

Department: Health Department **Program Contact:** Jae Douglas
Program Offer Type: Existing Operating Program **Program Offer Stage:** As Proposed
Related Programs: 40008A
Program Characteristics:

Executive Summary

This program offer will maintain the current capacity in Vector services. The Vector program provides abatement services across the county including public lands and green spaces under the jurisdiction of City of Portland, Metro, Port of Portland among others. In 2021, the Public Health division will be exploring other sources of revenue and support for this program, in partnership with all the jurisdictions that benefit from these services.

Program Summary

Vector control and code enforcement are core public health services. Multnomah County's climate supports ideal mosquito and rat habitats. International airport and shipping along with migratory bird flyways provide avenues for new diseases to enter the community. Mosquito control began in the county in the 1930's, when malaria was endemic. In 2019, four counties in Oregon reported 85 mosquito-cases of West Nile Virus. There were no cases detected in Multnomah County. It is necessary to maintain current levels of surveillance and control to ensure early prevention and suppression of this and other vector-borne diseases using World Health Organization and Center for Disease Control best practices. Rodent control is critical to public health. Rodents can spread Hantavirus, plague and other diseases and can affect livability. A survey in the county rat population showed Toxoplasmosis (Cat Box Fever) in 6% of the rat population. Vector Control protects the community by serving all populations, while focusing on the vulnerable (i.e. elderly, children, homeless). The citizenry understands and expects these program functions.

The Vector program's major components include mosquito control; rodent control; and nuisance code enforcement. Mosquito control comprises the majority of the program's funds/staffing. The program is the primary provider of rodent control in the county. Nuisance code enforcement addresses public health code violations, including restaurant enforcement and dumping.

The program's main activities include collecting and identifying mosquitoes, birds, and rats; monitoring for and responding to emerging vector-borne disease such as Zika virus and now-endemic West Nile Virus; performing laboratory analysis on rats and mosquitoes to determine what species carry disease, their preferred habitats, and population size; abating/suppressing mosquitoes that carry West Nile Virus with pesticides with the least impact; reducing the mosquito breeding habitat through water control and vegetation management; and educating the average citizen and vulnerable populations about preventing vectors and their habitat through community meetings, pamphlets, and the media.

Performance Measures

| Measure Type | Primary Measure | FY19 Actual | FY20 Budgeted | FY20 Estimate | FY21 Offer |
|--------------|---|-------------|---------------|---------------|------------|
| Output | Number of acres treated for mosquitoes | NA | NA | NA | 630 |
| Outcome | Proportion of number of acres treated for mosquitos funded by iurisdictional entity | NA | NA | NA | 0.8 |
| Efficiency | Number of acres treated for mosquitoes per FTE | NA | NA | NA | 158 |
| Output | Number of rodent inspections conducted | NA | NA | NA | 420 |

Performance Measures Descriptions

1) Total acreage where mosquito suppression activities occurred is subject to variance in weather patterns, seasonal flooding, characteristics, and presence/absence of disease. 2) Based on industry standard estimate methodology: 500,000 mosquitoes per surface acre of water multiplied by number of acres treated, estimates mosquitoes prevented (to nearest whole number). 3) Total acreage treated per FTE. 4) On-site inspections stemming from rodent complaints received.

Legal / Contractual Obligation

Legal mandates are ORS 167, 452, 498, 506, and 634; OAR 635 and 603; 1968 Agreement City of Portland and Multnomah County – Title 13 and Title 8; MC 2011-129; NPDES General Aquatic Permit for Mosquito Control 2300A; 7 contractual mandates include grants, contracts, federal, regional, and local mandates.

Revenue/Expense Detail

| | Adopted General Fund | Adopted Other Funds | Proposed General Fund | Proposed Other Funds |
|------------------------|-------------------------|------------------------|--------------------------|-------------------------|
| Program Expenses | 2020 | 2020 | 2021 | 2021 |
| Personnel | \$0 | \$0 | \$131,986 | \$0 |
| Contractual Services | \$0 | \$0 | \$7,954 | \$0 |
| Total GF/non-GF | \$0 | \$0 | \$139,940 | \$0 |
| Program Total: | \$0 | | \$139,940 | |
| Program FTE | 0.00 | 0.00 | 1.30 | 0.00 |

| Program Revenues | | | | |
|----------------------|------------|------------|------------|------------|
| Total Revenue | \$0 | \$0 | \$0 | \$0 |

Explanation of Revenues

Significant Program Changes

Last Year this program was:

In FY 2021, this offer will fund FTE (field staff and administration support) which was reduced in 40008A Vector-Borne Disease Prevention and Code Enforcement and bring the program back to FY 2020 service levels for acres for mosquitoes treated and rodent inspections.