

Our Companies

www.detroitrenewable.com



Detroit Renewable Energy (DRE) is helping to renew Detroit. Our companies are committed to providing safe, reliable, and affordable municipal solid waste solutions; generating and distributing clean, renewable energy; and contributing to the revitalization of Detroit with long-term investments in communities, education, and people.



HAMTRAMCK ENERGY SERVICES

Operations, maintenance and management of clean energy/wastewater services for 7 GM powerhouses – 2 with chilled water plants, as well as energy management services for Fannie Mae's Washington, D.C. data center

Offers a proven track record for reliability, safety, and environmental stewardship

Generates large material cost savings for clients by:

- *Reducing utility costs through improved efficiency*
- *Reducing/eliminating downtime through improved reliability*
- *Eliminating labor costs through use of in-house staff*

Experience & capabilities to serve:

- *Industrial & manufacturing facilities*
- *Steel industry*
- *Pulp and paper mills*
- *Healthcare facilities and hospitals*
- *University campuses*
- *Airports & convention centers*
- *Municipal buildings and campuses*

DETROIT RENEWABLE COOLING

District energy that will supply reliable, cost-effective cooling and air conditioning for Detroit buildings

DETROIT THERMAL

Renewable energy-based steam for heating and cooling 140+ Detroit buildings via an extensive downtown steam network:

Provides analysis-driven heating and cooling solutions designed to meet specific needs

Helps customers eliminate capital investments and re-allocate labor to core functions

Allows building owners to greatly reduce/eliminate their carbon footprint

DETROIT RENEWABLE POWER

Integrated energy-from-waste (EFW) facility providing:

Safe municipal solid waste (MSW) disposal

- *Up to 3,300 tons per day of municipal waste from Detroit and surrounding cities*
- *Enough electric power to supply 60,000 homes year round*

Materials recycling

- *Recovers and commercially recycles 39,000 tons of metals per year*

Clean, renewable energy

- *Reducing area greenhouse gas emissions by delivering:*

Electricity to DTE Energy that displaces 84,000 tons of coal

Steam to Detroit Thermal that displaces 4 million cubic feet of natural gas

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Atlas Holdings

www.atlasholdingsllc.com

- Detroit Renewable Energy is part of the Greenwich, CT-based Atlas Holdings LLC family of companies.
- Atlas Holdings is an industrial holding company with operations in the United States, Canada, Europe and Asia, encompassing more than 70 facilities and employing approximately 8,000 people.
- In Michigan, Atlas successfully managed the turnaround of Michigan Seamless Tube – bankrupt when purchased by Atlas and now a thriving company.

Clean, Renewable Energy

- The U.S. EPA and DOE, as well as Michigan, D.C., and 22 other states, consider energy from waste a renewable energy source.
- One ton of municipal solid waste displaces the energy equivalent of a barrel of oil or ¼ ton of coal.
- More than 75 EFW plants now operate in the U.S., approximately 400 in the EU and 200 in Asia.
 - The U.S. receives less than 14 percent of its energy from waste.
 - Denmark receives 54 percent of its energy from waste.
- More than 1,000 global cities use EFW to heat and cool commercial buildings
- EFW environmental benefits include:
 - Reduced greenhouse gases
 - Reduced dependence on fossil fuels
 - Reduced landfilling
 - Reduced track traffic and associated emissions
 - Recovered and recycled metals (reducing new metals mining impacts)
- EFW improves local recycling: U.S. communities with EFW plants average recycling rates of more than 33 percent compared to the national average of 28.5 percent.
- Detroit Renewable Power operates in full compliance with all applicable federal, state and local environmental rules and regulations.

Global Support, Local Focus

EFW facilities "...produce electricity with less environmental impact than almost any other source of electricity."

(U.S. EPA)

The (Detroit Renewable Power) facility is "...as clean as the best [EFW facilities] in the world..."

(Dr. Nick Themelis, Columbia University)

DRE's community initiatives:

- Annual Sustainability Report – DRE produces an annual transparent review of its contributions to Detroit's environmental, social, and employee health, as well as prosperity.
- Golightly Education Center – In 2013, DRE formed a partnership with the Golightly Education Center to develop an experiential learning program to teach students about science and technology through experiments, field trips and hands-on learning.
- Downtown Detroit Partnership – DRE is an active board-level participant in this private/public partnership supporting a clean and economically strong Detroit community.

Investing in Detroit

- DRE's investment in Detroit has helped support a steady resurgence in the City's ability to ensure efficient, sustainable, and long-term energy, environmental, and public works services.
 - In November 2010 DRE invested \$50mm in acquiring the DT, DRP, and HES businesses.
 - Total capital investments to improve DRE facilities exceed \$60 million since 2010.
 - DRE immediately brought back 122 laid-off DRP workers in 2010 and today supports a Detroit workforce of 161.
- In addition to providing key Detroit businesses such as Ford Field, Detroit Medical Center, GM Renaissance Center, Cobo Center, Fox Theater and Henry Ford Health Systems with renewable-energy-derived steam, DRE has driven new commercial activity since 2010, attracting to the system customers that include:

Wayne State University • U-Haul Corporation • Blue Cross Blue Shield • Detroit Public Safety Headquarters • Woodward Gardens