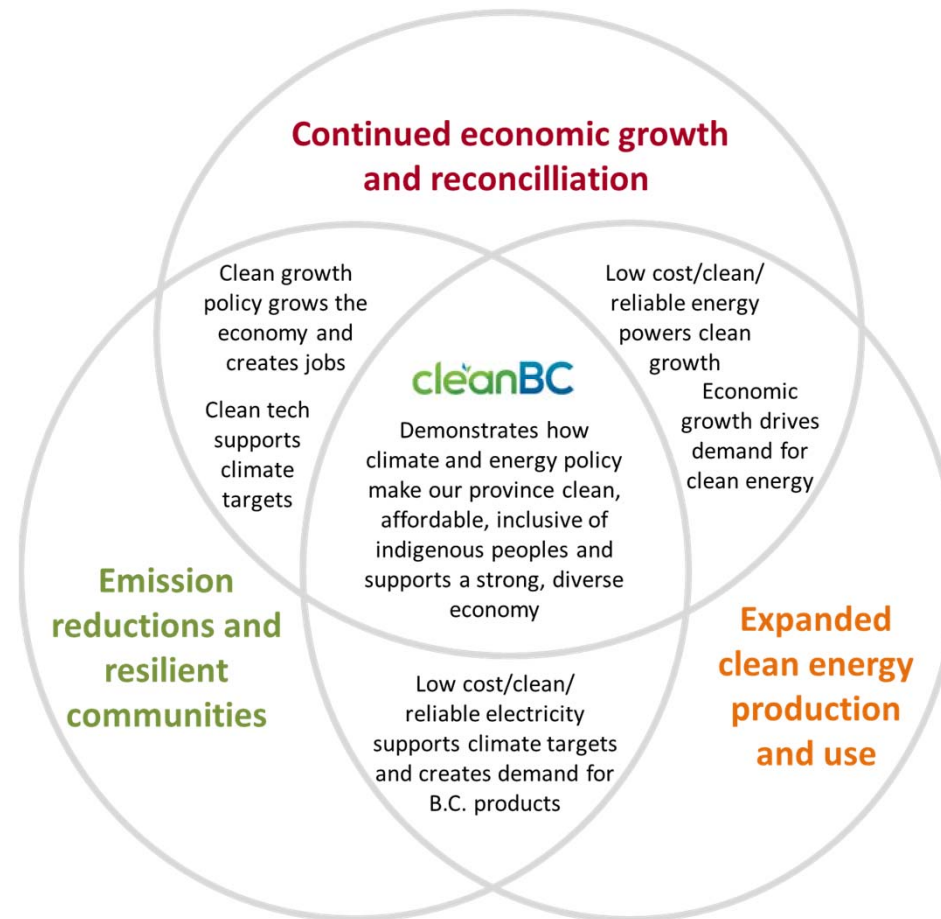


cleanBC

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







- 1 Outlines B.C.'s plan to reach our 2030 climate targets
- 2 Lays out actions that credibly reduce our emissions, with sector-by-sector approach to transportation, buildings, and industry
- 3 Is fully funded, with program specific details in the 2019/2020 Budget

