



Net Zero Plan Next Steps FY 2026-2035

**CITY COMMISSION CONFERENCE MEETING
June 17, 2025**



Net Zero Presentation Objectives

Communication
5-Year Roadmap

Transparency

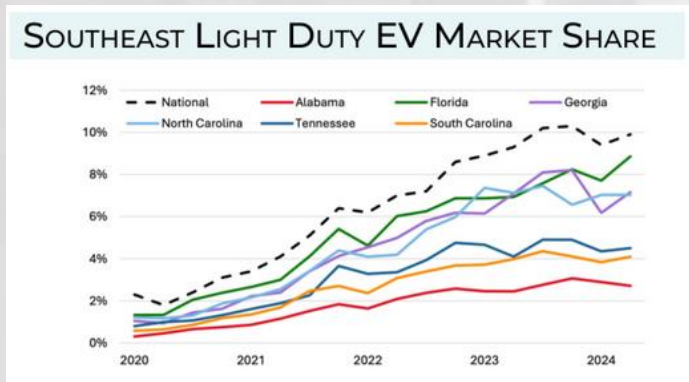
Collaboration



Why Cutting Carbon Is Critical to Achieve Net Zero: Higher Bills, Extreme Weather & Infrastructure Gaps

LOCAL NEWS
Study warns of increased flooding in Broward due to rising seas, stronger storms

[Source: CBS News](#)



[Source: Atlas Ev Hub](#)

FPL FILES DETAILS OF NEW RATE

Estimated FPL bills under rate proposal
(for 1,000-kWh residential customer)

Region	Current	2026	2027	2028	2029
Peninsular Florida	\$134.14	\$142.37	\$148.29	\$149.93	\$151.99
Northwest Florida	\$143.60	\$147.10			

Estimates include base rates proposed to the Florida Public Service Commission (PSC), as well as projections for fuel and other costs, which are approved annually by the PSC. Beginning in 2027, FPL customers in peninsular and Northwest Florida will pay the same rates.

[Source: FPL](#)

How Is Florida Handling Its Growing Population?

The growth of Florida's population represents a significant demographic shift, reshaping the state's environment and putting pressure on its resources.

[Source: University of Tampa](#)



32 Net Zero Initiatives Currently Underway

Energy Efficiency & Solar

- **NZP #2:** Streamlined Solar Permitting – Achieved SolSmart Gold designation
- **NZP #3 & 5:** Home Rehabilitation Support – Funded by CDBG & SHIP
- **NZP:9** Promote renewable energy financial incentives (SELF)
- **NZP #51:** Energy Efficiency in Government Buildings – 6.69% electricity use reduction (2010–2019) through retrofits and performance contracting
- **NZP #52:** Expanding Solar Access – \$227k in projects at Warfield Park & Fleet Fenceline
- **NZP #49:** Streetlight Conversion – Transition to energy-efficient LED lighting
- **NZP #51:** Participation in the Better Building Challenge

*Net Zero Plan Action (NZP)

Community Waste Management

- **NZP #23-25:** TAKE5 Recycling Program & collaborating with the Broward Solid Waste Authority (SWA).
- **NZP #27:** Safe Disposal Events – Household hazardous waste drop-off
- **NZP #27:** E-Waste Collection – Curbside electronics recycling
- **NZP #27:** Yard Waste Recycling – Processed at C&D Facility in Davie

Urban Forest & Parks

- **NZP #2:** Green Stormwater Solutions – Investments in River Oaks Stormwater Preserve
- **NZP #28:** Florida-friendly landscaping principles
- **NZP #29:** Smart Water Meter Program (AMI)
- **NZP #31:** Parks Bond – Enhancing and expanding 90+ community parks

Transportation

- **NZP #12- 15:** Smart Growth & Mobility – FTA grant to promote walkable, connected communities
- **NZP #12:** LauderGO! Shuttle – Free community transportation service
- **NZP #18 & #47:** EV Infrastructure Expansion – \$650k for public & fleet charging stations
- **NZP #45:** Fleet Efficiency – Implemented vehicle idling policy and procured fuel-efficient vehicles
- **NZP #21:** Sustainable Aviation Fuels – Ongoing efforts for Sustainable Aviation Fuels
- **NZP #37 & 39:** Fleet vehicle Idling Policy
- **NZP #40:** Virtual/digital monitoring of parking enforcement
- **NZP #41:** flexible work hours for City employees

Sustainability Administration

- **NZP #32-34:** Sustainability division working on reporting progress and identifying funding streams to support Net Zero efforts.





CITY OF
FORT
LAUDERDALE

Proposed Community - Focused Actions

Community Energy Strategic Plan

Type of Action

Developing a strategic plan to guide the transition to cleaner, energy-efficient electric systems — focusing on streamlining processes, measuring outcomes, and evaluating cost and emissions reduction impacts.

