



REQUEST FOR APPLICATIONS

Global Green Expanding Biogas Generation & Food Recovery Initiative

Seeking Partner Cities & Stakeholders for No-Cost Technical Assistance

Applications Due May 10th, 2019 @ 6PM PST

- *Does your city want effective strategies to address food waste?*
- *Does your city want to explore opportunities to recycle food scraps into renewable biofuel?*
- *Does your city need help in identifying ways to expand existing food waste processing infrastructure to meet the needs of AB-1826 and SB-1383?*

The goal of this initiative is to address the barriers to clean energy (i.e. biogas) generation in Southern California's underserved communities by:

- 1) Enhancing community capacity for food waste diversion through Eco-Ambassador training workshops in 1-2 cities, and
- 2) Modeling scenarios for biogas generation in 1-2 early-adopter cities.

This free technical assistance is being provided under the Environmental Champions grant from Southern California Gas Company (SoCalGas). The estimated dollar value of this technical assistance is approximately \$11,000 per city. Two to four cities will be selected for assistance. Cities may opt for either one or both technical assistance opportunities listed above.

Promoting Sustainability through Community Empowerment and Infrastructure Planning

Organic waste management and renewable energy have converged with a driving force in California due to legislative mandates, AB-1826 and SB-1383 which set the path towards reaching a state diversion target of 75% reduction of waste (2014 baseline level) by 2025. In order to manage this increased supply of organic waste, there is a need for California cities to assess their current organic waste processing infrastructure, and make plans to expand and optimize this infrastructure through long-term solutions.

Food waste is a paramount issue that affects the environment, the economy, and global hunger. One strategy to mitigate this issue is to work with communities to create closed-loop resource systems by preventing avoidable food waste, recycling inedible food scraps, and capturing methane biogas from the recycling process via anaerobic digestion in order to create renewable energy. This closed-loop system starts at the community level, educating individuals to value food as a resource and empowering them to take action through outreach and advocacy.

See 2nd page for How it Works and Eligibility!



How It Works

Option A: Eco-Ambassador Program

- Through a series of planning sessions with city staff, the Global Green team will guide each city in creating a sustainable resident outreach program specific to the city's needs and objectives to address the interconnected issues of food waste and clean, renewable energy (i.e. biogas) in underserved communities. Global Green will consult on program formation and implementation, identifying effective strategies for Eco-Ambassador recruitment, training, engagement and retention, and waste data tracking.
- Global Green will assist the city in initial Eco-Ambassador recruitment as well as the first training workshop so as to create momentum and troubleshoot any challenges that may arise.
- Throughout program adoption, Global Green will also assist with the installation and administration of waste data and engagement tracking strategies such as waste bin sensor technologies and participant surveys. After program launch, this model is designed to create a sustainable outreach program to be administered by city staff indefinitely, or as long as needed.

Option B: Biogas Infrastructure Planning

- After review of partner city applications and state reporting documents, Global Green will assess each selected city's existing food waste processing infrastructure, as well as capacity needs and opportunities.
- Based on findings derived from each city's infrastructure and capacity assessments, Global Green will conduct a comprehensive feedstock analysis to assess potential feedstock of food waste generated.
- Global Green will then assess technology options for food waste to biogas infrastructure to meet the needs of each city. A final report will be produced, including the following elements: 1) infrastructure assessment, 2) feedstock analysis, 3) technology recommendations, and 4) recommendations and next steps.

Eligibility

Eligible cities are located within SoCal Gas territory, and have access to food scrap collection services through their waste hauler(s). Good candidates are cities willing to provide food scrap collection services to multi-family buildings, and whose food waste is processed at a facility to create renewable energy (i.e. biogas) via anaerobic digestion. Cities without existing food waste processing infrastructure that want to model scenarios for later adoption, or that are willing to pilot small-scale urban anaerobic digestion systems are also eligible.

For more information, please contact Madisen Gittlin at:

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