

# Green Chemistry Program Nomination Table

This table contains information on each unique technology nominated for the Presidential Green Chemistry Challenge from 1996 through 2016. Although EPA has received 1,714 nominations during this period, only 871 unique technologies are represented here because sponsors may nominate a technology more than once.

The columns are:

Year: The year of the most recent nomination for this technology.

Winner: The status of each nomination as an award-winning technology or a nominee.

Nomination Sponsor: The sponsor or sponsors of the nomination; generally, the name of the company, academic researcher (and institution), or other organization that developed the technology.

Nominated Technology Title: The title for the nominated technology as given by the sponsor. Each title is followed by a link to the associated summary page (for award-winning technologies) or abstract (for all other technologies).

City: The city given in the nomination; this is usually the city of the headquarters for a company or primary location of an academic institution, but may be the city of a plant or research facility. In a few cases, the city is that of a consultant who prepared the nomination.

State (St.): The state given in the nomination; as for the city of nomination, this may not represent the headquarters for a company or the primary location of an academic institution.

Also, download similar information about all nominated technologies as either:

1. a [Presidential Green Chemistry Challenge Nominations \(XLS\)](#)(2 pp, 3 MB) ([Download Excel Viewer](#)) [Exit](#)
2. a [Presidential Green Chemistry Challenge Nominations \(CSV\)](#)(1 pg, 2 MB)

## Nomination Table

Sort alphabetically or by year, use the search function, or both together.

To search, enter at least three characters in the box:

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1996	No	Advanced Micro Devices (AMD)	<a href="#">The Emission Quantification Model (abstract)</a>	Austin	TX
1996	No	Bayer Corporation	<a href="#">Aldimine-Isocyanate Chemistry: a Foundation for Environmentally- Friendly High Solids Coatings (abstract)</a>	Pittsburgh	PA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1996	Yes	Donlar Corporation	<a href="#">Production and Use of Thermal Polyaspartic Acid (summary)</a>	Bedford Park	IL
1996	Yes	Dow Chemical Company, The	<a href="#">100 Percent Carbon Dioxide as a Blowing Agent for the Polystyrene Foam Sheet Packaging Market (summary)</a>	Midland	MI
1996	No	Eastman Chemical Company	<a href="#">Water-Dispersible Sulfopolyester for Reduced VOC Consumer Products (abstract)</a>	Kingsport	TN
1996	No	GE Plastics (General Electric Corporation)	<a href="#">New Catalyst for Producing ULTEM® Thermoplastic Resin (abstract)</a>	Mt. Vernon	IN
1996	Yes	Holtzapple, Mark; Texas A&M University	<a href="#">Conversion of Waste Biomass to Animal Feed, Chemicals, and Fuels (summary)</a>	College Station	TX
1996	No	Hudlicky, Tomas; University of Florida	<a href="#">Enzyme-Assisted Conversion of Aromatic Substances to Value-Added End Products. Exploration of Potential Routes to Biodegradable Materials and New Pharmaceuticals (abstract)</a>	Gainesville	FL
1996	No	Merck & Co., Inc.	<a href="#">Waste Minimization in the Manufacture of an Antibiotic Produced by Chemical Synthesis (abstract)</a>	Whitehouse Station	NJ
1996	Yes	Monsanto Company	<a href="#">Catalytic Dehydrogenation of Diethanolamine (summary)</a>	St. Louis	MO
1996	No	Recombinant BioCatalysis, Inc. (RBI)	<a href="#">Development of a Biodiversity Search and Enzyme Optimization Technology (abstract)</a>	Sharon Hill	PA
1996	Yes	Rohm and Haas Company	<a href="#">Designing an Environmentally Safe Marine Antifoulant (summary)</a>	Spring House	PA
1996	No	Stanson Corporation	<a href="#">National Conversion to Low Sudsing Hand Dish Detergents for Industrial, Institutional, and Especially Consumer Application (abstract)</a>	S. Kearny	NJ
1996	No	Taylor, Larry T.; Virginia Tech and Virginia Tech Intellectual Properties	<a href="#">A Nontoxic Liquid Metal Composition for Use as a Mercury Substitute (abstract)</a>	Blacksburg	VA
1996	No	Tremco, a BF Goodrich Company	<a href="#">Automotive Windshield Adhesives (abstract)</a>	Akron	OH
1996	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">A Microwave Oven Dissolution Procedure for a Ten Gram Sample of Soil Requiring Radiochemical Analysis (abstract)</a>	Los Alamos	NM
1996	No	U.S. Department of Energy, Los Alamos	<a href="#">Two-Stage Catalyst for NO<sub>x</sub> Reduction, CO Oxidation, and Hydrocarbon</a>	Washington	DC

