

# SUSTAINABILITY PERFORMANCE

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## At A Glance Third Quarter 2021

*July 1, 2021 — Sept. 30, 2021*

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AMERICAN MUNICIPAL POWER, INC.

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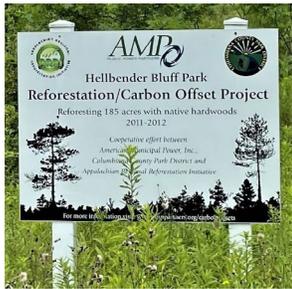
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Included below is American Municipal Power, Inc.'s (AMP) 2021 third quarter (Q3) "At a Glance" sustainability report. The quarterly update is intended to measure and compare the progress of sustainability metrics while also highlighting accomplishments. If you have questions or would like additional information, please contact Erin Miller, assistant vice president of energy policy and sustainability, at 614.540.1111 or [emiller@amppartners.org](mailto:emiller@amppartners.org).

## CARBON MANAGEMENT PROGRAM: OFFSETTING CARBON DIOXIDE EMISSIONS THROUGH REFORESTATION

In 2010, AMP began planting trees to help offset greenhouse gas emissions (GHGs) produced at its fossil-fueled sites.



To date, AMP has planted 467 acres with more than 300,000 native hardwood seedlings at five parks in partnership with the Ohio Department of Natural Resources and the Columbiana County Park District. AMP has the rights to these offsets for a period of

99 years. All five sites were once agricultural or strip-mined lands that AMP reforested in hopes of not only offsetting GHGs, but further improving the surrounding habitat, water quality and community.

AMP annually inspects the sites to monitor tree health and growth. This year, site visits were conducted in June and July.

- **Shawnee State Forest**  
In March 2010, 17,500 trees were planted across 27 acres. On July 7, average tree height was 18 feet, with the tallest being 30 feet.
- **Hellbender Bluff Park**  
In April 2012, 125,800 trees were planted across 185 acres. On July 20, average tree height was 12 feet, with the highest being 15 feet.
- **Fernwood State Forest**  
In March 2016, 114,240 trees were planted across 168 acres. On July 14, average tree height was 10 feet.
- **West Blue Rock State Forest**  
In April 2016, 24,140 trees were planted across 32 acres. On June 23, average tree height was 9 feet, with the tallest being 15 feet.
- **Harrison State Forest**  
In April 2016, 44,880 trees were planted across 66 acres. On July 14, average tree height was 7 feet.

## AMP ANNUAL CONFERENCE CELEBRATES PUBLIC POWER, ADDRESSES INDUSTRY TRENDS AND INNOVATIONS

The 2021 American Municipal Power, Inc. (AMP) Annual Conference took place in person and virtually Sept. 20-22. Sessions were led by industry experts and leaders who discussed the value of public power and the key issues impacting the industry; innovations shaping the power sector; current challenges and future projections for regional markets; workforce development; electric vehicles; the latest from Capitol Hill; and how to design programs to meet customer needs.

## AMP EMPLOYEE INNOVATOR AWARD

On July 15, Joe Morris, manager of SCADA and real-time systems, was named the inaugural honoree of the AMP Employee Innovator Award. The AMP Employee Innovator Award was launched in 2021 to promote and support a culture of innovation and continuous improvement within the organization. Given up to twice annually, the award recognizes an employee or team of employees for demonstrating innovation through creative thinking, solutions or programs and/or cost-cutting mechanisms that benefit AMP and/or AMP members.



## LIGHT UP NAVAJO

The AMP Board of Trustees set aside funds to sponsor members' crews to bring electric service to households in the Navajo Nation in 2022. The Navajo Nation is the largest Native American territory in the United States, with an estimated population of 300,000. Among the 55,000 homes located on the 27,000-square-mile reservation, about 15,000 do not have electricity. They make up 75 percent of all unelectrified households in the United States.



## LEGISLATIVE/REGULATORY UPDATES

AMP successfully advocated in the PJM stakeholder process for a balanced approach to the revised minimum offer price rule (MOPR) that will apply in PJM capacity auctions, beginning with the upcoming base residual auction for the 2023/2024 delivery year. AMP worked extensively with PJM and other stakeholders to replace PJM's unfavorable initial proposal with one that does not subject generation resources owned by municipal utilities or municipal joint action agencies (public power) to the MOPR because public power lacks the incentive and ability to exercise buyer-side market power and public power's resources are not conditioned to any state support. The approach will allow AMP and its members the opportunity to economically invest in new generating facilities, including renewables, which the prior MOPR could preclude.

PJM filed its proposal for approval by FERC on July 30, 2021. AMP filed comments and reply comments with FERC supporting PJM's filing, and submitted comments to Ohio and Pennsylvania lawmakers in connection with related state legislative initiatives. PJM's MOPR filing went into effect by operation of law on September 29, 2021, because the FERC Commissioners were divided two against two as to the lawfulness of the filing.

