

# Ready For 100 Clearwater

## Resolution from Clearwater Environmental Advisory Board



**CLEARWATER**  
BRIGHT AND BEAUTIFUL • BAY TO BEACH



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[www.myclearwater.com](http://www.myclearwater.com)

# What is Ready for 100?

- Transition to 100% Renewable, Zero-emission, Clean Energy electricity for City Operations by 2040
- Transition to 100% Renewable, Zero-emission, Clean Energy electricity Citywide by 2050

# Why Ready for 100

**Human- induced climate change is affecting life sustaining systems across the globe**

- Accelerating sea level rise
- Effecting ecosystems and human security

**Clearwater is a coastal community**

- Front lines of the environmental, economic and public health impacts
- Sea level rise, storm surge and rising temperatures

# Financial considerations

- The cost of renewable, zero-emission “clean” energy has fallen dramatically and is now cheaper than fossil fuels
- The transition to Clean Energy is an enormous economic opportunity
  - Create jobs
  - Save taxpayer money
  - Provide improved air and water quality
  - Improve public health

# Synergy with Greenprint 2.0 Goals

- Reduce the city's GHG emissions 25% below 2007 levels by 2035 and;
- Reduce the city's GHG emissions 80% below 2007 emission levels by 2050.



## Who else is doing this?

- St. Petersburg
- Dunedin
- Largo
- Safety Harbor
- Pinellas County

## Who has accomplished this (>70% renewable)?

- Burlington Vermont
- Eugene Oregon
- Seattle Washington
- Over 100 cities worldwide

# What do we need to do to get The City to 100?

## Focus on facilities

- Cenergistic and energy conservation (20% reduction)
- On-site renewable energy generation (generate 40% of current usage)
- Duke CEC (off-site solar) program (generate 40% of current usage)

# What do we need to do for the Community?

- Increase energy efficiencies and on-site solar throughout the community
  - Education and campaigns – partner with Duke
  - Financing mechanisms
    - Partner with nonprofits like Solar United Neighbors and the Solar and Energy Loan Fund
    - Create city programs/grant opportunities for efficiency programs and residential solar

Continue to work with Duke to achieve their carbon neutral by 2050 goals and advocate for 100% renewable energy utility by 2050 targets



# Estimated Municipal Financial Savings

## Municipal Solar

- City solar feasibility study pending
- Consultants are saying about \$1M over 25-30 year time frame

## Duke CEC program - enrolled

- Initial fee and credit on subscribed accounts
- Break even at year 7
- Projected total payback of \$4,688,618 after additional 25 years per Duke Energy



## Ready for 100 Goals:

- 2040 - 100% Clean Energy electricity for City Operations
- 2050 – 100% Clean Energy electricity for Citywide



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