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
		National Laboratory; Phillips, Jonathan; Pennsylvania State University	<a href="#">Combustion in Oxygen Containing Exhaust Mixtures (abstract)</a>		
1996	No	U.S. Department of Energy, Office of Industrial Technologies Programs	<a href="#">The Alternative Feedstocks and Biological and Chemical Technologies Research Programs (abstract)</a>	Washington	DC
1997	Yes	Albright & Wilson Americas	<a href="#">THPS Biocides: A New Class of Antimicrobial Chemistry (summary)</a>	Ashland	VA
1997	No	Alliance for Environmental Technology (AET)	<a href="#">The Use of Chlorine Oxide, the Foundation of Elemental Chlorine-Free Bleaching for Pulp and Paper, as a Pollution Prevention Process (abstract)</a>	Washington	DC
1997	No	Altus Biologics Inc.	<a href="#">Cross-Linked Enzyme Crystals (CLECs) as Robust and Broadly Applicable Industrial Catalysts (abstract)</a>	Cambridge	MA
1997	No	American Chemical Corporation	<a href="#">Utilization of High Performance, Environmentally Compliant Chemicals: GREEN LINE Adhesive, Sealant, and Coating Technologies (abstract)</a>	Washington	DC
1997	No	Anderson, Marc A.; University of Wisconsin- Madison	<a href="#">Green Technology for the 21st Century: Microporous Ceramics (abstract)</a>	Madison	WI
1997	No	Benchmark Products, Inc.	<a href="#">Development of a Nickel Brightener Solution (abstract)</a>	Indianapolis	IN
1997	Yes	BHC Company (Hoechst Celanese)	<a href="#">BHC Company Ibuprofen Process (summary)</a>	Dallas	TX
1997	No	Circuit Research Corporation	<a href="#">A Nontoxic, Nonflammable, Aqueous- Based Cleaner/Degreaser and Associated Parts Washing Systems Commonly Employed in the Automotive Repair Industry (abstract)</a>	Delano	MN
1997	Yes	DeSimone, Joseph M.; University of North Carolina at Chapel Hill (UNC) and North Carolina State University (NCSU)	<a href="#">Design and Application of Surfactants for Carbon Dioxide (summary)</a>	Chapel Hill	NC
1997	No	Dow Chemical Company, The	<a href="#">INVERT<sup>TM</sup> Solvents in Aircraft Paint Stripping (abstract)</a>	Midland	MI
1997	No	Dumesic, James A.; University of Wisconsin- Madison	<a href="#">Rational Design of Catalytic Reactions for Pollution Prevention (abstract)</a>	Madison	WI

