

W. Va. Code §22-15-5

**Rehabilitation Environmental Action Plan (REAP)
FIVE-YEAR Report for FY2013-FY2017**

The Rehabilitation Environmental Action Plan – The Next Generation strives to cleanup West Virginia, rid the state of unsightly litter. REAP initiative harbors all of the state cleanup programs within West Virginia Department of Environmental Protection that includes Pollution Prevention and Open Dump, Make-It-Shine, Adopt-A-Highway/Adopt-A-Spot, Clean Streams Initiative, Statewide Recycling and Operation Wildflower programs. REAP focuses on cleanup efforts from both program staff and volunteers statewide. In a unique partnership, the program empowers citizens to take ownership of their communities by providing technical, financial, and resource assistance in cleanup efforts. **Figure 1** below is an overview of REAP accomplishments for this reporting period.

Figure 1:

	REAP Total 2013	REAP Total 2014	REAP Total 2015	REAP Total 2016	REAP Total 2017	FIVE YEAR COMBINED TOTAL
<i>Dumps eradicated</i>	1,443	1,158	1,457	1,273	1,419	6,750
<i>Acres reclaimed</i>	1,691	1,740	2,069	1,368	1,503	8,371
<i>Miles roadway cleaned</i>	4,904	3,361	2,898	2,792	2,897	16,852
<i>Miles stream cleaned</i>	182	180	180	200	435	1,177
<i>Acres park cleaned</i>	340	683	683	167	294	2,167
<i>Miles trail cleaned</i>	45	45	45	25	75	235
<i>Active AAH groups</i>	828	796	1,453	697	660	4,434
<i>OWF plots</i>	123	104	121	112	112	572
<i>Tons litter/waste collected</i>	5,866	5,113	3,693	5,592	3,974	24,238
<i>Tons scrap recycled</i>	169	197	120	45	17	548
<i>Appliances recycled</i>	366	424	411	65	206	1,472
<i>Waste tires collected</i>	307,699	258,568	317,155	245,036	302,517	1,430,975
<i>Tons office paper recycled</i>	265	325	322	145	90	1,147
<i>Volunteers participating</i>	30,643	18,607	17,258	17,549	15,488	99,545
<i>Recycling Grants Awarded</i>	\$1.425 million	\$1,952,239.00	\$1,722,573.47	\$2,200,000.00	\$1,856,210.36	\$7,731,022.83
<i>CED Grants Awarded</i>	\$173,200.00	\$154,030.00	\$183,416.00	\$177,090.46	\$108,341.23	\$796,077.69
<i>Litter Control Grants</i>	\$60,530.00	\$63,195.00	\$54,518.47	\$71,696.49	\$65,662.23	\$315,602.19
<i>Recycling Bin Loan Program</i>	10	4.00	0.00	0.00	0.00	14

Summary of REAP Programs

Recycling Assistance Grant Program:

A statewide grant program that encourages recycling for businesses, governmental agencies and individuals. Through education and funding opportunities, the recycling program hopes to reduce the amount of recyclables going to West Virginia landfills. The program offers recycling grants to county, municipal, public or private entities. Grants of up to \$150,000 are available for implementing recycling programs, developing educational campaigns and purchasing recycling equipment. (W. Va. Code §22-15A-19; 33 CSR 10)

Litter Control Grant Program

Litter Control Grants are offered to local governments with an interest in developing and implementing a litter control program. The annual grants are funded through civil penalties for litter. The Litter Control Grant is a matching fund that assists municipalities and county government agencies with community cleanup and litter enforcement projects. (W. Va. Code §22-15A-3(d); 33 CSR 41)

Covered Electronic Devices (CED) Manufacturer Registration and Takeback/Recycling Program:

Senate Bill 746, which became effective June 6, 2008, requires each manufacturer wishing to sell or lease covered electronic devices to register with the West Virginia Department of Environmental Protection no later than the first day of January 2009 and each year thereafter. The goal of this law is to establish a registration process for manufacturers of covered electronic devices, to determine if manufacturers has adopted or implemented a takeback/recycling program for their products that is free to the public and to award recycling grants to counties and municipalities for recycling or other programs that divert covered electronic devices from the waste stream. (W. Va. Code §22-15A-24 through W. Va. Code §22-15A-28)

