



G-ENERGY STATEMENT OF QUALIFICATIONS FOR ASHRAE LEVEL 1, 2, 3 and HUD 5-Year ENERGY AUDITS

G-ENERGY key personnel have over 100 cumulative years of experience in the science of energy auditing providing Level 1, Level 2 and Level 3 energy audits as defined by the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE).

Business Organization

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Recent G-ENERGY Experience

G-ENERGY recently completed a project for the Northwest Michigan Council of Governments (NWMCOG) that called for four Level I and twenty-five Level II energy audits for buildings covering 750,000 square feet located throughout seven (7) Northern Michigan counties. The project was conducted under a strict timeline required by a grant provided by the Michigan Public Service Commission (MPSC) that funded the project. The twenty-nine energy audits were successfully completed over a 1-year period.

Over the past five years, G-ENERGY has conducted numerous energy audits for public housing authorities and community action agencies. Commercial buildings were the focal point for energy audit projects performed for the City of Ann Arbor, Delta GREEN (MPSC Green Community Partnership for Delta County in the Upper Peninsula as well as Rebuild Michigan Program) and Michigan State University (through the Kent County Extension Office).

Key Personnel, Qualifications and Prior Experience

Kevin Cook

Energy Management Consultant

Certified Lighting Efficiency Professional

Certified Infrared Thermographer

President/CEO, G-ENERGY LLC

As a graduate of Michigan State University - College of Agricultural Engineering (Bachelor of Science Building Construction Management), Kevin is well schooled in all types of construction technology and received his Michigan Residential Builder's license (#59773) in 1981. He is a federally certified Residential Conservation Service (RCS) Energy Auditor, a member of the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE) and Association of Energy Engineers (AEE), a Certified Lighting Efficiency Professional (CLEP) through AEE and Certified Thermographer (#1576) through the Infrasppection Institute.

Kevin started with Volt Energy Systems (1981-1989), formed Quantum Energy Resources with three partners (1990-1996) and opened G-ENERGY LLC (as Georgetown Energy) in 1996.

He was the primary infrared thermographer for the DOE Weatherization Assistance Program in Michigan from 1989-1992, working with twenty-six Community Action Agencies. He has conducted well over 1000 infrared inspections of commercial and residential buildings.

As the Senior Auditor with Volt Energy, a managing partner of Quantum Energy and owner of G-ENERGY, Kevin has been involved in the development of many computer software programs focusing on energy efficiency and conservation. He has trained and supervised more than twenty auditors who completed over 25,000 residential and commercial energy audits for various utility companies. He has personally conducted over 4000 residential and commercial energy audits.

A partial list of utility companies that Kevin has worked with under contract includes Consumers Energy, DTE-MichCon, Detroit Edison, MGU (Utilicorp), Semco Energy, Traverse City Light and Power, PSI Energy (Indiana), Cincinnati Gas and Electric (Ohio), American Electric Power (Indiana and Ohio) and Northern Illinois Gas Company.

Property management firms in Michigan for whom Kevin has conducted energy audits and/or utility allowance analysis services include Alliance-Allstate Management, American Preferred Management, Cato Companies, Gardner Management, Kathy Richards Management, Keystone Property Management, Lansing Management, Management Resources Development, Medallion Management, Midwest Property Management, Stratford Group and Upcap Services.

Under contract with the State of Michigan Energy Office from 2000-2007 as a consultant for the Rebuild Michigan program and the Bay College (Esanaba) M-TEC Northern Lights program, Kevin inspected and audited over 500 buildings for more than 200 public housing authorities, local governments, commercial/industrial businesses, K-12 school districts (both public and private), colleges and universities in Michigan.

In 2009, he worked under contract with Michigan State University as the energy management consultant for their Neighborhood Energy Conservation Program.

