



# SUSTAINABILITY AND THE PURSUIT OF SOLAR AND OTHER RENEWABLE ENERGY TECHNOLOGIES

**Presentation to Florida Association of  
Counties Energy Independence Workgroup**

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FAC Energy Independence Workgroup

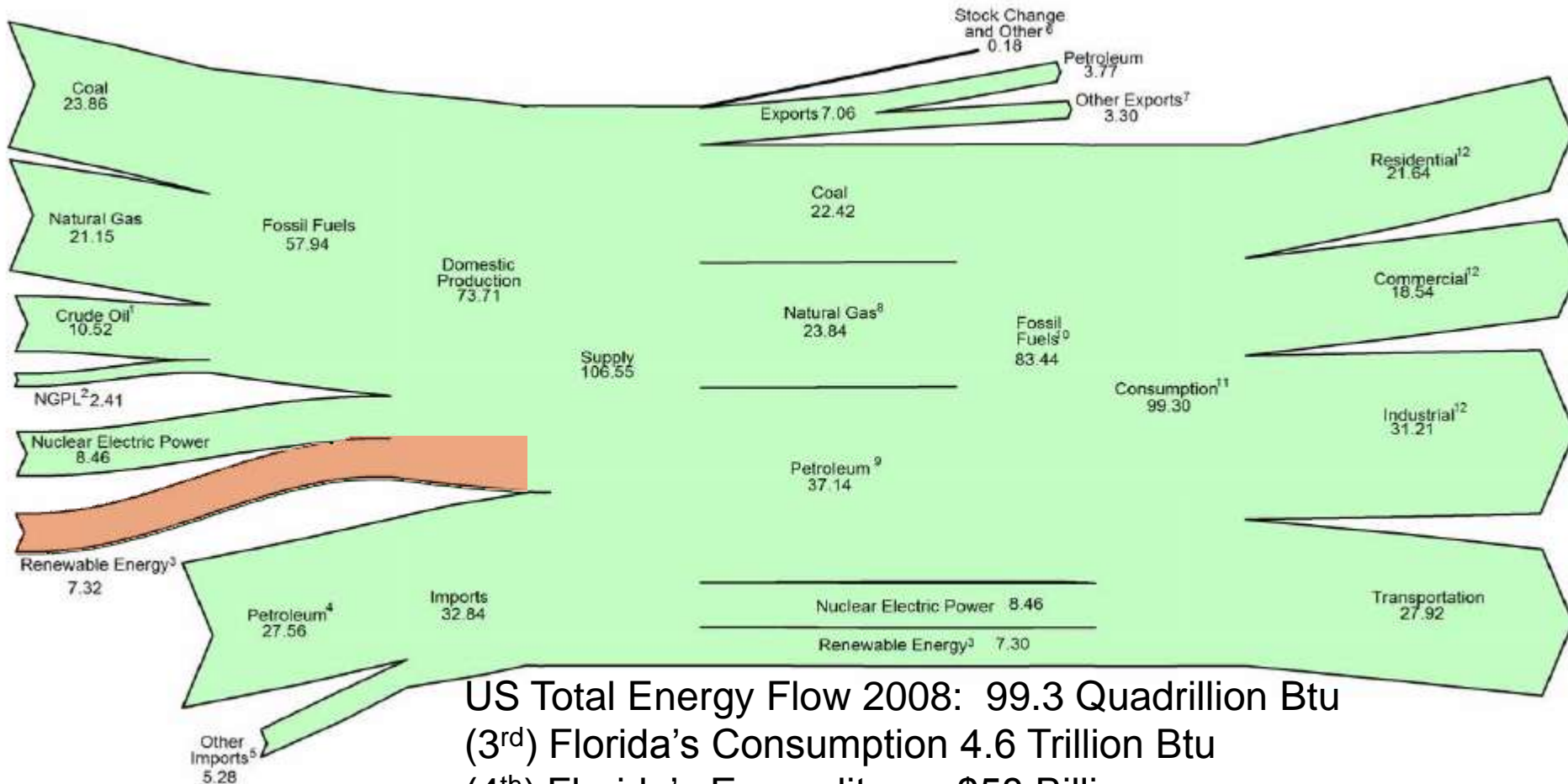
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# Why Renewable Energy?