WHAT'S IN CLEANBC

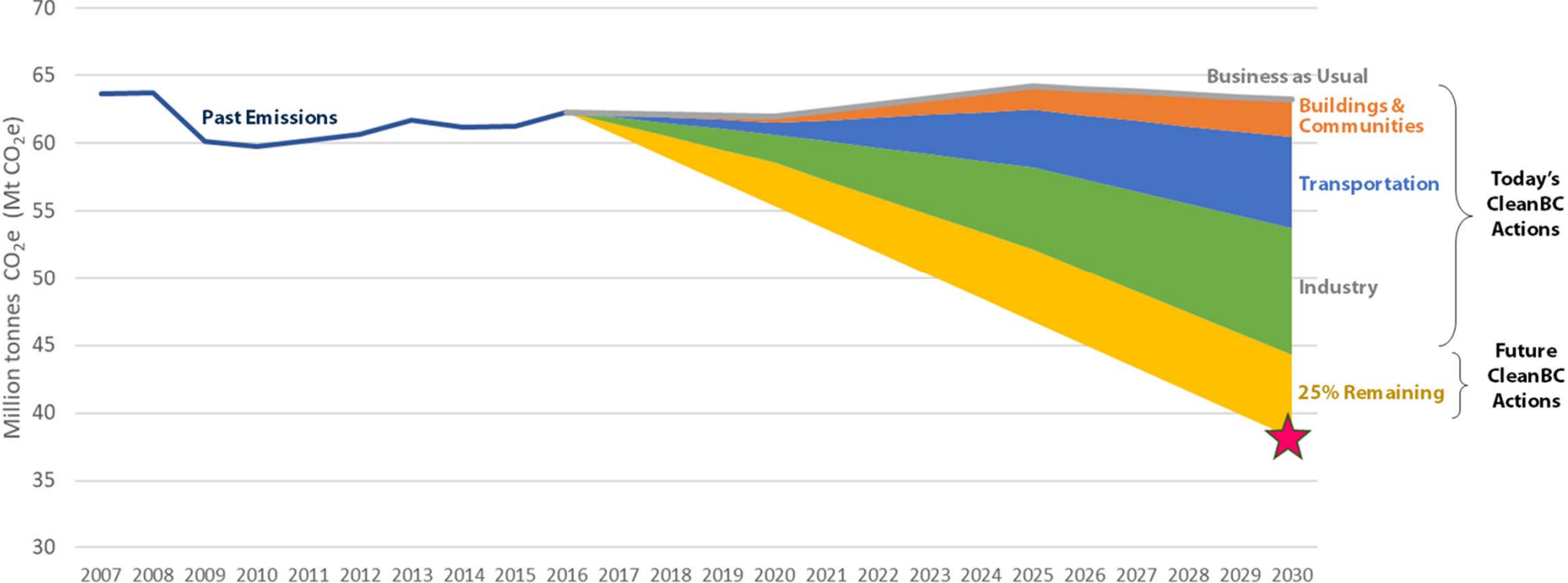


- Moving to lower carbon substitutes including clean electricity
- Partnering with business to create a low-carbon industrial strategy
- Clear path to 2030 emissions reduction targets: 40% below 2007
 - describing specific GHG reductions for first 75% of reductions
 - remaining 25% to be identified over the next 18-24 months
- **18.9 Mt of GHG reductions:**
 - 6.0 Mt reduced from cleaner transportation initiatives
 - 2.0 Mt reduced from improving where we live and work
 - 8.4 Mt reduced from cleaner industry initiatives
 - 0.7 Mt reduced from waste
 - 1.8 Mt reduced from carbon pricing

REACHING OUR 2030 TARGETS



Pathway to meeting our climate goals





FULLY FUNDED IN BUDGET 2019

$$\begin{array}{r} \$679\text{m for CleanBC initiatives} \\ + \quad \$223\text{m supplement to the Climate Action Tax Credit} \\ \hline = \quad \$902\text{m total CleanBC commitment (over ten years)} \end{array}$$

Contingency \$299m additional funding

FOCUSING ON AFFORDABILITY



- Enhanced climate action tax credit (\$40 million) – up to \$135 per adult, \$40 per child. Credit will be further enhanced in coming years
- Reducing carbon pollution in a way that puts people first -- because people need to manage their budgets
 - Helping people make home energy efficiency improvements to cut their energy use and costs
 - Expanding incentives for zero-emissions vehicles and making rebates more accessible
- Ongoing commitment to ensure CleanBC programs and incentives are accessible, effective and help those who need them the most

ELECTRIFYING KEY SECTORS



- Meeting our targets means electrifying key sectors
 - Including housing, transportation, industry
- By 2030, CleanBC policies will require an additional 4,000 gigawatt-hours of electricity
 - This demand is over and above projected BC Hydro demand growth
 - It is equivalent to an 8% increase, and roughly the same as the electricity demand for the City of Vancouver
 - Existing and planned projects that harness B.C.'s vast wealth of clean, renewable power can meet this growth
- Meeting our 2040 and 2050 targets will require substantial additional volumes of new clean electricity



CLEANER TRANSPORTATION



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

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

Make it easier to charge or fuel a ZEV

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

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

IMPROVE WHERE WE LIVE AND WORK



Better buildings

Make every building more efficient by improving the Building Code and increasing efficiency standards

Support for better buildings

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

Support for communities

Help remote communities reduce dependence on diesel and support public infrastructure efficiency upgrades and fuel switching to biofuels with the CleanBC communities fund

efficiencyBC COMMERCIAL RENOVATION

Have questions? Get in touch with an Energy Coach at 1 (844) 861-5735 or email

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- Learn about the EfficiencyBC Custom-lite Program
- Learn about the FortisBC Custom Performance Program
- Find incentives for your energy saving projects
- Completed energy upgrades? Apply online here
- Frequently asked questions

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Products & Services	Your Priorities	Incentive Programs
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CLEANER INDUSTRY



Ramp up the CleanBC program for industry	Direct a portion of B.C.'s carbon tax paid by industry into incentives for cleaner operations
Improve air quality by cutting air pollution	Clean up air pollution in the lower mainland with a pilot project to test options to switch 1,700 freight trucks to cleaner or zero-emission fuel
Reduce methane emissions from natural gas development	Reduce methane emissions from upstream oil and gas operations by 45%
Industrial electrification	Provide clean electricity to planned natural gas production in the Peace region Increase access to clean electricity for large operations with new transmission lines and interconnectivity to existing lines
Carbon capture and storage	Ensure a regulatory framework for safe and effective underground CO ₂ storage and direct air capture
Cleaner fuels for industry	Make industrial natural gas consumption cleaner with a minimum 15% to come from renewable gas