In 2010, Kevin headed up the energy audit program for Northwest Michigan Council of Governments (NWMCOG) providing energy management contract services to counties, cities, townships and villages in seven northwest Michigan counties. Thirty audits were performed and, as a result, energy projects were developed and completed for all local governments participating in the program.

Matthew Cook

Level I Certified Pre-Inspector

DOE Weatherization Assistance Program

Residential Energy Management Specialist

Matt Cook is a graduate of Grand Valley State University and has worked with G-ENERGY since 2008. He has completed over 750 home inspections, encompassing well over 1-million square feet, as a certified Level I Pre-Inspector for the U.S. Department of Energy Weatherization Assistance Program. Working with local weatherization operators through the community action agencies covering Ingham, Eaton, Clinton, Shiawassee and Kent Counties, Matt has become the residential energy expert for G-ENERGY.

Matt is certified for Mold/Moisture Assessment through the Michigan Department of Human Services (DHS), DHS-certified for the Lead Safe Assessment and Combustion Appliance Zone (CAZ) testing. He is qualified to conduct blower door infiltration tests, infrared inspections with infrared imaging technology, and combustion efficiency testing on fossil fuel heating systems. He has performed these services at hundreds of buildings in Michigan.

Matt is part of the G-ENERGY audit team for ASHRAE Level 2 HUD/DOE Multifamily Building Audits for high-rise apartment buildings and is qualified to perform TREAT[®] Energy Audits on all types of multifamily buildings. He is involved with the G-ENERGY Utility Allowance Analysis program for Rural Development, HUD and MSHDA multifamily facilities. He has also assisted in the performance of ASHRAE Level 2 Commercial Energy Audits.

Besides work with G-ENERGY, Matt participated in many of the energy efficiency inspections conducted on commercial buildings as part of the Delta Green Community Partnership in Delta County (Upper Peninsula Michigan). The nonprofit organization provided ASHRAE Level 1 Commercial Energy Audits for small businesses in this very successful county-wide energy initiative from 2008-2010.

Paul Cusack

Energy Management Consultant

Energy Efficiency and Renewable Energy Specialist

Paul Cusack is a Jordan Energy Institute graduate and has over 30 years of experience in the energy field. His primary work has been as an energy auditor in the residential, commercial/industrial and military sectors. He has conducted ASHRAE Level 1, Level 2 and Level 3 energy audits on all types of facilities while working for several energy service companies and engineering firms. His college degree included an emphasis in renewable energy and he has designed/installed many successful wind and solar systems (both photovoltaic and thermal) throughout Michigan.

Gregory Mulder

Energy Management Consultant

Electric Power and Renewable Energy Specialist

Greg Mulder, a power specialist for Coffman Electrical Equipment Company, provides critical power solutions in the integration of wind, solar, bio-gas, waste heat cooling and other related technologies. He is responsible for the design and sale of data center backup power systems in the hospital, office and broadcast marketplace. Currently, he is in charge of the power quality and cogeneration marketing division, including the research of new products and their integration in the market.

He has extensive experience in researching advanced digester and gas-scrubbing technologies, wastewater treatment technologies and integrating them into a seamless energy solution for the marketplace. Greg was involved the very successful waste-to-power digester system projects at Delhi Township and City of Grandville, both located in Michigan.

Thomas Sloan

Energy Management Consultant

Building and Mechanical Systems Specialist

Tom Sloan has over 30 years of experience in facility management and construction/renovation of public facilities. He has hands on as well as management experience with the conception and implementation of multiple types of projects including developing project scope, selections of designers and subcontractors, plus the development and monitoring of project schedules and budgets. Energy management has been a major component with all his career assignments.

He earned a degree in Mechanical Engineering from Michigan State University where was employed as engineer in the university's Physical Plant maintenance department. He has headed the operations and maintenance for Lansing, Traverse City and Ypsilanti Public Schools.

He has worked for a major construction management firm as a project manager and has served as an owner's representative for construction/renovation and energy projects at Buckley Community Schools, Beaver Island Community Schools and Charlevoix Public Schools.

