MEMORANDUM



EUGENE WATER & ELECTRIC BOARD

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TO: Commissioners Simpson, Brown, Helgeson, Manning and Mital

FROM: Steve Newcomb, Environmental Management Department Manager

Karl Morgenstern, Environmental Management Supervisor

DATE: October 25, 2013

SUBJECT: Watershed Protection Program Overview

OBJECTIVE: Information Only

Issue

This memo provides information about EWEB's current investments in drinking water source protection program and how the program addresses the highest priority threats to the source of Eugene's drinking water. There were specific questions at the September board meeting about the septic assistance program which are answered immediately below.

Septic Assistance Program

In response to Board discussion and questions at the September 17, 2013, the following information is provided:

- The 2013 Budget includes \$10,000 for the septic cost share program. As of August 2013 these funds were spent and the program was put on hold until 2014 funding kicks in. Adequate funds exist in 0% interest revolving loan fund for 2013 and beyond.
- The 2014 budget was increased (in response to Commissioner Brown's request) by \$10,000 for a total of \$20,000 following the September 17, 2013 Board meeting. Based on past program participation, this level of funding is anticipated to be adequate to meet the demand for assistance.

Background

EWEB invests nearly \$670,000 annually to implement and maintain a comprehensive drinking water source protection program. The internal funding is often matched with a similar amount of outside funding. Based on years of research and analysis, the highest priority threats to water quality in the McKenzie Watershed are:

- Hazardous material spills from transportation accidents and releases from commercial and industrial facilities.
- Pollution runoff from east Springfield's urban stormwater system, which has five outfalls immediately upstream of EWEB's Hayden Bridge intake.
- Cumulative impacts associated with development along the river (septic systems, chemical use, vegetation removal in riparian areas, and loss of agricultural and forest lands to future development).
- Agricultural impacts associated with pesticide and fertilizer use, livestock access to

- waterways, and vegetation removal in riparian areas.
- Climate change impacts that may result in larger and more frequent flooding events, longer dry seasons, more frequent and severe wildfires, and increasingly volatile weather patterns.

Over the last 12 years, EWEB has invested in risk based watershed protection programs that: a) are collaborative and build lasting relationships with partners, stakeholders and communities; b) leverage outside funding and resources; c) are based on best available science; d) address multiple economic, social and environmental issues; e) are sustainable over the long term; and, f) are monitored for effectiveness. Following is a list of the major initiatives that have been implemented with various partners (please see http://eweb.org/sourceprotection for more information). This list addresses the highest priority threats in the watershed.

- McKenzie Watershed Emergency Response System (MWERS)
- Comprehensive Water Quality Monitoring Program
- Healthy Farms Clean Water Program
- Septic System Assistance Program
- Berggren Demonstration Farm
- Voluntary Incentives Program
- Urban Runoff Mitigation Program
- Landowner Education Program
- Pollution Prevention Coalition/EcoBiz Certification Program
- Leaburg Demonstration Forest

Discussion

Investments in source water quality protection are designed to address the highest level risks to water quality in the basin. These investments are leveraged with other sources of funding to increase the effectiveness of the programs. Table 1 summarizes some of the major initiatives EWEB has funded in last few years and shows the amounts of outside funding that the program has attracted on an annual basis. **The total outside funding for 2012 nearly equaled the EWEB investment**. For more detailed summary of all of the source protection programs see Attachment A.

Table 1 Summary of Major Source Protection Initiatives 2012-2013

Program	Purpose	2012	2012 Outside	2013	2013 Outside
		Costs ¹	Funding ²	Costs ¹	Funding ²
MWERS	Ensure a well coordinated	\$37,000	\$5,000	\$37,000	\$5,000
	response to hazardous				
	material spills that contains				
	and stabilizes incidents				
	within initial hours				
Water Quality	Maintain a comprehensive	\$209,000	\$66,000	\$198,000	\$61,000
Monitoring	water quality monitoring				
	program to assess the				
	health of the McKenzie				
	River over time and				
	evaluate effectiveness of				

