



Alison Morgan
Director of Sales and Marketing

Greenlight New Day. New Way.




Meet DRP

Employee Highlight: Alison Morgan
“My world revolves around the customers,” says Alison Morgan, Detroit Renewable Power’s director of sales and marketing. A DRP employee since February of 2011, Alison’s job entails working with waste-hauling companies to bring trash to the plant rather than to a landfill. She works with DRP customers on a daily basis, managing contracts, providing top-notch customer service, and handling any unexpected issues.

Alison cites working with the customers as the most rewarding part of her daily work. “I pride myself on providing top-of-the-line customer service. Based on what customers have shared with me, we’re providing much better service than in the old days of the plant,” she says. “We communicate on a regular basis, staying

in touch and making sure we’re doing what we say we will.” As a liaison between DRP and its customers, Alison appreciates how important it is to value customers as the key to running the business. “I do my best to give them the best service,” she says.

When it comes to professional challenges, balancing the trash inventory keeps Alison on her toes. She explains, “We bring in waste five-and-a-half days a week, but we need enough to combust 24/7. The seasonality of summer versus winter volumes can be hard to manage, as well.”

Alison views DRP as a key piece of Detroit’s **revitalization**. “We were able to help reinvigorate the economy with full-time employment opportunities after the old plant had closed,”

she says. She also enjoys working with Alan Greenberg, DRP’s director of environmental affairs, on community outreach, including DRP’s science education partnership with the Golightly Education Center. “We’ve been reaching out to the community through initiatives like the Golightly program, acting as good neighbors to have a positive impact on the city and our local area.”

Alison moved to the Detroit area from Columbus, Ohio, in 1988, and doesn’t plan on leaving. Outside of the office, she enjoys spending time with her husband and two sons. A devout Red Wings fan, she also spends a lot of time at the rink watching her boys play. •

Terms Defined Highlighted in this issue of “Greenlight”:

Capital improvements noun. – Expenditures that stop deterioration of property or add new improvements and appreciably prolong its life.

Closed-loop system noun. – An ecological system that does not rely on matter exchange outside of the system. Any waste products produced by one species must be used by at least one other species.

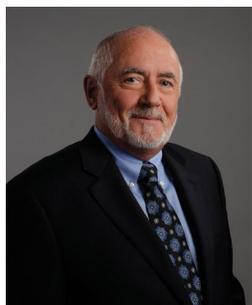
Revitalization noun. – The process of giving new life or vigor to.

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A Note from John O'Sullivan



Welcome back to "Greenlight", Detroit Renewable Power's (DRP) newsletter dialogue with our employees, business partners, and citizens and neighbors in Detroit.

Detroit Renewable Power is in the heart of a city facing many challenges. Decades of industrial decline are now framed by a highly charged municipal bankruptcy. As Detroit employers, workers, parents, and citizens, we all feel the weight of this city's legacy and help bear the weight of its burden.

But in these same roles, we should also feel the thrill of being part of a city that is still a major center of innovation—in technology, manufacturing, financial services, healthcare, and education. Today it's a city with the highest residential and downtown office occupancy rates in decades. And at the center of every industry now involved in reviving Detroit is the steady and efficient pulse of clean energy—OUR clean energy that is transmitted every day from OUR facility.

Thanks to the work you do each day, the choice for reliable, cost-effective heating, hot water, and absorption cooling is available to hundreds of customers, new and old. Our plant ensures that municipal waste is safely and routinely

disposed. With Detroit Thermal and Hamtramck Energy, we're redefining the ways that renewable energy can help steward the environment and underpin the safety, success, and comfort of residents, businesses, industries, and institutions throughout a major American city.

