



# City of Fresno Public Works - Sustainability Division Energy Efficiency and Management Progress Report

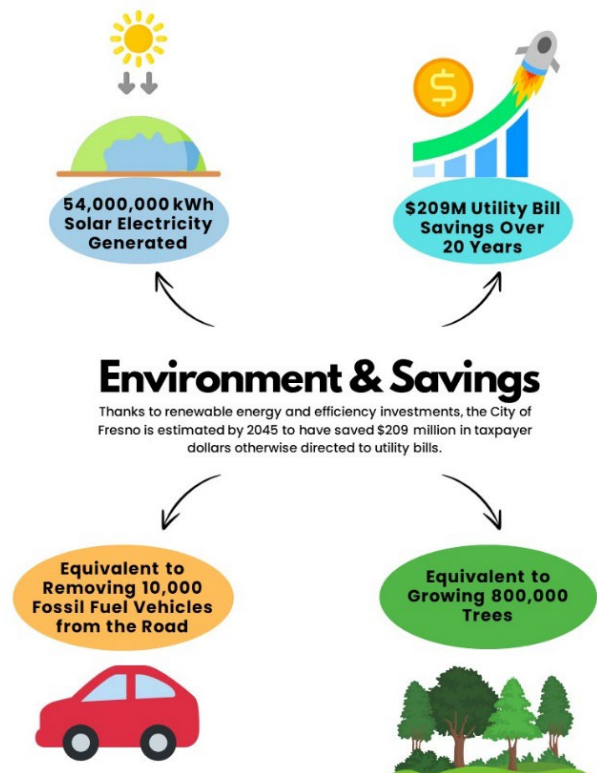
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The City of Fresno’s Sustainability Division was launched by the Public Works Department in 2019 and was created to help the City improve its energy efficiency and renewable energy goals in City owned facilities. As the 5<sup>th</sup> largest city in California, the focus has been on reducing the City’s carbon footprint by lowering energy consumption and increasing renewable energy.

Since its inception, the Sustainability Division has been active in implementing a number of transformative initiatives throughout the City. The City’s renewable energy portfolio has grown from a solar offset in 2020 of 1.7% to 46.3% in 2024, with projects currently under construction and final design. This was achieved by negotiating and developing over 34 megawatts (MW) of new solar and battery storage projects at 10 citywide sites, which is projected to save taxpayers over \$143 million over the next 20 years with low fixed electricity rates. This critical energy work has also included the upgrade of over 43,000 City streetlights to light emitting diode (LEDs), and the development and completion of energy efficiency projects at 76 different sites to include the City’s Municipal Service Center, Parks, Fire, Police, and the Department of Public Utilities facilities. All projects have included a focus and priority on energy job training and local labor.

These combined energy initiatives will save taxpayers \$209 million over the next 20 years and equates to removing more than 10,000 vehicles off the roads, growing over 800,000 trees over 10 years, and decreasing CO2 emissions by over 46,000 metric tons.

As the Division continues to move towards managing energy use and costs by lowering Fresno’s carbon footprint and greenhouse gas emissions, the department is working on a program to utilize federal grant dollars to procure and implement an Integrated Energy Data Management System. When implemented the new system and reporting software will track the City’s 2,400+ electricity accounts.



The City is motivated to track and manage energy usage because the cost per kilowatt of electricity in California is far more than double the national average. In addition to the consistent rising costs of electricity and desire to save taxpayers money, state agencies are moving towards mandatory reporting requirements of energy use and renewable energy credits (REC). Being able to monitor and track the City's electricity accounts will not only help determine the effectiveness of the measures Fresno has taken so far, but it will also allow the City to accurately report its usage and help pinpoint the areas and accounts that need attention.

The Division is also committed to implementing the City's Climate Action Plan (CAP) which is committed to providing livable, equitable, and economically vibrant communities which includes the reduction of GHG emissions. By using energy more efficiently, harnessing renewable energy to power buildings and enhancing access to sustainable practices, the City retains dollars in the local economy, creates jobs, and improves the community's quality of life. The City has already implemented a number of sustainability and conservation efforts as a municipality to include the City's established clean energy use goal of 50% renewable energy by 2025.

The progress made by the Division in just four years is impressive and has positioned the City to align with the robust clean energy goals adopted by the State of California.

