

# Renewable Energy Task Force

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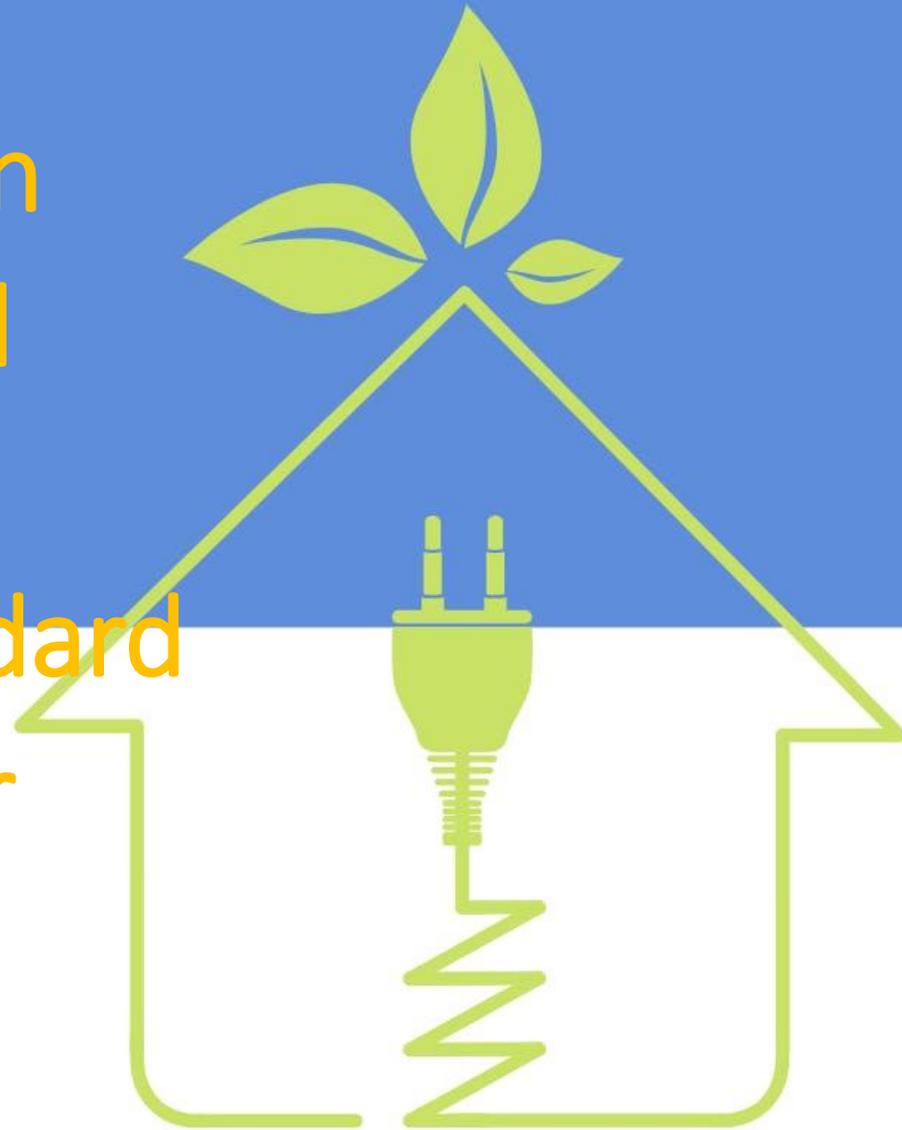
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# Proposed Energy Action Plan

City of Stillwater, Oklahoma

January 31, 2022

Prepared by the  
Renewable Energy Task Force

# Objectives of the Energy Action Plan:

Maintain clean air, water, and soil, building a community where every citizen can experience a naturally beautiful, healthy, and sustainable environment.

Create jobs and invest in clean energy sectors while enabling local businesses to be more resource efficient, profitable, and competitive.

Create more energy efficient homes and businesses, giving all residents greater financial security and flexibility.

Create programs that are equitable, fair, and just and provide equal access to all solutions for all people in the community.

Lead in energy independence and efficiency in the state of Oklahoma by developing local, equitable, and cost-effective solutions to our energy needs.

Develop a culture where efficiency is valued and waste is minimized.

Create a master marketing plan to communicate climate change effects and solutions to our community and lead this conversation.

Demonstrate the financial and social feasibility of a clean energy future through real, accurate, and transparent tracking and reporting.