	Source Protection efforts.				
Healthy Farms	Work closely with	\$189,000	\$168,000	\$124,000	\$180,000
Clean Water	McKenzie farmers and				
	ranchers to increase and				
	protect riparian buffers and				
	reduce chemical use.				
Septic System	Work with McKenzie	\$26,000	\$10,000	\$22,000	\$10,000
Assistance	homeowners and small				
	communities to increase				
	maintenance, repair and				
	replacement of septic				
	systems.				
Voluntary	Engage landowners who	\$179,000	\$350,000	\$155,000	\$175,000
Incentives	own land in riparian areas				
Program	and reward good				
	stewardship that provides				
	long-term protection of				
	these critical areas while				
	encouraging restoration of				
77.1 5 00	degraded riparian forests.	\$7.000	4.0	***	**
Urban Runoff	Work with City of	\$5,000	\$0	\$23,000	\$38,000
Mitigation	Springfield to treat and				
	reduce pollution impacts				
	from stormwater runoff.				
TOTAL		\$645,000	\$599,000	\$559,000	\$469,000

¹- cost estimates include labor and O & M and do not account for all source protection programs (see Attachment A for complete list of investments).

²- leveraged fund estimates from outside sources includes only cash and not in-kind services (i.e.,

If additional investment in source protection is contemplated, EWEB staff feel that these funds would be best used for supporting the Voluntary Incentives Program and/or Urban Runoff Mitigation Program. Please refer to Attachment A for summary of long-term funding needs that are being planned for.

Recommendation

Staff recommends moving forward with additional funding for the septic system cost-share program in the 2014 budget to provide a more robust program that will last the entire year.

Requested Board Action

No action is requested at this time. Additional funding was added to the 2014 budget for the Septic System Assistance Program. The 2014 budget will be acted on later this year.

² – leveraged fund estimates from outside sources includes only cash and not in-kind services (i.e., underestimates true value of leveraged resources).

Program	Purpose/Objectives	Main Program Components	Threats Program Addresses	Data Collected/Used	General Trends/Oberservations	Active Partners
McKenzie Watershed Emergency Response System (MWERS)	Ensure a well coordinated response to hazardous material spills that contains and stabilizes incidents within initial hours		High priority threats from Hwy 126 truck and vehicle accidents, urban spills to stormwater system and commercial/industrial facility releases.	Fire Marshal Hazardous Material Facilities. ODOT vehicle accident data. OERS spill incident data. GIS Spill Equipment Inventories. Emergency Contact Database. GIS Critical Resources for Protection. GIS Spill Response Strategies.	Small spills occurring on periodic basis. No major spills since 1993.	Region 2 HazMat Team, McKenzie Fire & Rescue, Eugene/Springfield Fire, Springfield Public Works, ODOT, USFS, EWEB Generation & Hayden Bridge, SUB, Lane County Sheriff, Lane County Public Works, Army COE, US EPA
Water Quality Monitoring Program	Maintain a comprehensive water quality monitoring program to assess the health of the McKenzie River over time and to provide a scientific basis for evaluating the effectiveness of Source Protection mitigation strategies that address known impacts and emerging threats to drinking water quality.	Watershed baseline monitoring for long-term trend analysis. Harmful algal bloom monitoring in reservoirs. Storm event monitoring to assess landuse impacts. Water Quality data compilation, analysis, reporting and presenting. Emerging contaminant tracking, assessment and monitoring. Managing and updating large water quality SQL database and website to disseminate data to public and partners.	runoff, agriculture, forestry, reservoir operations, septic systems and development for water quality impacts and longer term trends.	Baseline water quality sampling. Student QA Splits (urban stormwater and Camp Creek). Storm event pesticide data. Passive sampling data. Harmful algal bloom data. Storm event optical properties and dissolved organic carbon data.	Increasing trends over time for <i>E. coli</i> bacteria. Higher pesticide concentrations and frequency of detections associated with urban runoff and areas with increased development. Algal bloom trends appear to be occurring at higher levels and with new species (data back to 1990). Dissolved organic contaminants found at persistently low levels on regular basis at intake. Lack of health standards exist for majority of pesticides and organic chemicals detected.	U.S. Geological Survey, USFS, SUB, McKenzie Watershed Council, City of Springfield, Oregon Health Authority, Army COE
Healthy Farms Clean Water Program	Work closely with McKenzie farmers and ranchers to increase and protect riparian buffers and reduce chemical use while increasing the economic viability of farming to help keep farmland as preferred floodplain landuse.	Hazelnut orchards filbert worm mating disruption and nutrient management project. Blueberry growers nonchemical alternative solutions to addressing mummyberry. Berggren Demonstration Farm. Local Food Connection Annual Event. Support for organic certification of McKenzie farms. Support for removal of old ag chemicals from farms. Support for nutrient management on farms.	Medium-high priority threats from agriculture and high priority threats from increased development in floodplain.	68 farms participate in HFCW program (track acres & specific data associated with activities farms are involved in - organic certification, nutrient mngt, chemical reduction, pesticide removal, etc.). GIS crop type data. Pesticide use by crop type. Storm event runoff data (pesticides, organic carbon, nutrients, optical properties).	Reduced amount of old ag chemicals removed from farms (2007-2012). Reduced nitrogen fertilizer use on hazelnut orchards. Reduced pesticide use on hazelnut orchards. Increased number of farmers participating in workshops. Increased organic certification of farms. Increased farmer and buyer interest in sourcing locally grown food. Pesticides found in storm event runoff from ag fields.	OSU, OSU Extension, USDA NRCS, Northwest Coalition for Alternatives to Pesticides. Willamette Farm & Food Coalition, LCC, U of O, Meyer Memorial Trust, Cascade Pacific RC&D, Upper Willamette SWCD, McKenzie River Trust, McKenzie Watershed Council, Oregon Tilth, Oregon Hazelnut Commission
Healthy Forests Clean Water Program	Develop a watershed forestry approach that increases conservation-based forestry, reduces wildfire risk, reduces chemical use while increasing the economic viability of forestry to keep forestland as a preferred land cover.	USFS Stewardship Contracting Program. Leaburg Demonstration Forest. Wildfire prevention and response efforts (participation on East lane Forest Protection Association Board). Watershed forestry summit. GIS tracking of timber harvest and chemical applications.	Medium priority threats from industrial forest management activities and low priority threats from USFS/BLM forest management activities. High priority threats from increased development in F-2 forestlands (small woodlot owners).	GIS timber harvest locations/acres and pesticide and fertilizer application areas. Storm event runoff data (pesticides, organic carbon, nutrients, optical properties). USFS timber harvest activities.Wildfire activities and acres burned.	Increased timber harvests on private lands. Reduced timber harvests on federal lands (currently approximately 15% federal/85% private). Increased turbidity events in creek basins with significant logging (Quartz and Gate Creeks). Low levels of pesticides found in storm runoff from creek basins with spray activities.	USFS, Oregon Depaertment of Forestry, East Lane Forest Protection Association, OSU, U of O, McKenzie Watershed Council, McKenzie River Trust, Cascade Pacific RC&D, Oregon Wild, Cascadia Wildlands, Upper Willamette SWCD.

