

Calgary



# Calgary Electric Vehicle Strategy

Stakeholder Workshop  
06 December 2016



## Agenda

	ITEM	TIME
1	Welcome and Presentation	2:00 – 2:15
2	Workshop Activities	2:15 – 3:00
3	Break – Gallery Wall	3:00 – 3:15
4	Workshop Activities	3:15 – 3:50
5	Wrap-up (and Gallery Wall)	3:50 – 4:00

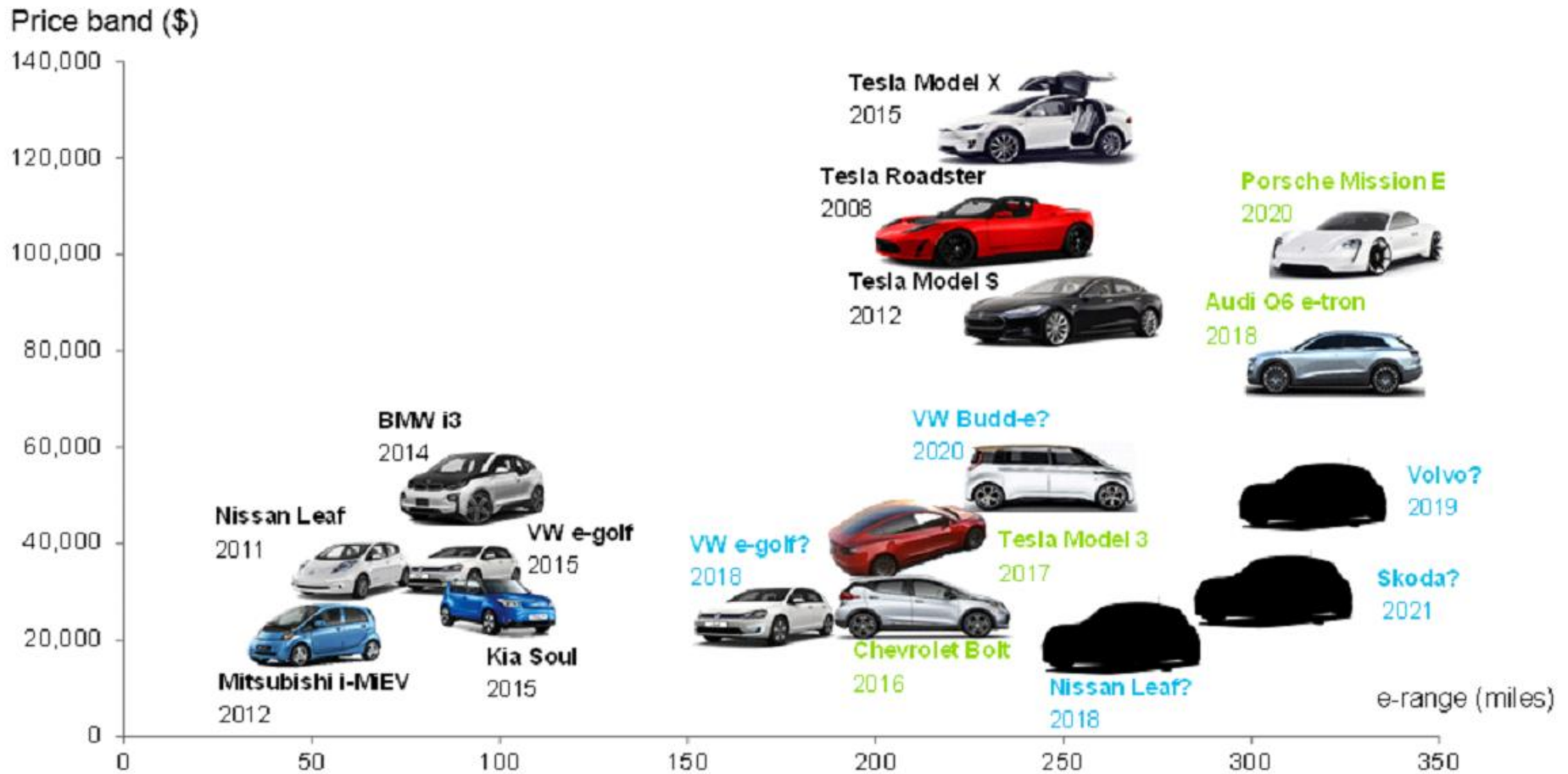


# Why an Electric Vehicle Strategy?





# An Emerging Technology



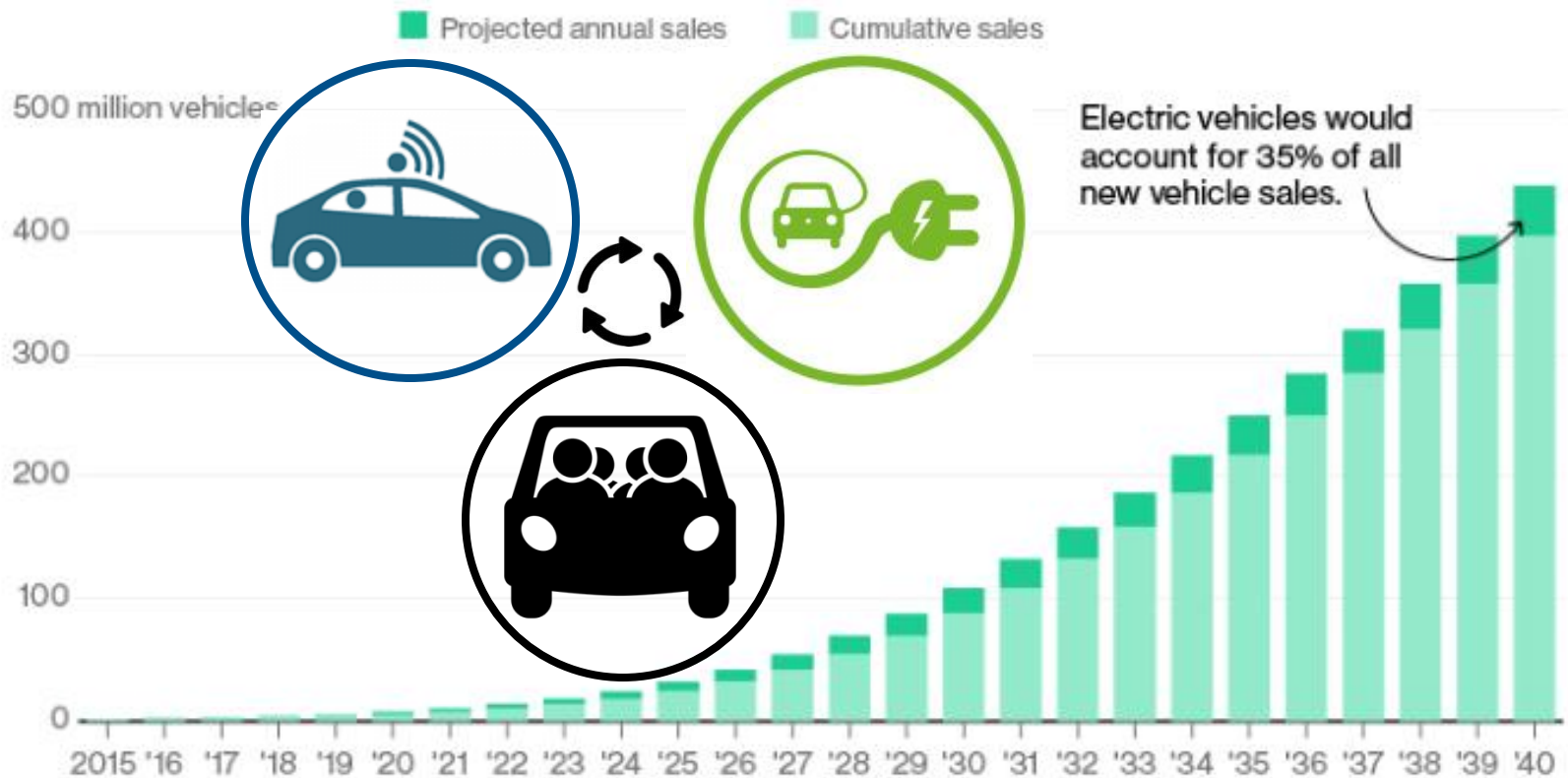
**Note:** Selected US battery electric vehicles (BEV) only. Positions are representative and do not indicate exact prices or range. Back labels = currently available, green labels = forthcoming models with specifications and timeline released. Blue labels = announced but limited details confirmed. Range is based on manufacturers statements, not on any specific test cycle.



