

CITY OF
HAYWARD
HEART OF THE BAY

Introduction of Ordinance to Accept Fats, Oil and Grease (FOG) at WPCF

Alex Ameri, Director of Public Works
Utilities & Environmental Services

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What is FOG?

- Generated in the preparation of food
- Captured in traps and interceptors at restaurants, food processors, and other commercial food-related entities
- Collected by licensed haulers for disposal
- Not permitted to be discharged directly to sanitary sewer because of high oil and grease concentrations and potential for sewer blockage and sewer system overflow



FOG in Cogeneration Energy

- Boosts digester gas production at wastewater treatment facilities
- Results in increased production of on-site cogenerated (green) energy and reduced use of purchased energy
- Requires specialized receiving equipment and storage facilities to optimize benefits and protect WPCF
- Valuable resource to wastewater treatment plants – EBMUD, San Leandro, Oro Loma and Hayward are among local agencies with grease receiving facilities



City's Pilot FOG Acceptance Program

- Pilot FOG receiving program was conducted to:
 - ✓ Determine any positive or negative impact of FOG on health of digesters
 - ✓ Assess volume and quality of bio-gas production increase
 - ✓ Accumulate data for City's new cogeneration project design

- Based on positive results, a 20,000 gallon FOG receiving station is now under construction – to be completed in November



Key Elements of Proposed FOG Ordinance

- Authorizes acceptance of FOG under specific conditions, including issuance of City permit
- Establishes initial fees and charges for permitting and FOG acceptance
- Includes incentives for entering into longer range, larger quantity agreements with established haulers to obtain consistent and sufficient deliveries of FOG
- Provides City with sufficient flexibility to manage deliveries of FOG to protect the WPCF



Conditions for Acceptance of FOG

- Ordinance would allow acceptance of FOG that is:
 - ✓ Produced by food service establishments
 - ✓ Meets all local, state and federal discharge limits, except for oil and grease concentrations
 - ✓ Delivered by haulers permitted by the Alameda County Department of Environmental Health

- City permits would be issued annually to:
 - ✓ Define allowable sources of FOG
 - ✓ Establish insurance and licensing requirements
 - ✓ Document fees and charges



Proposed Fees

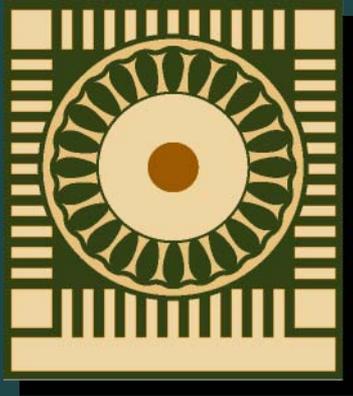
- Initial fees set in Ordinance – subject to annual review
- Proposed permitting fees: \$300 for initial permit; \$100 for annual renewal
- Proposed FOG disposal fees:
 - ✓ \$0.05 per gallon
 - ✓ 40% reduction (\$0.03 reduced cost per gallon) if haulers agree to deliver 10,000 gallons per day, six days a week, for at least one year
 - ✓ 50% reduction (\$0.025 reduced cost per gallon) for deliveries that include at least 50% cooking oil filtrate, which has higher energy content and increased economic value



Economic and Fiscal Impact

- Provides haulers with local, cost effective means of FOG disposal
- Initially provides City with revenue (estimated to be in the range of \$100,000 per year) to recover costs associated with operating the FOG receiving station
- Future revenues are uncertain given increased competition in the FOG market
- Most significant benefit is the use of renewable energy source and generation of green energy





Questions/Discussion