The Covered Electronic Devices (CED) Recycling Program:

The CED Recycling Grants were established from the registration fees collected from the CED Manufacturer Program and is made available to municipalities, county commissions or county solid waste authorities to establish collection and recycling programs to divert electronic devices from the waste stream. (W. Va. Code §22-15A-25; 33 CSR 11)

The Pollution Prevention and Open Dump (PPOD) Program:

Through W. Va. Code §22-15A-7, the PPOD Program encourages proper disposal of commercial and residential solid waste and to undertake the identification cleanup and reclamation of illegal solid waste dump sites and waste tire piles to minimize or mitigate damage to the environment, natural resources, public water supplies, water resources, as well as public health, safety, and welfare.

PPOD is also responsible for conducting at least one tire collection event in every county each year through the Waste Tire Remediation Program, in accordance with W. Va. Code §22-15A-8 through W. Va. Code §22-15A-14, to remediate waste tire piles. PPOD cleanups are conducted by DEP staff and contractors specializing in open dump removal and reclamation, remediation of waste tire piles and administration of the tire collection/disposal program.

The Make It Shine (MIS) Program:

Established by Executive Order under Governor Caperton, The WV Make It Shine Program (MIS) is a program designed to work with businesses, community organizations, other state agencies, local governments and volunteer groups to facilitate cleaning, beautification and maintenance of public lands in the state. It is the responsibility of MIS to coordinate the efforts of these groups and provide them with the resources to help improve and maintain the quality of life of our citizens, pursuant to W. Va. Code §22-1-1 and W. Va. Code §22-15A-1. The Make It Shine Program is designed and ever-evolving to help meet many goals of W. Va. Code §22-15A.

MIS sponsors or co-sponsors four main events each year: the MIS Statewide Cleanup, the MIS Earth Day Celebration at the Clay Center, The Ohio River Sweep (the largest cleanup of its kind in the US) and the Great Kanawha River Cleanup. In addition to these events, MIS participates in a variety of additional outreach and cleanup events as requested by other agencies, educators, and volunteer groups. MIS sponsors an Environmental Teach of the Year award to encourage educators to incorporate environmental lectures and activities in the classroom.

Additionally, the Clean Streams Initiative is a partnership between PPOD and Make It Shine. This program enables citizens to adopt and clean up stretches of their local streams. The Make It Shine Coordinator has also been tasked with coordinating Litter Control Officers around the state to identify problems, share information and keep online training up to date.

Adopt-A-Highway (AAH) Program and Adopt -A-Spot (AAS) Program:

As a result of W. Va. Code §17A-10-15 (the creation of the Highways Litter Control Fund), W. Va. Code §17-2A-21 authorizing Division of Highways to contract with the WV Department of Environmental Protection, inter-agency Memorandum of Agreement, and a long-standing partnership and working relationship between the WV Department of Environmental Protection and the WV

Division of Highways, this program encourages individuals, civic groups and businesses to adopt a two-mile stretch of highway and pick up litter a few times a year. AAH groups receive safety training, safety vests, garbage bags, and gloves for each cleanup. The Division of Highways removes the trash collected at each cleanup and honors each group with a set of signs bearing the name of the volunteer group. The signs are placed at the end of each adopted section. Residents age 12 and older are eligible to participate in the program.

Youngsters also have the opportunity to adopt a cleanup site. The AAS Program is open to residents of all ages interested in adopting up to 1/4 -mile stretch of road in their communities. The adopted spot may be around a local school, near a park, or alongside a local road. Groups will receive a sign at their adopted spot. Volunteer participation greatly reduces costs that burdens the State of WV in maintaining a clean state.

Operation Wildflower:

Citizens may select a site along a West Virginia road for wildflower plantings at a maintenance cost of \$300 per half acre for a period of three years. The REAP office will manage participation in the program and the Department of Transportation will plant and maintain the site for the period and place an Operation Wildflower sign with the name of the Sponsor’s choice. Operation Wildflower plots, along with litter removal, help to beautify WV highways traveled by citizens and tourists alike.