# An Emerging Technology

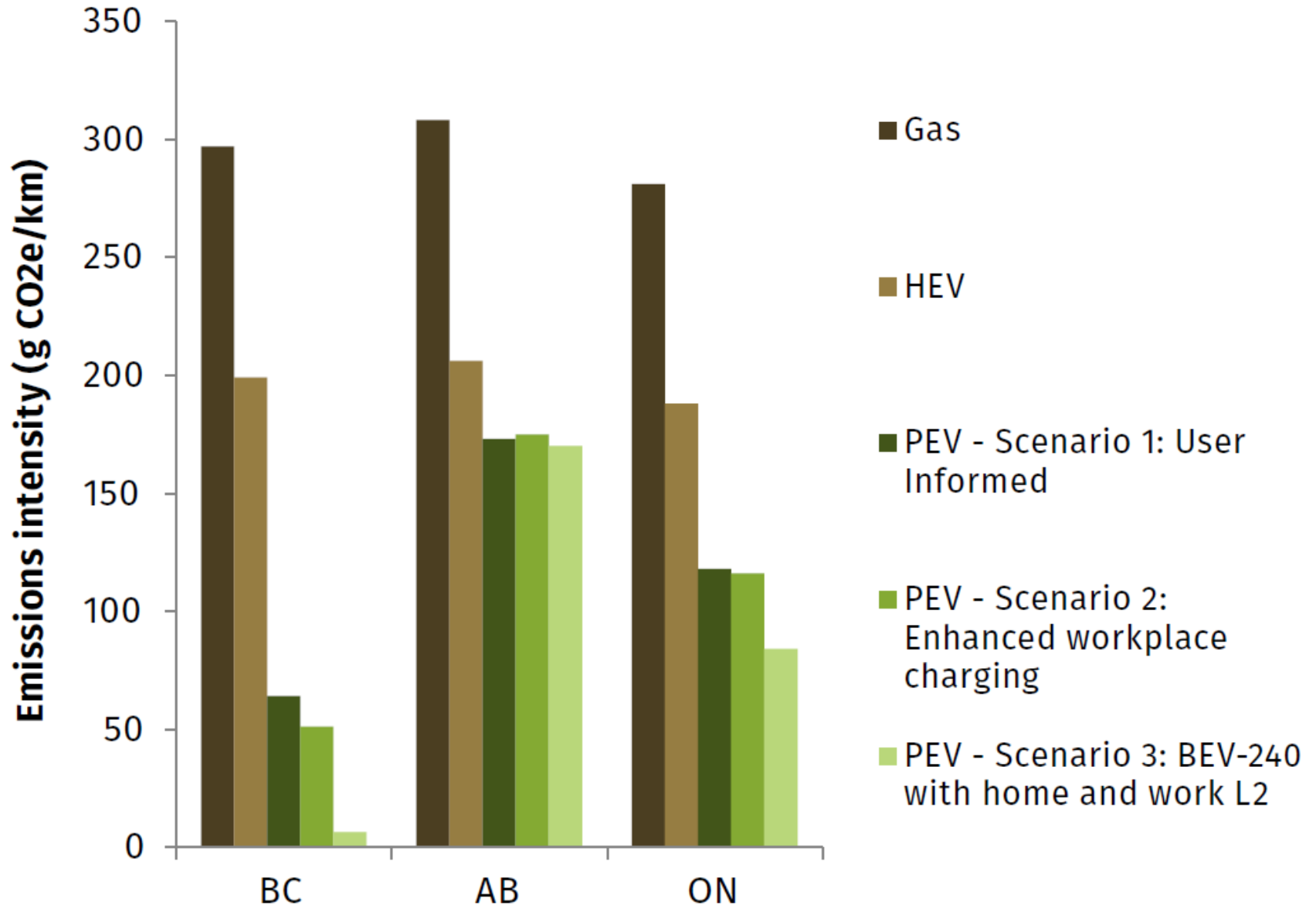
## The Rise of Electric Cars

By 2022 electric vehicles will cost the same as their internal-combustion counterparts. That's the point of liftoff for sales.



