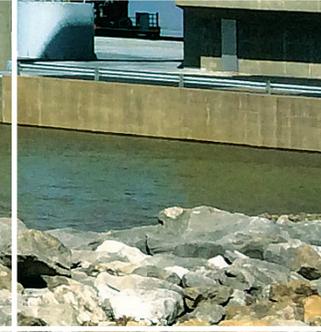


PRINCIPLES IN PRACTICE



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*On the cover: The Belleville Hydroelectric Facility  
From top: Napoleon Solar Facility; Landfill gas site in Oberlin;  
Efficiency Smart Automatic Feed project in Napoleon; AMP staff at the 2014 Day of Giving;  
Clifton Farm, Virginia, one of AMP's carbon offset mitigation projects;  
and the AMP wind farm in Bowling Green.*

## LETTER FROM THE PRESIDENT AND CHAIR OF THE BOARD OF TRUSTEES

*AMP is proud to release its 2014 Report on Sustainability, Principles in Practice. Since 2011, AMP has been using seven core principles to organize its approach to sustainability and this report reflects on those accomplishments.*

**Principles in Practice** also marks 10 years of sustainability-centered work at AMP. While a strong focus on sustainability is a requirement in today's market, our focus, initiated a decade ago, has AMP well positioned for the rapidly changing market and regulatory environment.

As the utility sector faces unparalleled transformation, we continue to focus on new ways to meet members' sustainability needs. This includes the use of renewable resources, provision of a diverse generation resource supply, mitigation of environmental risks and integration of new information technology services. Some highlights from 2014 include:

### DIVERSIFICATION AND REDUCED WHOLESALE MARKET EXPOSURE

AMP has undertaken strategic generation asset development efforts with new resources in four states. On average, these projects will reduce AMP members' energy market exposure to approximately 36 percent for an average portfolio and will result in a power supply portfolio that is more than 20 percent renewable when hydroelectric construction is complete.

### A BIG YEAR FOR HYDROELECTRIC CAPACITY

The four hydro projects under various stages of construction and commissioning will add more than 300 megawatts (MW) of new renewable generation to the region and represent the largest deployment of new run-of-the-river hydro in the nation.

### A SOLID FINANCIAL POSITION

In 2014, the organization had a system peak of 3,386 MW and sold 14 million MWh of energy. Power sales revenue for

the year was approximately \$1.012 billion with total assets of approximately \$5.6 billion.

### ENVIRONMENTAL COMPLIANCE AND ENVIRONMENTAL RISK MITIGATION

AMP maintains a robust environmental compliance and monitoring program, which minimizes potential risk and is coupled with a proactive approach to ongoing regulatory issues.

**Principles in Practice** has been designed as a companion to the other AMP and Efficiency Smart-prepared annual reports. We at AMP feel strongly about our role as a sustainability leader in the public power sector and as a resource to our members. In that context, we're committed to continuous improvement of our sustainability program and the proactive management of our principles. We look forward to more progress in the years ahead.

Mark S. Gerken, PE  
AMP President & CEO

Steve Dupee, AMP Board of Trustees  
Chair and Director of Oberlin Municipal  
Light & Power System



*Steve Dupee (left), AMP Board of Trustees chair and director of the Oberlin Municipal Light & Power System, and AMP President/CEO Marc Gerken view construction progress at AMP's Willow Island hydroelectric project.*

*AMP's 2014 Report on Sustainability, Principles in Practice, is focused on presenting information relating to its sustainability efforts from the 2014 calendar year and presented here with each guiding principle highlighted. AMP defines its "corporate sustainability" as a business approach that creates long-term member value by embracing opportunities and managing risks derived from economic, environmental and societal developments.*

## PRINCIPLE #1

### PROVIDING A BALANCED AND SUSTAINABLE POWER SUPPLY PORTFOLIO

AMP is committed to providing our members with a variety of options for meeting their power supply needs. This includes maintaining a balanced portfolio of generation projects, power purchase agreements, and a project development pipeline that includes cost-effective fuel and generation technology options. This also means using energy efficiency and load control as meaningful tools in power supply planning to reduce the need for new generation resources.

### PRINCIPLE #1 IN ACTION

#### BELLEVILLE

The success of AMP's Belleville hydroelectric facility was once again proven in 2014 – the second consecutive record-setting year of performance for the 42-MW facility. 2014 generation was 304,007 MWh, exceeding the previous record from 2013 by 7,773 MWh. With a capacity factor of 82.6 percent, Belleville generated 59,162 MWh more than the 1992 feasibility study projections and 50,477 MWh over its historical annual average.