We have a lot to be optimistic about in Detroit and a lot to be proud of at Detroit Renewable Power. Thank you for all of your hard work. •

Best Regards,



Community Connections

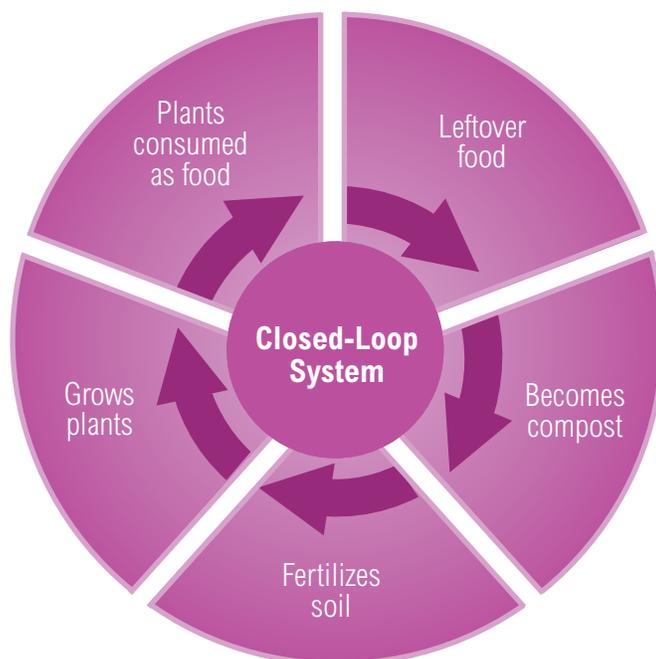
Education to Life Reboots for 2013-2014 School Year

This school year, DRE will again support the Golightly Education Center through the Education to Life (ETL) program. ETL's mission is to make science education impactful and positive for students. The 2013-2014 program will take a "whole systems approach" to environmental sustainability by including various activities involving closed-loop systems.

Said DRP Director of Environmental Affairs Alan Greenberg, "For these fifth and sixth graders, evaluating what we do with our environment and how we treat our resources is imperative, as it will directly impact their futures and the environment they thrive in."

Golightly teachers and DRE team members will work with students to plant and maintain a garden, collect expired food from the cafeteria to make compost, utilize solar power for cooking, and collect rain water to prevent harmful runoff. Students will have multiple opportunities to learn about community, environment, and sustainability through hands-on activities and experiential learning, all while improving the school building and surrounding school grounds.

At the end of the year, the students will share what they've learned in these areas by presenting to their peers and community members. DRE is proud to support science education in our local schools, and we look forward to a long and fulfilling partnership with the Golightly Education Center. •



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FAQ The Tip Floor.

Addressing the issues that matter most to our community is a priority at DRP and we strive to provide in-depth, well-educated responses to the inquiries we receive. In this section, we highlight some of the most frequently asked questions posted to our website. To submit a question to Detroit Renewable Power, please visit our website at www.detroitrenewablepower.com.

Q Besides its involvement with the Golightly Education Center, how does DRP give back to the community?

A DRE aggressively supported philanthropic and charitable programs in 2012, and continues to do so in 2013. Our financial commitment is geared to education, emergency assistance, the environment, and urban development endeavors, as well as programs and/or

projects that positively impact our neighborhood. These goals have become cornerstones of our efforts to support the Greater Detroit community.

In 2012, DRE financially supported a number of important and exciting local programs, including: The Golightly Education Center, City of Detroit's Angels' Night fundraiser, Gleaners Community Food Bank, American

Lung Association, Archdiocese of Detroit, Building Owners and Managers Association of Metropolitan Detroit, Coalition on Temporary Shelter, College for Creative Studies, Crestwood Drama Club, Crohn's and Colitis Foundation, Detroit Medical Center Health & Wellness Fund, Detroit RiverFront Conservancy, Downtown Detroit Partnership, Health and Wellness Foundation, Jovan Foundation, and Midtown Detroit Inc.



Energy from Waste

In-Depth

The U.S. EPA has concluded that energy-from-waste (EFW) plants such as Detroit Renewable Power produce electricity "with less environmental impact than almost any other source of electricity¹." This makes EFW an important part of America's clean, sustainable energy future.