In addition, AMP kept its members apprised of the federal infrastructure bill, the congressional budget reconciliation process (including the Clean Electricity Performance Program), climate policy at the legislative and regulatory level, and President Biden's executive order for electric vehicle sales.

## ECOSMART CHOICE<sup>®</sup>

Eleven member communities purchased 33,164 megawatt hours (MWh) of renewable energy in the third quarter through AMP's EcoSmart Choice<sup>®</sup> Program.



EcoSmart Choice is a voluntary green-pricing program available at no cost to AMP member public power utilities. Members enrolled in EcoSmart Choice make the program available to their customers for a premium charge on their electric bill to cover the incremental cost of renewable energy. Participating customers may choose to offset 25 percent, 50 percent, 75 percent or 100 percent of their electricity usage. Learn more at [www.ecosmartchoice.org](http://www.ecosmartchoice.org).

## FOCUS FORWARD

The Focus Forward Advisory Council (FFAC) hosted a webinar on July 15 titled Data Analytics and Rate Design. Brad Gall, senior data architect, and Sarah Valovcin, senior data scientist, from the Energy Authority, provided examples and lessons learned for collecting and analyzing AMI data to enhance the value of customer programs — connecting the right customers with the right programs, maximizing return on investment and reaching strategic goals.



## EFFICIENCY SMART<sup>®</sup>

Efficiency Smart<sup>®</sup> is assisting the city of Oberlin and Oberlin College with its Sustainable Infrastructure Project. This project will modernize the campus infrastructure and play a significant role in reaching the college's goal of carbon neutrality by 2025 and city's goal by 2050. The campus' century-old heating infrastructure will be replaced with a central geothermal system in a multi-stage project over four years. In addition to geothermal heating and cooling, the project covers significant upgrades to the college's electrical system and IT infrastructure. Additional benefits will include reducing the college's water use by five million gallons and sewer discharge by four million gallons annually.



"Working with Efficiency Smart has broadened our ability to work on building efficiency — both residential and commercial — moving us ever closer to our Climate Action Plan goals," said Linda Arbogast, sustainability coordinator with the City of Oberlin.

The fourth Efficiency Smart contract reported a savings of 2,921 MWh (net) at the end of the third quarter. Oak Harbor recently became the 26th community participating in Efficiency Smart.

For more information, visit [www.energysmart.org](http://www.energysmart.org).

## GREEN BOND FINANCED PROJECTS – Q3 2021 REPORT

	Meldahl	Combined Hydro (Cannelton, Willow Island, Smithland)	Solar Phase II
Net Capacity (MW)	108.8	208	58.3
Net Generation (MWh)	162,495	367,903	34,142
Capacity Factor (%)	68%	81%	N/R

*N/R - not required for reporting*

### POWER GENERATION

in net MWh

July 1, 2021 — Sept. 30, 2021

**AMP Wind Farm (JV6):** 1,093

**AMP Fremont Energy Center (AFEC):\*** 839,477

**Belleville Hydro (JV5):** 75,284

**Greenup Hydro:\*** 96,118

**Meldahl Hydro:** 162,495

**Cannelton Hydro:** 154,123

**Willow Island Hydro:** 64,269

**Smithland Hydro:** 149,511

**Prairie State Energy Campus (PSEC):\*\*** 803,727

**Distributed Generation:** 14,150

**Landfill Gas:** 86,661

**Blue Creek Wind:\*\*** 20,628

**Napoleon Solar:** 1,624

**Solar Phase II:** 34,142

\* Total plant

\*\* AMP's share

### HEALTH AND SAFETY

July 1, 2021 — Sept. 30, 2021

**Employee Work Related Fatalities:**  
0

**Recordable Incidents or Accidents:**  
0

**Lost Work Day Incidents:**  
0

### COMMUNITY

July 1, 2021 — Sept. 30, 2021

**AMP Employee Charitable Giving:** \$4,639.50

## ENVIRONMENT

emissions in short tons (AFEC, AMP share of Prairie State\*, gas and diesel turbines)

July 1, 2021 — Sept. 30, 2021

**CO2:** 1,230,792

**SO2:** 662.5

**NOx:** 341.5

**PM:** 47.2

**CO:** 37.3

**Hg (in lbs):** 5.95

**VOC:** 18.8

*\*Prairie State data not yet certified*

## HAZARDOUS, UNIVERSAL, OTHER WASTE

July 1, 2021 — Sept. 30, 2021

29,332 lbs.

## TRASH PULLED FROM THE OHIO RIVER

July 1, 2021 — Sept. 30, 2021

11,780 lbs.

## ENERGY EFFICIENCY AND ECOSMART CHOICE REC SALES

July 1, 2021 — Sept. 30, 2021

### Efficiency Smart Cumulative Savings

**2014 — 2021:** 133,501 MWh **2021 Q3:** 2,921 MWh

**EcoSmart Choice REC Sales:** 33,164 MWh

## RECYCLING AND REUSE

July 1, 2021 — Sept. 30, 2021

**Recycled glass, plastic, metals, paper, cardboard and soil**  
402,069 lbs.