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1997	No	DuPont Company	<a href="#">The DUCARE 'Zero Effluent' Recycle Chemistry System (abstract)</a>	Wilmington	DE
1997	No	Eastman Chemical Company	<a href="#">Biodegradable Copolyester (abstract)</a>	Kingsport	TN
1997	No	Eastman Chemical Company	<a href="#">Biofiltration Technology (abstract)</a>	Kingsport	TN
1997	No	Eastman Chemical Company	<a href="#">Water-Dispersible Hot-Melt Adhesive Raw Material (abstract)</a>	Kingsport	TN
1997	No	Gross, Richard A.; University of Massachusetts Lowell	<a href="#">Biotechnological Routes to 'Tailored' Polymeric Products of Environmental and Industrial Importance (abstract)</a>	Lowell	MA
1997	No	Hatton, T. Alan; Massachusetts Institute of Technology	<a href="#">Derivatized and Polymeric Solvents for Minimizing Pollution During the Synthesis of Pharmaceuticals (abstract)</a>	Cambridge	MA
1997	No	Henkel Corporation	<a href="#">Alkyl Polyglycoside Surfactants (abstract)</a>	Ambler	PA
1997	No	Hughes Environmental Systems, Inc.	<a href="#">DryWash™ Carbon Dioxide Dry Cleaning Technology (abstract)</a>	El Segundo	CA
1997	No	IBM-Austin	<a href="#">Elimination of Ozone-Depleting Chemicals in the Printed Wire Board and Electronic Assembly and Test Processes (abstract)</a>	Austin	TX
1997	No	IBM-Austin	<a href="#">Innovative Techniques for Chemical and Waste Reductions in the Printed Wire Board Circuitize Process (abstract)</a>	Austin	TX
1997	Yes	Imation™ Corporation	<a href="#">DryView™ Imaging Systems (summary)</a>	Oakdale	MN
1997	No	King, Charles M.; University of Georgia	<a href="#">Biomimetic Transition Metal Complexes for Homogeneous Catalytic Reductive Dechlorination of the PCBs/One-Step Extraction-Detoxification in Subcritical and Supercritical Fluids (abstract)</a>	Athens	GA
1997	No	Klenzoid, Inc.	<a href="#">Zero Discharge System For Cooling Towers (abstract)</a>	Conshohocken	PA
1997	Yes	Legacy Systems, Inc.	<a href="#">Coldstrip™, A Revolutionary Organic Removal and Wet Cleaning Technology (summary)</a>	Fremont	CA
1997	No	Materials Technology Limited	<a href="#">SuperC™, The Use of Supercritical Carbon Dioxide (abstract)</a>	Reno	NV
1997	No	Molten Metal Technology, Inc.	<a href="#">Catalytic Extraction Processing (CEP) (abstract)</a>	Waltham	MA

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1997	No	Monsanto Company	<a href="#"><u>Roundup Ready™ Technology (abstract)</u></a>	St. Louis	MO
1997	No	Sandoz Pharmaceutical Corporation	<a href="#"><u>A New Process for the Manufacture of Pharmaceuticals (abstract)</u></a>	East Hanover	NJ
1997	No	Shaw, Henry; New Jersey Institute of Technology (NJIT)	<a href="#"><u>The Replacement of Hazardous Organic Solvents with Water in the Manufacture of Chemicals and Pharmaceuticals (abstract)</u></a>	Newark	NJ
1997	No	Technic, Inc.	<a href="#"><u>Noncyanide Silver Electroplating (abstract)</u></a>	Providence	RI
1997	No	Texaco, Inc.	<a href="#"><u>CleanSystem<sup>3</sup> Gasoline (abstract)</u></a>	White Plains	NY
1997	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>Application of Green Chemistry Principles to Eliminate Air Pollution From the Mexican Brickmaking Microindustry (abstract)</u></a>	Los Alamos	CA
1997	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>Solvent Replacement and Improved Selectivity in Asymmetric Catalysis Using Supercritical Carbon Dioxide (abstract)</u></a>	Los Alamos	NM
1997	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#"><u>DOE Methods for Evaluating Environmental and Waste Management Samples (abstract)</u></a>	Richland	WA
1998	No	AlliedSignal Federal Manufacturing and Technologies	<a href="#"><u>Synergy CCS™ Precision Cleaning Solvent: A Government/Industry Solution to a Complex Environmental Problem (abstract)</u></a>	Kansas City	MO
1998	No	Beckman, Eric J.; University of Pittsburgh	<a href="#"><u>Design of CO<sub>2</sub>-Soluble Ligands for Affinity Extraction Using CO<sub>2</sub> (abstract)</u></a>	Pittsburgh	PA
1998	No	CTS Corporation Resistor Networks	<a href="#"><u>No-Clean Soldering (abstract)</u></a>	Berne	IN
1998	No	Doherty, Michael F.; Malone, Michael F.; University of Massachusetts, Amherst	<a href="#"><u>Reactive Distillation Technology to Reduce Waste at the Source (abstract)</u></a>	Amherst	MA
1998	Yes	Draths, Karen M. and Frost, John W.; Michigan State University	<a href="#"><u>Use of Microbes as Environmentally Benign Synthetic Catalysts (summary)</u></a>	East Lansing	MI
1998	No	DuPont Company	<a href="#"><u>NAFION Membrane Technology (abstract)</u></a>	Wilmington	DE
1998	No	DuPont Company	<a href="#"><u>The INFINITY Process (abstract)</u></a>	Wilmington	DE