The Litter Control Fund, Grant Program, and Government Recycling

Pursuant to W. Va. Code §22-15A-4d, this special revenue fund receives fifty percent of litter violation civil penalties. Revenue generated from the Office Paper Recycling Program a program implemented to encourage government recycling according to W. Va. Code §22-15A-5c) and any revenue from recycling of metals in REAP cleanup projects are also deposited into this fund. Please see **Figure 2** for the total amounts available annually for the Litter Control Fund. In Fiscal Year 2016, the REAP Office began requesting information from the State Treasurer’s Office for data pertaining to the origins of revenue from litter violation civil penalties are listed in **Figure 3**. A breakdown of the paper recycling revenue portion is shown in **Figure 4**. REAP ensures that a contract is in place for local government office paper recycling and notifies known agencies of the services to encourage those facilities to participate in waste reduction.

Figure 2:

LITTER CONTROL FUND

YEAR	Prior Year Funds	Revenue from Civil Penalties	Revenue from Metal & Office Paper Recycling	Total Amount Available per Year
2013		\$58,832.36		\$58,832.36
2014		\$47,682.59	\$984.46	\$48,667.05
2015	\$5,403.64	\$35,590.94	\$6,881.20	\$47,875.78
2016	\$11,448.87	\$32,336.83	\$3,521.87	\$47,307.57
2017	\$15,335.78	\$32,862.95	\$0.00	\$48,198.73
		Total Civil Penalty Revenue	Total Recycling Revenue	Total 5-Year Combined Revenue
		\$207,305.67	\$6,058.97	\$213,364.64

Figure 3:

LITTER CONTROL FUND REVENUE FROM 50% OF CIVIL PENALTIES			
Entity	Total 2016 Revenue	Total 2017 Revenue	Total Amount Per Entity Submitted to Litter Control Fund
Barbour	\$200.02	\$100.00	\$300.02
Beckley	\$650.00	\$450.00	\$1,100.00
Berkeley	\$250.00	\$200.00	\$450.00
Bramwell	\$40.00	\$0.00	\$40.00
Brooke	\$600.02	\$700.02	\$1,300.04
Cabell	\$400.00	\$400.00	\$800.00
Calhoun	\$91.06	\$0.00	\$91.06
Camden-on-r	\$0.00	\$40.00	\$40.00
Charles Town	\$50.00	\$250.00	\$300.00
Charleston	\$71.50	\$25.00	\$96.50
Clay	\$1,000.04	\$859.52	\$1,859.56
Doddridge	\$669.76	\$91.06	\$760.82
Fayette	\$150.00	\$400.00	\$550.00
Gilmer	\$100.00	\$100.00	\$200.00
Glasgow	\$0.00	\$63.00	\$63.00
Grant	\$259.54	\$210.26	\$469.80
Greenbrier	\$339.76	\$460.26	\$800.02
Hampshire	\$2,022.62	\$1,072.40	\$3,095.02
Hancock	\$239.46	\$349.76	\$589.22
Hardy	\$1,450.00	\$850.00	\$2,300.00
Hinton	\$0.00	\$106.00	\$106.00
Harrison	\$400.00	\$600.00	\$1,000.00
Jackson	\$754.76	\$323.26	\$1,078.02
Jefferson	\$750.00	\$300.00	\$1,050.00
Kanawha	\$912.00	\$5,135.00	\$6,047.00
Kenova	\$0.00	\$2.00	\$2.00
Lewis	\$540.26	\$300.00	\$840.26
Lincoln	\$389.78	\$0.00	\$389.78
Logan	\$550.00	\$0.00	\$550.00
Mannington	\$0.00	\$50.00	\$50.00
Marion	\$1,100.02	\$1,400.00	\$2,500.02
Marshall	\$400.00	\$350.00	\$750.00
Mason	\$300.00	\$200.00	\$500.00
McDowell	\$850.02	\$0.00	\$850.02
Mercer	\$450.00	\$600.00	\$1,050.00
Milton	\$0.00	\$0.00	\$0.00
Mineral	\$150.00	\$388.00	\$538.00
Mingo	\$452.00	\$0.00	\$452.00
Monongalia	\$1,200.00	\$450.00	\$1,650.00
Monroe	\$50.00	\$0.00	\$50.00
Morgan	\$0.00	\$100.00	\$100.00
Nicholas	\$1,855.04	\$860.26	\$2,715.30
Ohio	\$100.00	\$100.00	\$200.00
Parkersburg	\$0.00	\$0.00	\$0.00
Pendleton	\$100.00	\$100.00	\$200.00
Piedmont	\$0.00	\$240.00	\$240.00
Pleasants	\$44.00	\$0.00	\$44.00
Pocahontas	\$0.00	\$200.00	\$200.00
Preston	\$1,500.00	\$890.00	\$2,390.00
Putnam	\$550.00	\$200.00	\$750.00
Raleigh	\$2,105.24	\$3,239.80	\$5,345.04
Randolph	\$1,339.50	\$850.00	\$2,189.50
Ripley	\$0.00	\$94.00	\$94.00
Ritchie	\$439.76	\$188.25	\$628.01
Roane	\$560.28	\$0.00	\$560.28
Stonewood	\$0.00	\$100.00	\$100.00
Summers	\$100.02	\$100.00	\$200.02
Taylor	\$500.00	\$400.02	\$900.02
Tucker	\$400.00	\$214.26	\$614.26
Tyler	\$400.04	\$421.78	\$821.82
Upshur	\$300.00	\$700.00	\$1,000.00
War	\$160.00	\$0.00	\$160.00
Wayne	\$100.00	\$380.00	\$480.00
Webster	\$750.02	\$1,000.00	\$1,750.02
Wellsburg	\$0.00	\$200.00	\$200.00
Weston	\$1,480.00	\$0.00	\$1,480.00
Wetzel	\$400.02	\$350.00	\$750.02
Wirt	\$150.00	\$0.00	\$150.00
Wood	\$400.00	\$550.00	\$950.00
Wyoming	\$770.76	\$529.30	\$1,300.06

