



Fraser Basin Council



*The Fraser Basin  
Council Vision •  
Social well-being,  
supported by a  
vibrant economy and  
sustained by a  
healthy environment*



# The State of Charge in BC

VISOA: Bright Ideas for Stratas

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# About FBC

Formed in 1997, the Fraser Basin Council is a non-profit organization committed to advancing sustainability across BC



*Fraser Basin Council*







# FBC Strategic Priorities

Taking Action  
on Climate  
Change and Air  
Quality



# BACKGROUND: EV Charging in BC

## CEV Phase 1 (2011-Present; Installed)

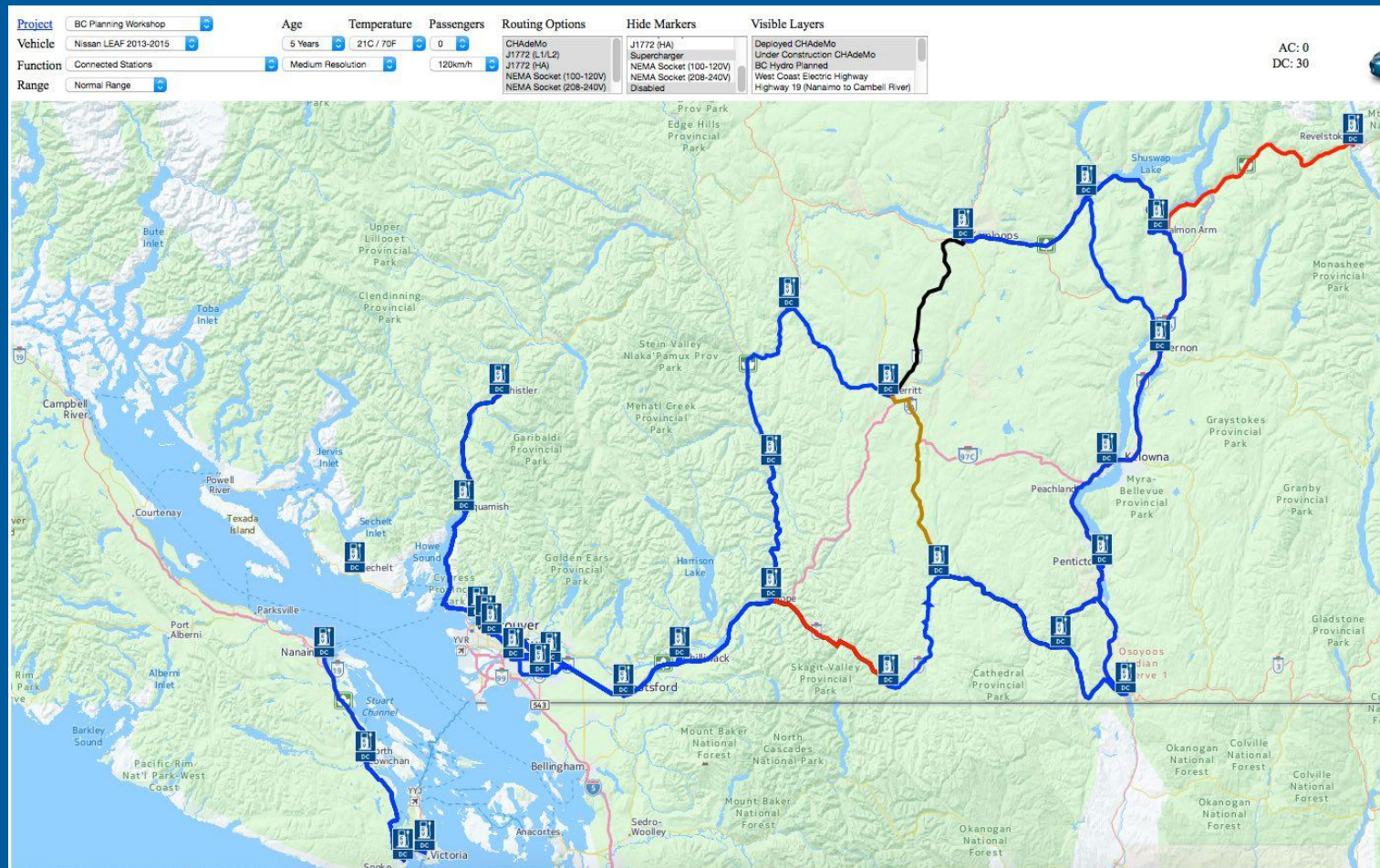
- 30 DCFC
- >700 L2 public, mixed & fleet
- 300+ Residential (home)

## CEV Phase 2 (Studied)

- 10 SAE Combo upgrades
- Fleet Electrification
- DCFC in critical areas gap
- L2 in critical sector gap

