The Benefits of Electric Vehicles for Local Governments
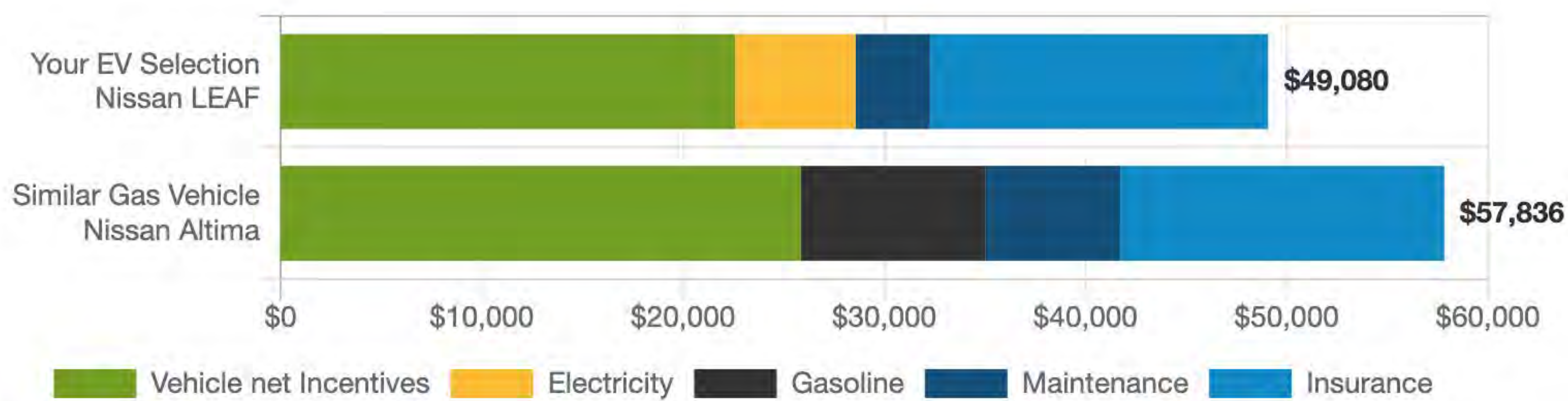
SWEEP
SOUTHWEST ENERGY EFFICIENCY PROJECT

EVs save fleets money and support the local economy.

Switching to EVs is a great way for local governments to save money on fleet operations, provide workplace EV charging for their employees, and reach their carbon goals.

- **EVs are cheaper to fuel and maintain**: EV drivers pay the equivalent of $1 per gallon to recharge their vehicles. Fewer moving parts means lower annual maintenance costs and no oil changes.

- Example: The **City of Sacramento** has 80 EVs in their fleet, which cost 6 cents per mile for both fuel and maintenance, compared with 24 cents per mile for their gas-powered light duty vehicles.

- **EVs have a lower total cost of ownership than gasoline vehicles** and the higher upfront cost is quickly offset by their lower fuel and maintenance costs. Source:: **PG&E EV Cost Calculator**

The Nissan LEAF is **$8,755** cheaper to own over 10 years

- **Stimulate the Colorado economy and create local jobs** in engineering, construction and electrical work, while also supporting the growing number of **EV manufacturing companies in Colorado**.

- **Give your employees access to EV charging stations and allow them to recharge their EVs at work.**

Electric Vehicles (EVs) Reduce Air Pollution

- **Transportation is the #1 source of climate-changing pollution** in Colorado, and one of the largest contributors of **local air pollution** like ground-level Ozone (smog), which gets in our lungs and causes respiratory illnesses.

- **EVs have zero tailpipe emissions** and transportation electrification is a key strategy to improving local air quality and public health, and addressing the climate crisis.

Colorado Governments Are Leading the Way in Fleet Electrification

SWEEP
SOUTHWEST ENERGY
EFFICIENCY PROJECT

Fleet electrification is a great way for cities to save money, achieve their climate goals, and lead by example in their communities. The City and County of Denver, Boulder County, and the City of Fort Collins are all leading the State's charge towards electric fleets.