Figure 4:

Annual Office Paper Recycling Program Revenue

Year	Annual Revenue
FY2013	\$4,195.87
FY2014	\$5,275.11
FY2015	\$6,881.20
FY2016	\$3,520.67
FY2017	\$0.00

The Litter Control Grant Program established by W. Va. Code §22-15A-3(f) must distribute at least half of Litter Control Fund to counties and municipalities for the initiation and administration of litter control programs. The litter control fund is also intended for annual disbursement for projected costs of jail or prison inmate litter cleanup programs. Due to the evident deficiency of funds to support such programs across the state, and other revenue options for inmate programs, the Litter Control Grant Program is used as the sole method of this fund to control disbursement for litter control programs and inmate cleanup programs. Administrative costs are not provided by the Litter Control Fund. **Figure 5** summarizes the grant applicants that utilized this fund for programs related to inmate cleanup programs. Another REAP program, The Pollution Prevention and Open Dump Program (PPOD), has provided support and resources to further assist in litter cleanup projects and maximize efficient use of the Litter Control Fund such as providing supplies and landfill fees. A summary of PPOD assistance for inmate/day report cleanup programs is provided in **Figure 6**.

Figure 5:

FY2017-FY2013 Litter Control Grants for Day Report and Community Service Programs

FY2017		
Applicant	Tentative Amount Awarded	Purpose
Jefferson County SWA	\$1,165.13	To fund gloves, insect repellent and bags for litter pick-ups. Works with Jefferson County Sheriff to assist with transportation and supervision of litter pick-ups by individuals required to complete community service and investigate littering and illegal dumps.
Webster County Commission	\$3,000.00	To fund Litter Control Officer salary and benefits employed to supervise volunteers or individuals who are sentenced to community services to pick up trash along road ways and other areas.
Wood County SWA	\$1,212.50	To fund picksticks, wonder gloves and trash bags for volunteer community groups and Wood County Day Report Center individuals performing community service hours.
FY2016		
Lincoln County Commission	\$3,000.00	To fund litter control officer wages to work in conjunction with the Lincoln County Community Correction's Supervisor by monitoring dumpsites by inspecting for evidence to submit to Lincoln County Magistrates.
Marion County SWA	\$3,000.00	To fund educational items and supplies, litter cameras and advertising for the county litter control program. Marion SWA and Litter Control Officers have scheduled cleanups to work with DNR with the assistance of Marion County's Day Report Program.
Mason County Commission	\$2,992.50	To fund weekly litter control projects using County Day Report Center and County Drug Court.
Mercer County SWA	\$3,000.00	To fund litter disposal from the County Day Report Center and volunteer cleanups.
Monroe County SWA	\$1,600.00	To fund fuel, maintenance and vehicle insurance for the county Day Report Center cleanup program.
Montgomery, City of	\$2,400.00	To fund structure razing using prison labor.
FY2015		
Mason County Commission	\$1,200.00	Equipment and fuel for the Day Report Center Cleanup Program.
Monroe County SWA	\$1,366.00	To fund fuel and vehicle insurance for the Day Report Litter Program.
Wood County SWA	\$926.38	To fund safety vests and a winch with accessories to be used for Day Report Center cleanups.
FY2014		
Monroe County SWA	\$3,000.00	To fund fuel for the county-wide cleanup program utilizing day report personnel.