Program	Purpose/Objectives	Main Program Components	Threats Program Addresses	Data Collected/Used	General Trends/Oberservations	Active Partners
Septic System Assistance Program	Work with McKenzie homeowners and small communities to increase maintaince, repair and replacement of septic systems to ensure proper treatment of human waste.	(50%). Septic system repair and	High priority threats from septic systems and development.	All septic system locations (>4,100 septics). Locations and results of septic inspections (531 inspected), quantities of waste pumped at each system (196 systems pumped), reasons for need for repair or replacement of systems (109 systems failing) funded under SAP. Location, work done, and loan amounts under 0% interest loans. Water quality impacts from septic cluster areas (surface water and groundwater). Septic system repair, replacement or new installation permits.	Systems are old - average age of McKenzie septic systems inspected is 24 years (design to last 20-30 years). Areas with high densities of septics have higher water quality impacts. Homeowner education about septic maintenance needs is significantly increasing. More failing systems are found and moving toward repair or replacement. Development continues to occur with siting systems close to river.	McKenzie homeowners, Oregon DEQ, McKenzie septic contractors, Blue River Economic Development Corp., Blue River residents, LCC
Voluntary Incentives Program	Engage hundreds of landowners that own land in riparian forest areas and reward good stewardship that provides long-term protection of these critical areas while encouraging restoration of degraded riparian forests.	and mapping. LiDAR analysis of	High priority threats from development and septic systems, medium high priority associated with agriculture.	Modeled ripairan forest ecosystem boundary (>7,000 acres). Canopy cover in privately owned ripairan forest (44% good, 30% impacted, 26 signficantly degraded). House and structural foorprints for each building in watershed. Building permit activities and locations. Future build-out data. Landuse zoning and tax lot information.	Increased development over last 30 years on smaller lots close to river. Currently over 4,100 homes exist above intake with 200 homes in floodway and within 50 feet of river, over 680 homes are within 100 feet of river, 1,150 homes in 100-year floodplain. Future buildout indicates nearly 1,000 new homes can be built based on current zoning and development code with majority in floodplain.	OSU, U of O, McKenzie River Trust, McKenzie Watershed Council, Upper Willamette SWCD, LCOG, Cascade Pacific RC&D, USFS, Freshwater Trust, Landowners, Local businesses
Outdoor Education Program	Provide comprehensive outdoor education opportunities for K-12 students in McKenzie, Springfield and Eugene school districts and internship/research opportunities for U of O, OSU and LCC students associated with water quality, natural resource management and watershed sciences so the next generation of leaders are well versed in these complex issues and challenges.	Camp and Cedar Creek Education Basins. Berggren Demonstration Farm. Leaburg Demonstration Forest. River Observatory Project	High priority threats from development impacts and urban stormwater runoff, medium high pirority threats from agriculture and medium priority threats from forestry.	involved/educated. Number of	Reduced education funding, fewer teachers, increased class sizes means	McKenzie School District, 4J School District, Springfield School District, LCC, U of O, USGS, EWEB PIE and School Education Program, USFS, McKenzie Watershed Council, SUB, Lane County Education

