

Author Index

To Use this Author Index: Scroll down to find an author or use the bookmarks in the left-hand frame to move to a new location in this index. Click on a **white paper title** to view an author's paper. To return to this index, click on the **PREVIOUS MENU** bookmark in the left frame.

A

Aardsma, Jonathan J.

E2 and P2 Improvement Opportunities in Secondary Aluminum Processing: A Case Study

Adelaar, Martin

GHG Reduction Through Industrial Energy Efficiency in the Developing World: The GERBI and CBLA Projects—Variations on a Theme

Energy Benchmarking & Best Practices in Canadian Textiles Wet Processing

Ahlberg, Dave R.

A Competitive Bidding Program to Encourage Industrial Energy Efficiency

Alghandoor, Ahmed

Projected Impact of Industrial Assessment Center Program Recommendations on U.S. Manufacturing Energy Consumption

Alvey, Gerald

Metrics-Based Approach to Achieving Sustainable Energy Conservation

Ambs, Lawrence

The Influence of Distributed Energy Resources on the Hourly Clearing Price of Electricity in a Restructured Market

Anderson, B.

Energy Efficiency Measures in the Wood Manufacturing Industry

Anderson, Marge

Creating Lasting Energy Efficiency Behavior Change through Education & Training

Aragão, Raymundo

GHG Reduction Through Industrial Energy Efficiency in the Developing World: The GERBI and CBLA Projects—Variations on a Theme

Asdal, Robert

Making Pump Systems Matter

Aue, Jerry L.

Energy Audit Uncovers Major Energy Savings for Paper Mill

B

Baker, Raymond P.

Life Inside a Corporate Energy Consumer

Baker, Greg

Industry in Vermont: Making It Successful for All of Us

Achieving Wastewater Market Transformation through Customer-Focused, Customized Services

Beebe, Christopher

The Influence of Distributed Energy Resources on the Hourly Clearing Price of Electricity in a Restructured Market

Bell, Zack

Sustainable Development through By-Product Synergy

Bertoldi, Paolo

Will Emission Trading Promote End-Use Energy Efficiency and Renewable Energy Projects?

Are Voluntary Approaches an Effective Energy Policy Instrument? Insights and Experiences from Europe

Bhatnagar, Raj

Energy Resource Management Based on Data Mining and Artificial Intelligence

Biol, Fatih

Global Energy Scenarios: Perspectives for Energy Efficiency Improvements in Manufacturing

Bourgeois, Tom

Current and Potential CHP Use in the NY/New England Food Processing Sector

Boyd, Gale A.

Motivating Industrial Energy Efficiency Through Performance-Based Indicators

Measuring Plant Level Energy Efficiency When Production Activities Are Not Homogeneous: The ENERGY STAR Energy Performance Indicator

Bronfman, Ben

Industrial Process and Equipment Efficiency in Oregon: An Evaluation of the Energy Trust's Production Efficiency Program

Brown, Marilyn A.

Emerging Industrial Innovations to Create New Energy Efficient Technologies

Energy Data Modeling and Analysis for Improved Energy Management Planning and Performance

Brown, Michael L.

Examining Factors that Influence the Commitment to Energy Master Planning in Industrial Organizations

Energy Data Modeling and Analysis for Improved Energy Management Planning and Performance

Bürer, Mary Jean

Will Emission Trading Promote End-Use Energy Efficiency and Renewable Energy Projects?

C

Campbell, Glen S.

Canada's EnerGuide for Industry Website for Energy-Efficient Industrial Products

Cassidy, Rosa

Boiling the Wort and Cooling the Brew: Combined Heat and Power Opportunities for Small and Regional Brewers

Chia Yen Ling

Benchmarking Industrial Building Energy Performance

Chimack, Michael J.

E2 and P2 Improvement Opportunities in Secondary Aluminum Processing: A Case Study

Chisholm, Kelly-Ann

Canada's EnerGuide for Industry Website for Energy-Efficient Industrial Products

Chow, Sandra

Energy Efficiency Opportunities in Fresh Fruit and Vegetable Processing/
Cold Storage Facilities

Coffman, Eric R.

