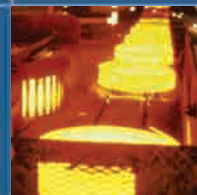


Energy Trends in Selected Manufacturing Sectors:

Opportunities and Challenges
for Environmentally Preferable
Energy Outcomes



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U.S. Environmental Protection Agency

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List of Acronyms

AA	Aluminum Association
ACC	American Chemistry Council
ACEEE	American Council for an Energy-Efficient Economy
AE	Anode effects
AEO	<i>Annual Energy Outlook</i>
AGF	American Gas Foundation
AF&PA	American Forest & Paper Association
AI	Alternative ironmaking
AISI	American Iron and Steel Institute
APMA	Automotive Parts Manufacturers' Association of Canada
ASM	<i>Annual Survey of Manufacturers</i>
BART	Best Available Retrofit Technology
BOF	Basic oxygen furnace
BOH	Basic open hearth
BPA	Bonneville Power Administration
Btu	British thermal units
CAA	Clean Air Act
CAP	Criteria air pollutant
CEF	<i>Scenarios for a Clean Energy Future</i>
CEPA	Clean Energy Program Administrators
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CHP	Combined heat and power
CKD	Cement kiln dust
CO	Carbon monoxide
CO ₂	Carbon dioxide
CTL	Coal-to-liquids
DG	Distributed generation
DR	Demand response
DOE	U.S. Department of Energy
DOL	U.S. Department of Labor
DOT	U.S. Department of Transportation
DSW	Definition of solid waste
EAF	Electric arc furnace
EERE	Energy Efficiency and Renewable Energy (DOE)
EIA	Energy Information Administration (DOE)
EO	Executive Order
EPA	U.S. Environmental Protection Agency
EPI	Environmental Performance Indicator
FERC	Federal Energy Regulatory Commission
FIRE	Food Industry Resource Efficiency
GDP	Gross domestic product
GHG	Greenhouse gas
GTL	Gas-to-liquids
HAP	Hazardous air pollutant
HVAC	Heating, ventilating, and air conditioning
IGCC	Integrated gasification combined cycle
IOF	Industries of the Future (DOE)
IRS	Internal Revenue Service (U.S. Department of the Treasury)
ISO	International Organization for Standardization
ITP	Industrial Technologies Program (DOE)
KBtu	Thousand Btu
lb	Pound
LBNL	Lawrence Berkeley National Laboratory
LPG	Liquified petroleum gas
MACT	Maximum Achievable Control Technology
MBtu	Million Btu
MECS	<i>Manufacturing Energy Consumption Survey</i>
NAAQS	National Ambient Air Quality Standards
NAICS	North American Industry Classification System

List of Acronyms

NEI	National Emissions Inventory
NEMS	National Energy Modeling System
NESHAP	National Emission Standards for Hazardous Air Pollutants
NGL	Natural gas liquids
NH ₃	Ammonia
NOx	Nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NSPS	New Source Performance Standards
NSR	New Source Review
O&M	Operations and maintenance
OAQPS	Office of Air Quality Planning and Standards (EPA)
OAR	Office of Air and Radiation (EPA)
OEM	Original equipment manufacturer
OPEI	Office of Policy, Economics, and Innovation (EPA)
OSHA	Occupational Safety and Health Administration (DOL)
OSW	Office of Solid Waste (EPA)
PCA	Portland Cement Association
PEL	Permissible exposure limit
PFC	Perfluorocarbon
PM	Particulate matter
ppm	Parts per million (pollutant)
PSD	Prevention of Significant Deterioration
PURPA	Public Utility Regulatory Policies Act
PV	Photovoltaic
R&D	Research and development
RCRA	Resource Conservation and Recovery Act
RD&D	Research, development, and demonstration
ROI	Return on investment
RSE	Relative Standard Error
RTO	Regenerative thermal oxidizer
SCC	Source Classification Code (NEI)
SGP	Strategic Goals Program
SIC	Standard Industrial Classification
SO ₂	Sulfur dioxide
SOBOT	Saving One Barrel of Oil per Ton (AISI initiative)
SOCMA	Synthetic Organic Chemical Manufacturers Association
SOx	Sulfur oxides
SPCC	Spill Prevention Countermeasures and Control
SSD	Sector Strategies Division (EPA)
SSP	Sector Strategies Program (EPA)
STAC	State Technologies Advancement Collaborative
TBtu	Trillion Btu
TPY	Tons per year (emissions)
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey (U.S. Department of the Interior)
VAIP	Voluntary Aluminum Industrial Partnership
VOC	Volatile organic compound

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