## **A Clean Bill**

How clean energy makes life more affordable for Canadians

Trevor Melanson, communications director



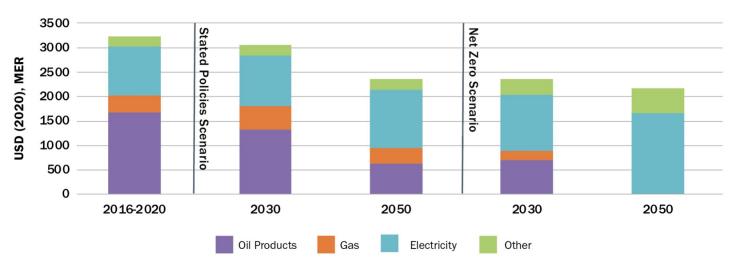






# Canadians will spend less money on energy than they do today as we transition from fossil fuels to clean energy

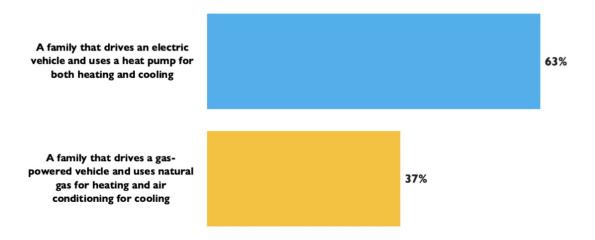
## Average household energy bills by fuel in advanced economies in the Stated Policies and Net Zero Scenarios, 2016 - 2050



Source: International Energy Agency, World Energy Outlook 2021

## Families will spend a bit more on electricity—and a lot less on fossil fuels

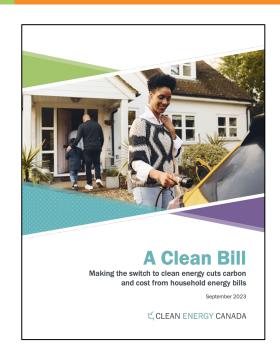
### Which families do you think would spend less on energy overall?



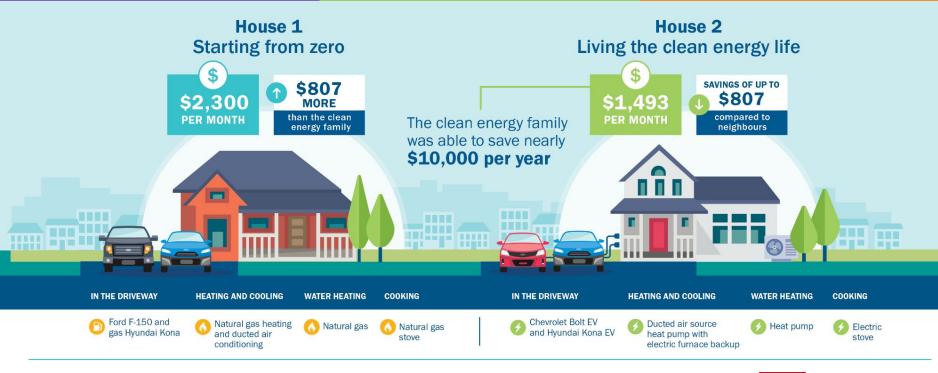
### Ditching fossil fuels can save money

Clean Energy Canada's analysis finds that switching to clean energy, like EVs and heat pumps, would save a household in the Greater Toronto Area over \$800 per month—even when upfront costs are factored in.

We will be running numbers for all provinces this year and releasing an interactive website/calculator.



### Clean energy single-family households come out ahead



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### Starting from zero

MONTHLY BILL				
	ENERGY COSTS	EQUIPMENT COSTS* (excludes resale value for cars)	TOTAL	
VEHICLE COST	\$1,118	\$829	\$1,947	
<b>HEATING &amp; COOLING</b>	\$151	\$40	\$191	
WATER HEATING	\$16	\$9	\$25	
COOKING	\$2	\$9	\$11	
REMAINING ELECTRICITY BILL	\$126		\$126	
CLIMATE ACTION INCENTIVE PAYMENT (carbon tax rebate)	\$(81)		\$(81)	
TOTAL	\$1,412	\$888	\$2,300	

#### Clean energy family

MONTHLY BILL			
	ENERGY COSTS	EQUIPMENT COSTS*  (excludes resale value for cars)	TOTAL
VEHICLE COST	\$473	\$720	\$1,193
<b>HEATING &amp; COOLING</b>	\$102	\$33	\$136
WATER HEATING	\$15	\$12	\$27
COOKING	\$4	\$7	\$11
REMAINING ELECTRICITY BILL	\$126		\$126
CLIMATE ACTION INCENTIVE PAYMENT (carbon tax rebate)	\$(81)		\$(81)
TOTAL	\$720	\$773	\$1,493