Boiling the Wort and Cooling the Brew: Combined Heat and Power Opportunities for Small and
Regional Brewers

Coito, Fred

Case Study of the California Cement Industry

California Industrial Energy Efficiency Potential

Cozzi, Laura

Global Energy Scenarios: Perspectives for Energy Efficiency Improvements in Manufacturing

Craparo, Joe

In Situ, Real Time Measurement of Aluminum, Steel, and Glass Melt Chemistries Using Laser
Induced Breakdown Spectroscopy

D

D' Antonio, Mark

Optimization of Industrial Refrigeration Plants: Including a Case Study at Stonyfield
Farm Yogurt

Energy Education and Technical Assistance for Industrial Facility Managers: Assessing Benefits
and Energy Impacts

Energy Efficiency Opportunities in the Stone and Asphalt Industry

D' Errico, Edward

Cutting Energy Costs and Speeding Manufacture of Cosmetic Formulations Using Novel Mixing
and Monitoring Methods

Dantoin, Tim

Sustain the Gain by Filling Gaps in Your Energy Management Program

Dauidsdottir, Brynhildur

Fuel Mix Diversity, Sustainability, and Energy Security

Pulp Non-Fiction: Dynamic Modeling of Industrial Systems

Day, Frederick

GHG Reduction Through Industrial Energy Efficiency in the Developing World: The GERBI and CBLA Projects—Variations on a Theme

de la Rue du Can, Stephane

Reducing California's Greenhouse Gas Emissions through Product Life-Cycle Optimization

De Saro, Robert

In Situ, Real Time Measurement of Aluminum, Steel, and Glass Melt Chemistries Using Laser Induced Breakdown Spectroscopy

DeFrees, John

Traditional and Non-Traditional Applications of Condensing Heat Exchangers

Degens, Philipp

Great Expectations: Five Projects That Did Not Have their Predicted Market Transformation Effects

den Heijer, W. L.

Quantification of the Potential and Benefits of Process Improvements Using Process Energy Optimization Methodologies

Dickerson, Amy

Traditional and Non-Traditional Applications of Condensing Heat Exchangers

Dixon, Randal

Optimization of Industrial Refrigeration Plants: Including a Case Study at Stonyfield Farm Yogurt

Drake, Lisa

Optimization of Industrial Refrigeration Plants: Including a Case Study at Stonyfield Farm Yogurt

Duffy, Brian

Metrics-Based Approach to Achieving Sustainable Energy Conservation

Dutrow, Elizabeth

Motivating Industrial Energy Efficiency Through Performance-Based Indicators

E

Eaton, Gillian

Turning Methane into Money: Cost-Effective Methane Co-Generation Using Microturbines at a Small, Rural Wastewater Plant

Achieving Wastewater Market Transformation through Customer-Focused, Customized Services

Elliott, R. Neal

Role of Energy Efficiency in Insuring Affordable Industrial Energy

Epstein, Gary

Optimization of Industrial Refrigeration Plants: Including a Case Study at Stonyfield Farm Yogurt

Energy Education and Technical Assistance for Industrial Facility Managers: Assessing Benefits and Energy Impacts

Erpelding, Ben

Small Oil-Less Centrifugal Compressors: Bringing Energy Efficiency and Reduced Costs to Chiller Plants

F

Fisher, Chris

Energy Efficiency Opportunities in the Stone and Asphalt Industry

Fisher, Michael

Fuel Mix Diversity, Sustainability, and Energy Security

Fok, Stephen

An Integrated Program Approach to Saving Energy in the Municipal Water and Wastewater Sector

G

Friedmann, Rafael

Case Study of the California Cement Industry

California Industrial Energy Efficiency Potential

Gaherty, Dan

Industry in Vermont: Making It Successful for All of Us

Galitsky, Christina

Benchmarking and Self-Assessment in the Wine Industry

Energy Efficiency Improvement in the Petroleum Refining Industry

Ganji, Ahmad R.

Energy Efficiency Opportunities in Fresh Fruit and Vegetable Processing/
Cold Storage Facilities

Ganz, Alan

Cutting Energy Costs and Speeding Manufacture of Cosmetic Formulations Using Novel Mixing
and Monitoring Methods

Gardner, John

Methods and Results for Measuring Non-Energy Benefits in the Commercial and
Industrial Sectors

Giffin, Tom

Sustain the Gain by Filling Gaps in Your Energy Management Program

Gopalakrishnan, B.