#### HYDRO

In 2014, AMP continued to make strides in hydroelectric generation asset development. Hydro meets AMP's long-term sustainability goals by balancing economic, environmental and social considerations. AMP members recognize the benefits of hydro and the four projects under construction – Cannelton, Meldahl, Smithland and Willow Island – will add more than 300 MW of new hydro-power. This represents the largest deployment of new run-of-the-river hydro in the nation. By the end of 2014, both Cannelton and Meldahl projects



August 2014 construction at the Meldahl Hydroelectric facility is shown here. When completed, Meldahl will become the largest hydroelectric power plant on the Ohio River with an estimated capacity of 105 MW.

were watered up and beginning the commissioning phase. The Willow Island project was close behind and watertight by early 2015.

#### PHASE II SOLAR

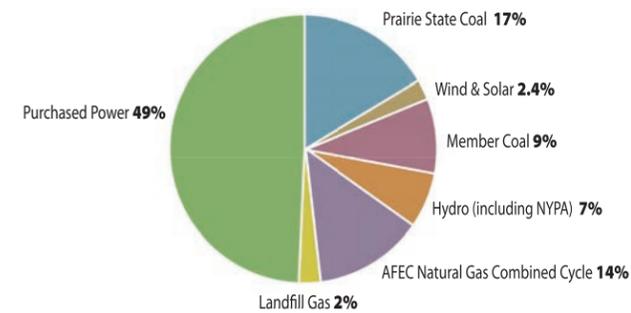
AMP completed preliminary work on a new solar Phase II project in 2014. The goal of the project is to build solar generation to meet a portion of AMP members' capacity and peak energy needs. Twenty-two behind-the-meter sites in member communities were identified as possible locations. The Phase II program would allow members to benefit from the renewable generation of solar energy, including transmission and capacity savings. Similar to the existing AMP CT, OMEGA JV2 and JV5 facilities, solar installations will be spread throughout AMP member communities. AMP members will have the opportunity to subscribe to a portion of shared renewable energy, capacity and transmission savings from these facilities, as well as an opportunity to install a small solar site within their community.



The Cannelton project in July 2014 is pictured. It is estimated that the Cannelton Project will generate an average gross annual output of about 458,000 MWh.

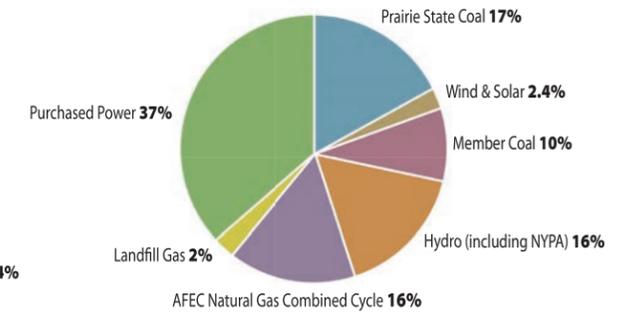
#### 2014 AMP MEMBER ENERGY RESOURCE MIX

(16,000,000 MWh)



#### 2017 AMP MEMBER PROJECTED ENERGY RESOURCE MIX

(16,800,000 MWh)



1. Member Coal includes Paducah and Princeton's Prairie State participation through KMPA.
2. Wind & Solar includes member-owned solar.
3. Hydro includes member-owned hydro.

The energy resource mix charts reflect a 12 percent decrease in purchased power by 2017. That is largely the result of the new hydroelectric assets, which are also helping increase the amount of energy produced by renewable resources to 20.4 percent of the 2017 mix.

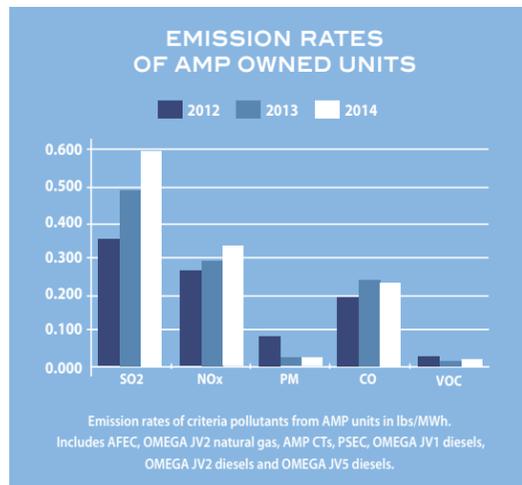
## PRINCIPLE #2 REDUCING OUR OVERALL EMISSIONS PROFILE

AMP is committed to reducing its overall emissions profile. Reductions of airborne emissions can be achieved through the use of efficient coal and natural gas and other lower- or zero-emission generation technologies (including hydroelectric and other renewables), supply-side or end-use efficiency improvements, and conservation activities. Improvements in energy and operational efficiency and use of efficient coal and natural gas technologies at the generation level will also reduce water usage and need for landfill space. Mindful that emissions of greenhouse gases (GHGs) will be limited at some point in the future, AMP will prudently invest in projects to offset carbon dioxide and other GHG emissions from our fossil generation resources. AMP also encourages efforts to account for and reduce GHG emissions by individual AMP member communities, which promotes balancing their system needs with other stewardship and customer values.

