

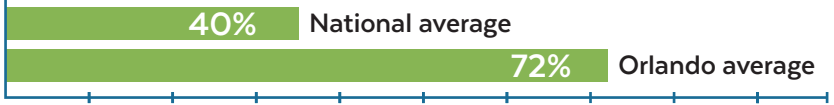


Green Works Orlando
MAYOR DYER'S GREEN INITIATIVE

CITY OF ORLANDO'S BUILDING ENERGY AND WATER EFFICIENCY STRATEGY

The City of Orlando's Building Energy and Water Efficiency Strategy is a policy that will focus on tracking the energy and water efficiency of our largest multi-family and commercial buildings. With Orlando growing at a rate close to 2% each year, it's critical that we develop policies that will serve and support our city for generations to come. Our largest buildings use more than half of our city-wide energy and water resources, and are the single largest contributor to air pollution. By driving efficiency in these spaces, we can diversify the local economy and create high-wage jobs, save businesses and residents money on utility bills and foster a cleaner and healthier environment.

BUILDING ENERGY CONSUMPTION AVERAGE



THE FOUR ELEMENTS OF OPTIMIZING BUILDING PERFORMANCE



BENCHMARKING
Measuring building energy and water efficiency. Building owners track and report their energy and water usage annually in the ENERGY STAR Portfolio Manager, a free online tool.



TRANSPARENCY*
Track use trends to drive improvements in building efficiency. Building owners share energy and water use data with the City utilizing the ENERGY STAR Portfolio Manager system.



BUILDING AUDIT OR RETRO-COMMISSIONING
Identify and quantify opportunities to reduce energy and water use. Building owners in lower performing buildings submit a summary report that certifies an audit or retro-commissioning was completed.



FINANCING
Enabling tools that off-set costs for voluntary improvements. Building owners have a variety of options, from PACE financing to utility incentives and rebates, to alleviate upfront costs for upgrades.

*There will not be a requirement for a minimum score, and the City is not proposing that capital improvements be made to the covered building stock.

BETWEEN 2015 AND 2030, THIS POLICY WILL:

SAVE MONEY AND IMPROVE COMFORT

This policy will save an estimated **\$208 million** in energy costs over the next 15 years. Enhancements to building energy efficiency will also result in improved comfort and productivity at home and in the workplace.

INCREASE ECONOMIC DEVELOPMENT AND JOB CREATION

Improvements to energy efficiency spurs economic investment through reduced operating costs, increased asset values and improved worker productivity. In addition to benefitting existing positions, this policy will drive the creation of **more than 500 local high-wage jobs**.

IMPROVE AIR QUALITY AND PUBLIC HEALTH

When local buildings are more energy efficient, they consume less power, resulting in fewer emissions from power plants. With this improved air quality, we can expect **\$64 million** in reduced health care costs city-wide.

REDUCE WATER SUPPLY CONSTRAINTS

Electric power generation is the largest user of water, so reducing energy demand has a strong effect on preserving our limited water supply. As we face a significant impending water scarcity issue, building energy efficiency will conserve a critical **900 million gallons** of fresh water.



In 2015, the City of Orlando made an \$18 million energy efficiency investment in public buildings and began benchmarking, auditing and retrofitting more than 55 municipal buildings. At completion, this project will save the City up to \$2.5 million per year in energy costs which will help to pay for the cost of the new police headquarters currently in construction. Additionally, public transparency for all municipal buildings over 10,000 sqft will begin in fall 2016.



BUILDING ENERGY AND WATER EFFICIENCY STRATEGY

Through the Green Works Orlando Community Action Plan and City Energy Project, we are improving the energy and water efficiency of our buildings, creating a healthier and more prosperous city.

The community action plan recommended to implement the Building Energy and Water Efficiency Strategy (BEWES), a suite of proven policies and programs focused on providing users with energy and water use data through benchmarking, audits and retro-commissioning.

This data helps to implement strategies that cut energy and water waste, boost the local economy, create high-wage jobs and reduce harmful pollution. We are also focused on enabling Property Assessed Clean Energy (PACE) financing to offset the upfront and ongoing cost to improve a building's performance.

This building energy and water efficiency strategy will harness market forces to save energy and drive investment in Orlando's buildings, putting us on track to make Orlando one of the most sustainable cities in America.



IMPACT OF THE CITY ENERGY PROJECT BY 2030



\$208M
in **ENERGY SAVINGS.**

2B **KILOWATT-HOURS**
of energy consumption avoided.

\$64M
saved in **HEALTH CARE COSTS**
due to improved air quality.



561
NEW JOBS
will be created.



59B
GALLONS of Florida's
watersheds saved.



900M
GALLONS of water not
consumed by power plants.