# Energy Action Plan Guiding Principles

Focus on EFFICIENCY First

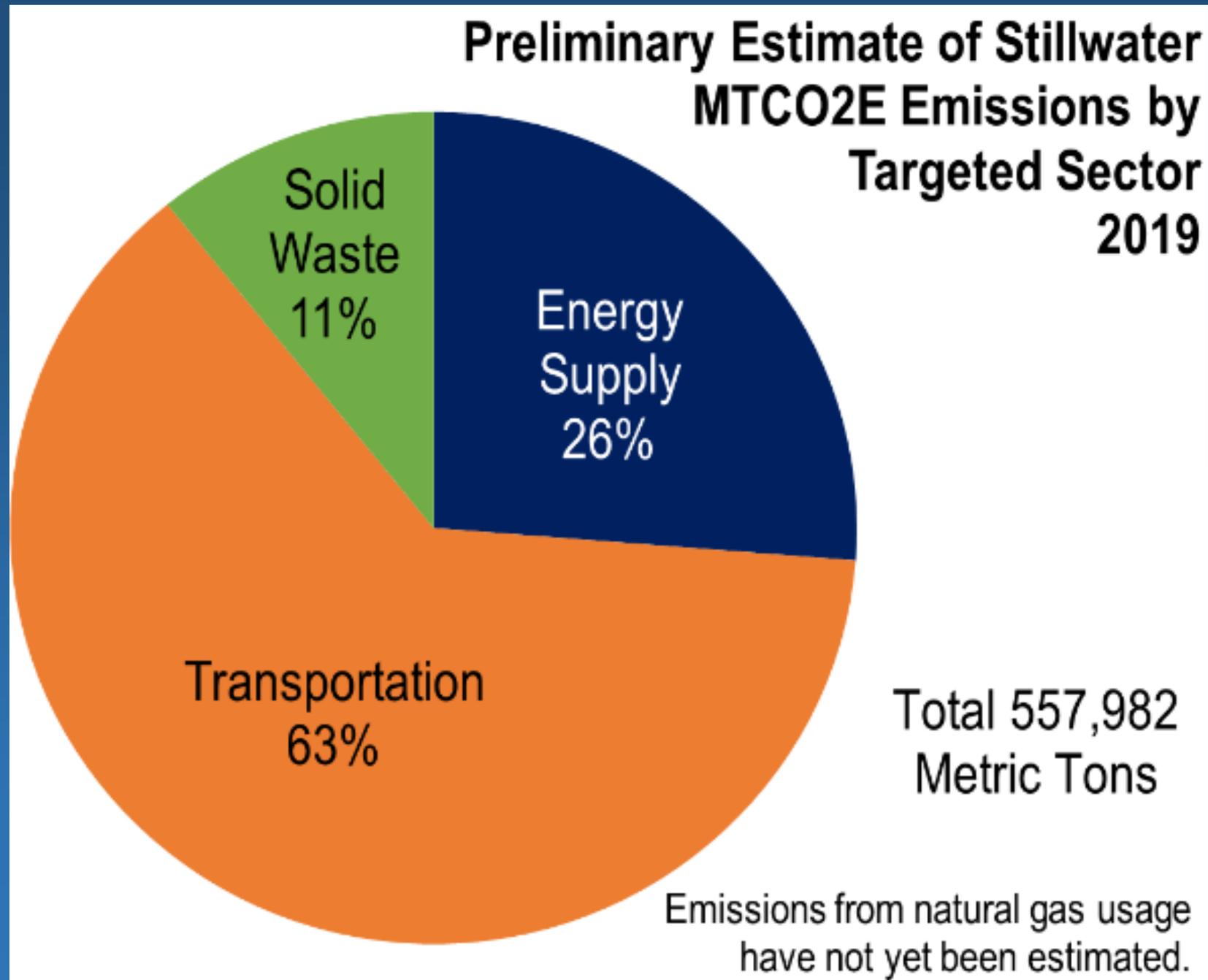
Involve DIVERSE Groups of  
Stakeholders

Prioritize EQUAL ACCESS

Incorporate COMMUNITY  
Input

Make SMART Choices

Since the City controls only a portion of the sources for these emissions, *partnering* with its residents, businesses, community and regional stakeholders will be *critical* for the plan's ultimate success.



