

Infrastructure & Energy

There is a significant opportunity to reduce energy waste and increase efficiency city-wide. Coupled with strategic infrastructure investments, strategies listed in the infrastructure and energy focus area can lead to a smart, resilient, and innovative city. Titusville's transition to clean, renewable, and energy-efficient resources will help minimize environmental impacts and progress towards reducing Greenhouse Gas (GHG) emissions in the coming years and decades. The transition to cleaner energy will have additional economic benefits and job creation to keep the city up to speed with regional, state, and national goals and policies.

Infrastructure improvements will contribute to Titusville's goal of reducing Greenhouse Gas Emissions. By committing to reducing the amount of waste headed to landfills, the city will not only reduce emissions but also reduce the demand for virgin resources and promote a circular economy. Achieving waste reduction goals will require a shift in perception and lifestyles. However, it presents opportunities to be innovative and build a stronger community.

Implementing smart technology and multimodal transportation solutions will further enhance the sustainability and resiliency of the community. Together they will move people and goods more efficiently, reduce traffic congestion and associated air pollution.





Infrastructure and Energy

The support of policies, practices, and projects which limit energy consumption and improves the provision of services and infrastructure within Titusville

Goal 3: Reduce energy consumption and transition to clean energy

Objective 3.1: Reduce Greenhouse Gas (GHG) Emissions

3.1.1	Develop a plan for increasing the green municipal fleet including EV, Hybrid, and Fuel-Efficient vehicles.
3.1.2	Report GHG emissions for municipal operations and community-wide at minimum every 5 years.
3.1.3	Study pathways to achieve net zero GHG by 2050.
3.1.4	Engage local businesses and industries to reduce GHG emissions through outreach, education, and advisory services.

Objective 3.2: Reduce Energy Consumption

3.2.1	Collect and report annual, city-wide energy consumption.
3.2.2	Study current municipal energy consumption and implement energy efficiency practices.
3.2.3	Implement building code provisions that support energy efficiency improvements, renewable energy, and EV readiness.
3.2.4	Develop an educational campaign to reduce household energy consumption.

Objective 3.3: Make progress towards obtaining electricity from renewable energy sources

3.3.1	Develop a renewable energy study for municipal operations.
3.3.2	Install a municipal solar and battery storage demonstration project.
3.3.3	Develop incentives to increase renewable energy installations for new projects and retrofits.
3.3.4	Determine viability of renewable energy installations for all municipal facilities.
3.3.5	Partner with Florida Power and Light on opportunities to expand and promote renewable energy for residential and commercial use.
3.3.6	Prioritize future EV charging stations based at City facilities are powered by renewable energy through the use of battery storage systems.



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Goal 4 Continue to improve and adopt innovative infrastructure to improve quality of life

Objective 4.1: Achieve a 75% diversion rate from recycling, composting, reducing consumption, and reusing materials

4.1.1	Develop and implement a Sustainable Waste Management Plan.
4.1.2	Study feasibility of implementing a Commercial Food Waste Collection Program.
4.1.3	Establish construction & demolition (C&D) recycling standards to serve as a guideline to divert recoverable materials and products from landfills.
4.1.4	Implement a residential backyard composter program.
4.1.5	Explore the long-term opportunity for a Materials Recovery Facility in Titusville.

Objective 4.2: Reduce Citywide Vehicle Miles Traveled (VMT) through multimodal transportation Planning

4.2.1	Adopt a Complete Street program to formalize the City's intent to plan, design, and maintain streets for users of all ages and abilities.
4.2.2	Research viability of micromobility options including car-sharing and bicycle rentals.
4.2.3	Implement Mobility Plan to install and maintain bicycle and pedestrian infrastructure city-wide.
4.2.4	Educate and encourage residential, municipal, and commercial carpooling initiatives.
4.2.5	Prioritize funding for alternative transportation over capacity improvements for vehicles.

Objective 4.3: Develop a Smart Cities Initiative to Boost Urban Innovation

4.3.1	Develop a strategic EV charging network throughout the City and adopt an EV readiness ordinance.
4.3.2	Deploy smart technology solutions at appropriate locations throughout the City including, smart solar-powered trash compactors, air quality sensors, smart irrigation systems, and smart streetlights.
4.3.3	Partner with the Space Coast TPO on the implementation of the regional Intelligent Transportation System Master Plan and other smart technology

Targets

- 3.1 : Incrementally reduce GHG emissions and set an achievable timeline to reach a GHG emission goal.
- 3.2 : Incrementally reduce energy consumption and set an achievable timeline to reach energy consumption goals.
- 3.3 : Determine a goal and timeline to have a certain percent of city operations on renewable energy.
- 4.1 Make considerable progress towards a 75% diversion rate from landfill use.
- 4.2 Make considerable progress towards reducing the number of vehicles per household by the next census count.