Energy Efficiency Measures in the Wood Manufacturing Industry

Grobler, L. J.

Quantification of the Potential and Benefits of Process Improvements Using Process Energy
Optimization Methodologies

Gupta, D.P.

Energy Efficiency Measures in the Wood Manufacturing Industry

H

Gutierrez, Jose A.

Wireless Sensors and Networks for Advanced Energy Management

Hackett, Bryan

Energy Efficiency Opportunities in Fresh Fruit and Vegetable Processing/
Cold Storage Facilities

Hamann, Mark R.

Process Water Heating Yields Hot Savings

Hanson, Donald A.

Tripling the Nation's Clean Energy Technologies: A Case Study in Evaluating the Performance of
Energy Policy Models

Hardy, James E.

Wireless Sensors and Networks for Advanced Energy Management

Harris, Jeff

Great Expectations: Five Projects That Did Not Have their Predicted Market
Transformation Effects

Hatanaka, Takuro

Residential Computer Usage Patterns, Reuse and Life Cycle Energy Consumption in Japan

Healy, Patrick

Benchmarking and Self-Assessment in the Wine Industry

Hildreth, Al

Landfill Gas Direct Use in Industrial Facilities

Hinrichs, Doug

Current and Potential CHP Use in the NY/New England Food Processing Sector

Hollingsworth, Alison

Achieving Wastewater Market Transformation through Customer-Focused,
Customized Services

Horowitz, Marvin J.

The Impact of Industrial Sector Programs on Electricity Use: Econometric Estimates at the National Level

Howell, DeWayne

Industry in Vermont: Making It Successful for All of Us

Howells, Mark

Industrial Efficiency as an Economic Development Strategy for South Africa

J

Jago, Philip B.

Canadian Industry Program for Energy Conservation: The Voluntary Approach to Improving Industrial Energy Efficiency in Canada

Jessen, Brenda

Creating Lasting Energy Efficiency Behavior Change through Education & Training

Johnson, Richard R.

A 100 Motor Study: Investigating Pre-EPA Act Motors as a Subset of the Industrial Motor Population for its Effects on the Economics of Motor Replacement, Preliminary Results

Jones, Ted

An Integrated Program Approach to Saving Energy in the Municipal Water and Wastewater Sector

Justiniano, Mauricio

Energy Use, Loss and Opportunities Analysis for U.S Manufacturing and Mining

Jutras, James L.

Turning Methane into Money: Cost-Effective Methane Co-Generation Using Microturbines at a Small, Rural Wastewater Plant

Jutsen, Jonathan

"Leadership and Management Practices in Industrial Energy Efficiency": Achieving Real Change in Energy Management/DSM in Industry—Breakthrough or Illusion?

K

Kaufman, Nicole M.

A 100 Motor Study: Investigating Pre-EPA Act Motors as a Subset of the Industrial Motor Population for its Effects on the Economics of Motor Replacement, Preliminary Results

Key, Ginny T.

Examining Factors that Influence the Commitment to Energy Master Planning in Industrial Organizations

Kissock, Kelly

Modeling and Simulation of Air Compressor Energy Use

Lean Energy Analysis: Guiding Industrial Energy Reduction Efforts to the Theoretical Minimum Energy Use

Benchmarking Approaches: An Alternate Method to Determine Best Practice by Examining Plant-Wide Energy Signatures

Kleinman, Jonathan

Savings Estimates for Dust Collection System Controls: Strategies Used and Lessons Learned

Kolwey, Neil

The Changing U.S. Industrial Landscape

Kosanovic, Dragoljub

The Influence of Distributed Energy Resources on the Hourly Clearing Price of Electricity in a Restructured Market

Kulkarni, Pramod

Government Funded RD&D Program for Industrial Energy Efficiency: California Perspective & Experience

Kuruganti, Phani Teja V.

