

Department: Health Department **Program Contact:** Andrea Hamberg
Program Offer Type: Existing Operating Program **Program Offer Stage:** As Requested
Related Programs: 40007, 40010A, 40037
Program Characteristics: In Target

Executive Summary

The Vector program protects the public from emerging and imminent vector-borne (animal-to-human) diseases and reduces the social/economic impact of uncontained outbreaks, predominantly by conducting mosquito and rodent control, and enforcing nuisance codes. Major vector-borne diseases include Hantavirus, West Nile Virus, and Zika virus. 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. Main activities include collecting and identifying mosquitoes, birds, and rats; monitoring and responding to emerging vector-borne disease; performing laboratory analysis on rats and mosquitoes to determine what species carry disease, their preferred habitats, and population size; and educating the public, with a focus on vulnerable populations, about preventing vectors and their habitat through community meetings, pamphlets, and media. Main functions include:

Mosquito Control – abating and suppressing mosquitoes that carry West Nile Virus with pesticides with the least impact, and reducing the mosquito breeding habitat through water control and vegetation management.

Rodent Control – serving as the primary provider of rodent control in the county.

Nuisance Code Enforcement - addressing public health code violations, including restaurant enforcement and dumping.

This program uses a variety of population demographic and building/infrastructure/environment indicators, such as racial residential distribution, population age, age of home, or sewer construction dates, to identify areas in our community most affected by vector issues and subpopulations disproportionately impacted by them. We partner with other County programs, including REACH, Aging and Disability, and Gatekeepers to address the disproportionate impact experienced by racial and other demographic subpopulations through referral, prevention and educational outreach materials, and events such as annual Fix-it-Fairs. The program uses best management practices, sound science, a 360 feedback process, a community advisory committee, and other methods for community engagement, inclusion, and feedback.

Performance Measures

Measure Type	Primary Measure	FY20 Actual	FY21 Budgeted	FY21 Estimate	FY22 Offer
Output	Number of acres treated for mosquitoes	2,056	870	1,800	2,000
Outcome	Number of acres treated for mosquitoes per FTE	514	218	500	450
Output	Number of rodent inspections conducted	1,059	580	950	1,000
Quality	Number of service referrals that improve vector abatement	NA	NA	NA	12

Performance Measures Descriptions

1) Subject to variance in weather patterns, seasonal flooding, and presence/absence of disease. 2) Total acreage treated per FTE. Reported years all reflect 4 FTE. 3) On-site inspections stemming from rodent complaints received. 4) Vector control inspector refers client to other resources that have a positive impact on reducing inequities. Partnerships include Aging and Disability, Gatekeepers, and REACH to support BIPOC and underserved populations with vector issues.

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, 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	Requested General Fund	Requested Other Funds
Program Expenses	2021	2021	2022	2022
Personnel	\$1,013,192	\$0	\$1,093,921	\$10,000
Contractual Services	\$27,537	\$0	\$19,583	\$0
Materials & Supplies	\$49,390	\$0	\$24,146	\$0
Internal Services	\$246,698	\$0	\$264,166	\$0
Total GF/non-GF	\$1,336,817	\$0	\$1,401,816	\$10,000
Program Total:	\$1,336,817		\$1,411,816	
Program FTE	8.12	0.00	8.56	0.06

Program Revenues				
Intergovernmental	\$10,000	\$0	\$0	\$10,000
Other / Miscellaneous	\$1,000	\$0	\$1,000	\$0
Service Charges	\$272,612	\$0	\$272,612	\$0
Total Revenue	\$283,612	\$0	\$273,612	\$10,000

Explanation of Revenues

- \$ 266,112 - The City of Portland, Bureau of Environmental Services
- \$ 10,000 - State of Oregon, West Nile Virus
- \$ 5,000 - Oregon Zoo
- \$ 1,500 - Maywood Park
- \$ 1,000 - Penalty Enforcement

Significant Program Changes

Last Year this program was: FY 2021: 40008A Vector-Borne Disease Prevention and Code Enforcement

Significant Changes: There is no service level capacity change from FY21 to FY22 as the FY21 A and B offers are collapsed into a single FY22 offer.

COVID-19-Related Impacts: In FY21, a portion of Vector staff were reassigned to COVID-19 response for periods of time but services continued. To keep providing services during COVID-19, Vector implemented social distancing during inspections, teleworking, reporting directly to field for field workers, and staggering work schedules. The program saw an increase in rat inspections due to more people working from home and noticing local rat issues and creating more rat harborage (trash, etc.). Finally, all community outreach events such as Fix it Fairs, OMSI, Portland Community gardens, local neighborhood meetings, etc., which significantly reduced the program's ability to proactively teach and engage the community in vector prevention. In FY22, Vector anticipates facing some similar challenges but still maintaining services.