

WE SHARE **OUR WORK** TO
INSPIRE LASTING **CHANGE**

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ANNUAL **REPORT** 2016



INSPIRE CHANGE WITH TRUSTED EXPERTISE FOR **BOLD LEADERSHIP**

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**MARKET CHARACTERIZATION
DEFINES THE POTENTIAL FOR
ENERGY SAVINGS**

We balance some of the most advanced expertise in the country with hands-on field research, customer insights, and rigorous economic filters to create forward-looking solutions and identify the market potential for a range of programs and technologies in all customer sectors.

We recently characterized office plug loads and measured savings from specific strategies to reduce these loads. We also characterized energy use in the multifamily building sector and identified the potential for savings in manufactured homes. We are currently characterizing program opportunities for small commercial businesses.

**TECHNOLOGY RESEARCH
DETERMINES ECONOMIC AND
ENERGY BENEFITS**

We study installations of emerging technologies to look for missed opportunities, verify savings and establish best practices. Closing the information gap helps increase confidence in the expected performance of new technologies and approaches, increases savings and expands market penetration.

Our field research team determined energy savings from institutional tuning of light levels in commercial spaces; studied daylighting controls and the potential for commissioning to increase savings; measured the potential for savings from LED lighting in parking garages; and identified optimal control strategies for designing and operating air source variable refrigerant flow systems in cold climates.

**EVALUATION DRIVES EFFICIENCY
PROGRAM IMPROVEMENTS**

We approach program evaluation projects with the understanding that efficiency programs aren't just about energy savings; they also present opportunities to drive satisfaction for customers, communities and regulators.

Seventhwave has a comprehensive set of qualifications, skills and experience in energy efficiency program evaluation, including expertise in analyzing billing data; designing and implementing surveys and interviews; modeling buildings and systems; and conducting secondary research. We process billing data for more than 1.5 million residential utility gas customers to conduct regular impact evaluations of five energy efficiency programs. We're also establishing a baseline of energy use in new homes to aid in evaluating programs for this market.

COMPANY PROFILE

Seventhwave advances economic and environmental sustainability through research and engineering. A trusted nonprofit source of expertise, Seventhwave was established in 1989 and has 49 employees in Madison, Wisconsin, and Chicago. Our qualifications include program evaluation and field research to boost energy program savings; market research and characterization; energy program design and implementation; and education for building professionals.

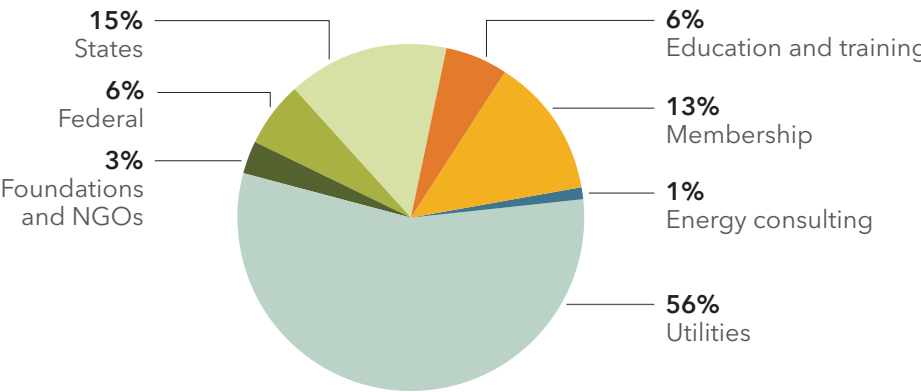
2016 FINANCIAL SUMMARY

SUMMARY

Annual revenue.....	\$6,526,625
Change in assets.....	(\$80,953)
Net assets.....	\$2,176,888

EMPLOYEES 49

FUNDING SOURCES



**SELECTED CLIENTS AND
PARTNERS**

Bureau of Reclamation
Environmental Defense Fund
Focus on Energy
Illinois Science and Energy Innovation
Foundation
Joyce Foundation
JPB Foundation
McKnight Foundation
Lawrence Berkeley National Laboratory
National Renewable Energy Laboratory
NASA
University of Chicago
University of Wisconsin
U.S. Department of Defense
U.S. Department of Energy
WECC

Indiana Utility Regulatory Commission
Minnesota Department of Commerce
Public Service Commission of Wisconsin

Alliant Energy
Columbia Gas of Ohio
ComEd
Madison Gas and Electric
Minnesota Power
Nicor Gas
Peoples Gas and North Shore Gas
We Energies
WPPI Energy
Xcel Energy

**WORK WITH A RESEARCH TEAM
THAT DELIVERS REAL IMPACT.**

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