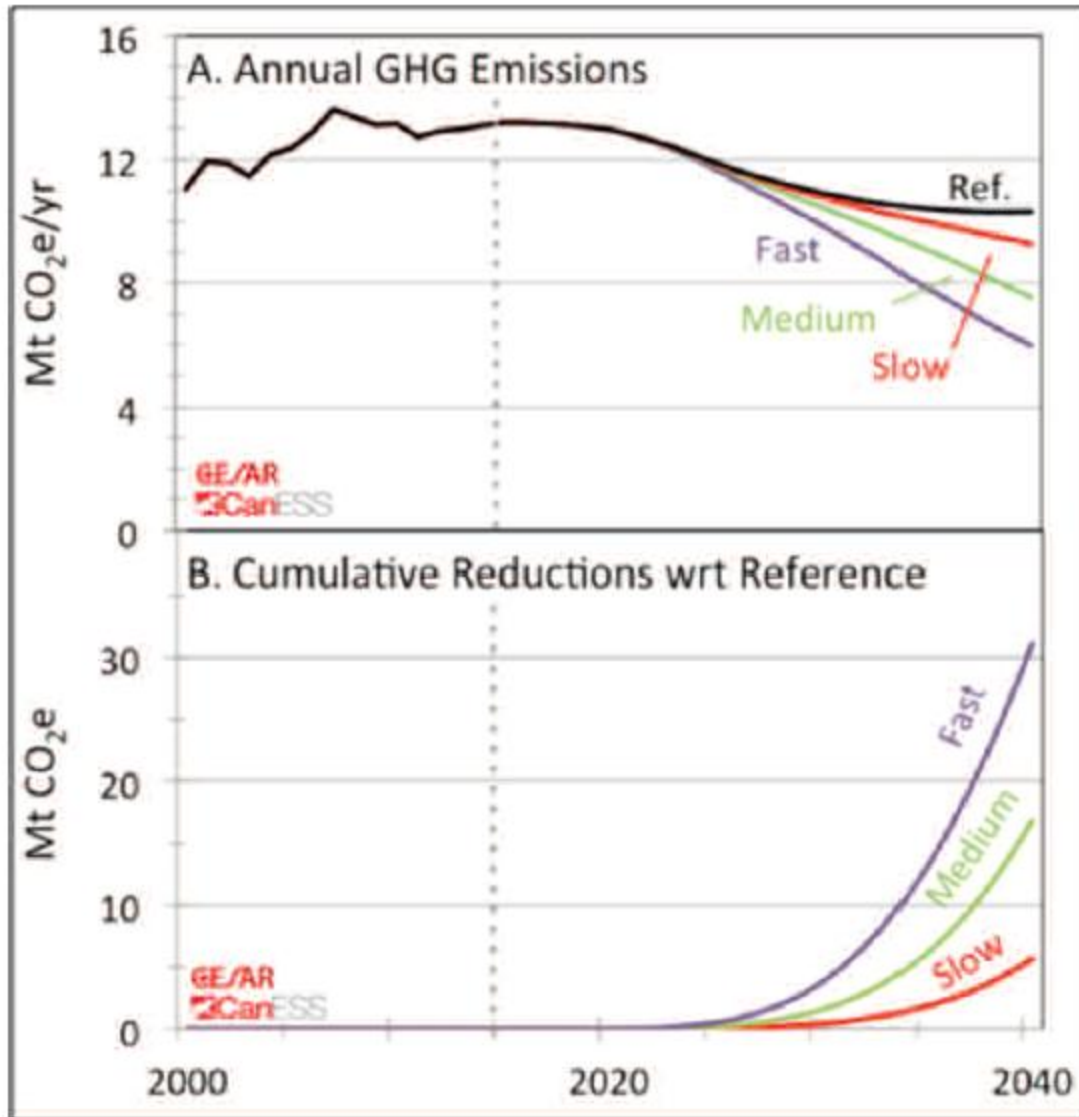


# Reduces GHG Emissions





# Reduces GHG Emissions



Slow = 10% GHG reduction

Med = 25% GHG reduction

Fast = 40% GHG reduction

**NOTE:** Does not account for faster coal