Tom was involved in the energy audit program that G-ENERGY provided to the Northwest Michigan Council of Governments (NWMCOG) in 2010-2011. He took part in all 30 energy audits conducted on county, city, township and village facilities, as well as providing technical support to the local governments for the energy projects that resulted from the NWMCOG program.

Tom was an early pioneer (late '70s) in energy conservation, developing programs and traveling the state conducting training sessions for Michigan School Business Officials. He served on the Board of Directors for Michigan GREEN, and was involved in the developed of their energy auditing procedures and reports, as well as their Technical Assistance Program (TAP) for local governments and schools.

Recent G-ENERGY Energy Audit Projects and Clients (2009-2012)

Delta GREEN Rebuild Michigan Project (Level 1 Energy Audits)

Bay College, Escanaba MI	Bishop Noa Home, Escanaba MI
Gogebic Community College, Ironwood MI	Ishpeming Public Schools, Ishpeming MI
Jack's IGA, Marquette MI	M&M Westgate Shell, Ishpeming MI
Munising Public Schools, Munising MI	Negaunee Public Schools, Negaunee MI
Pinecrest Medical Care Facility, Powers MI	Sault Ste Marie Area Schools, Sault Ste Marie MI
St Vincent de Paul (Marquette MI)	St Vincent de Paul (Ishpeming MI)
Whitefish Township School (Paradise MI)	

DTE Energy Faith-Based Organizations Project (Level 1 Energy Audit)

New Faith Temple, Grand Rapids MI

Wisconsin Public Power Inc (Level 2 Energy Audit)

Holy Spirit School, Norway MI

Northwest Michigan Council of Governments Project (Level 1 & Level 2 Energy Audits)

Antrim County Building	Grand Traverse County Health Services Building
Antrim County Jail	Grand Traverse County Woodmere LEC
Benzie County Animal Control	Homestead Township Hall & Fire Barn
Benzie County Government Center	Kalkaska County Administration Building
Benzie County Sheriff / Jail	Kalkaska County Kaliseum
Charlevoix County Animal Control	Kalkaska Township Building
Charlevoix County Building	Little Traverse Historical Museum
Charlevoix County Sheriff / Jail	Manistee County Courthouse
City of Traverse City Garage	Manistee County Sheriff / Jail
City of Traverse City Senior Center	Norwich Township Hall & Fire Barn
Elk Rapids Township Fire & Ambulance	Village of Elk Rapids DPW Building
Elk Rapids Township Hall	Village of Mesick Office & DPW Building
Emmet County Courthouse	Village of Suttons Bay DPW Building
Glen Arbor Township Hall	Village of Suttons Bay Village Hall
Grand Traverse County Front Street Building	

City of Ann Arbor Downtown Energy Conservation Project (Level 3 Energy Audits)

First National Bank (First Martin Corporation)	111 South Fourth Street Building
Galleria Mall	113 South Fourth Street Building
Kerrytown Concert House	

Oakland Livingston Human Services Agency - OLHSA Project (Level 2 Energy Audits)

Phoenix Place, Pontiac MI	Whispering Woods, Waterford Township MI
Walled Lake Villa, Walled Lake MI	Woodland Heights, Pontiac MI
New Horizons, Madison Heights MI	

Community Action Agency of South Central Michigan – CAASCM (Level 2 Energy Audit)

Sanborn Gratiot Memorial Home, Port Huron MI

Delta GREEN Community Partnership Project (Level 1 Energy Audits)