# Recommendations:

## 1. Adopt the goals established in the Energy Action Plan

### **Goal I**

Reduce GHG from Energy Supply **30%** by 2030 & **55%** by 2050

### **Goal II**

Reduce GHG through Energy Efficiency **3%** by 2030 & **4%** by 2050

### **Goal III**

Reduce GHG from Transportation **5%** by 2030 & **75%** by 2050

### **Goal IV**

Reduce GHG from Solid Waste **16%** by 2030 & **30%** by 2050

# Recommendations:

2. Adopt the Detailed Plans by Targeted Sector defined in the Energy Action Plan and commit appropriate resources to continue efforts outlined:

## Energy Supply Sector:

- Improve Generation Mix
- Increase Community Renewable Supply

## Energy Efficiency Sector:

- Lead by example
- Promote conservation through Water/Wastewater actions
- Undertake actions to modernize
- Promote sustainable building practices
- Implement Urban Forest program actions

# Recommendations:

2. Adopt the Detailed Plans by Targeted Sector defined in the Energy Action Plan and commit appropriate resources to continue efforts outlined:

## Transportation Sector:

- Transition to carbon-free vehicles
- Promote alternative transportation and reduced vehicle use

## Solid Waste Sector:

- Incorporate recommendations from Recycling Task Force
- Create a solid waste education and communication plan
- Expand recycling opportunities

## Recommendations:

3. Implement the following near-term activities to continue progress on attaining the goals of the plan:

1. Perform a community-wide GHG inventory with the help of community partners, including emissions from natural gas usage
2. Create a communication structure of community partners
3. Create and staff a City of Stillwater Sustainability Manager position
4. Perform an Investment Grade Audit with expanded scope to include displacement of grid power with local distributed renewable generation

## Recommendations:

3. Implement the following near-term activities to continue progress on attaining the goals of the plan:

5. Establish a Zero/Low Emissions Vehicle Fleet program with replacement priority given to high Daily-Vehicle-Miles-Traveled vehicles
6. Continue to work with GRDA to accelerate a transition to clean, renewable energy to further reduce the City's carbon footprint.
7. Promote Stillwater's updated DG policy, with a goal of 1 MW of installed capacity by 2024 - equivalent to 125 customers with 8 KW solar panel capacity each.
8. Continue to pursue development of a community solar farm through partnerships. Potential partners include GRDA and other GRDA municipal customers, commercial customers such as Walmart, and 3<sup>rd</sup> party solar farm developers.

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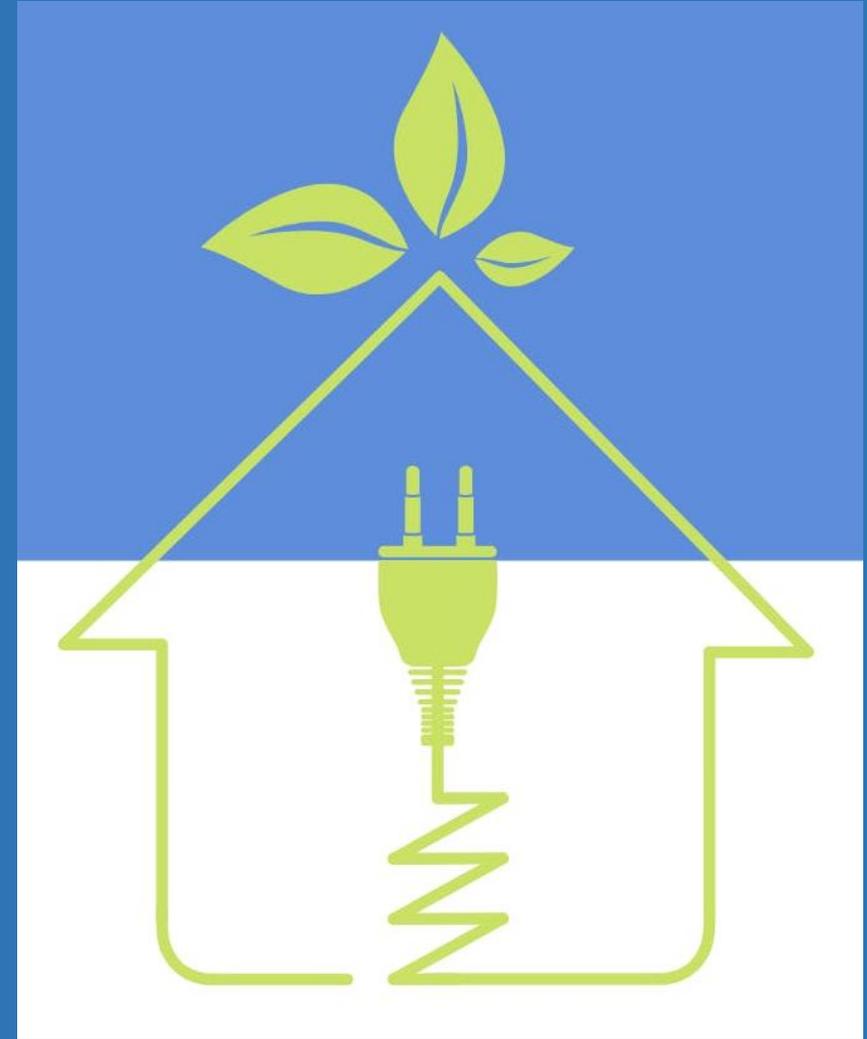
Becky Taylor