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1998	No	DuPont Polyester	<a href="#">DuPont Petretec(SM) Polyester Regeneration Technology - Making Polyester Evergreen (abstract)</a>	Wilmington	DE
1998	No	E. I. DuPont de Nemours & Co., Inc.	<a href="#">Zero Effluent Photographic Processing in the Printing Industry (abstract)</a>	Wilmington	DE
1998	No	Eastman Kodak Company	<a href="#">Polycarbonate/Polydimethylsiloxane Copolymers for Thermal Print Media (abstract)</a>	Rochester	NY
1998	No	Eastman Kodak Company	<a href="#">Replacement of Methanol Solutions with Aqueous Dispersions in Photographic Coatings (abstract)</a>	Rochester	NY
1998	No	Eli Lilly and Company	<a href="#">Waste Reduction During Development of a New Process for Manufacture of Pharmaceutical Products (abstract)</a>	Indianapolis	IN
1998	Yes	Flexsys America L.P.	<a href="#">Elimination of Chlorine in the Synthesis of 4-Aminodiphenylamine: A New Process That Utilizes Nucleophilic Aromatic Substitution for Hydrogen (summary)</a>	Akron	OH
1998	No	Govind, Rakesh; University of Cincinnati	<a href="#">Bioconversion of Carbon Dioxide into Organic Feedstocks (abstract)</a>	Cincinnati	OH
1998	No	Hendrickson, James B.; Brandeis University	<a href="#">The SYNGEN Program for Generation of Alternative Syntheses (abstract)</a>	Waltham	MA
1998	No	Lockheed Martin Tactical Aircraft Systems	<a href="#">Development and Implementation of Low Vapor Pressure Cleaning Solvent Blends (abstract)</a>	Fort Worth	TX
1998	No	Lockheed Martin Tactical Aircraft Systems (LMTAS)	<a href="#">Implementation and Verification of Aqueous Alkaline Cleaners (abstract)</a>	Fort Worth	TX
1998	No	MEMC Electronic Materials, Inc.	<a href="#">Elimination of Ozone-Depleting Chemicals Through the Use of a Water Soluble Adhesive "Green Wax" (abstract)</a>	St. Peters	MO
1998	No	Mobil Technology Company	<a href="#">Production of Cumene with Zeolite Catalyst--The Mobil/Badger Cumene Process (abstract)</a>	Paulsboro	NJ
1998	No	NICCA U.S.A., Inc.	<a href="#">Heavy Metals Free, Non-Formaldehyde Fixing Agent for Direct and Fiber Reactive Dyes (abstract)</a>	Fountain Inn	SC
1998	No	Nortel Technology	<a href="#">Molyphos: A Chromate-Free Alternative for Corrosion Protection of Metal Parts (abstract)</a>	Raleigh	NC
1998	No	Pharmacia and Upjohn, Inc.	<a href="#">Environmental Improvements from Redesigning the Commercial Manufacture of Progesterone (abstract)</a>	Kalamazoo	MI