Net Zero Plan Action #4



Energy-Efficient Appliances



Smart Thermostat



Induction Stove



Weatherization



Electric Heat Pump

Action: Planning for Financial Assistance Program

Priority: 1

Initial Cost to the City: \$200,000

Timeframe: 2027-2029

Performance Metric: Timely completion of strategic Plan

GHG Impact: **High**



Circuit Micro-Transit Expansion

Type of Action

Support the expansion of Circuit micro transit service in Fort Lauderdale's Northwest Service Area.

Net Zero Plan Action #12



ACTION 12 Increase multimodal infrastructure by prioritizing pedestrian, bicycle, and transit infrastructure.

Priority Level: 1	Timeframe: Short term	GHG Impact: High
--------------------------	------------------------------	-------------------------

Funding: Rebuilding American Infrastructure with Sustainability and Equity grants, Federal Transit Administration (FTA) grant programs, Congestion Mitigation and Air Quality Improvement (CMAQ) Program, Florida Department of Transportation (FDOT) grants, private sector funding e.g., P3s

City Partners: City of Fort Lauderdale Transportation and Mobility, Broward Metropolitan Planning Organization (MPO), FDOT, private transit providers, South Florida Regional Transit Authority

Initial Cost: High	Life-Cycle Cost: Medium	Additional Community Cost: Medium
ROI: Medium	LOE: High	Social Impact: High

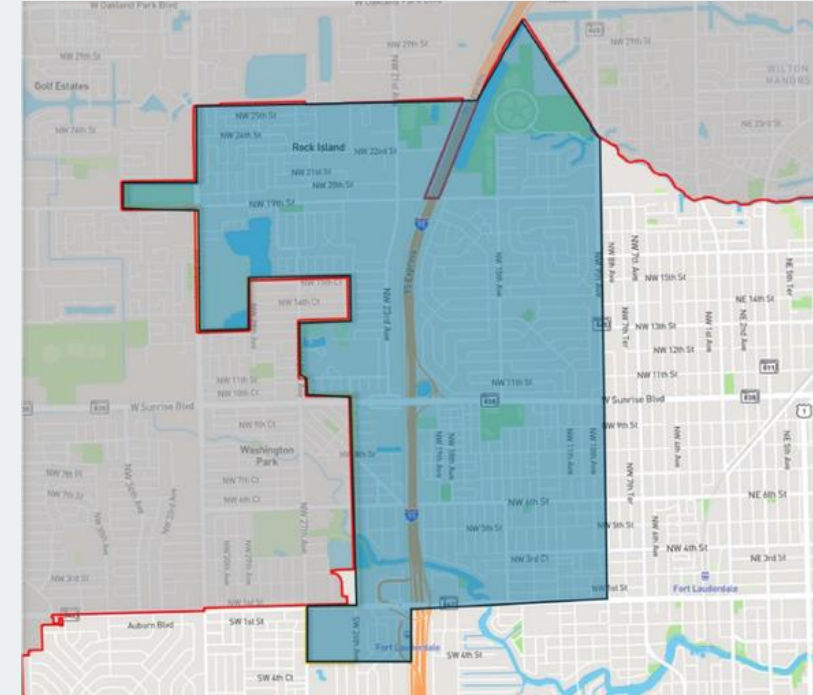
Strategic Priority Alignment: Public safety, infrastructure and resilience

Co-Benefits: Improved public health and safety, improved air quality, job creation and workforce development, reduced inequality, decreased traffic congestion

Performance Metrics: VMT per capita, percent of neighbors that use public transportation to commute, miles of bike lanes installed

Implementation:

- Install adequate pedestrian safety infrastructure, including sidewalks, signage, lighting, and shading of pedestrian corridors.
- Improve and prioritize pedestrian crossing safety and accessibility at intersections.
- Partner with developers to ensure that multimodal infrastructure is incorporated into developments near pedestrian corridors, such as sidewalks, bike lanes, bike racks, and transit stop shelters.
- Introduce active micro-transit options such as a bike-share program for last-mile accessibility.
- Assess high-traffic areas for implementation and expansion of protected bike lanes.
- Expand shuttle service options (LauderGO!, Circuit), especially in high-demand areas.
- Increase last mile options.



Action: Micro-transit Expansion Program

Priority: 1

Initial Cost to the City: \$200,000

ROI: Community/Commercial Sector

Timeframe: 2027-2028

Performance Metric: Number of rides per day/week/month

GHG Impact: High





CITY OF
FORT
LAUDERDALE

Proposed Government - Focused Actions

Solar Panel Installation at City Facilities

EVALUATION MEASURE CC 1.1.6: The City shall promote alternative sources of energy with the goal of sourcing **20%** of electricity from renewable energy by **2030**.