phase out

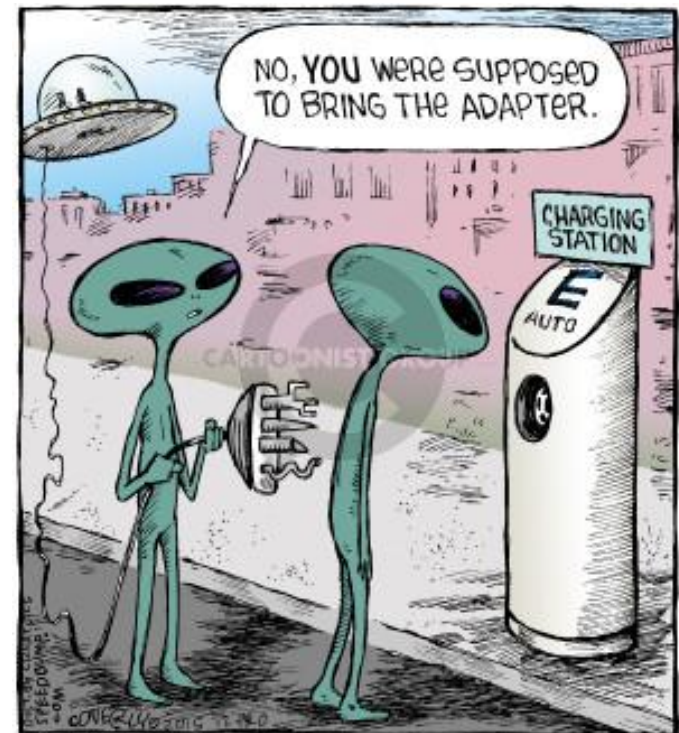
# Current City of Calgary Actions





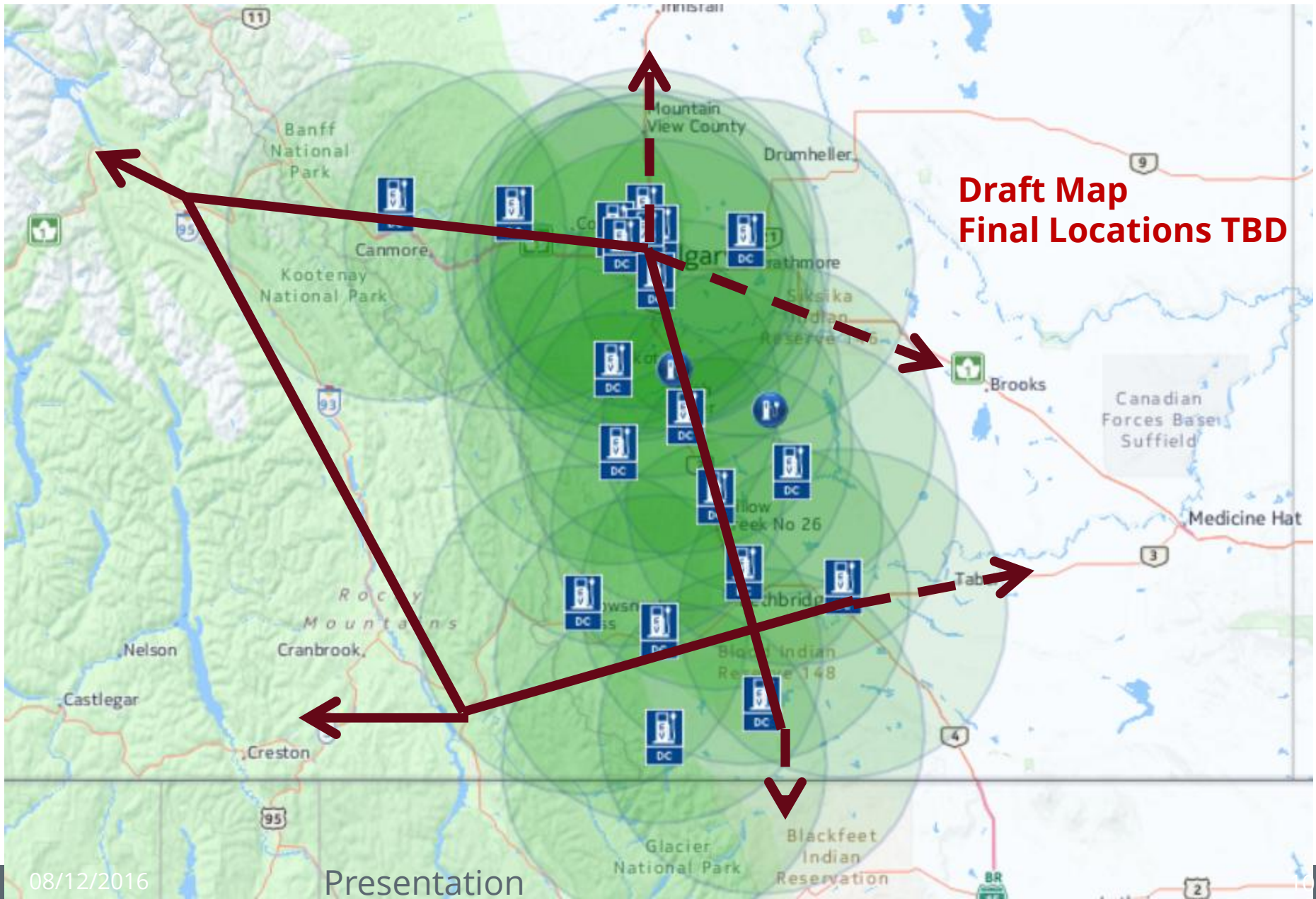
## Keys to Success

- Financial Incentives & Multiple EV Models
- Home and Work Place Charging (*spring 2017*)
- Public Awareness / Engagement
- Public Charging Infrastructure
  - **Current** = 31 Level 2 chargers plus 15 Tesla chargers;
  - **Ideal** = 125 - 250 Level 2 chargers; 12 fast chargers