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1998	No	Phillips Petroleum Company	<a href="#">Reduced Volatility Alkylation Process (abstract)</a>	Bartlesville	OK
1998	No	Praxair, Inc.	<a href="#">Liquid Oxidation Reactor (LOR) (abstract)</a>	Danbury	CT
1998	Yes	Pyrocool Technologies, Inc.	<a href="#">Technology for the Third Millennium: The Development and Commercial Introduction of an Environmentally Responsible Fire Extinguishment and Cooling Agent (summary)</a>	Lynchburg	VA
1998	No	Rochester Midland Corporation	<a href="#">Core Line of Cleaning Products (abstract)</a>	Rochester	NY
1998	Yes	Rohm and Haas Company	<a href="#">Invention and Commercialization of a New Chemical Family of Insecticides Exemplified by CONFIRM™ Selective Caterpillar Control Agent and the Related Selective Insect Control Agents MACH 2™ and INTREPID™ (summary)</a>	Philadelphia	PA
1998	No	Rybarczyk, James P.; Ball State University	<a href="#">Premature Degradation of Coolant Oil in the Machining of Magnesium in the Automobile Industry (abstract)</a>	Muncie	IN
1998	No	Stepan Company	<a href="#">Stepanfoam Water-Blown Polyurethane Foam HCFC-Free, Environmentally Friendly, Rigid Polyurethane Foam (abstract)</a>	Northfield	IL
1998	Yes	Trost, Barry M.; Stanford University	<a href="#">The Development of the Concept of Atom Economy (summary)</a>	Stanford	CA
1998	No	U.S. Department of Agriculture, Agricultural Research Service, Northwest Irrigation and Soils Research Laboratory	<a href="#">Polyacrylamide Technology Reduces Soil Erosion (abstract)</a>	Kimberly	ID
1998	No	U.S. Department of Defense, Office of Munitions; U.S. Department of Energy, Weapons Supported Research; Lawrence Livermore National Laboratory	<a href="#">Environmentally-Driven Preparation of Insensitive Energetic Materials (abstract)</a>	Livermore	CA
1998	Yes	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Novel Membrane-Based Process for Producing Lactate Esters – Nontoxic Replacements for Halogenated and Toxic Solvents (summary)</a>	Argonne	IL



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1998	No	U.S. Department of the Navy, Office of Naval Research; U.S. Department of the Navy, Naval Surface Warfare Center; DeSimone, Joseph, University of North Carolina; Aerojet Propulsion	<a href="#">Use of Carbon Dioxide as an Alternative Green Solvent for the Synthesis of Energetic Thermoplastic Elastomers (abstract)</a>	Arlington	VA
1998	No	U.S. Department of the Navy, Office of Naval Research; U.S. Department of the Navy, Naval Surface Warfare Center; U.S. Army Armament Research, Development and Engineering Center; U.S. Department of Energy, Los Alamos National Laboratory; Aerojet	<a href="#">Waste Reduction in the Production of an Energetic Material by Development of an Alternative Synthesis (abstract)</a>	Arlington	VA
1998	No	Union Camp Corporation	<a href="#">C-FREE™ Pulp Ozone Bleaching Project (abstract)</a>	Franklin	VA
1999	No	ABB Power T&D Company Inc.	<a href="#">Fully Biodegradable Vegetable Oil-Based Electrical Insulating Fluid (BIOTEMP™) (abstract)</a>	Raleigh	NC
1999	No	Akzo Nobel Business Unit Base Chemicals	<a href="#">A Durable Hydrodechlorination Catalyst for Selective Conversion of CCl4 to CHCl3 (abstract)</a>	Dobbs Ferry	NY
1999	No	Akzo Nobel Sub Business Unit Phosphorus Chemicals	<a href="#">Next Generation Fire-Resistant Fluids (abstract)</a>	Dobbs Ferry	NY
1999	No	American Society for Testing & Materials (ASTM)	<a href="#">Analysis of Liquid Hazardous Waste for Heavy Metals by Energy-Dispersive X-ray Fluorescence (EDXRF) Spectrometry (abstract)</a>	West Conshohocken	PA
1999	No	Antia, Jimmy E.; Govind, Rakesh; University of Cincinnati	<a href="#">Novel In-Situ Zeolite Coatings in Monoliths (abstract)</a>	Cincinnati	OH
1999	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">Metal Extraction and Recovery Using Carbon Dioxide (abstract)</a>	Pittsburgh	PA
1999	Yes	Biofine, Incorporated	<a href="#">Conversion of Low-Cost Biomass Wastes to Levulinic Acid and Derivatives (summary)</a>	Waltham	MA



