Why adding electric to your fleet early on is

A SMART MOVE

YOUR GUIDE TO TRANSITIONING GOVERNMENT FLEETS

Fleet ratio targets requiring a mix of diesel and electric vehicles are becoming more common across the country — and yearly deadlines seem to be approaching faster than ever.

If you've only been looking at your on-road vehicles to meet specific fleet ratio targets, it's worth your time to look at electric off-road equipment too.

Why? By investing in electric heavy equipment early on, you can:

1. Stay ahead of ***new regulations*** to keep your fleet compliant.
2. Take advantage of ***special incentives***, including tax rebates and grants that will likely disappear as new regulations are adopted.
3. Enjoy competitive pricing, plus reduced time and hassle, by purchasing directly through national ***cooperative purchasing contracts***, including Canoe.

In this guide, we'll talk more in depth about each of these topics and provide links to helpful resources so you can make informed decisions that benefit your city.

LET ELECTRIC HEAVY EQUIPMENT HELP

KEEP YOUR FLEET COMPLIANT

DON'T LET NEW REGULATIONS HOLD YOU BACK.

At Volvo, we've been hard at work making the transition from diesel to electric for several models in our product offering. Our many years of experience mean we have experts who can consult with you to get the right electric machines integrated with your existing fleet today — whether that's one machine or many.

Regulatory compliance doesn't have to be difficult or intimidating. As the leader in electric construction equipment design and development, we can help you stay ahead of it, no matter what new regulations come down the pike.

With lots of new regulations already here and new ones continually coming, it can be difficult to fully understand what you need to do to stay compliant. Our team is ready to help you make sense of it all.

Talk to a specialist today

LET US HELP YOU FIND VALUABLE

INCENTIVES, REBATES AND GRANTS

CONCERNED ABOUT THE COST OF ELECTRIC?

We get it. Because electric construction equipment is relatively new, the purchase price is currently more than diesel models.

If you work for a government organization making the transition to electric vehicles, you're likely required to meet certain diesel/electric fleet ratios by a target year.

An investment in electric is coming. Why not take advantage of the wide range of opportunities to lower the costs?

Incentives like tax rebates and grants are available to help with the purchase price, but grants become inaccessible once new regulations require electric adoption. The earlier you act, the better chance you have of securing funds to help with purchasing an electric machine.

There are hundreds of programs available throughout the country and many more that are under development. Volvo has been researching and documenting these, and we're ready to help you identify programs that work for you. Two of the more extensive programs you should consider starting with are outlined to the right.

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LET US HELP YOU FIND VALUABLE

INCENTIVES, REBATES AND GRANTS

YUKON CARBON REBATE

Your company may be eligible for the general business rebate which is issued as a refundable credit on your tax return. Businesses receive a credit based on the value of eligible Yukon assets. Clean technology assets that reduce fossil fuel consumption are eligible for a Super Green Credit which is significantly higher than the credit for buildings and other types of equipment. How much can you get?

FIND OUT

GO ELECTRIC (BRITISH COLUMBIA)

The CleanBC Go Electric Commercial Vehicle Pilots (CVP) Program intends to encourage and accelerate the adoption of commercial zero-emission vehicles (ZEVs). This program is for B.C.-based businesses, non-profits, local governments, Indigenous communities and eligible public entities looking to deploy ZEV technology in commercial applications along with supporting infrastructure. Successful applicants are eligible to receive funding support of up to one-third of total costs of their ZEV deployments and/or infrastructure projects.

LEARN MORE

YUKON LEVEL 2 ELECTRIC VEHICLE CHARGER REBATE

You can even get a rebate on your electric equipment chargers. Eligible chargers or supply equipment must have a power supply between 208 and 240 V and be equipped with an SAE J1772 standard plug (J Plug) — the same plug that's used for Volvo electric equipment. Looking for full program details?

TAKE ME THERE

NON-ROAD DIESEL EMISSIONS PROGRAM (VANCOUVER)

The goal of this program is to reduce diesel particulate matter emissions associated with non-road equipment. In 2022, the NRDE program was updated with new requirements and a fee schedule that extends out to 2030. The program requires tenants to report and label all non-road diesel equipment and pay fees on older, higher emission equipment.

GET THE DETAILS

NOT SURE WHERE TO START? WE CAN HELP.

Volvo has conducted a thorough analysis of tax incentives, rebates and grants available across the country, and we've developed a comprehensive tool we use to help you find the funding or incentives you're looking for. No matter which province or territory you're in, we're ready to work with you to discover all your available opportunities.

Talk to a specialist today

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PROCURE ELECTRIC MACHINES

WITHOUT THE NEED FOR BID-LETTING

SIMPLIFY YOUR PURCHASES WITH COMPLIANT, COMPETITIVE CONTRACTS.

At Volvo, we hold a national cooperative contract that gives you the power to:

- Secure the most competitive government pricing Volvo has to offer.
- Leverage an already solicited contract to save time spent having to go out to tender.
- Fill any gaps in your current contracts.
- Explore innovative ways to rent to own, finance or purchase equipment in our inventory with low hours at a depreciated rate.

canoe APPROVED SUPPLIER

READY TO PUT QUIET, EFFICIENT, EMISSIONS-FREE MACHINES TO WORK?

Now you can — plus, you can enjoy all the benefits of purchasing directly through the Canoe contract. Get competitive pricing. Save time. Then save money for years to come.

Our electric asphalt compactor and multiple sizes of electric compact excavators and wheel loaders deliver smooth, quiet performance with zero exhaust emissions, lower energy costs and less maintenance compared to their conventional counterparts — and they offer the powerful performance you expect from Volvo.