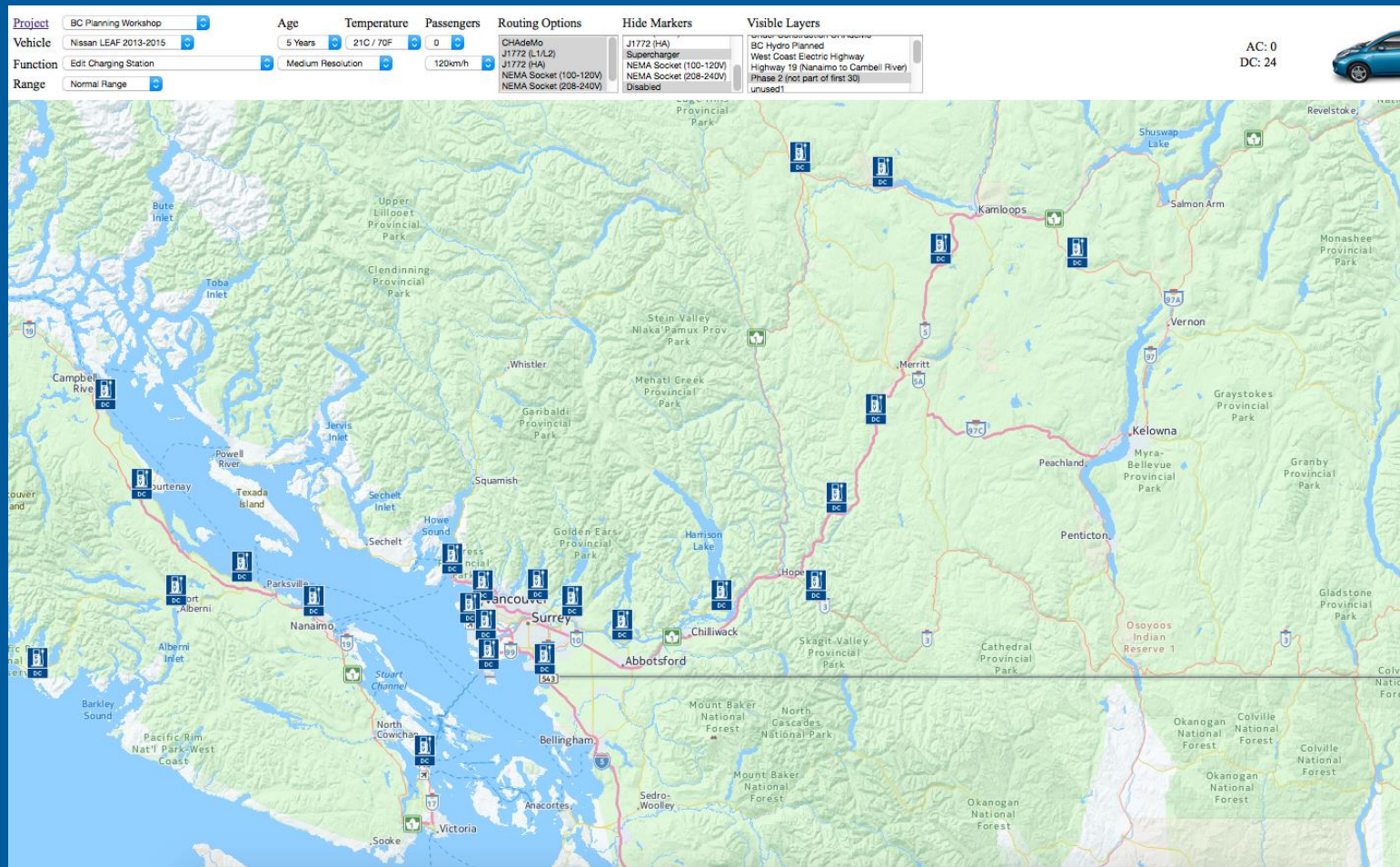


# CEV Phase 2: DCFC Gap Analysis

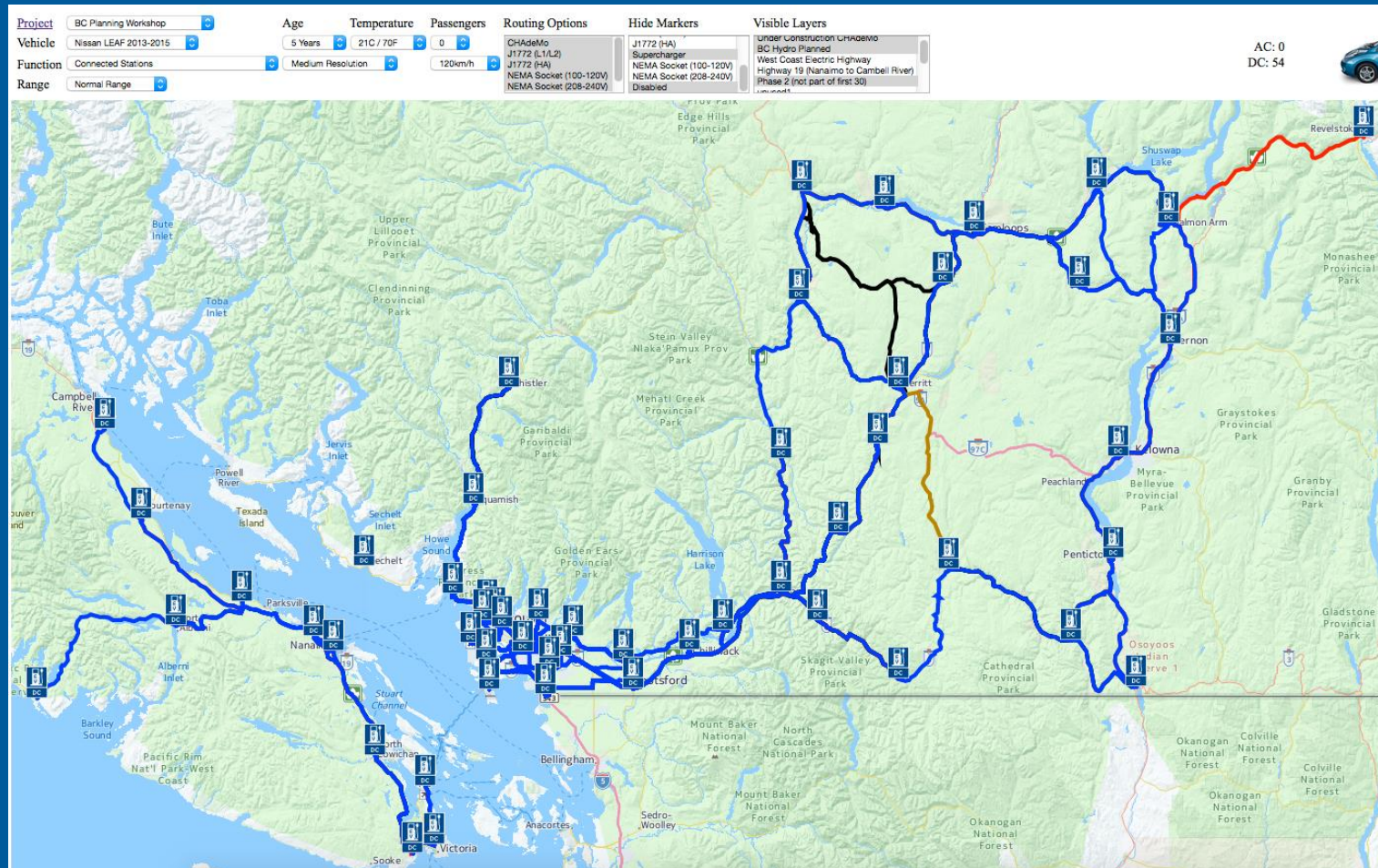




# CEV Phase 2: Siting DCFCs



# CEV Phase 2: DCFCs





# CEV Phase 2: DCFC Site Interest

- Expression of Interest to NRCan
  - Goal of 70 DCFCs by end of 2018
  - 65km apart
  - June 3 – June 30
- Ask of \$12,500
- BC Hydro to own and operate DCFCs





# CEV Phase 2: MURB Charging



**Multi Unit Residential Building  
Charging Program**

# CEV Phase 2: MURB Charging

- Purpose
  - L2 charging (J1772)
  - 75% of cost up to \$4,500 per head
  - Communication/data tracking
  - Oversized conduit for 6 stations at 40amp each

	Canada <sup>i</sup>	B.C. <sup>i</sup>	Metro Vancouver <sup>ii</sup>
Single Detached Housing	62%	54%	41%
Multi-Unit Housing, Less Than 5 Storeys <sup>iii</sup>	30%	38%	48%
Multi-Unit Housing, 5+ Storeys	7%	6%	10%
Other (e.g. mobile housing)	1%	2%	1%

Percentage of Population by Dwelling Type (2015)



# CEV Phase 2: MURB Charging

- Eligibility
  - BC wide
  - Existing buildings with 3+ dwellings
  - Residents, building owners, strata councils, etc. can apply
  - Resident use only
  - Beyond existing standards



# CEV Phase 2: MURB Charging

- Program is now closed to the public
- Targeting key areas
- Supporting Resources
  - EVSE Manufacturers
  - Navigating Stratas





# Questions?

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