REDUCE EMISSIONS FROM WASTE



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

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

LOW CARBON INDUSTRIAL STRATEGY



- Partnership between Province and Business Council of British Columbia
- Position the province as a global supplier of choice for low-carbon goods, services and technologies in domestic and global markets
- Focus areas:
 - Competitiveness
 - Branding and communications
 - Regulatory Functions
 - Technology, Innovation and Infrastructure



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



STAYING ACCOUNTABLE



Comprehensive reports under the *Climate Change Accountability Act*:

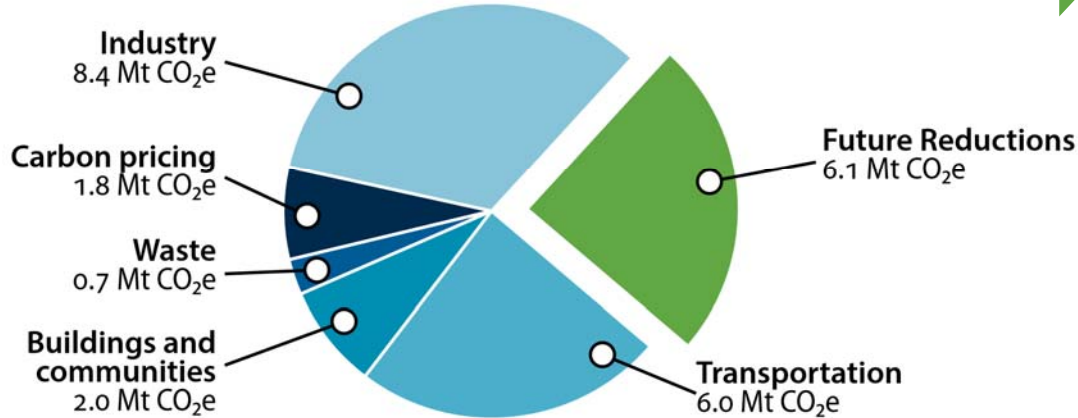
- table in the Legislature an annual report of spending, program results and anticipated reductions from the previous year
- forecast emissions for three years in the future, based on strategic initiatives and modelling
- publish emissions results as we get the information

The independent Climate Solutions and Clean Growth Advisory Council will provide a review of government's progress in reducing emissions as well as advice on future actions. Their first report will be available in 2019.

WORK WILL CONTINUE IN 2019



Reductions to achieve 2030 target



The remaining 6.1 Mt in reductions 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.

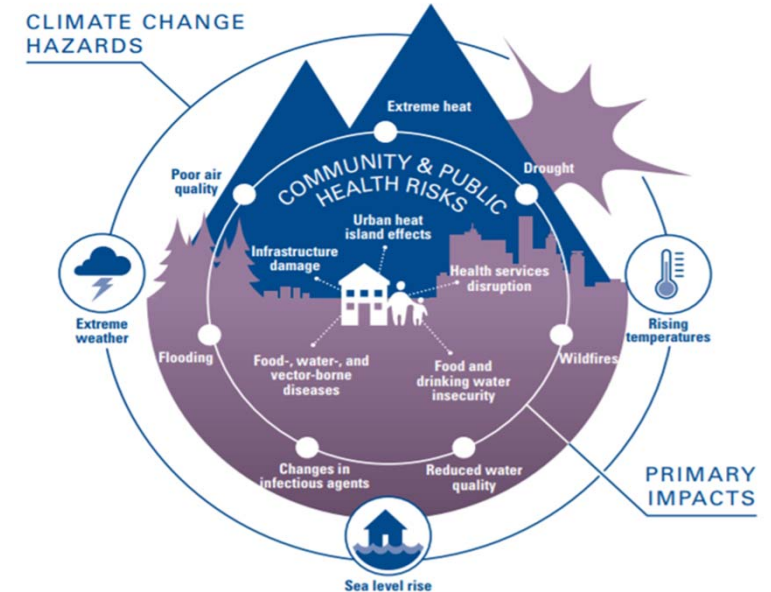
WORK WILL CONTINUE IN 2019



By 2020, province will develop a new strategy to manage climate-related risks

- Early work underway in partnership with local governments and First Nations to address impacts
- 2 reports calling for stronger actions
- BC undertaking a provincial strategic climate risk assessment to lay foundation for future efforts – to inform priorities areas and new strategy
- Indigenous engagement and public consultation opportunities coming in 2019

Adaptation





QUESTIONS?