Wireless Sensors and Networks for Advanced Energy Management

Kynoch, Brad

Energy Benchmarking & Best Practices in Canadian Textiles Wet Processing

L

Laitner, John A. "Skip"

Industrial Efficiency as an Economic Development Strategy for South Africa

Emerging Industrial Innovations to Create New Energy Efficient Technologies

Tripling the Nation's Clean Energy Technologies: A Case Study in Evaluating the Performance of Energy Policy Models

Global Energy Scenarios: Perspectives for Energy Efficiency Improvements in Manufacturing

Lawas, Adam

Industrial Process Improvements & Energy Efficiency

Leach, Robert

Ancillary Savings and Production Benefits in the Evaluation of Industrial Energy Efficiency Measures

Lee, K. C.

Sustainable Development through By-Product Synergy

Lee Siew Eang

Benchmarking Industrial Building Energy Performance

Lemoine, Yves

Energy Benchmarking & Best Practices in Canadian Textiles Wet Processing

Lendrum, Jacqueline M.

Examples Where CHP Cuts Costs and Improves Reliability at Industrial Sites

Leuthauser, Rick

A Competitive Bidding Program to Encourage Industrial Energy Efficiency

Levy, Dana L.

Examples Where CHP Cuts Costs and Improves Reliability at Industrial Sites

Li Aixian

Linking Energy Efficiency and ISO: Creating a Framework for Sustainable Industrial Energy Efficiency

Li Tienan

Linking Energy Efficiency and ISO: Creating a Framework for Sustainable Industrial Energy Efficiency

Lung, Robert Bruce

Ancillary Savings and Production Benefits in the Evaluation of Industrial Energy Efficiency Measures

M

Mangan, Andy

Sustainable Development through By-Product Synergy

Manges, Wayne W.

Wireless Sensors and Networks for Advanced Energy Management

Mardikar, Y.

Energy Efficiency Measures in the Wood Manufacturing Industry

Marley, Darrell

Savings Estimates for Dust Collection System Controls: Strategies Used and Lessons Learned

Marr, Michael

A Competitive Bidding Program to Encourage Industrial Energy Efficiency

Marsh, Donald

Ancillary Savings and Production Benefits in the Evaluation of Industrial Energy Efficiency Measures

Masanet, Eric

Reducing California's Greenhouse Gas Emissions through Product Life-Cycle Optimization

California Industrial Energy Efficiency Potential

Mate, A.

Energy Efficiency Measures in the Wood Manufacturing Industry

Matheson, George

GHG Reduction Through Industrial Energy Efficiency in the Developing World: The GERBI and CBLA Projects—Variations on a Theme

McCowan, Brian

Optimization of Industrial Refrigeration Plants: Including a Case Study at Stonyfield Farm Yogurt

Energy Education and Technical Assistance for Industrial Facility Managers: Assessing Benefits and Energy Impacts

McKane, Aimee

Making Pump Systems Matter

Linking Energy Efficiency and ISO: Creating a Framework for Sustainable Industrial Energy Efficiency

Ancillary Savings and Production Benefits in the Evaluation of Industrial Energy Efficiency Measures

McRae, Marjorie

Industrial Process and Equipment Efficiency in Oregon: An Evaluation of the Energy Trust's Production Efficiency Program

Meffert, William A.

Energy Data Modeling and Analysis for Improved Energy Management Planning and Performance

Mehta, D. Paul

An Analysis of Data at an Industrial Assessment Center for Improving Energy Efficiency

Miller, Robert A.

E2 and P2 Improvement Opportunities in Secondary Aluminum Processing: A Case Study

Moman, Annika

Small Oil-Less Centrifugal Compressors: Bringing Energy Efficiency and Reduced Costs to Chiller Plants

Monte de Ramos, Kevin

Inside Québec Energy Efficiency Initiatives

Moray, Satyen

Optimization of Industrial Refrigeration Plants: Including a Case Study at Stonyfield Farm Yogurt

Energy Efficiency Opportunities in the Stone and Asphalt Industry

Muller, Michael R.

The Return of the Steam Engine

Murphree, Edward A.

Alternative Energy for the Chemical Processing Industry

N

Najafi, S. M. (Ellie)

An Analysis of Data at an Industrial Assessment Center for Improving Energy Efficiency

Nicol, John

Key Best Practices for Process Energy Use in Four Energy Intensive Industries

Sustain the Gain by Filling Gaps in Your Energy Management Program

The Challenge of Impacting Process Energy Use: Successes from Using the Cluster Program Approach

Nordqvist, Joakim

Who and How to Rein China's Industrial Energy?