### PRINCIPLE #2 IN ACTION

#### PRAIRIE STATE CAMPUS

The Prairie State Energy Campus (PSEC) is the cleanest coal-fueled power plant in Illinois and one of the cleanest in the world. The facility is 82 percent below the U.S. coal plant average for sulfur dioxide (SO<sub>2</sub>) emissions. More than 2.5 million families across 180 communities from Missouri to Virginia are served by PSEC, which includes AMP and its 68 member participants. According to the Prairie State Generating Company, Prairie State was in full compliance with all state and federal permit limits in 2014, successfully removing 85 percent of nitrogen oxides, 98 percent of SO<sub>2</sub>, 99 percent of particulate matter and 90 percent of mercury.



ogy and Selective Catalytic Reduction (SCR), both of which reduce nitrous oxide (NO<sub>x</sub>) emissions. In 2014, a recycling program was implemented at AFEC with the help of a grant from the Ottawa-Sandusky-Seneca County Joint Solid Waste Management District Competitive Funding Grant Program. AFEC personnel are now able to divert paper, cardboard, plastic and cans from the local landfill, saving money and providing benefit to the local environment.

#### NAPOLEON SOLAR

AMP's Napoleon Solar Facility, which went online in August 2012, is a zero emissions project and has helped AMP establish a successful baseline for future solar endeavors. The facility generated 5,147 megawatt hours (MWh) in 2014. The 3.54-MW (AC) Napoleon facility is one of the largest solar projects in the state – consisting of 17,160 panels for a total direct current rating of 4.2 MW. Solar helps AMP continue its role as a regional leader in developing and deploying renewable generation.

#### AMP FREMONT ENERGY CENTER

The AMP Fremont Energy Center (AFEC), a high efficiency and state-of-the-art natural gas combined cycle facility, generates enough energy to power more than 500,000 homes. For emission control, AFEC uses dry combustion technol-

ogy and Selective Catalytic Reduction (SCR), both of which reduce nitrous oxide (NO<sub>x</sub>) emissions. In 2014, a recycling program was implemented at AFEC with the help of a grant from the Ottawa-Sandusky-Seneca County Joint Solid Waste Management District Competitive Funding Grant Program. AFEC personnel are now able to divert paper, cardboard, plastic and cans from the local landfill, saving money and providing benefit to the local environment.



The Napoleon Solar Facility is connected to the City of Napoleon's electric system, which provides transmission savings.

**PRINCIPLE #3**  
USING LESS

*AMP recognizes that electricity not generated – because it is not needed – yields the greatest environmental benefit and is essential to a truly sustainable business approach. Reducing electricity demand through innovative conservation efforts and efficiency improvements offered to AMP member communities will help conserve natural resources as well as reduce emissions. AMP will also promote the “reduce, reuse, recycle” principles of sustainability to its members and employees and throughout its operations.*

**PRINCIPLE #3 IN ACTION**

**EFFICIENCY SMART**

AMP and the Vermont Energy Investment Corporation (VEIC) executed a new contract to extend the operation of Efficiency Smart – AMP’s successful energy efficiency program. The 2011-2013 program verified savings were 121,016 MWh (or 150 percent of our three-year target of 80,633 MWh). The new contract began January 2014 and will run through December 2016. As of the end of the year (December 2014), there were 27 AMP member communities in Ohio and Pennsylvania participating in Efficiency Smart, and total claimed savings for the year were 21,794 MWh (or approximately 58 percent of the project’s three-year target of 37,477 MWh). For 2014, approximately 33 percent of participating communities had already met their three-year savings guarantee and approximately 15 percent of participating communities exceeded their three-year savings goal. More detailed information on Efficiency Smart and its ben-

efits to AMP members is available in the Efficiency Smart-prepared annual report (available under the “Sustainability” section at [amppartners.org](http://amppartners.org)). As of the printing of this report, Hamilton, Ohio, had become the 28th participant in the program in February 2015.

