

EV Revolution 2023: GM RE100 Goal and General Motors Perspective

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Speaker

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EV Revolution: GM RE100 Goal & General Motors Overview

On April 25, 2023, the National Institute of Building Sciences partnered with General Motors for a webinar entitled EV Revolution: GM RE100 Goal and the General Motors Perspective.

The webinar focused on GM's commitment to electric vehicles (EV) while working to reducing the company's carbon footprint.

GM's key efforts in electrification include a 4-pillar strategy to achieve the RE100 goal – a future with zero crashes, zero emissions, and zero congestion for EVs, and various technologies and services GM is launching. These efforts are in line with recent actions by Congress that include the Inflation Reduction Act, and the Infrastructure, Investment and Jobs Act.

Meeting The 2035 Goal

GM's most ambitious goal is to become carbon neutral in its global products and operations by 2040. They also aspire to eliminate tailpipe emissions from new light-duty vehicles by 2035 and use science-based targets to track its progress.

Other goals to advance toward a zero emissions future include:

- Reducing operational energy intensity and water intensity by 35% by 2035, against a 2010 baseline

- Striving for at least 50% sustainable material content in our vehicles by 2030
- Achieving over 90% waste diversion from landfills and incineration globally by 2025

The GM Energy Strategy

GM energy solutions will have the power of Ultium technology and will introduce a network of charging stations, dedicated backup home power, and a suite of new products to help create a more resilient grid.

By the end of 2025, it will introduce more than 30 all-electric models globally and make 40% of its U.S. models battery-electric vehicles, as well as invest \$35 billion in electric and autonomous vehicles in the next five years.

It will source 100% renewable energy to power its U.S. facilities by 2025, and its global sites by 2035.

GM will expand electrification to reach far beyond automotive applications, and has invested in opportunities including aerospace and aftermarket, which extends its zero emissions mission beyond its own products and services, to include aerospace, rail, marine, fleet, and aftermarket.

Site reference:

- [General Motors - Electrification](#)