\$1,493 PER MONTH



# Clean energy multi-family dwelling households come out ahead



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#### Starting from zero

MONTHLY BILL				
	ENERGY COSTS	EQUIPMENT COSTS*  (excludes resale value for cars)	TOTAL	
VEHICLE COST	\$463	\$290	\$753	
<b>HEATING &amp; COOLING</b>	\$100	\$5	\$106	
WATER HEATING	\$10	\$9	\$20	
COOKING	\$2	\$9	\$11	
REMAINING ELECTRICITY BILL	\$52		\$52	
CLIMATE ACTION INCENTIVE PAYMENT (carbon tax rebate)	\$(61)		\$(61)	
TOTAL	\$628	\$313	\$941	

### **Clean energy family**

MONTHLY BILL			
	ENERGY COSTS	EQUIPMENT COSTS*  (excludes resale value for cars)	TOTAL
TRANSPORT	\$286		\$286
<b>HEATING &amp; COOLING</b>	\$71	\$40	\$111
WATER HEATING	\$10	\$12	\$22
COOKING	\$4	\$7	\$11
REMAINING ELECTRICITY BILL	\$52		\$52
CLIMATE ACTION INCENTIVE PAYMENT (carbon tax rebate)	\$(61)		\$(61)
TOTAL	\$423	\$59	\$482







## Savings are even greater in other provinces

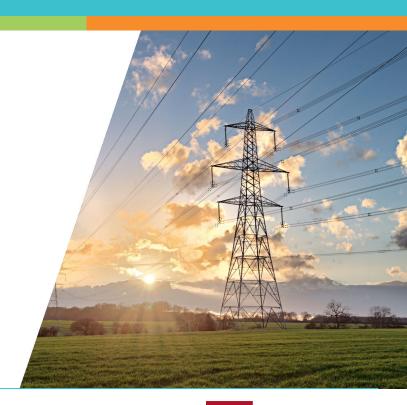
In Metro **Vancouver**, savings go up to

**\$1,037** for single-detached homes **\$495** for condos

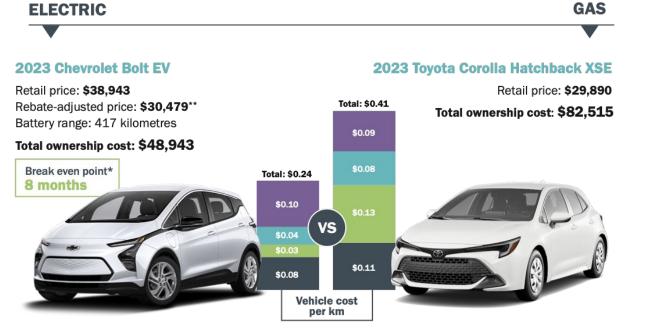
And in **Halifax**, savings are

**\$940** for single-detached homes

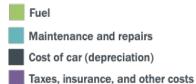
**\$647** for condos



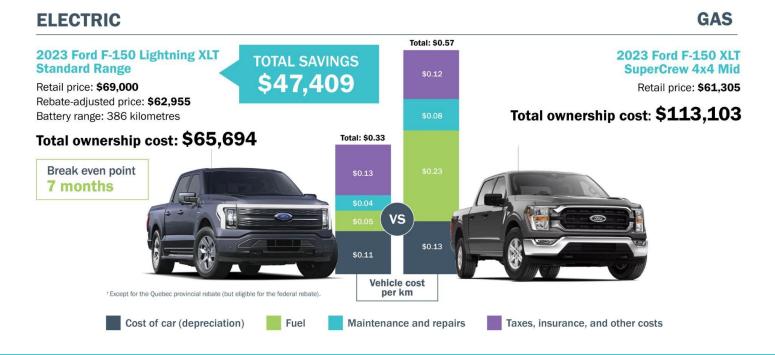
### EVs are the biggest money savers



Choosing a Chevrolet Bolt instead of a Toyota Corolla Hatchback would save \$33,600 over a 10-year ownership period.