**AMP EFFICIENCY SMART PROGRAM**  
*Savings Achieved in 2014: 21,794 MW*

**% ACHIEVED OF THREE-YEAR GOAL (IN YEAR ONE):**  
**58%**

**PARTICIPATING AMP COMMUNITIES:**  
**27**

**TOTAL EMISSIONS REDUCED IN 2014:**  
**OVER 20,000 TONS CO<sub>2</sub>**

**TOTAL # OF COMMERCIAL AND INDUSTRIAL PROJECTS COMPLETED:**  
**280**

8,500 pounds of CO<sub>2</sub> emissions each year – the equivalent of not driving a car 10,000 miles. Visit [ecosmartchoice.org](http://ecosmartchoice.org) to learn more.

**ECOSMART CHOICE**

Eight communities joined AMP’s EcoSmart Choice program in 2014, with seven of the eight already signing up customers. For 2014, EcoSmart Choice had 10,000 MWh in green energy sales, exceeding 2013 sales by 4,339 MWh. EcoSmart Choice is a 100 percent renewable energy product available to residential, commercial and industrial customers of participating AMP member utilities. The average customer participating in the program at the 100 percent level can offset



*Brian O'Connell, Bowling Green director of utilities and member of the AMP Board of Trustees, discusses the success of the Efficiency Smart program during the 2014 AMP/OMEA Conference.*

**GREEN TEAM**

Formed in 2009, AMP’s Green Team is made up of staff members from across departments who work to evaluate and prioritize possible sustainability projects. In 2014, AMP headquarters recycled more than 21,000 pounds of paper and cardboard waste, and about 1,040 pounds of glass, plastic bottles, and aluminum and steel cans. The Green Team facilitated the installation of new efficient light-emitting-diode (LED) lighting and water-saving rest

room fixtures at AMP headquarters in 2014. The team will be calculating savings in 2015, in both dollar amounts and resources, to track the results of 2014 improvements. For AMP’s First Annual Lineworkers Rodeo in August 2014, the Green Team facilitated recycling efforts for the event by working with community partners who donated trash boxes and recycling bins. Green Team volunteers collected eight large bags of recycling at the Rodeo.

## PRINCIPLE #4 MAKING SMART INVESTMENTS

*AMP is faced with finding new power supply options to meet member needs.*

*Volatile energy markets and aging generation resources have spurred AMP to make smart investments in efficient coal, natural gas, hydroelectric, landfill gas, and solar generation assets to mitigate overexposure to the wholesale market. AMP will continue to pursue incorporating other cost-effective renewable resources as an important part of our generation portfolio and will endeavor to use any available favorable local, state, or federal regulatory treatment when siting and financing these projects.*

### PRINCIPLE #4 IN ACTION

#### RICHARD H. GORSUCH STATION

In the 2013 Sustainability Report, AMP covered the complete decommissioning activities at the site of the former Richard H. Gorsuch Station near Marietta, Ohio. Environmental restoration of the 45-acre site, which formerly hosted a 213-MW coal-fired generation facility that closed in 2010, was completed in 2014.

AMP is exploring options for the re-use of the site with JobsOhio, the Appalachian Partnership for Economic Growth and the South East Ohio Port Authority in Washington County. JobsOhio is focusing on use of a number of Ohio River sites as a multi-modal site with rail, river and highway access that can support economic growth for a variety of industries.

#### FINANCIAL STRENGTH

In February 2014, Moody's Investors Service released its entity or counterparty rating on AMP, reaffirming the organization's A1 rating (this rating was also reaffirmed in June 2015). The diligent work AMP and its members did to maintain creditworthiness will pay off in significant savings in power supply

costs, interest rates and borrowing costs over the long-term. Ratings affirmed on bonds for major generation projects in 2014 include:

- **Prairie State Energy Campus** – Fitch affirmed A rating in August, with a stable outlook.
- **AFEC** – Moody's Investors Service affirmed A1 rating in March, with a stable outlook. Fitch Ratings affirmed A rating in May, with a stable outlook.
- **Combined Hydro** – Fitch affirmed A rating in November, with a stable outlook. Standard & Poor's affirmed A rating in April, with a stable outlook.

AMP took advantage of an opportunity to save money for PSEC project participants through a refinancing in late December 2014. This action returns money to members in the form of lower rates and helps with their bottom line. Moody's Investors Service rated the new PSEC bonds at A1, with a stable outlook; Standard & Poor's rated the new bonds A, with a stable outlook; and Fitch Ratings rated the new bonds A, with a negative outlook.



*Options for re-use of the Gorsuch landfill site, located near Marietta, Ohio, are being researched.*

## PRINCIPLE #5 ASSISTING MEMBER COMMUNITIES

AMP member municipal electric systems are critical components in the success of the communities they serve. Investment of capital – both financial and human – in AMP member communities is essential to ensuring a good quality of life and encouraging economic development and growth. AMP provides ongoing employee training, safety instruction, project engineering, and other technical services to ensure that member communities have access to the most up-to-date services in these areas. Environmental enhancements (planting trees, creating green space, etc.) are also valuable assets to local communities, and AMP will provide technical support and work with interested member communities to identify energy efficiency, carbon management, and sustainable investment and development opportunities consistent with local needs.

