with the CleanBC communities fund

# REDUCE EMISSIONS FROM WASTE



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## **Reduce waste and turn it into a clean resource**

Help communities to achieve 95% organic waste diversion for agricultural, industrial, and municipal waste -- including systems in place to capture 75% of landfill gas

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Waste less and make better use of it across all sectors of our economy, like forestry, agriculture, and residential areas, including renewing the B.C. Bioenergy Strategy and building out the bioenergy and biofuels cluster

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## Adaptation

By 2020, the Province will develop an Adaptation Strategy based on a province-wide climate risk assessment

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*“The B.C. Climate Action Secretariat is conducting a Strategic Climate Risk Assessment to identify and assess provincially significant climate-related risks to B.C. The results of the assessment are expected in spring 2019 and will inform a new provincial adaptation strategy.” CleanBC, pg 57*

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# CREATING NEW OPPORTUNITIES

## CleanBC training and retraining for new and mid-career workers

- Trades training for the construction industry
- ZEV training for mechanics and electricians
- Ongoing labour market analysis will support further initiatives

## CleanBC Labour Readiness Plan

- Will examine future career opportunities in the low carbon economy - where jobs may be located, supports needed, and opportunities for mid-career workers to develop new skills



- CleanBC highlights key public sector initiatives in progress, including:
- **Fleet:**
  - Reduce emissions from public sector fleet by:
    - Purchasing cleaner vehicles (West Coast Electric Fleets Pledge “Express Lane”)
    - Using cleaner fuels
    - Expanding charging infrastructure in public buildings
- **Buildings:**
  - Cleaner public sector buildings:
    - Construction of high-performing new buildings
    - Making existing building stock cleaner and more energy efficient
  - Renewed public housing:
    - Energy performance improvements (Capital Renewal Fund)

# PUBLIC SECTOR CLIMATE LEADERSHIP

## cleanBC Initiatives

### BETTER BUILDINGS

Conserving energy and making buildings healthier and more comfortable

### CLEANER TRANSPORTATION

More affordable electric cars, investing in charging stations, shifting to renewable fuels

### PROVINCIAL ADAPTATION STRATEGY

Preparing for, and adapting to, the unavoidable effects of climate change



## Public Sector Climate Leadership Initiatives



### HIGH PERFORMANCE PUBLIC SECTOR BUILDINGS

Energy efficient, low emitting, resilient, high-performing public buildings

**GOAL: 50% emission reduction by 2030**



### FLEET TRANSFORMATION

Robust CEV charging/refueling network, aggressive adoption of CEVs

**GOAL: 40% emission reduction by 2030**



### PUBLIC SECTOR CLIMATE RISK & RESILIENCE

Understanding and managing risks to assets and service delivery; reporting on risk & resilience

# DISCUSSION