Norup, Jessica

Best Practice Benchmarking in Energy Efficiency: Canadian Automotive Parts Industry

O

Olszewski, Mitchell

Integrating Fan System Best Practices and Fan System Assessment Tool (FSAT) Programmatically into Motor Management Strategies

Oudshoff, Bianca

Effectiveness and Efficiency of Product Life Cycle Policy: Monitoring Efforts and Effectiveness in Voluntary Agreements in the Netherlands

P

Patil, Yogesh

Benchmarking Approaches: An Alternate Method to Determine Best Practice by Examining Plant-Wide Energy Signatures

Pellegrino, Joan

Technology Roadmap for Energy Loss Reduction and Recovery: Top Twenty Opportunities

Energy Use, Loss and Opportunities Analysis for U.S Manufacturing and Mining

Perry, Wayne

Linking Energy Efficiency and ISO: Creating a Framework for Sustainable Industrial Energy Efficiency

Persson, Agneta

Are Voluntary Approaches an Effective Energy Policy Instrument? Insights and Experiences from Europe

Peters, Jane S.

Industrial Process and Equipment Efficiency in Oregon: An Evaluation of the Energy Trust's Production Efficiency Program

Phelan, Patrick

Projected Impact of Industrial Assessment Center Program Recommendations on U.S. Manufacturing Energy Consumption

Pierce, Sue

Energy Audit Uncovers Major Energy Savings for Paper Mill

Plummer, R.W.

Energy Efficiency Measures in the Wood Manufacturing Industry

Posch, Wolfgang

Organizational Success Criteria for Effective Energy Management in an Energy Intensive International Holding Company

Powell, Frank

Case Study of the California Cement Industry

Price, Lynn

Case Study of the California Cement Industry

Reducing California's Greenhouse Gas Emissions through Product Life-Cycle Optimization

Voluntary Agreements for Energy Efficiency or GHG Emissions Reduction in Industry: An Assessment of Programs Around the World

California Industrial Energy Efficiency Potential

Q

Quinn, James

Technology Roadmap for Energy Loss Reduction and Recovery: Top Twenty Opportunities

Energy Use, Loss and Opportunities Analysis for U.S Manufacturing and Mining

R

Radgen, Peter

Comparing Efficiency: Internet-Based Benchmarking for Compressed Air Systems

Radspieler Jr., Anthony

Integrating Fan System Best Practices and Fan System Assessment Tool (FSAT) Programmatically into Motor Management Strategies

Benchmarking and Self-Assessment in the Wine Industry

Rao, Chandan

Metrics-Based Approach to Achieving Sustainable Energy Conservation

Energy Resource Management Based on Data Mining and Artificial Intelligence

Rappa, Richard F.

Industrial Process Improvements & Energy Efficiency

Reinhardt, William W.

Oil Depletion and Industrial Adaptation in New York State

S

Rezessy, Silvia

Will Emission Trading Promote End-Use Energy Efficiency and Renewable Energy Projects?

Are Voluntary Approaches an Effective Energy Policy Instrument? Insights and Experiences from Europe

Robinson, Tony

Energy Benchmarking & Best Practices in Canadian Textiles Wet Processing

Rufo, Mike

California Industrial Energy Efficiency Potential

Russell, Christopher

Energy Management Pathfinding: Understanding Manufacturers' Ability and Desire to Implement Energy Efficiency

Saint-Laurent, Isabelle

Canada's EnerGuide for Industry Website for Energy-Efficient Industrial Products

Schepp, Craig

Key Best Practices for Process Energy Use in Four Energy Intensive Industries

The Challenge of Impacting Process Energy Use: Successes from Using the Cluster Program Approach

Schmidt, Chris

Modeling and Simulation of Air Compressor Energy Use

Energy Efficiency Opportunities in the Stone and Asphalt Industry

Schoonmaker, Mackenzie

Current and Potential CHP Use in the NY/New England Food Processing Sector

Scott, Steven

Industrial Process and Equipment Efficiency in Oregon: An Evaluation of the Energy Trust's Production Efficiency Program

Seryak, John

Lean Energy Analysis: Guiding Industrial Energy Reduction Efforts to the Theoretical Minimum Energy Use

Energy Education and Technical Assistance for Industrial Facility Managers: Assessing Benefits and Energy Impacts

Energy Efficiency Opportunities in the Stone and Asphalt Industry

Benchmarking Approaches: An Alternate Method to Determine Best Practice by Examining Plant-Wide Energy Signatures

Shiple, Anna Monis

Role of Energy Efficiency in Insuring Affordable Industrial Energy

Skumatz, Lisa A.