Denver

Denver's fleet currently has 150 EVs with over 60 Level 2 charging ports to help support these vehicles. Denver is on track to reach their **goal** of 200 EVs in the fleet by the end of 2020 and 850 EVs, or 25% of the total fleet, by 2029.

Boulder County

Boulder County was the first municipality in Colorado to join the **GoEV City & County** campaign and adopt a **GoEV Resolution** – a pledge to electrify 100% of the vehicles in their community. For their fleet, 100% of new sedan purchases will be electric starting in 2020, 100% of SUV purchases by 2025, and 100% of pick-up purchases by 2030. Currently, the Boulder County fleet has 12 EVs and estimated a 50% cost reduction in operational expenses since switching to electric.

Fort Collins

The City of Fort Collins was named the #1 Green Fleet in America in 2020 by Government Fleet. With 35 EVs in the fleet, the City is making strong moves to reach the goals outlined in their EV Readiness Roadmap. Fort Collins will continue to increase the number of EVs in the City fleet by making **100% of light-duty vehicle purchases electric by 2025**. The City also plans to purchase 5 battery electric buses for their transit fleet.

As of August 2020, there are **over 260 Municipal Fleet EVs in Colorado** including electric sedans, SUVs, and minivans.

These models include **4 different fully electric vehicles and 7 different plug-in hybrid (PHEV) vehicles.**

Government	# of Fleet EVs
Aspen	10
Aurora	23
City of Boulder	23
Boulder County	12
Carbondale	1
Denver	150
Town of Erie	1
Fort Collins	35
Lakewood	1
Longmont	5
Total	**261**

In 2020, the City of Boulder began adding **electric SUVs t**o their fleet.

What Can my Government Do to Support Transportation Electrification?

SWEEP
SOUTHWEST ENERGY EFFICIENCY PROJECT

Apply for Charge Ahead Colorado Grants for EVs & EV Charging

The **Charge Ahead Colorado** program will fund 80% of the incremental cost differential between an EV and the comparable gasoline vehicle up to $8,260. This funding is directed toward organizations that are excluded from the state and federal EV tax credits, and is only available for leased vehicles. The program will also fund up to 80% of the cost of Level 2 or DC fast-charging stations.

Join the Climate Mayors EV Purchasing Collaborative

The **Climate Mayors EV Purchasing Collaborative** created a bulk EV procurement program for governments to lower the upfront cost of fleet EV purchases. Currently, there are over 150 local governments committed to fleet electrification through the EV purchasing collaborative.

Install Workplace EV Charging for your Employees

According to the U.S. DOE, employees are 20x more likely to drive an EV if their workplace offers EV charging and participates in programs like **Colorado's EV Wired Workplace program.** Colorado's EV Wired Workplace program. Similar to company health & well-being and transit pass programs, EV charging is an employee benefit that can help attract and retain talent of an increasingly environmentally-conscious workforce.

4. Work with Xcel Energy to Build EV Charging Stations and Electrify your Fleet.

To ensure continued EV adoption, we need to build more charging stations. Luckily, Xcel Energy is offering new programs to accelerate transportation electrification and deploy more EV chargers for governments in their territory.

- **Xcel Energy's TEP** includes a 3 year, $102 million investment in EV charging infrastructure, fleet advisory services, and consumer EV education efforts.
- Over half of the total investment will be allocated for commercial transportation electrification programs including:
  - $48 million for EV charging infrastructure for fleet and workplace charging.
  - $27 million for EV charging infrastructure at single and multi-family residences.
  - $2.5 million for Fleet Advisory Services includes a fleet assessment for vehicle electrification.
  - Over $12 million for EV charging infrastructure and electric mobility services in low-income communities.

How can my government support Xcel Energy's TEP?

- **Submit a public comment** at the **PUC website.**

- **Fill out Xcel Energy's Fleet Electrification Form.**

- **Take advantage of Xcel Energy's EV pilot projects** and apply for charger funding through Xcel Energy's **EV Supply Infrastructure Pilot.**