

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

7/7/2014

Department:Health DepartmentProgram Contact:Chris WirthProgram Offer Type:Existing Operating ProgramProgram Offer Stage:As Adopted

Related Programs: 40007, 40037

**Program Characteristics:** 

#### **Executive Summary**

This program protects the public from emerging and imminent vector-borne diseases and reduces the social/economic impact of uncontained outbreaks. Vector-borne diseases are transmitted from animal to humans. Climate changes in the NW will increase the risk of vector-borne diseases. Intervention strategies include surveillance, analysis, proactive control/abatement of rodent and mosquito populations and public education. Program includes enforcement of nuisance codes. The program solicits input from a Commissioner-appointed Citizen Advisory Committee.

### **Program Summary**

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 2013, sixteen counties in Oregon reported 109 mosquito-cases of West Nile Virus – an increase since last year. Additionally, the County had a human case which was acquired out-of-state. It is necessary to maintain current levels of surveillance and control to ensure early prevention and suppression of this disease 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).

Performance Measures Below: 1) Output: Total acreage where mosquito suppression activities occurred is subject to variance in weather patterns, seasonal flooding, characteristics, presence/absence of disease.

Performance Measures								
Measure Type	Primary Measure	FY13 Actual	FY14 Purchased	FY14 Estimate	FY15 Offer			
Output	Number of acres treated for mosquitoes	3,141	4,200	3,100	3,100			
Outcome	Mosquitoes prevented (In billions)	16	21	15	16			
Efficiency	Number of acres treated for mosquitoes per FTE	628	840	620	620			
Output	Number of rodent inspections conducted	702	850	850	850			

#### **Performance Measures Descriptions**

Performance Measure Continued...2) Outcome: 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) Efficiency: Total acreage treated per FTE. Five FTE were used to treat for mosquitoes in all reported years' calculations.
- 4) Output: 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, Indoor Air Quality Act MC 21.500; 6 contractual mandates include grants, contracts, Federal, regional and local mandates.

## **Revenue/Expense Detail**

	Proposed General Fund	Proposed Other Funds	Proposed General Fund	Proposed Other Funds
Program Expenses	2014	2014	2015	2015
Personnel	\$936,528	\$0	\$944,372	\$0
Contractual Services	\$69,000	\$0	\$69,802	\$0
Materials & Supplies	\$92,167	\$0	\$92,821	\$0
Internal Services	\$193,983	\$0	\$199,463	\$0
Total GF/non-GF	\$1,291,678	\$0	\$1,306,458	\$0
Program Total:	\$1,291,678		\$1,306,458	
Program FTE	9.90	0.00	10.00	0.00

Program Revenues							
Fees, Permits & Charges	\$500	\$0	\$500	\$0			
Other / Miscellaneous	\$1,000	\$0	\$1,000	\$0			
Service Charges	\$235,166	\$0	\$352,166	\$0			
Total Revenue	\$236,666	\$0	\$353,666	\$0			

# **Explanation of Revenues**

Vector-borne Disease Prevention and Code Enforcement is funded by county general fund as well as with revenue from intergovernmental agreements with the City of Portland and other local and state jurisdictions.

City of Portland Bureau of Environmental Services: \$224,000 City of Portland specified animal agreement: \$117,000 Agreements with other state/local jurisdictions: \$11,166

Fees from permits and fines: \$1,500

## Significant Program Changes

Last Year this program was: 40008 Vector-Borne Disease Prevention and Code Enf

Reduced Current Year Estimate for three mosquito control performance measures reflects reduction of a 0.5 Vector Control Specialist FTE field worker, reduction in Professional Services and materials/supplies capacity to performance aerial mosquito control services. Increased FTE for FY15 reflects additional inclusion of Environmental Health's Health Educator work in Vector Control budget.