Pearson Asbestos, Escanaba MI	Gladstone SuperValu, Gladstone MI
Supply Sergeant, Escanaba MI	Leigh’s Garden Winery, Escanaba MI
Coldwell Banker, Escanaba MI	Cal Grinding / Cal Valves, Escanaba MI
Classic Auto Collision, Escanaba MI	Hiawatha Chef Supply, Escanaba MI
Escanaba Veterinary Clinic, Escanaba MI	Andex Industries, Escanaba MI
Ludington Grill, Escanaba MI	Dobbers Pasties, Escanaba MI
Cat-Man-Do’s, Escanaba MI	Iverson’s Home Center, Gladstone MI
Swedish Pantry, Escanaba MI	Delta County Credit Union, Escanaba MI
First Bank, Gladstone MI	The Buck Inn, Wells Township MI
Escanaba Steam Laundry, Escanaba MI	Gladstone Power Sports, Gladstone MI
The Ritz, Escanaba MI	Bay Bank, Gladstone MI
Messersmith Manufacturing, Bark River MI	Bowlarama, Escanaba MI
Hereford & Hops, Escanaba MI	Masonic Building, Escanaba MI

Michigan State University – Kent County Extension Project (Level 1 Energy Audits)

Fulton Auto Service, Grand Rapids MI	Parkside Foods, Grand Rapids MI
Fulton Pharmacy, Grand Rapids MI	Spirit Dreams, Grand Rapids MI
Lot O Pots, Grand Rapids MI	The W Group, Grand Rapids MI
Nawara Brothers Hardware, Grand Rapids MI	UCS, Grand Rapids MI
Nitecap Bar & Grill, Grand Rapids MI	

Michigan State University – Kent County Extension Project (Level 3 Energy Audit)

Grand Valley State University – Behavioral Research Facility, Grand Rapids MI

Public Housing Authorities (HUD 5-Year Level 2 Energy Audits)

Baldwin Housing Commission, Baldwin MI	Reed City Housing Commission, Reed City MI
Grayling Housing Commission, Grayling MI	Powers Non-Profit Housing Corporation

G-ENERGY Energy Audit Projects of Note (2000-2008)

Rebuild Michigan - State of Michigan Energy Office (Level 1 Energy Audits)

Adams Township School	City of Gladstone	Eaton Rapids Public Schools
Adrian Public Schools	City of Gladwin	Edwardsburg Public Schools
Alcona Community Schools	City of Grandville	Elk Rapids Housing Commission
Arenac Eastern School District	City of Hastings	Elk Rapids Public Schools
Baldwin Community Schools	City of Iron Mountain	Emmet County
Bark River-Harris Public School	City of Iron River	Escanaba Area Schools
Barry County	City of Ironwood	Escanaba Housing Commission
Barry County ISD	City of Ishpeming	Fairview Area Schools
Battle Creek Lakeview Schools	City of Manistique	Flint Kearsley Community Schools
Bay County Housing Commission	City of Marquette	Gladstone Area Schools
Bay De Noc College	City of Mount Pleasant	Gladstone Housing Commission
Bay Mills Community College	City of Munising	Gladwin Community Schools
Bellaire Public Schools	City of Muskegon	Glen Lake Schools
Big Bay de Noc School	City of Negaunee	Gogebic Community College