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1999	Yes	Collins, Terry; Carnegie Mellon University	<a href="#"><u>TAM™ Oxidant Activators: General Activation of Hydrogen Peroxide for Green Oxidation Technologies (summary)</u></a>	Pittsburgh	PA
1999	No	Cussler, E.L.; University of Minnesota	<a href="#"><u>Pollution Preventing Lithographic Inks (abstract)</u></a>	Minneapolis	MN
1999	Yes	Dow AgroSciences LLC	<a href="#"><u>Spinosad: A New Natural Product for Insect Control (summary)</u></a>	Indianapolis	IN
1999	No	Dow Corning Corporation	<a href="#"><u>New Technology Converts Waste to Valuable Intermediates (abstract)</u></a>	Carrollton	KY
1999	No	Dow Corning Corporation	<a href="#"><u>Volatile Methyl Siloxanes: Environmentally Sound Solvent Systems (abstract)</u></a>	Midland	MI
1999	No	DuPont Company	<a href="#"><u>Reduction of Carbon Tetrachloride Emissions at the Source by the Development of a New Catalyst (abstract)</u></a>	Wilmington	DE
1999	No	Geon Company, The	<a href="#"><u>Increased Utilization of Raw Materials in the Production of Vinyl Chloride Monomer (abstract)</u></a>	Avon Lake	OH
1999	No	Harrell, J.W.; Lane, Allan M.; Jefcoat, I.A.; Nikles, David E.; The University of Alabama	<a href="#"><u>Waterborne Coating Formulations for Video Tape Manufacture (abstract)</u></a>	Tuscaloosa	AL
1999	No	Hauser, Inc.	<a href="#"><u>Paclitaxel Process Improvements (abstract)</u></a>	Boulder	CO
1999	No	IBM Corporation, T.J. Watson Research Center	<a href="#"><u>Green Card: A Biopolymer-Based and Environmentally Conscious Printed Wiring Board Technology (abstract)</u></a>	Yorktown Heights	NY
1999	No	Imation Corporation	<a href="#"><u>Imation No Process Plates (abstract)</u></a>	Oakdale	MN
1999	No	IMC-Agrico Company	<a href="#"><u>AGROTAIN® N-(n-butyl)Thiophosphoric Triamide (abstract)</u></a>	Bannockburn	IL
1999	No	International Metalizing Corporation	<a href="#"><u>Non Toxic Antifouling (abstract)</u></a>	Pennsauken	NJ
1999	No	Khalili, Nasrin R.; Arastoopour, Hamid; Walhof, Laura; Illinois Institute of Technology	<a href="#"><u>A Novel Waste Minimization Approach: Production of Carbon-Based Catalyst or Sorbent from Biosolids (abstract)</u></a>	Chicago	IL
1999	No	Ladisch, Michael R.; Purdue University	<a href="#"><u>Biobased Adsorbents for Desiccant Coolers (abstract)</u></a>	West Lafayette	IN
1999	Yes	Lilly Research Laboratories	<a href="#"><u>Practical Application of a Biocatalyst in Pharmaceutical Manufacturing (summary)</u></a>	Indianapolis	IN

