

Program #40008A - Vector-Borne Disease Prevention and Code Enforcement

5/2/2022

Department: Health Department **Program Contact:** Andrea Hamberg

Program Offer Type: Existing Operating Program Program Offer Stage: As Proposed

Related Programs:

Program Characteristics:

Executive Summary

The Vector program protects the public from emerging and imminent vector-borne diseases by monitoring, collecting, and testing mosquitoes, birds, and rats, and enforcing health-based nuisance codes. Climate changes in the Northwest (warming winter temperatures, increase in rainfall, and urban landscape management) will increase the risk of vector-borne diseases, and this program addresses this increased risk by anticipating and responding to observed changes.

Program Summary

Vector Control and Code Enforcement are core public health services that protect the public from diseases carried by and transmitted via contact with animals, using World Health Organization and Center for Disease Control best practices. This is accomplished through

Mosquito Control - suppression of mosquito populations to lower the risk of West Nile Virus and other mosquito-borne viruses and reducing the mosquito breeding habitat through water control and vegetation management.

Disease Surveillance - collection, identification, and laboratory analysis of mosquitoes, birds, and rats to identify diseases and monitoring the spatial and temporal distribution of species to determine at-risk areas and populations.

Rodent Control – performing complaint-based inspections for property owners and businesses and providing education and free abatement materials.

Nuisance Code Enforcement - addressing public health code violations, investigating and removal of illegal dumping, and enforcement of city codes regarding livestock.

Outreach and Education - attend fairs, festivals, and activities throughout the county with a focus on events in areas that are in low income neighborhoods or communities of color to provide education and resources in multiple languages on protection from vector-borne disease.

| Performance Measures | | | | | | | | |
|----------------------|---|----------------|------------------|------------------|---------------|--|--|--|
| Measure Type | Primary Measure | FY21 Actual | FY22 Budgeted | FY22 Estimate | FY23 Offer | | | |
| Output | Number of rodent inspections conducted | 631 | 1,000 | 700 | 700 | | | |
| Outcome | Number of service referrals that improve vector abatement | 76 | 12 | 60 | 45 | | | |
| Output | Number of acres treated for mosquitoes | 600 | 2,000 | 600 | 300 | | | |
| Quality | Inspection and monitoring of mosquito producing sites | 745 | 800 | 800 | 800 | | | |

Performance Measures Descriptions

1) Rodent inspections are generated by submitted complaints. Inspections of encampments are included in 40008B. 2) Mosquito referrals are complaint-based and use integrated pest management strategies for abatement, which include education, removal of breeding source(s), and biological and chemical treatments. 3) FY22 estimate was impacted by weather conditions being unfavorable for treatment and staff being deployed to COVID-19 response. In FY22, this measure was budgeted at 4 FTE. In FY23, the measure is budgeted at 2 FTE.

Legal / Contractual Obligation

Legal mandates are ORS 452 Vector Control, OAR 333-018 Communicable Disease and Reporting, OAR 333-019 Communicable Disease Control, OAR 603-052 Pest and Disease Control, OAR 603-057 Pesticide Control, 1968 Agreement City of Portland and Multnomah County, MCC Chapter 15 Nuisance Control Law, PCC Title 8.40 Rodent Control, PCC Title 8.44 Insect Control, PCC Title 29 Property Maintenance Regulations, NPDES General Aquatic Permit for Mosquito Control 2300A

Revenue/Expense Detail

| | Adopted General Fund | Adopted Other Funds | Proposed General Fund | Proposed Other Funds |
|----------------------|-------------------------|------------------------|--------------------------|-------------------------|
| Program Expenses | 2022 | 2022 | 2023 | 2023 |
| Personnel | \$1,093,921 | \$10,000 | \$1,133,965 | \$0 |
| Contractual Services | \$19,583 | \$0 | \$34,100 | \$0 |
| Materials & Supplies | \$24,146 | \$0 | \$72,999 | \$0 |
| Internal Services | \$264,166 | \$0 | \$328,081 | \$0 |
| Total GF/non-GF | \$1,401,816 | \$10,000 | \$1,569,145 | \$0 |
| Program Total: | \$1,411,816 | | \$1,569,145 | |
| Program FTE | 8.56 | 0.06 | 8.62 | 0.00 |

| Program Revenues | | | | | | | |
|-----------------------|-----------|----------|-----------|-----|--|--|--|
| Intergovernmental | \$0 | \$10,000 | \$0 | \$0 | | | |
| Other / Miscellaneous | \$1,000 | \$0 | \$0 | \$0 | | | |
| Service Charges | \$272,612 | \$0 | \$342,446 | \$0 | | | |
| Total Revenue | \$273,612 | \$10,000 | \$342,446 | \$0 | | | |

Explanation of Revenues

\$ 277,000 - City of Portland Rat & Mosquito Control

\$ 65,446 - City of Portland Specified Animal Permitting

Significant Program Changes

Last Year this program was: FY 2022: 40008 Vector-Borne Disease Prevention and Code Enforcement

In FY22, staff that primarily work on mosquito monitoring and abatement were redeployed to work on rodent response and encampments. In FY23, these staff will transition back to mosquito inspection and monitoring. In FY23, the program is being stabilized through increased County General Fund (\$98,495) to right size supply and contract costs while maintaining 2 FTE to treat for mosquitoes (reduced from 4 FTE in FY22). The program moved 2.82 FTE, which was added mid-FY22 to support rodent inspections in encampments, from this offer to 40008B. COVID-19 Impacts: In FY22, Vector staff were reassigned to COVID-19 response for multiple events. The program maintained services with voluntary overtime for staff. Most community outreach events were canceled, which significantly reduced the program's ability to engage the community in vector prevention. In FY23, the program anticipates returning to pre-pandemic operations.