Methods and Results for Measuring Non-Energy Benefits in the Commercial and Industrial Sectors

Socks, Michael

The Promise of All-Electric Injection Molding Machines: A Promise Kept?

Starzer, Otto

Combining IPPC and Emission Trading: An Assessment of Energy Efficiency and CO₂ Reduction Potentials in the Austrian Paper Industry

Steigelmann, William H.

Boiling the Wort and Cooling the Brew: Combined Heat and Power Opportunities for Small and Regional Brewers

Stiles, Geoff

GHG Reduction Through Industrial Energy Efficiency in the Developing World: The GERBI and CBLA Projects—Variations on a Theme

Swaine, Jeffrey

Cutting Energy Costs and Speeding Manufacture of Cosmetic Formulations Using Novel Mixing and Monitoring Methods

Swanson, Matthew D.

E2 and P2 Improvement Opportunities in Secondary Aluminum Processing: A Case Study

T

Tannenbaum, Ken

Tools to Drive Energy Efficiency Improvements

Taylor, Glenda

Best Practice Benchmarking in Energy Efficiency: Canadian Automotive Parts Industry

Canadian Industry Program for Energy Conservation: The Voluntary Approach to Improving Industrial Energy Efficiency in Canada

Thekdi, Arvind

Energy Use, Loss and Opportunities Analysis for U.S Manufacturing and Mining

Throop, Nathan

Energy Efficiency Opportunities in the Stone and Asphalt Industry

Tutterow, Vestal

Making Pump Systems Matter

U

Unander, Fridtjof

Global Energy Scenarios: Perspectives for Energy Efficiency Improvements in Manufacturing

V

Villalobos, Rene

Projected Impact of Industrial Assessment Center Program Recommendations on U.S. Manufacturing Energy Consumption

Vuyk, Ernst

Effectiveness and Efficiency of Product Life Cycle Policy: Monitoring Efforts and Effectiveness in Voluntary Agreements in the Netherlands

W

Weaver, Edward M.

A Competitive Bidding Program to Encourage Industrial Energy Efficiency

Weber, Henry

Cutting Energy Costs and Speeding Manufacture of Cosmetic Formulations Using Novel Mixing and Monitoring Methods

Weisberg, Arel

In Situ, Real Time Measurement of Aluminum, Steel, and Glass Melt Chemistries Using Laser Induced Breakdown Spectroscopy

Welch, Daniel

A 100 Motor Study: Investigating Pre-EPA Act Motors as a Subset of the Industrial Motor Population for its Effects on the Economics of Motor Replacement, Preliminary Results

Williams, Eric

Residential Computer Usage Patterns, Reuse and Life Cycle Energy Consumption in Japan

Williams, Robert

Linking Energy Efficiency and ISO: Creating a Framework for Sustainable Industrial Energy Efficiency

Worrell, Ernst

Case Study of the California Cement Industry

Benchmarking and Self-Assessment in the Wine Industry

Reducing California's Greenhouse Gas Emissions through Product Life-Cycle Optimization

Energy Efficiency Improvement in the Petroleum Refining Industry

California Industrial Energy Efficiency Potential

Wroblewski, Ronald G.

Integrating Fan System Best Practices and Fan System Assessment Tool (FSAT) Programmatically into Motor Management Strategies

Z

Wu, Qingzhong

Sustainable Development through By-Product Synergy

Zechiel, Susanne

Benchmarking and Self-Assessment in the Wine Industry

Zhang, Zhihong

Promoting Industrial Energy Efficiency in Developing Countries: An Overview of the Global Environment Facility and its Project Portfolio

Zietlow, David

An Analysis of Data at an Industrial Assessment Center for Improving Energy Efficiency