Webster County Commission	\$3,000.00	To fund Litter Control Officer wages to supervise volunteers and individuals serving community service.
Wood County SWA	\$3,000.00	To fund work gloves, safety vests, dust respirators and a solar battery charger for the ongoing county-wide cleanup program working with Day Report Center.
FY2013		
Mason County Commission	\$2,000.00	To fund litter receptacles, educational materials and fuel for the day report cleanup program.
Mercer County SWA	\$3,000.00	To fund safety supplies, equipment and trailer tires for the day report cleanup program.
Morgan County Commission	\$2,460.00	To fund litter signage, sanitary services and trailer for the day report program
Putnam County Commission	\$3,000.00	To fund Trailer, safety and storage supplies for the day report cleanup program.
Webster County SWA	\$3,000.00	To fund litter control officer salary (supervises court ordered community service cleanup).

Figure 6:

Pollution Prevention and Open Dump Assistance for Inmate/Day Report Programs

Eastern District						
County	Day Report	Community Service - Home Confinement	Inmate	Enforcement	PPOD Assistance	Description
Hampshire	x			Sheriff's Office	bags, gloves and supervisor wages	Provide supplies and pay for supervisor to be onsite. County covers disposal.
Northern District						
Harrison				Officer	bag, gloves	Uses an officer part-time to do litter
Lewis	x			DNR		DNR is in process of establishing
Marion	x			Litter Control Officer	bags, gloves and disposal	Provide bags, gloves and pickers.
Preston				Litter Control Officer	bags and gloves	Full - time Litter Control Officer
Taylor	x			Day Report Center	bag, gloves and pickers	Provide bags, gloves and pickers.
Southern District						
Boone	x					Starting a more cleanup oriented Day Report Crew. County Commission,
Fayette	x			Litter Control Office and Solid Waste Authroity	bags, gloves and disposal	SWA employees and Litter Control Officer works with the Day Report Center 2 to 3 days a week.
Logan	x			Day Report Center	bags, gloves and disposal	Day Report does some litter roadside cleanup along with a Make It Shine
McDowell			x	Stephens Facility (DOC)	bags, gloves and disposal	County worked with the state run Stephens Facility (DOC) to have a crew picking up litter along all major
Mercer	x			Day Report Center		Mercer County Day Report does some roadside pickup along with an
Mingo		x		Commission over Home Confinement	bags, gloves and disposal	County Commission is in the process of reconstructing their litter crew. They work home confinement but may
Monroe		x			bags, gloves and disposal	Weekend Community Service crew
Nicholas	x			Day Report Center	bags, gloves and disposal	Day Report does most of work on
Raleigh	x			SWA Litter Control Officer	bags, gloves and disposal	Uses Day Report occasionally to clean up small open dumps in conjunction
Wyoming	x			Commission	bags, gloves and disposal	Uses Day Report to man two crews. On crew is headed by the SWA and the other by Day Report. Most active of all
Western District						
Kanawha	x			Sheriff's Office	bags and gloves	Provide supplies.
Lincoln			x	Lincoln Community Corrections	bags, gloves, disposal and supervisor wages	Pays for a supervisor and provides supplies.
Mason	x			Day Report Center	bags and gloves	Provide supplies.
Putnam	x			Day Report Center	bags and gloves	Provide supplies.
Wayne	x			Day Report Center	bags, gloves and disposal	Provide supplies and disposal charges.
Wayne (2)				Wayne County SWA	bags, gloves, disposal, crew and truck	Provide supplies , disposal charges, work crew and truck usage.

