



**FACT SHEET**

# City Fund to Reduce Energy Demand (C – FRED)

## Overview

*City Fund to Reduce Energy Demand (C – FRED)*

*Completed or current conservation projects:*  
18

*Amount loaned to date:*  
\$3.5 Million

*Annual savings from these projects:*  
\$500,000 per year

**Project Summary:** King County established the internal Fund to Reduce Energy Demand (FRED) in 2014 to overcome a major hurdle for county agencies trying to pursue energy and water conservation projects: securing up-front capital needed to support the initial investment. The FRED Program enables an internal loan that is paid off by the agency’s operating savings from the project. To date, King County’s internal FRED program includes 18 completed or in-development projects including lighting retrofits and a solar panel installation, totaling approximately \$3.5 million dollars of investment that will result in \$500,000 dollars in annual savings.

Cities in King County face similar barriers to financing resource efficiency and renewable energy projects. The County is expanding its internal loan program to city partners through a companion City-FRED program. Participating cities will be able to take advantage of the simple application process and low interest rate to fund energy efficiency or renewable energy projects on their facilities.

**King County Project: *Transfer Station Lighting*** This FRED project funded the comprehensive retrofit of light fixtures to LED technology at the Algona, Enumclaw and Vashon solid waste transfer stations. This project cost \$109K and received a \$50K utility rebate. With annual savings of 249,800 kWh and \$19,900, this project had a 2.9 year payback, far less than the 10+ year expected life of the new lights.

*King County Transfer Station*



**Detailed Description:** Cities must demonstrate that the projects will save resources and money to repay the loan over the ten year term. Commitments to repay the loan would be secured through formal agreements.

Offering the C - FRED program to King County cities will help to advance progress toward the shared, countywide goal of reducing community greenhouse gas emissions by 80% by 2050.



*Through focused, coordinated action, we will maximize the impact of our individual and shared efforts.*