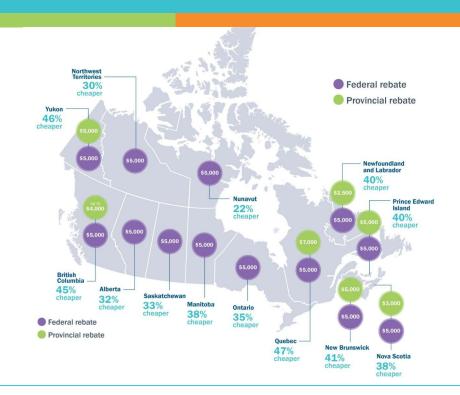


### For cars of every size

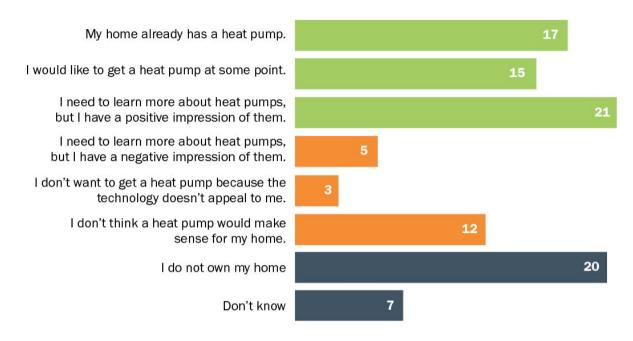


## EVs are cheaper - no matter where you live

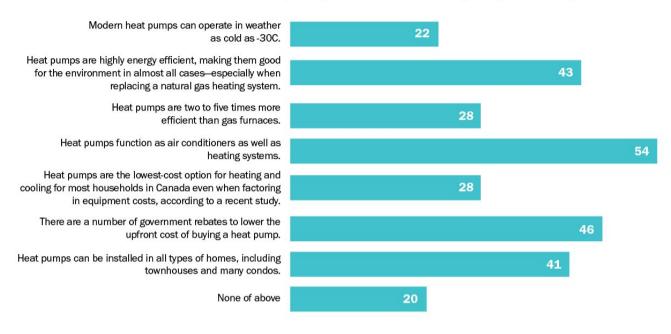
But savings are greatest in **Quebec** and **British Columbia**, where electricity is much cheaper than gas and provincial rebates are available



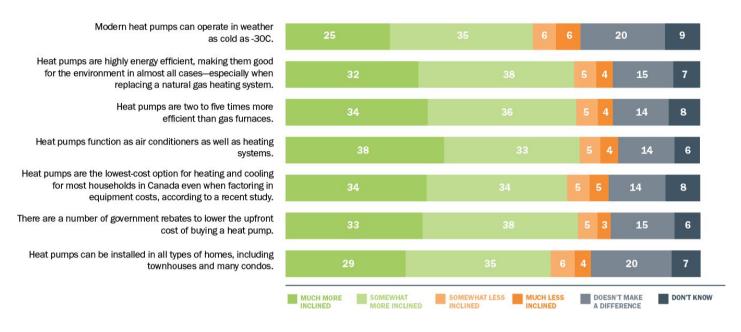
From what you know about heat pumps, how would you feel about installing one in your home?



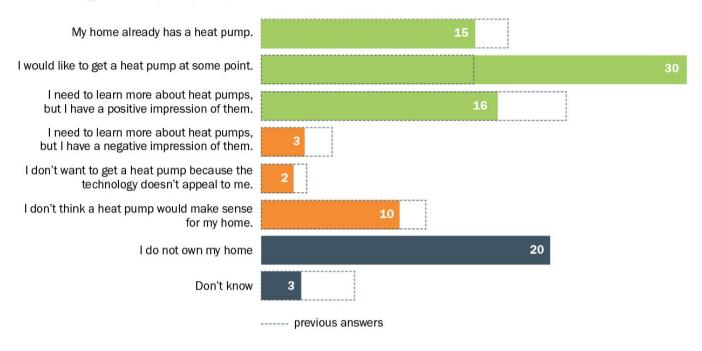
Below are a number of facts about heat pumps. Select all that you previously knew about before this survey.



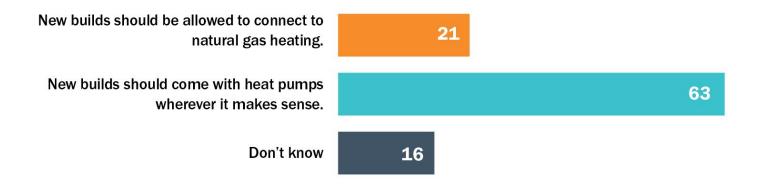
#### Indicate if each fact would make you more or less inclined to install a heat pump in your home.



We would like you to now reconsider and re-answer the same question from before: how would you feel about installing a heat pump in your home?



In regions of the province where heating needs can be met with heat pumps, should new buildings be permitted to connect to natural gas for heat in the construction phase or should they come with heat pumps instead?



## **Questions?**

Each Monday we publish the Clean Energy Review, a free weekly digest of must-read climate and clean energy stories from across Canada and around the world.