# Regional DC Fast Charging Network



**Draft Map  
Final Locations TBD**



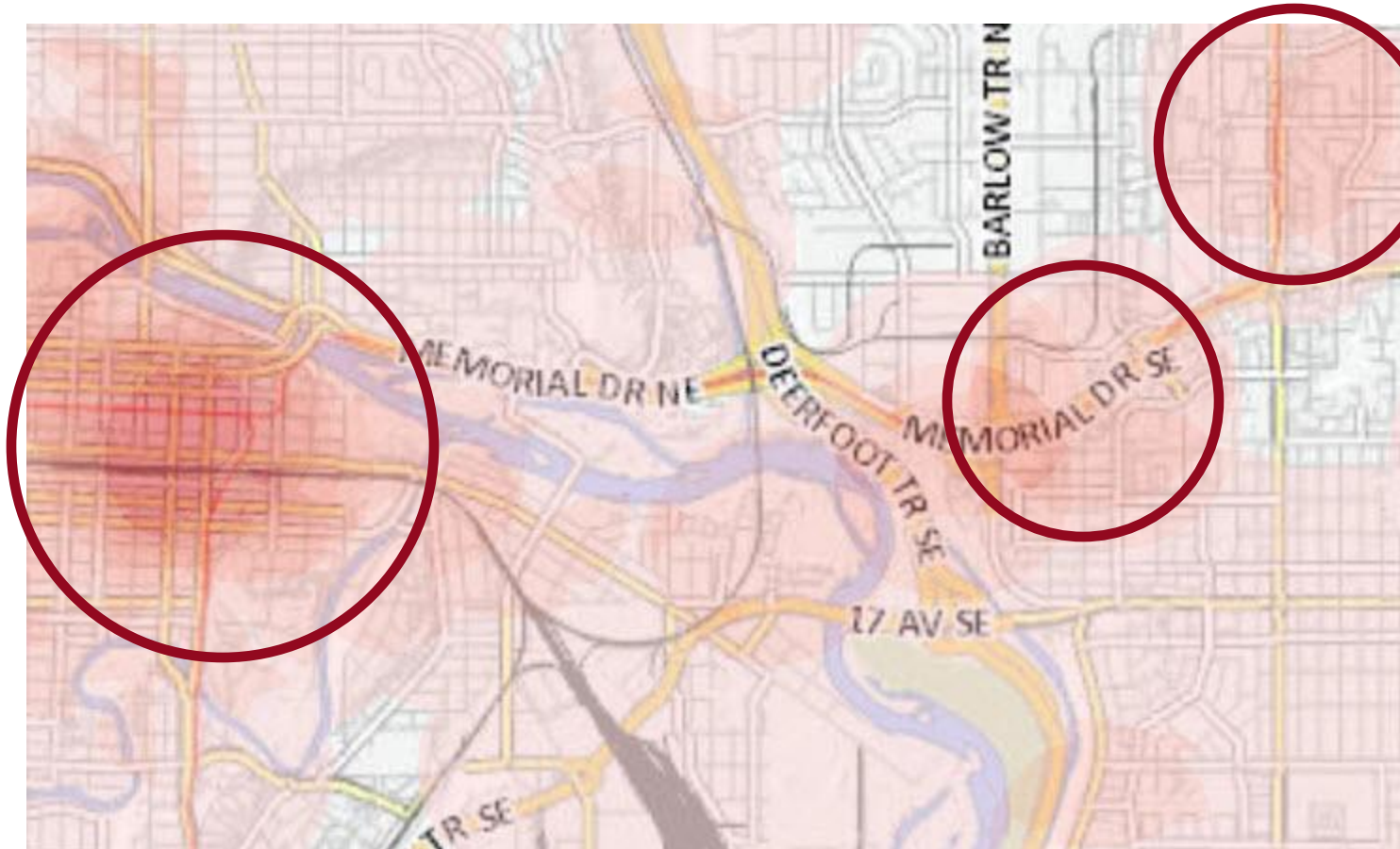
## Consultant Recommended Criteria

- Park and Ride locations
- Public parking lots
- Key amenities
  - community centres
  - shopping malls / commercial areas
  - parks and recreation centres
  - public attractions and institutions
  - entertainment centres (e.g. theatres)
- Existing public charging stations





# Draft Analysis for Level 2 Charging





**Topic 1:** Location and Measurement Criteria

**Topic 2:** Roles / Partnerships

**Topic 3:** Challenges and Opportunities

**Topic 4:** Electric Vehicle Adoption

**Gallery Wall:** What are you or others doing around EVs?



## Next Steps:

Action	Timeline
Additional Stakeholder Workshops	February - April, 2017
Future of Transportation Tech Report	First Quarter, 2017
Online Public Engagement	March - April, 2017
Complete EV Strategy	May - June, 2017

## Find Us Online:

[www.calgary.ca](http://www.calgary.ca) → search “Electric Vehicle Strategy”