Program	Purpose/Objectives	Main Program Components	Threats Program Addresses	Data Collected/Used	General Trends/Oberservations	Active Partners
Urban Runoff Mitigation Program	Work with City of Springfield to treat and reduce pollution impacts from stromwater runoff above EWEB's Hayden Bridge intake.	52nd Wetland Treatment Project. 42nd Street stormwater diversion project. Child care center stormwater treatment. Oregon Industrial Lumber stormwater runoff treatment.	, ,	GIS Springfield stormwater system infrastructure. City of Springfield Phase II NPDES permit plan activities. Water quality data collected and analyzed for 42nd Street, 52nd Street, 64th Street, 69th Street and 72nd Street stormwater channels and outfalls. Also monitoring WC impacts to Cedar Creek and keizer Slough.	pesticides, bacteria, nutrients and other contaminants in the watershed. Streams and river dilute these levels to	City of Springfield, SUB, McKenzie Watershed Council, ODOT, ODF&W, ODEQ, Rainbow Water District, International Paper, Weyerhauser, USGS, Springfield School District

Program McKenzie Watershed Emergency Response System (MWERS)	General 2012 Costs (O & M/Staff) \$37,000 (\$14K/\$23K)	2012 Outside Funding Leveraged ¹ \$5,000	& M/Staff)	Outside Funding Anticipated ² \$5,000	General 2014 Budget (O & M/Staff) \$52,000 (\$13K/\$39K) Anticipated 2014 Outside Funding = \$10,000	Long-term Funding Needs (Annual Staff Time and O & M Costs) \$55,000 - \$60,000 for training, drills, equipment, EWEB staff participation, GIS web application maintenance and upgrades	Region 2 HazMat leads drills, training, equipment maintenance. MWERS becomes regional system including metro area and Middle Fork Willamette (2nd Source). EWEB maintains GIS web application.	Close relationships with first responder community allows better coordinated responses to other disasters. Align budgets with partners to reduce costs to EWEB and partners. Reduced short and long term impacts and cleanup costs to drinking water source from spills.	Climate Change Impacts Anticipate more extreme weather events, better coordination with partners protects EWEB's infrastructure.
Water Quality Monitoring Program	\$209,000 (\$166K/\$53K)	\$66,000	\$198,000 (\$165K/\$33K)		\$169,000 (\$116K/\$53K) Anticipated 2014 Outside Funding = \$60,000	\$190,000 - \$220,000 for real-time sensors and monitoring equipment at key locations in watershed, maintenance and calibration of equipment, baseline monitoring. focused water quality investigations (as necessary), and data management and website update and maintenance.	Develop watershed monitoring network with partners that reduces costs while providing meaningful data to understand changes in water quality from landuse changes as well as climate change impacts. This may include real-time sensors and monitoring equipment at various locations in watershed that provides data to all partners.	Develop less expensive surrogate measurements for water quality that allow spatially more robust monitoring of watershed water quality and health, which would focus more in-depth investigations as necessary. Leverage partnerships to assist with funding, data management and equipment	Allows documentation of changes in watershed conditions over time that may inform design of mitigation and/or resiliency strategies for EWEB.
Healthy Farms Clean Water Program	\$189,000 (\$95K/\$94K)	\$168,000	\$124,000 (\$75K/\$49K)		\$126,000 (\$81K/\$45K) Anticipated 2014 Outside Funding = \$200,000	\$80,000 - \$100,000 for continued engagement and expansion of the HFCW Program to include placement of conservation easements to protect buffers, reducing risk for growers to transition to organic practices or reduce chemical use, and data management on agricultural activities and program impacts. These costs do not include devleopment of land acquisition program that would allow acquisition of key farmland properties, placement of conservation easements on critical areas for protection, then resaling properties to beginning farmers trained in water quality protection farming practices (\$100,000 - \$150,000/year).	Provide support for McKenzie agricultural community to reduce chemical use, increase buffers to protect riparian forests, increase economic viability by reducing operating costs (chemical, water & energy) and increasing revenue (local markets that pay more, organic certification, new crops).	Reduces amount of pesticides, nutrients, bacteria and other contaminants that impact EWEB's treatment capabilities and/or DBP formation (avoid future regulatory and treatment costs). Increased economic development for McKenzie and Eugene community by protecting farmland, protecting riprian forests and encouraging local markets that increase local economic activity. Reduce conversion of farmland to housing development.	·