Detailed comparisons of emissions from major U.S. power sources show, based on pounds of pollutant per megawatt-hour of electricity generated, that EFW plants emit significantly less carbon dioxide (a major greenhouse gas) than any of the fossil fuel power plants. And compared to coal-fired or oil-fired power plants (but not gas), EFW facilities emit significantly less sulfur dioxide and are comparable for nitrogen oxide emissions.

On average, for every ton of municipal solid waste converted to energy in an EFW facility, nearly one ton of CO₂ equivalent emissions are avoided—by displacing the equivalent generation of power in coal.^{2,3} Coal combustion is the main source of electrical generation in Southeast Michigan.

As Detroit's largest recycler, DRP and its recovery and sale of metals from waste further displaces CO₂ emissions from the process of mining and manufacturing new metals. Ultimately, EFW and DRP represent an important and positive force in the global effort to manage greenhouse gas emissions and restrict climate change.

¹US EPA Letter to Maria Zannes, President, Integrated Waste Services Association, 2003, <http://www.wte.org/userfiles/file/epaletter.pdf>

²EPA, 2008, <http://pubs.acs.org/doi/pdf/10.1021/es802395e>.

³EPA, 2013, <http://www.epa.gov/wastes/nonhaz/municipal/wte/airem.htm#7>.

Up-Close

Americans generate about 250 million tons of trash each year. Eighty-seven million tons of that (about 35 percent) is recycled or composted, and most of the rest goes to landfills¹.

Some countries like Austria, the Netherlands, and Germany have virtually eliminated landfilling because of strong recycling and EFW policies. Those policies allowed the EU to cut the amount of waste it sent to landfills by nearly 20 percent between 2001 and 2011².

¹E&E Publishing, July 8, 2013, <http://www.eenews.net/stories/1059983980>

²greentechmedia, June 2013, <http://www.greentechmedia.com/articles/read/Look-at-How-Much-Waste-America-Puts-Into-Landfills-Compared-to-Europe>

Did you know?

DRP and its sister companies are committed to sustaining quality long-term, well paying jobs. In fact, in 2012 alone DRE maintained 260 full-time positions and hired 20 employees. In addition to providing comprehensive safety programs, employee benefits, and healthcare programs, DRE compensates its employees at an average salary level of \$78,558, which is 15.7 percent higher than the average utility industry wage in Michigan. •



A Detroit Renewable Energy LLC Company

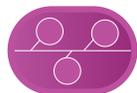
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High Points Milestones.

In mid-August, DRE completed \$55 million in long-term financing to support the company’s expanding investment in the environmental, renewable energy, and economic development infrastructure of Greater Detroit. The financing consists of tax-exempt Limited Obligation Revenue Bonds with maturities extending to 2030. The bonds were issued by the Michigan Strategic Fund and are guaranteed by DRE assets and future revenues.

“We are thrilled to announce this financing milestone, which brings substantial new resources to the long-term energy security, environmental health, and economic sustainability of Greater Detroit,” said DRE Chairman Steven A. White. “With the ongoing commitment of local industry, this is the type of effort that will help accelerate the resurgence of this great city.”

The financing significantly extends DRE’s commitment to provide Detroit and surrounding municipalities with safe, cost-effective energy and waste disposal solutions. After investing more than \$60 million since 2010 to acquire the operating businesses and for capital improvements to its network of facilities, DRE will employ the new financing to continue improvements at its facilities, expand services to new businesses and industries, and fund ongoing operations. •

Safety Spotlight

Disposing of Old Propane Tanks Properly

Grilling season is officially over, and while barbecues are a great way to enjoy time outdoors with friends, we must be careful when disposing of old propane tanks. For safe disposal, tanks need to be purged and cleared of all residual gas. DRP works diligently to remove any propane tanks that have found their way into the waste stream. If employees miss a tank and it enters the shredder, the residual compressed gas will cause an explosion that can start a fire and injure employees. Don’t toss away old tanks—instead, return them to a propane company that sells gas tanks. These companies can safely capture the residual gas and purge the tank. They can reuse the valves and fittings, or possibly even repaint the tank and refill it. NEVER attempt to purge the tank yourself!