### PRINCIPLE #5 IN ACTION

#### MEMBERSHIP

AMP finished out 2014 on a high note with the addition of Cannelton, Indiana, in December. Expanding the AMP membership brings additional strength through diversity and increased load. AMP's membership has grown by more than 60 percent since 2000. With the addition of Cannelton as AMP's 130th member, AMP added an eighth state to the organization's footprint. Cannelton increases the benefits of economies of scale in power supply and dispatch operations. AMP had gained familiarity with the Cannelton community over the past few years through the continued development of the Cannelton hydroelectric plant, located close by on the south side of the Cannelton Locks and Dam. The city is located in Perry County and has a population of approximately 1,560. The electric system was established in 1949 and serves 937 total meters. *As of the printing of this report, AMP has 132 members in nine states with the addition of Berlin, Maryland, and Benham, Kentucky in 2015.*

#### PROGRAM GRANT

AMP was awarded a \$10,000 Demonstration of Energy & Efficiency Developments (DEED) program grant from the American Public Power Association (APPA) in 2014. The grant allows AMP to expand an internal tool it developed

to assist AMP communities in creating their own sustainability reports. The program and templates will be designed to assist APPA members so they can more easily identify key sustainability metrics and develop their own sustainability reports. AMP's current program design for APPA focuses on air emissions related to electric generation. The contract was executed in late 2014 and AMP staff will continue program development with APPA to launch the program.

#### AMP PROGRAMS

AMP continued its extensive program offerings for members in communications and member relations, power supply planning, training, technical services/operations, finance, economic development, sustainability, advocacy and more. In 2014, AMP offered nearly 40 diverse services for members.

#### AMP LINeworkERS RODEO

AMP's inaugural Lineworkers Rodeo was held in August 2014, and more than 30 member lineworkers demonstrated their skill and knowledge during the event – the first of its kind for Central Ohio. The Rodeo was a great success and AMP plans to grow the event as it becomes an annual activity for the organization and its members.



Lineworkers compete in AMP's first annual Lineworkers Rodeo on Aug. 23, 2014, at AMP headquarters in Columbus.

#### PUBLIC POWER GOVERNANCE SERIES

More than 100 elected and appointed officials from 49 communities in Ohio, Pennsylvania, Michigan and Delaware completed AMP's Public Power Governance series in 2014. Several Ohio Municipal Electric Association (OMEA) honorary members also elected to participate. AMP developed the program to help meet the unique needs of public power governing board members in member communities. The 2014 training program sessions, which aimed to help local officials understand the complex industry issues that affect their utility and their responsibilities as policy makers, included Electric Utility 101, Electric Utility Governance, AMP Organizational Overview, Power Supply Overview, Financial, and Legislative/Regulatory.

#### RELIABLE PUBLIC POWER PROVIDERS

AMP members were once again recognized as Reliable Public Power Providers (RP3) by APPA this year for 2014-16. Wapakoneta and Cuyahoga Falls Electric System both received RP3 Diamond-level designation, awarded to utilities that successfully meet 98-100 percent of the RP3 Program criteria. Prior to 2014, the Piqua Municipal Power System was the only AMP member to receive this level of designation. Communities that achieve APPA's RP3 designation demonstrate proficiency in four important disciplines: reliability, safety, work force development, and system improvement. *See page 20 for a list of recipients.*

## PRINCIPLE #6 REACHING OUT TO STAKEHOLDERS

*AMP will reach out to other stakeholder entities – including (but not limited to) government, business, academia, media, and other organizations – to ensure that they understand AMP’s mission and vision and AMP’s approach to sustainability. This outreach is intended to help AMP identify potential future collaborative opportunities beyond those traditionally associated with providing electric power supply. AMP encourages member communities to identify potential partnership opportunities as well.*

### PRINCIPLE #6 IN ACTION

#### OUTREACH

Stakeholder outreach has been critical to ensure proper credit for AMP’s sustainability investments and AMP frequently meets with regulatory agencies and various organizations in order to gain a better understanding of emerging environmental regulation. AMP also has regular interaction with government officials regarding topics such as energy legislation and tax reform – emphasizing the effects of such topics on municipal electric systems.