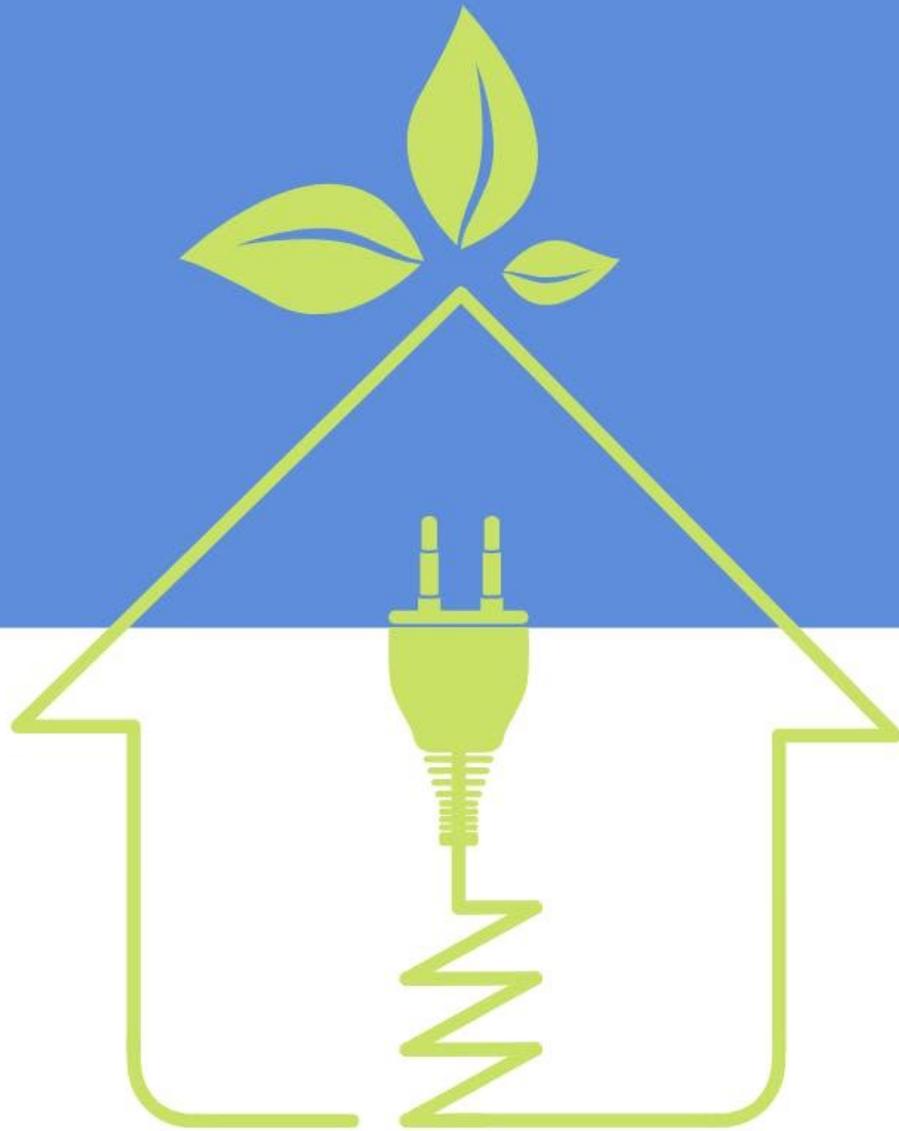
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Questions?