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1999	No	Lin, Chhiu-Tsu; Northern Illinois University	<a href="#">Chrome-Free Single-Step In-Situ Phosphatizing Coatings (abstract)</a>	DeKalb	IL
1999	No	M.A. Hanna Color - Technical Center	<a href="#">Reducing VOC Emissions by Eliminating Painting and Labeling Operations with a New Color Laser Marking System for Plastic Parts (abstract)</a>	Suwanee	GA
1999	No	Mallinckrodt Inc.	<a href="#">The Removal of Oxides of Nitrogen by In Situ Addition of Hydrogen Peroxide to a Metal Dissolving Process (abstract)</a>	Chesterfield	MI
1999	No	Mathews, Alexander P.; Kansas State University	<a href="#">Waste Biomass Utilization in the Production of a Biodegradable Road Deicer (abstract)</a>	Manhattan	KS
1999	No	Monsanto Company	<a href="#">Metabolic Engineering of Crops for Commercial Production of Biodegradable Plastics (abstract)</a>	St. Louis	MO
1999	No	Nalco Chemical Company	<a href="#">Nalco Fuel Tech NO<sub>x</sub>OUT<sup>®</sup> Process (abstract)</a>	Naperville	IL
1999	No	Nalco Chemical Company	<a href="#">Nalco LAZON Technology (abstract)</a>	Naperville	IL
1999	No	Nalco Chemical Company	<a href="#">Nalco NALMET<sup>®</sup> Heavy Metal Removal Technology (abstract)</a>	Naperville	IL
1999	Yes	Nalco Chemical Company	<a href="#">The Development and Commercialization of ULTIMER<sup>®</sup>: The First of a New Family of Water-Soluble Polymer Dispersions (summary)</a>	Naperville	IL
1999	No	Nassaralla, Claudia Lage; Michigan Technological University	<a href="#">Waste Reduction and Recycling of Magnesite-Chrome Refractory into the Steelmaking Process (abstract)</a>	Houghton	MI
1999	No	Novon International	<a href="#">Natural Recycling of Plastics through Chemical and Biological Degradation (abstract)</a>	Tonawanda	NY
1999	No	Paquette, Leo A.; The Ohio State University	<a href="#">Environmental Advantages Offered by Indium-Promoted Carbon-Carbon Bond-Forming Reactions in Water (abstract)</a>	Columbus	OH
1999	No	Peretti, Steven W.; North Carolina State University	<a href="#">Biosynthetic Production of p-Hydroxybenzoate Improves Regiospecificity and Minimizes Byproduct Generation (abstract)</a>	Raleigh	NC
1999	No	Polaroid Corporation; Warner, John C.; University of Massachusetts Boston	<a href="#">Environmentally Benign Supramolecular Assemblies of Hydroquinones in Polaroid Instant Photography (abstract)</a>	Waltham	MA

