

4.5 Energy Conservation

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| Assessment Process | |
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| A. | Through community surveys and input to mayor-appointed advisory committees, the City of Lamar identified a need to reduce waste going into the local landfill and an opportunity to provide environmentally-conscious electrical energy. Aspects of this project are addressed in sub-points A through D under Program Standards and the goal listed under Program Goals and Planning. |
| B. | As a result of assessments from other agencies in the community, plans are prepared and projects are coordinated to provide energy conservation assistance through the University Outreach and Extension and Economic Security Corporation. |

| Program Standards | |
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| A. | Organization: The City of Lamar is the primary entity responsible for development, administration, and operation of the local energy conservation program. The City operates electrical and water utilities, as well as solid waste collection services. Furthermore, the City staffs a full-time, licensed engineer that is heavily involved in local and regional recycling endeavors. |
| B. | Mission Statement: It is the intent of the City of Lamar to provide energy conservation and recycling programs that benefit the population of the community through their support and participation. The goal of the City's primary program now under development is to extend the life of the landfill by reducing the amount of entering waste, process the waste to produce electricity at a reasonable cost, and help retain the city's largest employer by reducing disposal costs of wood waste for O'Sullivan Furniture. |
| C. | State Development and Evaluation Assistance: Development and evaluation assistance will be sought from the Missouri Division of Energy and other state and/or federal agencies. |
| D. | Program Collaboration: The City will be seeking support for state and/or federal efforts to enact legislation stipulating that a percentage of electrical energy be derived from environmentally-conscious, or "green," sources of energy. Such a requirement and potential incentives resulting for the effort would enhance the feasibility of this waste conversion project for Lamar. |
| E. | Community Participation: News articles and informational publications available at City Hall advocate the participation of everyday citizens in regards to energy conservation programs available at a given time. Through the city utility, citizens can participate in energy conservation programs and financial savings available through the use of electricity verses natural gas. The City of Lamar has an ongoing project of replacing old, outdated, high-consumption street lamps with newer high efficiency models, thus further reducing energy usages and costs for the taxpayers. |
| F. | Energy Conservation Publicity: In addition to the news articles and publications referenced above, awareness of Energy Conservation endeavors are enhanced through a special component of the annual Clean-Up/Fix-Up Beautification campaign from Lamar Community Betterment and special features in the annual Progress Edition published by the <i>Lamar Democrat</i> newspaper. |
| G. | Energy Information Center: The University Outreach and Extension office at the Wolf Community Center serves as a clearinghouse for material related to energy conservation. The City Hall complex serves this purpose as well. |
| H. | Energy Efficiency Codes: Energy efficiency is addressed in the most recent update of building codes adopted by the City. |

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| I. | Carpooling: Carpool programs utilized in larger cities are not as feasible in Lamar, due to the large geographic and economic diversity of Barton County. However, many local workers voluntarily carpool at factories when possible. A program under development by the Wheels for Workers task force under the auspices of Barton County Achieving Wellness and Security seeks to provide innovative transportation solutions and vehicle donations to citizens in need. The citizens targeted for benefit from this program are those that are unable to secure and maintain meaningful employment due to barriers in reliable transportation. To provide the maximum benefit and utilization of resources, carpooling will be stipulated whenever possible. |
| J. | Solid Waste Recycling: The City of Lamar has made a large financial contribution to the Prairie View Landfill for the construction of a recycling center at the local landfill. Additionally, the center will receive grant support from the Region M Solid Waste Management District for a project that will transfer recyclable waste to a regional recycling center at Neosho, Missouri that is operated by Region M. |

Program Goals and Planning

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| Goal | Reduce landfill waste entry and generate additional electrical energy |
| Strategy | The City of Lamar is moving forward on constructing a 5.5 megawatt electrical generation facility. The generator will be powered by steam derived from burning wood waste obtained from a local furniture manufacturer. The feasibility study is being performed by Blakely and Associates. Design/Build work will be done by R.E.M. Engineering Company of Rosewell, Georgia. |
| Funding | The project is a joint venture between the City of Lamar and two local businesses – Standley Milling Company and O’Sullivan Furniture. Additional grant funding from state and/or federal sources will further enhance the financial feasibility of the project. Additional funding requirements and details will be addressed in the feasibility report to be provided by a consulting firm retained by the City of Lamar. |
| Timeline | Timeline benchmarks will be addressed in greater detail through a feasibility report to be provided by a consulting firm retained by the City of Lamar. |

Program Evaluation

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| <p>The success of Energy Conservation endeavors for Lamar are addressed through:</p> <ul style="list-style-type: none"> • Amount of waste input reduced at the landfill • Profit generated by the Electric Generation facility • Benchmarks and best practices guidelines established through the state and federal agencies • Annual Surveys of the local community conducted through the Chamber of Commerce and Lamar Community Betterment |
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