Program	General 2012 Costs (O & M/Staff)	2012 Outside Funding Leveraged ¹	General 2013 Budget (O & M/Staff)	Outside	Budget (O & M/Staff)	Long-term Funding Needs (Annual Staff Time and O & M Costs)	Long Term Objectives	Long Term Benefits	Climate Change Impacts
Healthy Forests Clean Water Program	\$42,000 (\$14K/\$28K)	\$19,000	\$65,000 (\$30K/\$35K)	\$10,000	\$78,000 (\$30K/\$48K) Anticipated 2014 Funding = \$250,000	\$80,000 - \$90,000 for continued engagement in Stewardship Contracting collaborative, Leaburg Forest management, and working with industiral timber to increase buffers and reduce chemical use. These costs do not include development of land acquisition program that would allow acquisition of key forestland properties that could generate revenue via carbon market and conservation focused timber harvests (\$100,000 - \$150,000).	Develop watershed forestry collaborative that helps guide and support increased restorative harvests on USFS and BLM land while providing incentives for industrial and private forest owners to incorporate more conservation forestry that reduces chemical use and diversifies income streams while protecting riparian forests.	and sustainable timber harvests from federal forests in a way that benefits watershed health and restoration. Diversifies private forest management to provide income from carbon/conservation based forestry. Improves local economic conditions in watershed and Eugene community. Reduces conversion of F-2 forestland to housing development. Avoided	sequestration and builds the local economy around more restorative forestry, conservation markets and local supply
Septic System Assistance Program	\$26,000 (\$10K/\$16K)	\$10,000	\$22,000 (\$12K/\$10K)	\$10,000	\$37,000 (\$22K/\$15K) Anticipated 2014 Funding = \$20,000	\$40,000 - \$45,000 for continuing cost share program. EWEB investment in Blue River community septic treatment project would require \$50,000 - \$100,000. Assumes continuation of revolving loan program.	Education of homeowners on maintenance and care of septic systems leads to proactive repair and replacement of failing systems to reduce risks from untreated sewage inputs in river.	Development of community septic treatment solutions reduces risks from clusters of individual systems and increases economic development in communities like Blue River that are limited by each tax lot having a spetic system. Reduced water quality impacts and better awareness of homeowners around good stewardship responsibilities. Avoided future treatment costs associated with increased DBPs, pharmacueticals and perssonal care products.	Reduce nutirent loads to river as increasing temperatures could lead to more algal blooms.
Voluntary Incentives Program	\$ 179,000 (\$84K/\$95K)	\$350,000	\$155,000 (\$70K/\$85K)		\$195,000 (\$130K/\$65K) Anticipated 2014 Outside Funding = \$250,000	\$250,000 - \$275,000 for developing program that protects healthy riparian forests by providing incentives to landowners in return for long-term protection and restoration of these critical areas for water quality.	Provide incentives for good stewardship that educates landowners along the river, allows protection of nearly 3,000 acres of healthy riparian forests while providing opportunity to restore a large portion of the over 4,000 acres of degraded riparian forests.	Riparian forests provide critical fundtions for continued clean water including pollution filtration, septic waste uptake via root systems, erosion control, flood mitigation, temperature control to reduce algal growth, ESA fish habitat (helps EWEB hydroelectric projects). Provides education of hundreds of landowners along the river about what good stewardship is. Reduces future development in these critical areas. Economic development and increased capacity of partner organizations to work with landowners. Engagement of businesses sponsorship and outside investment in McKenzie. Avoided/reduced future treatment costs	Increased watershed resiliency by protecting riparian forests in face o more extreme weather events. Reduced property damage and flushing of contaminants into river. Mitigation of increasing temperatures reducing algal bloom impacts and formation of DBPs.