Type of Action

Funding for design and installation of renewable energy systems helping the City transition to clean energy while lowering utility costs, with a goal of projects at two sites per year.

Net Zero Plan Action #52

Projected sites

Fire Station 3, 8, 47, 49 & 53
Riverland Park Rec & Holiday Park
Gymnasium, Carter Park, Osswald
Park

Estimated Project Cost

Year 1	\$100k
Year 2	\$100k
Year 3	\$100k
Year 4	\$100k
Year 5	\$100k



Assuming 3% utility
rate increase

Action: Renewable Energy
Program

Priority: 2

Initial Cost to the City: \$100k/year

ROI: Varies by project

Timeframe: 2026-2031

Performance Metric: Yearly cost of
energy per facility

GHG Impact: High



EV Fleet Policy

Type of Action: Commit to convert **100%** of non-emergency light-duty vehicles to electric by 2035

Net Zero Plan Action #42, 44, 45

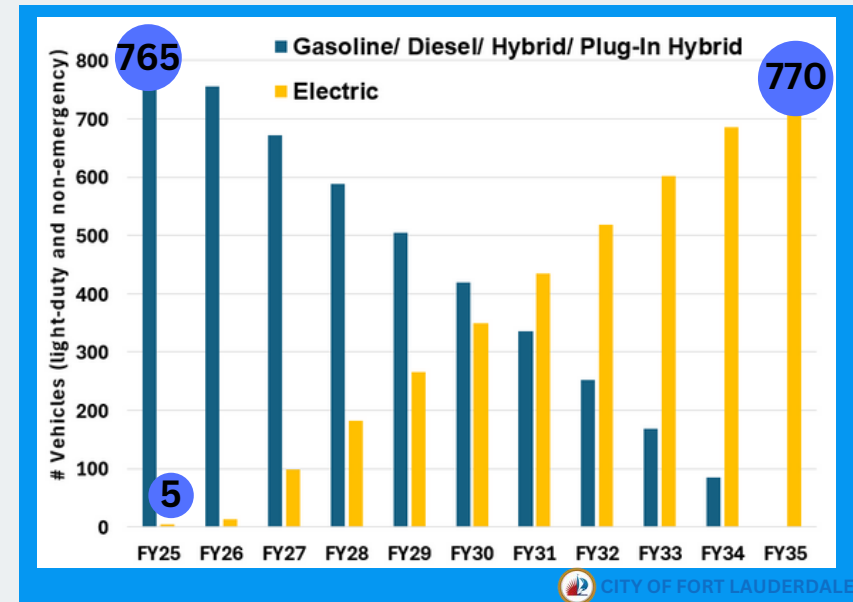
Light-Duty Breakdown

Department	Diesel	Electric	Gas	Hybrid	Plug-In Hybrid	Total	% Green	% EV
DSD			42	63	1	106	60%	0%
FXE	1	1	1	1		4	50%	25%
TAM			17	15		32	47%	0%
Public Works	7	4	105	14		130	14%	3%
ITS			6			6	0%	0%
Police	1		270	23		294	8%	0%
Fire			56	5		61	8%	0%
Parks			132	4		136	3%	0%
HR			1			1	0%	0%
Grand Total	9	5	630	125	1	770	17%	1%



- * Excludes marked Police & Fire vehicles
- * 15 EV chargers installed; 17 more by year end.

EV Replacement Schedule



- * Average light-duty replacement life - 7 years
- * If all new vehicle purchases are EVs by FY27 - we will meet the 2035 goal.
- * 4:1 vehicle-to-charger ratio, need 126 additional EV charging stations.

Action: Policy Planning

ROI: 143%

Priority: 1

Incremental FY Cost: -\$315,474 (cost savings)