#### REGULATIONS

In 2014, the U.S. Environmental Protection Agency (USEPA) issued its long-anticipated proposals for limiting carbon dioxide (CO<sub>2</sub>) emissions from existing, new and modified/reconstructed electric generating units (Clean Air Act Sections 111[b] and 111[d]). AMP met numerous times to discuss the issue with a variety groups, including the USEPA, Ohio EPA, Public Utilities Commission of Ohio, West Virginia Department of Environmental Protection, Kentucky Energy and Environmental Cabinet, investor-owned utilities, APPA, PJM Interconnection, and members of the House and Senate. *As of the printing of this report, USEPA issued the final rule in early August 2015 and staff is reviewing the extensive documentation and regulation.*



*LEFT: Ohio members meet with Sen. Rob Portman (R-OH) to discuss issues facing Ohio municipal electric systems during the 2015 American Public Power Association (APPA) Legislative Rally in Washington, D.C. BEHIND: Craig Butler, Ohio EPA director, discusses USEPA issues during a panel discussion at the 2014 AMP/OMEA Conference on Oct. 28.*

**PRINCIPLE #7**  
**LEADING BY EXAMPLE**

*AMP encourages its officers and employees to lead by example through increased efforts to reuse and recycle home and office products and conserve energy, both at home and in the workplace. To the extent practicable, AMP will strive to use its headquarters building to demonstrate the use of green materials and energy efficient products, thus leading by example. AMP will report its sustainability and environmental stewardship actions on both a quarterly and an annual basis and, where possible, measure its success in achieving the goals laid out by these Sustainability Principles.*

**PRINCIPLE #7 IN ACTION**

**CARBON OFFSETS**

In February 2014, AMP issued a request for proposals (RFP) for voluntary carbon market projects that were capable of generating carbon offsets in accordance with the various existing carbon offset standards, protocols and methodologies. AMP purchased a total of more than 250,000 tons of carbon offsets from landfill gas and forestry projects across five AMP member states in 2014. The carbon offset purchase is part of AMP's 0.5 percent fee assessed on AMP-owned fossil fuel generation. With many compliance regulations looming, AMP believes carbon offsets are an important venture and has established accounts with Climate Action Reserve and the Voluntary Carbon Standard to manage its offset portfolio. AMP plans to pursue a dual approach for carbon offsets in the future – both purchasing verified offsets and developing AMP-owned projects.

**DAY OF GIVING**

In September 2014, AMP staff volunteers helped Friends of the Lower Olentangy Watershed (FLOW) by picking up litter in Columbus' Rush Run Preserve for AMP's 2014 Day of Giving service event. AMP volunteers supported local watershed efforts and helped another local nonprofit meet its mission by collecting 45 bags of trash among other items. The annual Day of Giving demonstrates AMP's commitment to the community and epitomizes AMP's leadership by example.



**2014 CARBON OFFSET MITIGATION PROJECT**

Project	State	Type	Offset Standard	Vintage	Tons
Rockingham	VA	Landfill Methane	VCS	2011	29,857
Henrico	VA	Landfill Methane	VCS	2011	70,450
Clifton Farm	VA	Forest Conservation	CAR	2013	5,633
Clifton Farm	VA	Forest Conservation	CAR	2012	5,483
Rich Mountain	VA	Forest Conservation	CAR	2013	8,884
Rich Mountain	VA	Forest Conservation	CAR	2012	6,000
Big Run	KY	Landfill Methane	CAR	2014	29,000
Hardin	KY	Landfill Methane	CAR	2014	20,000
Central	MI	Landfill Methane	CAR	2014	24,000
Erie	OH	Landfill Methane	CAR	2014	26,000
Lancaster	PA	Landfill Methane	CAR	2014	25,800
					<b>251,107</b>

VCS: Voluntary Carbon Standard CAR: Climate Action Reserve

*LEFT: AMP's Senior Vice President of Generation Operations Scott Kiesewetter helps clean up Columbus' Rush Run Preserve during the 2014 AMP Day of Giving. BEHIND: Clinch Valley is part of the Clifton Farm site in Virginia, which is one of two forest conservation projects that AMP purchased credits from in 2014. Photo courtesy of The Nature Conservancy.*

In 2014, AMP members gaining Reliable Public Power Provider (RP3) recognition (awarded for the 2014-2016 time period) by the American Public Power Association included:

**DIAMOND LEVEL**

Cuyahoga Falls, Ohio  
Wapakoneta, Ohio

**PLATINUM LEVEL**

Bowling Green, Ohio  
Cleveland, Ohio  
Coldwater, Michigan

**GOLD LEVEL**

Tipp City, Ohio  
Marshall, Michigan  
Oberlin, Ohio  
Paducah, Kentucky  
Seaford, Delaware (DEMEC member)



The listed communities (left) joined the following eight AMP member communities who also held RP3 recognition in 2014 (awarded in 2013 for 2014-2015 period).

