



Electric Vehicles In Fort Chip

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Canada Plans for Zero Emission Vehicles

Transportation accounts for about 25% of Canada's total greenhouse gas (GHG) emissions. That is why the Government of Canada has set a mandatory target for all new light-duty cars and passenger trucks sales to be zero-emission by 2035.

Nationwide surveys show that a lack of awareness, knowledge and public confidence in Zero Emission Vehicles (ZEVs) is a key barrier to adoption of them on a wider scale.

To address these challenges, Natural Resources Canada

developed the **Zero Emission Vehicle Awareness Initiative (ZEVAI)** to support projects that aim to provide education and inspire confidence in ZEV's.

Did You Know?

ZEVs are vehicles that can be driven without producing polluting exhaust, and include fully battery electric, plug-in hybrid electric, and hydrogen fuel cell electric vehicles.

EVs refer to all electric vehicles.

Fort Chipewyan Leads the Way

With no road access to the community for most of the year, most vehicles are used for short trips around town, making Fort Chipewyan an ideal community for electric vehicles (EVs).

Several agencies in Fort Chipewyan operate small fleets of half-ton work trucks and vans. 3NE will work with these agencies to plan for a pilot of electric work trucks/vans – combined with dedicated solar PV charging.

Let's Learn Together

As with other 3NE activities, education and community involvement are important parts of all project work.

The proposed **EV Kickstart** is an awareness program that is more than a collection of courses on electric vehicles. It is an eighteen-month program that:



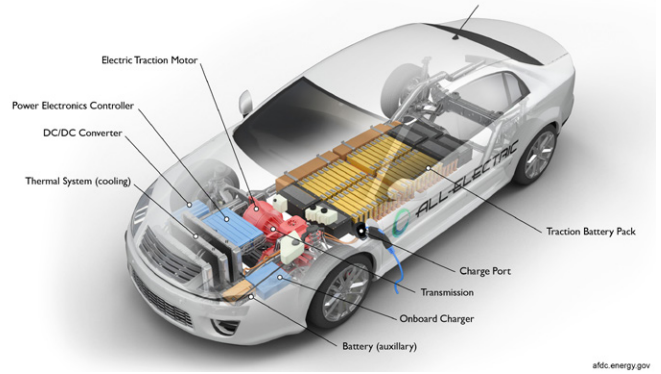
- ◆ involves leaders, community members, school children, adult learners, elders, and community members in learning about and discussing EVs.
- ◆ builds understanding of the practical challenges of using electric vehicles in Canada's North.
- ◆ demonstrates that EVs are a practical transportation option with significant economic and environmental benefits.
- ◆ has content that is adapted to local needs
- ◆ brings the discussion and learning to the community, rather than sending individuals away to learn.



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Meeting Local Needs

The **Fort Chip EV Kickstart** program will focus on four specific groups within the community, tailoring the EV awareness program to each group's needs.



Community Members / Residents of Fort Chip

- ◆ Many residents rely on snowmobile, ATV, and boats as much as typical passenger vehicles for getting around in this isolated community.
- ◆ Community awareness will include all types of EVs available.



Fort Chipewyan Schools

- ◆ 3NE supports local teachers and learners by developing “bite-sized” learning packages.
- ◆ These connect with the Alberta curriculum and can add practical activities to regular classroom learning.
- ◆ New activities will be developed to support student learning around:
 - science of electric vehicles
 - economics
 - environmental benefits
 - possible careers related to EVs



Partner Agencies / Corporations, including:

- ◆ each of the member nations: ACFN, MCFN, and Fort Chipewyan Métis
- ◆ public sector organizations: Regional Municipality of Wood Buffalo, Parks Canada, Nunee Health Authority, Alberta Forestry
- ◆ corporations: ATCO (who operate fleets of work vehicles in Fort Chipewyan)

Working with each of these groups, 3NE will identify EVs available to the community and their benefits, as well as help develop the business plan to upgrade to an EV fleet.



Indigenous Clean Energy Community

- ◆ 3NE plans to “take the project National”, using their connection within the Indigenous and Northern Clean Energy community across Canada.
- ◆ By leading webinars and sharing learning materials with other communities we create excitement in Fort Chipewyan and act as a catalyst for work in other communities facing similar challenges and opportunities.