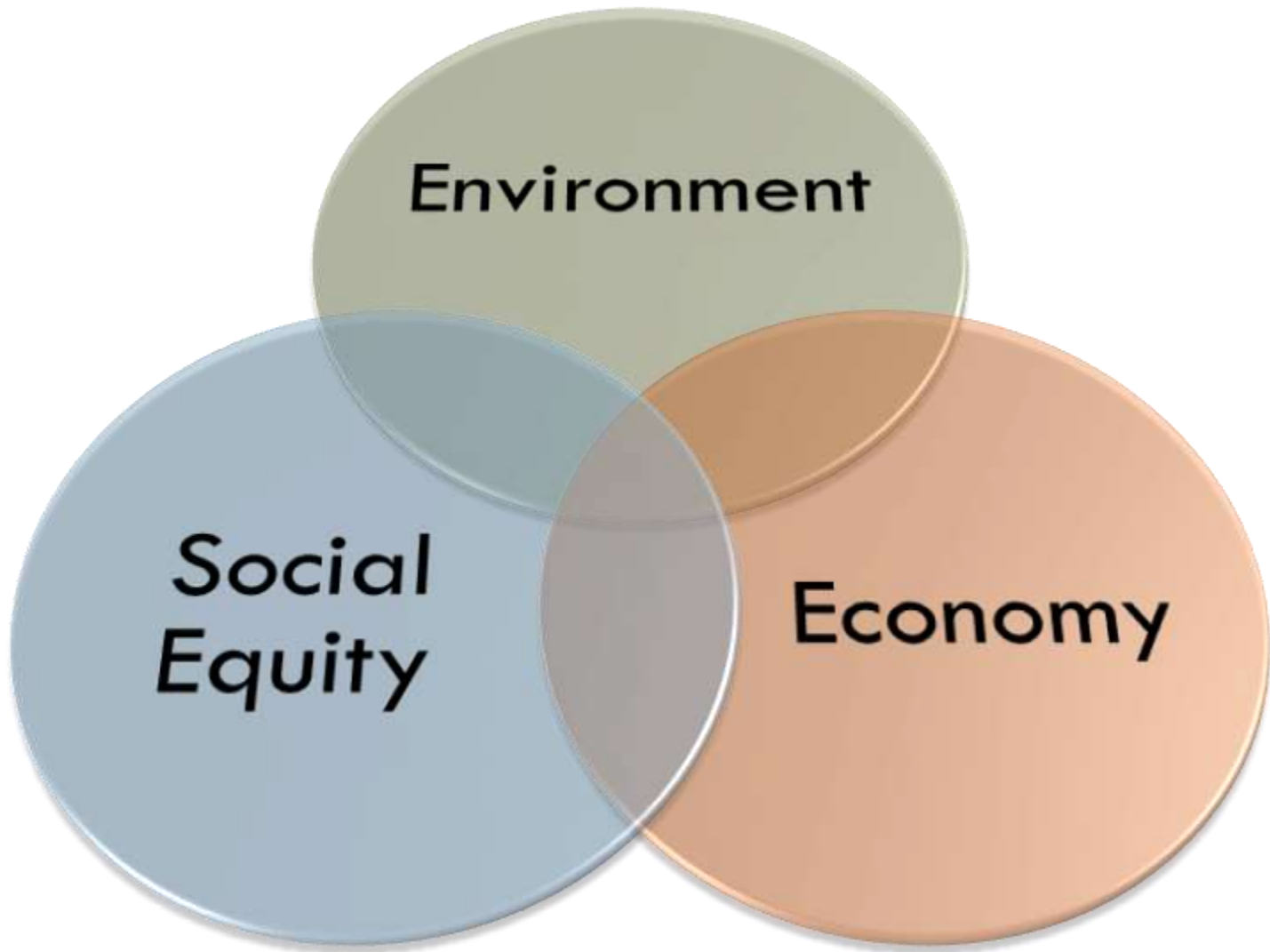
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US Total Energy Flow 2008: 99.3 Quadrillion Btu  
 (3<sup>rd</sup>) Florida's Consumption 4.6 Trillion Btu  
 (4<sup>th</sup>) Florida's Expenditures \$58 Billion