Despite the minimal revenue of which the grant program has to disburse annually, this small grant program has proven to be a powerful tool in assisting local governments in combating common litter problems and cleanup efforts. Below is a summary of compoundable data of litter impact reported by the Litter Control Grantees from FY2013 through FY2017 in **Figure 7**. This data was not included in the accomplishments in Figure 1. Common uses of the grant fund observed may include fuel expenses, wages paid to litter control officers or cleanup crew supervisors, uniform items, equipment such as trailers, maintenance for vehicles such as tires, supplies, landfill fees for litter collected, dumpster rentals, advertisements, anti-litter campaign materials and litter receptacles.

Figure 7:

LITTER CONTROL GRANT REPORTED DATA	
Tons of litter collected	12582.37
Bags of litter collected	2930
Cubic Yards of litter collected	2732
Entities used grant for litter receptacles	11
No. of Volunteers & Labor Hours	605 volunteers 1506.5 hours
Community Cleanup Events	15
No. of Dilapidated Structures Razed	26

Litter Control Fund Projection:

The next cycle of Litter Control Grants (FY2019) will be the first cycle of grants with a maximum request of \$5,000; formerly the maximum request was \$3,000. After obtaining a new office paper recycling contract that became effective in March of 2017, we had anticipated to see a small increase in funds to apply toward grants due to the new rate of \$40 per ton of paper that would be paid to the fund by the new vendor compared to the old rate of \$20.02 or \$0.00. The vendor now pays quarterly, and the first payment would be received in FY2018. Unfortunately, it has come to light in FY2018 that the fund will suffer a revenue loss from the 50% civil penalty portion. After House Bill 2303 changed civil penalties from \$200 to \$2,000, we are observing that the new higher civil penalty is being issued far less frequently than before. One Solid Waste Authority personnel who is involved in litter control implementation reported to us that their local magistrates are reluctant to issue civil penalties for minor litter offenses as \$2,000 is a high financial burden on already low income households. The litter control fund from the civil penalties portion may be at a 50% reduction for the FY2019 period compared to the prior period. Our office was notified by the Division of Natural Resources of negative impact as well. This issue will have to be visited in the near future.

Education and Outreach:

REAP and the Department of Education have seats on the of the Recycling Coalition of WV, Inc. State Steering Committee. This committee also includes members from the Solid Waste Management Board, DEP’s Youth Environmental Program, private and non-profit recyclers and waste management, and solid waste authorities. This committee focuses on education through Department of Education approved lesson plans, teacher and classroom incentives and awards, statewide publications, contests and special events. Information can be found on the Recycling Coalition of WV’s website at www.wvrecycles.com.

REAP has a strong presence throughout the state to educate and inform the State's youth and general public. REAP Staff attends many events throughout the state to promote environmental goals and make the public aware of our resources. The Make It Shine Program has reestablished the Environmental Teacher of the Year Award as an incentive for educators to implement lessons and activities relating to our mission. REAP has a partnership with another DEP program, the Youth Environmental Program (YEP). YEP has district coordinators that promote REAP programs and encourage recycling, waste reduction, litter prevention and cleanup, and other environmental issues. YEP conducts educational presentations for schools within their districts.

REAP updates, distributes and keeps stock of REAP program brochures for resource awareness, Litter Law brochures, children's educational activity books, recycling and managing waste booklets and guideline booklets for the litter control grant, covered electronic devices recycling grant and the WV Recycling Assistance grant program.