Integrating electric equipment into your fleet may be easier than you think. When you do, you can save upfront with competitive government pricing and special incentives — then you'll save for years to come with efficient, low-maintenance machines that can take on anything you throw their way. Want to learn more?

Talk to a specialist today

VOLVO

EXPERIENCE RELIABLE

PERFORMANCE YOU CAN TRUST

WHICH ELECTRIC MODEL IS RIGHT FOR YOU?

These specs can help you determine which zero-emission machine can complement your fleet.

L20 ELECTRIC COMPACT WHEEL LOADER	
OPERATING WEIGHT	10,031 lbs | 4,550 kg
STANDARD BUCKET CAPACITY	1.05 yd^3 | 0.8 m^3
MAXIMUM TRAVEL SPEED (STANDARD)	12.5 mph | 20 km/h
BREAKOUT FORCE	6,969 lbf | 31 kN
FORK PAYLOAD 80%	3,968 lbs | 1,800 kg
AC STANDARD CHARGING (0 TO 100%)	5 hr
DC FAST CHARGING (0 TO 80%)	1 hr 40 min

L25 ELECTRIC COMPACT WHEEL LOADER	
OPERATING WEIGHT	11,199 lbs | 4,900 - 5,270 kg
STANDARD BUCKET CAPACITY	1.2 yd^3 | 0.9 m^3
MAXIMUM TRAVEL SPEED (STANDARD)	12 mph | 20 km/h
BREAKOUT FORCE	12,252 lbf | 54.5 kN
FORK PAYLOAD 80%	4,409 lbs | 2,000 kg
AC STANDARD CHARGING (0 TO 100%)	6 hr
DC FAST CHARGING (0 TO 80%)	1 hr 30 min

ECR18 ELECTRIC COMPACT EXCAVATOR	
OPERATING WEIGHT	3,950 – 4,120 lbs | 1,790 - 1,870 kg
MAX DIGGING DEPTH (SHORT/LONG ARM)	8'4" – 8' 11" | 2,528 - 2,727 mm
MAX DUMP HEIGHT (SHORT/LONG ARM)	8' 0" – 8' 6" | 2444 - 2588 mm
BREAKOUT FORCE	2,900 lbf | 12.9 kN
OVERALL WIDTH	3' 3" – 4' 5" | 995 - 1,352 mm
AC STANDARD CHARGING (0 TO 100%)	5 hr
DC FAST CHARGING (0 TO 80%)	40 min

EC18 ELECTRIC COMPACT EXCAVATOR	
OPERATING WEIGHT	3,950 – 4,321 lbs | 1,960 kg
MAX DIGGING DEPTH (SHORT/LONG ARM	8' 2" – 8' 10" | 2,500 - 2,700 mm
MAX DUMP HEIGHT (SHORT/LONG ARM)	8' 0" – 8' 6" | 2444 - 2588 mm
BREAKOUT FORCE	2,900 lbf | 12.9 kN
OVERALL WIDTH	3' 3" – 4' 5" | 995 - 1,352 mm
AC STANDARD CHARGING (0 TO 100%)	6 hr
DC FAST CHARGING (0 TO 80%)	45 min

ECR25 ELECTRIC COMPACT EXCAVATOR	
OPERATING WEIGHT	5,908 – 6,129 lbs | 2,680 - 2,780 kg
MAX DIGGING DEPTH (SHORT/LONG ARM)	8' 9" – 9' 9" | 2,672 - 2,965 mm
MAX DUMP HEIGHT (SHORT/LONG ARM)	9' 2" – 9' 8" | 2784 - 2957 mm
BREAKOUT FORCE	5,013 lbf | 22.3 kN
OVERALL WIDTH	5' 1" | 1,550 mm
AC STANDARD CHARGING (0 TO 100%)	6 hr
DC FAST CHARGING (0 TO 80%)	45 min

DD25 ELECTRIC COMPACTOR	
OPERATING WEIGHT	6,195 lbs | 2,810 kg
DRUM OR ROLLING WIDTH (NARROW CONFIGURATION)	39.3" | 1,000 mm
DRUM OR ROLLING WIDTH (WIDE CONFIGURATION)	47.2" | 1,200 mm
AMPLITUDE	.021" | 0.503 mm
VIBRATION FREQUENCY	3300VPM/55Hz 4000VPM/67Hz | 55/67 hz
AC STANDARD CHARGING (0 TO 100%)	3 hr
DC FAST CHARGING (0 TO 80%)	45 min

SKEPTICS IN YOUR ORGANIZATION?

PUT THEM AT EASE ABOUT GOING ELECTRIC

YOU HAVE QUESTIONS – WE HAVE ANSWERS.

If others on your team have questions or concerns about electric heavy equipment, we've put together multiple articles and resources to help answer all the top questions you may get.

Please feel free to share the articles below with those responsible for managing or using this type of equipment.

Electric Construction Equipment Terms and Definitions

Better understand the language of electromobility and have more meaningful conversations with others when talking about electric heavy equipment.

Machine Performance: Electric vs. Diesel

Electric machines are every bit as powerful and productive as diesel-powered models. In some cases, they exceed performance specs for diesel machines.

Results From Early Adopters

What do early users of electric construction equipment have to say about their experiences? Take a look.

Electric Machine Charging

Charging is a popular topic. This article can help you better understand the charging infrastructure that's best for electric heavy equipment.

Operating Electric Equipment in Cold Weather

Use these tips to help ensure you and your electric machines stay productive in cold temperatures longer.

How to Maintain Electric Equipment

The lack of an engine means Volvo electric machines are much easier to service than diesel machines. Here's what your technicians need to know.

Electric Equipment FAQs

Get answers to some of the most commonly asked questions about electric heavy equipment.

Talk to a specialist today