# Sustainability Defined

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# Energy Hierarchy of Deployment

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- Powering Down
- Change in Behavior



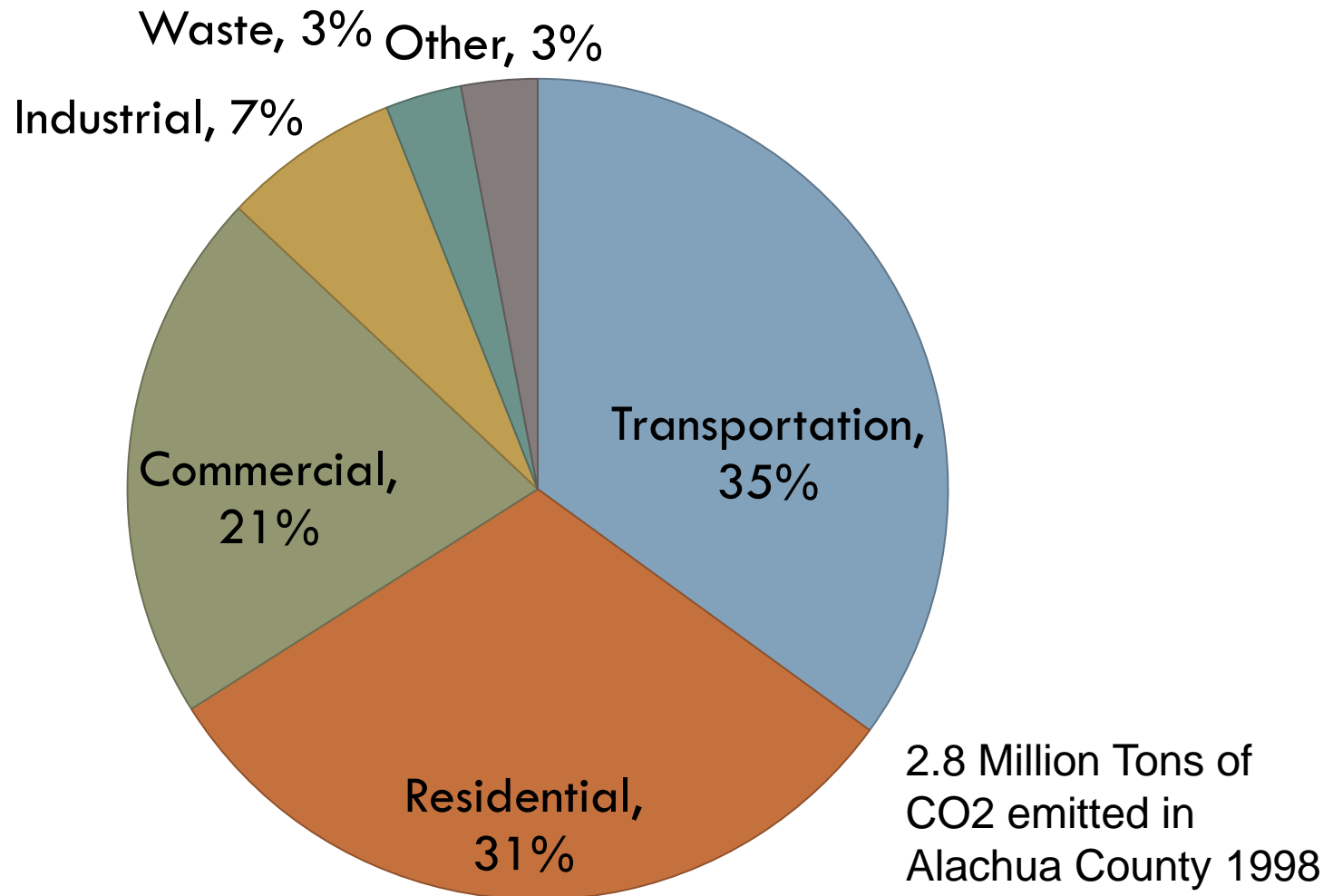
- Building Weatherization
- Mechanical Systems Upgrades