**DIAMOND LEVEL**

Piqua, Ohio

**PLATINUM LEVEL**

Bowling Green, Ohio  
Cleveland, Ohio  
Coldwater, Michigan

**GOLD LEVEL**

Dover, Ohio  
Ephrata, Pennsylvania  
New Martinsville, West Virginia  
Wyandotte, Michigan

—AWARDS TO MEMBER COMMUNITIES—

AMP presented awards and commendations to 24 member communities during the 2014 AMP/OMEA Conference. Communities and individuals who were recognized for their contributions in public power by AMP in 2014 are listed.

**AMP FINANCE AWARDS**

- Highest Credit Score Population 5,000 and over – City of Oberlin
- Highest Credit Score Population under 5,000 – Village of Clinton
- Most Improved Credit Score – Village of Pemberville

**AMP INNOVATION AWARD**

- Wadsworth Electric and Communications for its digital feeder optimization volt/var project

**AMP SYSTEM IMPROVEMENT AWARDS**

- Cuyahoga Falls Electric System for its Feeder 323 Recabling project
- Painesville Electric Division for the Northridge Substation project
- Wadsworth Electric and Communications for the Substation/Distribution Automation project
- Honorable mention: Bryan Municipal Utilities for the Lakeland Woods LED Streetlighting project and the Substation Inert Gas Automation
- Honorable mention: Dover Light and Power for the Boiler

Feeder project at the power plant and for the Gas Turbine Controls Package project

- Honorable mention: Genoa Municipal Utilities for the 3-Phase Meter Conversion project
- Honorable mention: Hudson Public Power for the Electric Grid Interconnect project and for the City Fiber Ring project

Honorable mention: Montpelier Municipal Electric System for the LED Lights and Cameras project

Honorable mention: Oberlin Municipal Light and Power System for the Power Plant Emission Control Improvement project

Honorable mention: St. Clairsville Light and Power for the AMI Metering project

Honorable mention: The City of Shelby Division of Electric and Telecommunications for the Back Lot Feeder Split/Fox Run Subdivision Project, the Electric AMR project and the 500 kW Diesel Generator project

**PUBLIC POWER PROMOTION AWARDS**

- Division 3: Hudson Public Power for the Safety Town Educational program

- Division 4: Cuyahoga Falls Electric System for the utility's 125th Anniversary Celebration
- Honorable mention: Dover Light and Power for its Public Power Week open house

**2014 AMP SAFETY AWARD – GENERATION**

- Generation
- Bryan Municipal Utilities
- Dover Light & Power
- Hubbard Electric Department
- Oberlin Municipal Light & Power System
- Orrville Utilities – Power Plant Operations and Power Plant Maintenance departments
- Shelby Division of Electric & Telecommunications.

**TRANSMISSION & DISTRIBUTION**

- Bryan Municipal Utilities
- Ephrata Borough Electric Division
- Genoa Municipal Utilities
- Hubbard Electric Department
- Village of Lodi Utilities
- Montpelier Municipal Utility
- Village of New Bremen Utilities
- Newton Falls Electric Department

- Oberlin Municipal Light & Power System
- St. Clairsville Light & Power
- Shelby Division of Electric and Telecommunications
- City of Wadsworth Electric & Communications
- Wapakoneta Electric Department

**AMP ENVIRONMENTAL STEWARDSHIP AWARDS**

- City of Cuyahoga Falls for the Stream Restoration of Kelsey Creek in Kennedy Park project
- City of Oberlin for the Electric Vehicle Charging Station project-

**2014 AMP SAFETY COMMENDATION TRANSMISSION & DISTRIBUTION**

- Cuyahoga Falls Electric System
- Hudson Public Power
- Orrville Department of Public Utilities