Water Funded

Electric Funded

\$609,179

\$99,821

Program	General 2012 Costs (O & M/Staff)	2012 Outside Funding Leveraged ¹	General 2013 Budget (O & M/Staff)	0	General 2014 Budget (O & M/Staff)	Long-term Funding Needs (Annual Staff Time and O & M Costs)	Long Term Objectives	Long Term Benefits	Climate Change Impacts
Outdoor Education Program	\$32,000 (\$20K/\$12,K)	\$12,000	\$41,000 (\$21K/\$20K)	\$23,000	\$25,000 (\$10K/\$15K) Anticipated 2014 Outside Funding = \$50,000	\$40,000 - \$60,000 for assisting with funding for outdoor education basin coordinators that work directly with schools and teachers to incorporate water quality monitoring, field chemistry, field biology, geography (GIS and mapping), statistical analysis into classroom instruction. Student stipends for internships and some funding for research projects that directly benefit watershed protection efforts. Funds would also help maintain database and websites that house student data for analysis.	Integrate and align funding from local, state, and federal partners to create outdoor education creek basins for each area high school that build on data collected by former student teams. Connect and align specific partner agencies and organization monitoring needs with student water qualtiy monitoring teams so data collected and analyzed helps fill these needs and attract funding support. Integrate with LCC and U of O research and internship programs to conduct deeper analysis of watershed characteristics and science that mentors and benefits high schools students and agency partners.	Provides comprehensive education opportunties around watershed science, water quality and natural resource management that helps prepare community youth for future careers and understanding the complexities of developing long term solutions in the face of changing climates. Short term benefits are having focused work in various creek basins that lead to research and deeper thinking around problems and solutions. Long term benefits are developing the next generation of leaders that are interested and trained in these issues and can develop solutions that benefit EWEB and the community.	watershed issues in the face of a changing climate. Can provide lon term data sets in various creek basins that can be used to see impacts from climate change over time and help develop
Urban Runoff Mitigation Program	\$5,000 (\$0/\$5K)	\$0	\$23,000 (\$10K/\$13K)	\$40,000	\$46,000 (\$15K/\$31K) Anticipated 2014 Outside Funding = \$40,000	\$50,000 - \$70,000 for assisting with development of other wetland treatment buffers upstream on 52nd Street, diverting 42nd Street stormwater to Q Street channel, and working with Child Care Center and Oregon Industrial Lumber to mitigate stormwater runoff. Track City of Springfield storwater mitigation activities, comment on NPDES permit renewal and coordinate with SUB on other stormwater issues.	Springfield to prioritize stromwater treatment and mitigation efforts for systems that discharge upstream of intake. Align and leverage funding to increase development of treatment projects and landowner education	Development of stormwater treatment structures (e.g., wetlands, bio swales, infiltration galleries, stormwater diversions, etc.) removes contaminants and provides buffers to McKenzie River during storm event flushes and spills to stormwater drains. Avoids/reduces future treatment costs and regulatory costs.	Provides more resiliency and treatment during extreme events that flush pollutants from urban areas. Lowers water temperatures and reduces algal blooms that can lead to DBP formation.
TOTALS	\$709,000	\$630,000	\$668,940	\$504,000	\$728,000				

2014 Outside Funding = \$880,000

\$473,500

\$254,500

\$476,400

192,540

¹ - Leveraged funds from outside agencies and partners includes only cash and not in-kind services (i.e., under estimates true leveraged resources).