- Deployed after maximizing first two
- Solar PV

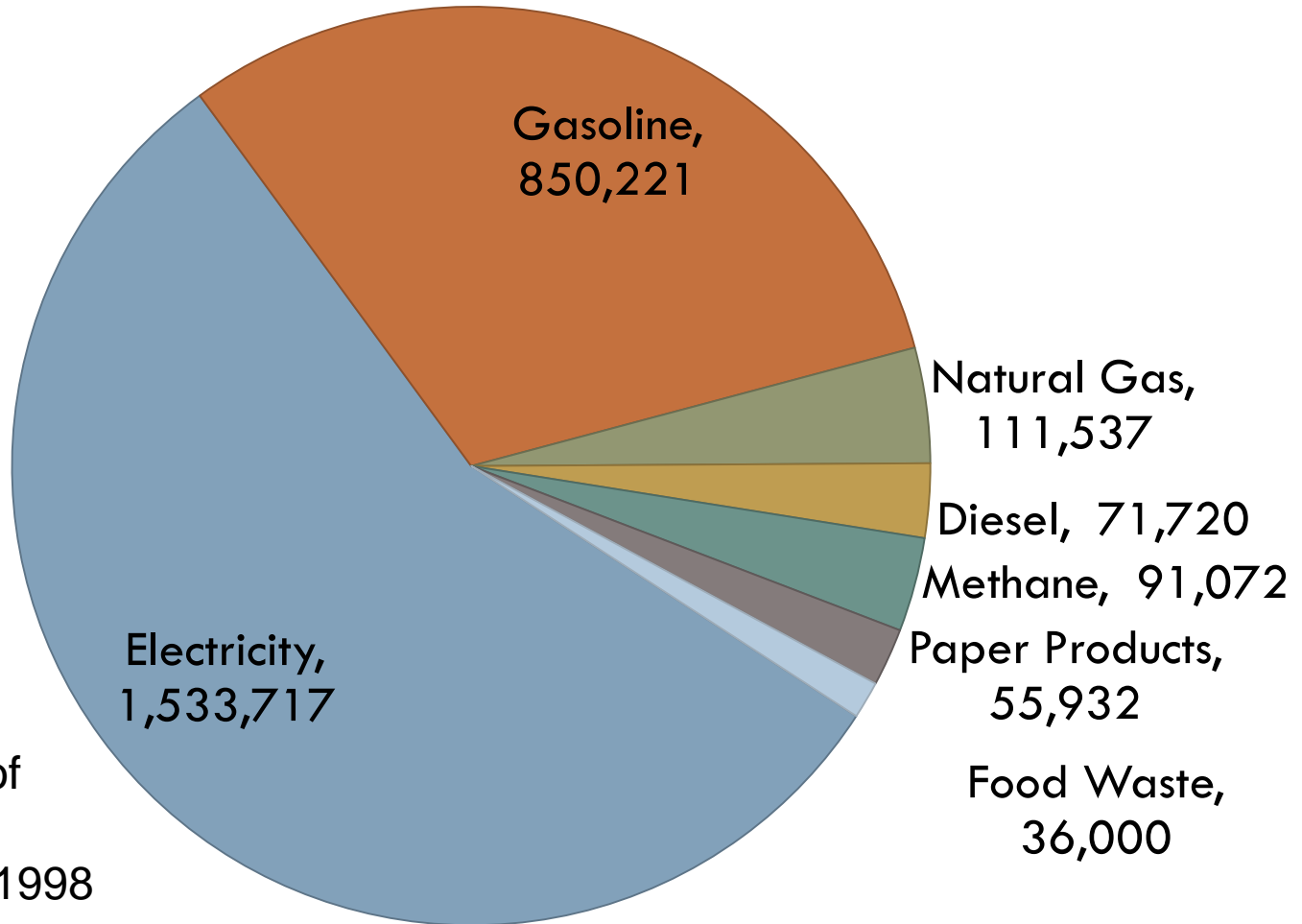
# Energy, Emissions and Land Use

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# Energy, Emissions and Land Use

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2.8 Million Tons of  
CO2 emitted in  
Alachua County 1998

# Alachua County's Solar Arrays



# Contact Information

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