Total Cost Savings: \$4M

Timeframe: 2026-2035

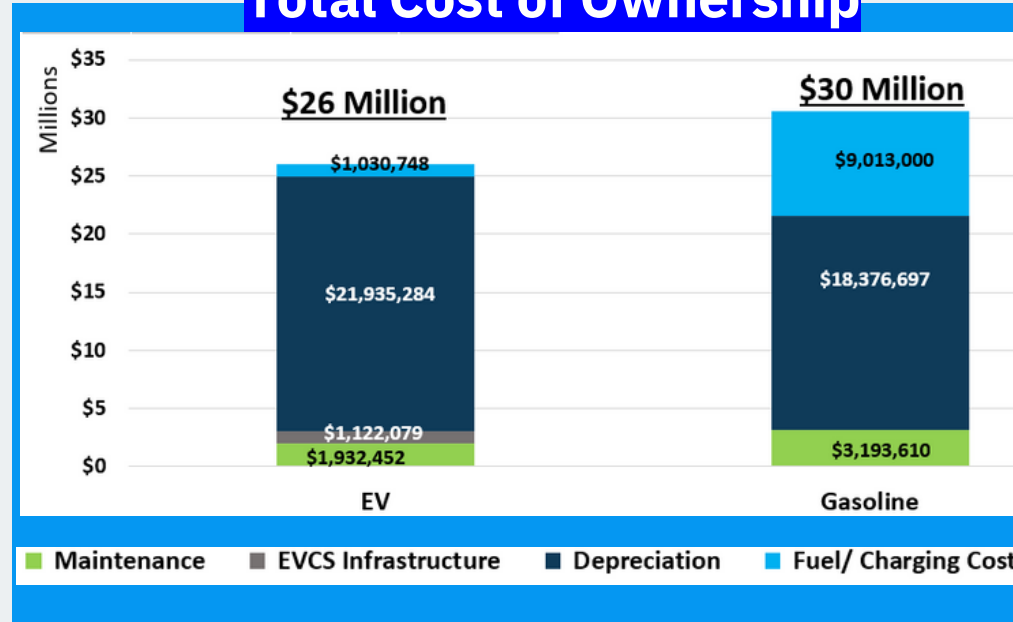
Performance Metric: EV as a percent of municipal fleet

GHG Impact: Medium



EV Fleet Policy

Total Cost of Ownership



* (EVCS) Electric Vehicle Charging Station

* Vehicle depreciation is the purchase price minus the resale value over 7 yrs.



Savings

-73% reduced fuel cost

~ cost savings analysis accounts for EV charging costs and infrastructure-related expenses

-39% reduced maintenance cost

Action: Policy Planning **Incremental FY Cost:** -\$315,474 (cost savings)

ROI: 143%

Total Cost Savings: \$4M

Priority: 1

Timeframe: 2026-2035

Performance Metric: EV as a percent of municipal fleet

GHG Impact: Medium



22 Medium- and Long-Term Net Zero Initiatives

Energy Efficiency & Solar

- **NZP #6:** Create a Fort Lauderdale sustainable tourism program.
- **NZP #8:** Support FPL efforts to decarbonize by 2045.
- **NZP #9:** Participate in FPL SolarTogether® program.
- **NZP # 10:** Encourage, support, and expand private and community solar installations.
- **NZP #11:** Encourage use of tankless/solar water heater program to support low-income housing and reduce the cost of electricity/gas to heat water.
- **NZP #48:** Update energy reduction targets for existing municipal facilities.
- **NZP # 50:** Require all new buildings to be built to zero net energy standards starting in 2030. Retrofit existing municipal buildings to be all-electric and net zero energy by 2040.
- **NZP # 53:** Develop Citywide plan for renewable energy installations
- **NZP # 54:** Advocate for incorporation of renewable energy-related policies and programs in state and federal infrastructure funding programs

Community Waste Management

- **NZP #22:** Create and operationalize a community-wide food rescue plan in collaboration with local nonprofits, supermarkets, and restaurants.
- **NZP # 26:** Address the reduction and management of construction and demolition waste.
- **NZP #27:** Introduce innovative programs and technology for managing irregular waste streams.
- **NZP #55:** Consider a zero-waste target for City operations.

Urban Forest & Parks

- **NZP #30:** Implement targeted Tree Planting – UFMP initiatives to expand canopy in low-coverage areas

Water & Wastewater Treatment

- **NZP #36:** Prioritize energy efficiency and the integration of renewable energy at water and wastewater facilities.

Transportation

- **NZP #16:** Partner with Broward County to install idle sensors in traffic signals and synchronize traffic signals to reduce idling and wait time.
- **NZP #17:** Establish car-free zones.
- **NZP #20:** Support the conversion of public transit to electric fleet in alignment with 2030 Broward County fleet electrification goals.
- **NZP #38:** Incentivize public transit and alternative transportation (bike/walk) for employees.
- **NZP #43:** Develop policies to address at-home charging for take-home EVs, working with police, fire, and unions.
- **NZP #46:** Electrify City off-road equipment

Sustainability Administration

- **NZP #35:** Support green workforce development.



City Commission to adopt the proposed Net Zero Plan by resolution

*Endorsed by the Sustainability Advisory Board

The proposed Net Zero Plan addresses the critical need to mitigate the impacts and challenges that Fort Lauderdale has experienced firsthand through significant climate impacts in recent years. Additionally, the Plan supports the City’s existing goals to achieve net zero greenhouse gas (GHG) emissions for government operations by 2040 and community-wide by 2050. The Plan is consistent with the City’s Comprehensive Plan, Press Play Fort Lauderdale and Fast Forward Fort Lauderdale 2029 Strategic Plan.





This is Fort Lauderdale's
TIME TO LEAD.

Thank you!
Questions?