—AMPS SUSTAINABILITY PERFORMANCE AT A GLANCE—

	2012	2013	2014
<b>AMP Organization and Financial Metrics</b>			
Number of member communities	129	129	130 <sup>1</sup>
Load (in million MWh)	16.1	16.4	14
System peak (in MW)	3,494	3,503	3,386
Electric revenue (in \$)	\$797,996,283	\$953,077,162	\$1,012,684,268
Service fees (in \$)	\$6,697,162	\$9,648,054	\$10,913,504
Programs and other revenue (in \$)	\$19,042,794	\$19,769,641	\$16,305,240
Operating expenses (in \$)	\$774,860,395	\$879,798,629	\$937,845,012
Net margin (in \$)	\$1,910,619	\$5,278,799	\$2,577,656
Number of employees (as of 12/31)	140	147	178
<b>Power Generation (in net MWh)</b>			
Prairie State Energy Campus (AMP share)	1,121,878	2,076,643	2,641,857
AFEC	3,369,114	2,708,704	2,351,669
Belleville Hydro	219,497	284,731	303,340
Distributed generation <sup>2</sup>	14,586	8,183	6,561
AMP Wind Farm	14,452	14,582	14,262
Napoleon Solar	1,554	5,270	5,147
<b>Efficiency and Other Offsets to Traditional Generation</b>			
Efficiency Smart - cumulative generation savings since 2011 (in MWh)	54,660	121,339	143,133
% of 2011-2013 targets	72.4%	149.8%	
% of 2014-2016 targets		58.0%	
EcoSmart Choice (green energy sales in MWh)	6,188	5,661	10,000
<b>Health &amp; Safety</b>			
Employee work-related fatalities	0	0	0
Reportable incidents or accidents	3 <sup>3</sup>	0	0
Lost work-day incidents	2 <sup>4</sup>	0	0
<b>Environment</b>			
Permit violations	1 <sup>5</sup>	1 <sup>6</sup>	0
Fines or penalties	0	0	0
NPDES permit exceedences	0	0	0
Total heat input			
- all generating units combined (in mmBtu)	37,690,708	38,717,509	38,273,540
- all generating units combined (in MWh)	4,567,455	4,684,922	4,669,332
CO2 emissions (in short tons)	2,719,793	3,231,142	3,276,805
Annual CO2 emission rate (in lbs / MWh)	1,190.4	1,379.4	1,403.5
SO2 emission (in short tons)	784	1,159	1,390
Annual SO2 emission rate (in lbs / MWh)	0.34	0.495	0.6
NOx emissions (in short tons)	609.3	694	775.2
Annual NOx emission rate (in lbs / MWh)	0.27	0.3	0.33
PM emissions (in short tons)	201	63.8	63.5
Annual PM emission rate (in lbs / MWh)	0.09	0.03	0.03
CO emissions (in short tons)	456.8	556.4	540.9
Annual CO emission rate (in lbs / MWh)	0.2	0.24	0.23
VOC emissions (in tons)	66.9	30.6	42.1
Annual VOC emission rate (in lbs / MWh)	0.03	0.01	0.02
Cooling water usage (net in million gallons)	725	358	453
Forestry carbon projects			
- cumulative acres of trees planted	210	210	210
Carbon offsets purchased	0	0	251,107
AMP HQ recycled glass metal and plastic (in lbs) <sup>7</sup>	-	-	1,040
AMP HQ recycled paper and cardboard (in lbs) <sup>7</sup>	-	-	21,000
<b>Community</b>			
Number of scholarships awarded	8	8	8
Value of scholarships awarded	\$16,000	\$16,000	\$16,000
AMP employee charitable giving (payroll deduction in \$)	\$6,781	\$8,880	\$10,856

1 132 members as of July 2015.

2 2012 and 2013 data is updated from previous reports.

3 Employee-operated vehicle was struck by animal. Two incidents in Forestry Department.

4 On-the-job injury to Forestry Department employee - two separate incidents.

5 Minor reporting violation at R.H. Gorsuch Station.

6 Construction storm water minor violation at Napoleon Solar Facility.

7 Due to errors in previous years' calculation, 2012 and 2013 data for these items is not included.

Michigan

- Marshall
- Union City
- Coldwater

Wyandotte

Hillsdale

Pioneer

Holiday City

Montpelier

Bryan

Napoleon

Custar

Deshler

Wharton

Minster

St. Marys

New Bremen

St. Marys

Minster

Versailles

Arcanum

Eldorado

Hamilton

Lebanon

Blanchester

Georgetown

Williamstown

Meldahl Hydroelectric Project (Hamilton/AMP)

Greenup Hydroelectric Plant (Hamilton/AMP)

Williamstown

Princeton

Paducah

Cannelton

Cannelton Hydroelectric Project (AMP)

Smithland Hydroelectric Project, Ky. (AMP)

Princeton

Paducah

Benham

Richlands

Benham

Richlands

Martinsville

Danville

Bedford

Bedford

Bedford

Bedford

Ohio

Westerville

Columbus

St. Clairsville

Woodsfield

New Martinsville

Willow Island Hydroelectric Project (AMP)

Belleville Hydroelectric Plant (OMEGA JVS)

Philippi

Jackson

Glouster

Lebanon

Yellow Springs

Tipp City

South Vienna

Piqua

Versailles

Minster

New Bremen

St. Marys

Wapakoneta

Waynesfield

Lakeview

St. Marys

New Knoxville

Jackson Center

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