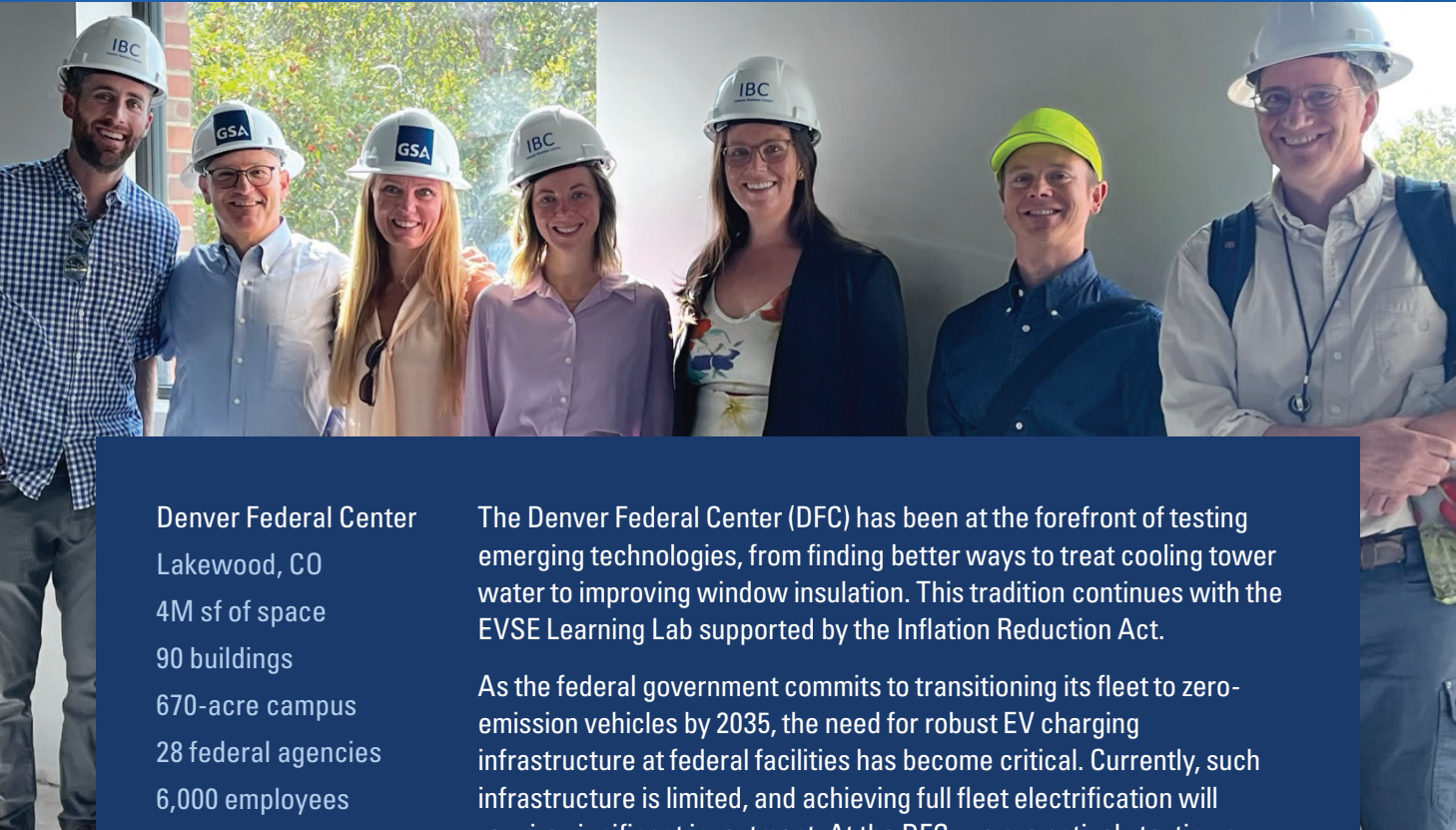# ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE)
Optimizing EV charging

Denver Federal Center

Lakewood, CO

4M sf of space

90 buildings

670-acre campus

28 federal agencies

6,000 employees

The Denver Federal Center (DFC) has been at the forefront of testing emerging technologies, from finding better ways to treat cooling tower water to improving window insulation. This tradition continues with the EVSE Learning Lab supported by the Inflation Reduction Act.

As the federal government commits to transitioning its fleet to zero-emission vehicles by 2035, the need for robust EV charging infrastructure at federal facilities has become critical. Currently, such infrastructure is limited, and achieving full fleet electrification will require significant investment. At the DFC, we are actively testing a range of technologies to support and accelerate this transition.

GPG Technologies Piloted at the EVSE Learning Lab

ONGOING EVALUATION

Level 2 Chargers with Charge Management Provided by Loop

- Optimizes fleet charging with faster charging times, reduced installation costs and real-time demand response
- 2.5x faster than standard level-2 chargers
- Maximize vehicle turnover

ONGOING EVALUATION

Bi-Directional EV Charging Provided by Fermata Energy

- Turns EVs into energy storage assets
- Increases resilience by using EVs to power building loads or send energy back to the grid
- Reduces electricity costs with demand charge management

ONGOING EVALUATION

Renewable, Transportable EV Charging Station Provided by Beam Global

- Reduces EVSE infrastructure costs and can be easily moved to match fleet needs
- No required construction permitting, associated trenching, switch gear upgrades, or interconnection agreements
- Can be independent or grid-tied