Boyne City Housing Commission	City of Norway	Gogebic County
Burton-Bendle Public Schools	City of Riverview	Grand Traverse County
Byron Area Schools	City of Rogers City	Grand Valley State University
Cadillac Housing Commission	City of Sault Ste Marie	Grant Public Schools
Calumet-Laurium-Keweenaw	City of Traverse City	Greenville Housing Commission
Carney-Nadeau Public Schools	City of Walker	Gwinn Area Community Schools
Central Lake Public Schools	Clinton Public Schools	Hancock Housing Commission
Cheboygan County	Comstock Public Schools	Hancock Public Schools
Chippewa County	Crystal Falls Forest Park Schools	Hastings Area Schools
Chippewa Hills School District	Delta County	Hermansville Housing Comm
City of Alpena	Dexter Community Schools	Houghton County
City of Benton Harbor	Dickinson County	Houghton Housing Commission
City of Cheboygan	Dickinson-Iron ISD	Huron Valley Schools
City of Escanaba	East Jordan Public Schools	Inland Lakes Schools
Iron County Housing Commission	Marquette Housing Commission	Republic-Michigamme Schools
Iron Mountain Housing Comm	Mason County Eastern Schools	Rock Mid-Peninsula Public Sch
Iron Mountain Public Schools	McMillan Township	Rogers City Area Schools
Ironwood Area Schools	Menominee Area Public Schools	Rudyard Area Schools
Ishpeming Area WWT Authority	Menominee Housing Comm	Sault Ste Marie Housing Comm
Ishpeming Housing Commission	Mount Pleasant Housing Comm	Schoolcraft Community Schools
Johannesburg-Lewiston Schools	Munising Housing Commission	Schoolcraft County
Kent City Community Schools	Munising Public Schools	Shelby Township
Kent County	Napoleon Community Schools	Shiawassee County
Kingsford Housing Commission	Negaunee Housing Commission	St Clair Shores Lakeview PS
Kirtland Community College	Negaunee Public Schools	St Ignace Area Schools
L'Anse Area Schools	Negaunee-Ishpeming WTP	Stanton Twp Public Schools
Lapeer Community Schools	Niles Community Schools	Stephenson Area Schools
Lewis Cass ISD	North Central MI College	Stevensville Lakeshore Public Sch
Luce County	Northwestern Michigan College	Tahquamenon Area Schools
Mackinaw City Public Schools	Norway-Vulcan Area Schools	Traverse City Housing Comm
Mancelona Public Schools	Oakland Community College	Traverse City Public Schools
Manistee Area Public Schools	Onkama Consolidated Schools	Tuscola County ISD
Manistee County Library System	Onsted Community Schools	Village of Mackinaw City
Manistee Housing Commission	Oscoda Area School District	Wakefield School District
Manistique Area Schools	Pellston Public Schools	West Iron County Public Schools
Manistique Housing Commission	Perry Public Schools	Western Michigan University

Marlette Community Schools	Petoskey Public Schools	Western School District
Marquette Area Public Schools	Portage Public Schools	Wexford County
Marquette County	Rapid River Public Schools	Whitefish Township Schools
Marquette County (Sawyer AFB)	Reed City Area Public Schools	Williamston Community Schools
Marquette County Road Comm	Reed City Housing Commission	

Bay de Noc College MTEC Northern Lights Project (Level 1 Energy Audits)

American Eagle Airlines, Sawyer AFB MI	EMP, Escanaba MI
Bonifas Art Center, Escanaba MI	Escanaba Holy Name, Escanaba MI
Cuppad Regional Commission, Escanaba MI	Escanaba St Anne, Escanaba MI
Cushman, Kingsford MI	Ingham County Housing Commission, Lansing MI
Detroit East Catholic School, Detroit MI	Lakestate Industries, Escanaba MI
LE Jones, Menominee MI	Nelson Paint Company, Kingsford MI
Marquette County South YMCA, Sawyer AFB MI	OSF St Francis Hospital, Escanaba MI
Marquette General Hospital, Marquette MI	Penstar Office Center, Escanaba MI
Marquette Holiday Inn, Marquette MI	River Terrace Apts, Cadillac MI
Marquette Ramada Inn, Marquette MI	St Francis de Sales School, Manistique MI
Menominee Catholic Central, Menominee MI	Stewart Manufacturing, Spalding MI
Midwest Skills Development Center, Sawyer AFB	West Highland Apts, Escanaba MI



From 2000-2005 G-ENERGY conducted more than 200 Level 2 energy audits on multifamily buildings throughout Michigan, working with over a dozen property management firms in conjunction with Rural Development, HUD, and MSHDA programs.

G-ENERGY is an Energy Star® Partner and, since 2004, has performed hundreds of Energy Star® benchmarks on applicable buildings, which is the first step in qualifying a building for the Energy Star® Label.