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1999	No	Radiance Services Company	<a href="#">The Radiance Process: A Quantum Leap in Green Chemistry (abstract)</a>	Bethesda	MD
1999	No	Raghavan, Dharmaraj; Howard University	<a href="#">Design of Rubberized Concrete from Recycled Rubber Tires (abstract)</a>	Washington	DC
1999	No	Raghavan, Dharmaraj; Howard University	<a href="#">Novel Applications of Polymer Composite from Renewable Materials (abstract)</a>	Washington	DC
1999	No	Richard H. Fish, Lawrence Berkeley National Laboratory, University of California	<a href="#">Fluorous Biphasic Catalysis: A New Paradigm for the Separation of Homogeneous Catalysts from Their Reaction Substrates and Products, as Demonstrated in Alkane and Alkene Oxidation Chemistry (abstract)</a>	Berkeley	CA
1999	No	Rogers, Robin D.; University of Alabama	<a href="#">Green Separation Science and Technology: Using Environmentally Benign Polymers to Replace VOCs in Industrial Scale Liquid/Liquid or Chromatographic Separations (abstract)</a>	Tuscaloosa	AL
1999	No	Rowe, H. Alan; Norfolk State University	<a href="#">New Reducing Sugar Assay (abstract)</a>	Norfolk	VA
1999	No	SaLUT Inc.	<a href="#">Chemically Modified Crumb Rubber Asphalt (abstract)</a>	McLean	VA
1999	No	Sequa Chemicals, Inc.	<a href="#">Starch Graft Polymers as Phenolic Resin Extenders (abstract)</a>	Chester	SC
1999	No	Singh, Mono M.; Szafran, Zvi; Pike, Ronald M.; Merrimack College	<a href="#">National Microscale Chemistry Center: The Leader in Worldwide Implementation of Microscale Technology (abstract)</a>	North Andover	MA
1999	No	Solutia Inc.	<a href="#">Greenhouse Gases: From Waste to Product (abstract)</a>	St. Louis	MO
1999	No	Solvent Kleene Inc.	<a href="#">Non-Hazardous Degreaser that Degreases as Efficiently as Trichloroethane and Outperforms Aqueous Products (abstract)</a>	Peabody	MA
1999	No	Stepan Company	<a href="#">Stepan Company PA Lites Polyester Polyol (abstract)</a>	Northfield	IL
1999	No	Stewart, Jon D.; University of Florida	<a href="#">Engineered Baker's Yeast as a Means to Incorporate Biocatalysis Early in Process Design: Application to the Asymmetric Baeyer-Villiger Oxidation (abstract)</a>	Gainesville	FL
1999	No	Subramaniam, Bala; University of Kansas	<a href="#">A Novel Solid-Acid Catalyzed 1-Butene/Isobutane Alkylation Process (abstract)</a>	Lawrence	KS

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1999	No	Supratech Systems Inc.	<a href="#">Water Washable Flexo Photopolymer Plate "Flexceed" and Washout System (abstract)</a>	Charlotte	NC
1999	No	Synovec, Robert E.; University of Washington	<a href="#">Novel Chemical Analysis Technologies by Water Liquid Chromatography, Raman Spectroscopy, and High Speed Gas Chromatography (abstract)</a>	Seattle	WA
1999	No	Synthon Corporation	<a href="#">Development and Commercialization of High-Value Chemical Intermediates From Starch and Lactose. (abstract)</a>	Lansing	MI
1999	No	Tektronix, Inc.	<a href="#">Designing Safer Chemicals: Spitfire Ink (abstract)</a>	Wilsonville	OR
1999	No	Thompson, Stephen; Colorado State University	<a href="#">Small Scale Chemistry: Pollution Prevention in Inorganic Chemistry Instruction Program (abstract)</a>	Fort Collins	CO
1999	No	U.S. Army, U.S. Army Armament Research, Development, & Engineering Center	<a href="#">Use of Solid Catalysts in Pollution Prevention in the Nitration of Aromatic Compounds (abstract)</a>	Picatinny Arsenal	NJ
1999	No	U.S. Department of Energy, Albany Research Center	<a href="#">Chloride Free Processing of Aluminum Scrap (abstract)</a>	Albany	OR
1999	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">Biocatalytic and Biomimetic Process for the Synthesis of Nitroaromatic Intermediates and Destruction of Nitrocompounds, Including Explosives (abstract)</a>	Richland	WA
1999	No	U.S. Department of the Treasury, Bureau of Engraving and Printing	<a href="#">ISOMET: Development of an Alternative Solvent (abstract)</a>	Washington	DC
1999	No	Union Carbide Corporation	<a href="#">Splittable Surfactants (abstract)</a>	Danbury	CT
1999	No	United States Postal Service	<a href="#">Environmentally Benign Pressure Sensitive Adhesive Program (abstract)</a>	Washington	DC
1999	No	Varma, Rajender S.; Sam Houston State University	<a href="#">Solvent-Free Chemical Synthesis (abstract)</a>	Huntsville	TX
1999	No	Viasystems Technology Corporation	<a href="#">Solder Waste Reduction Environmental Project (abstract)</a>	Richmond	VA
1999	No	Washington State Department of Ecology	<a href="#">Washington State Pollution Prevention, Health, and Safety Initiative in Academic Chemistry Laboratories (abstract)</a>	Spokane	WA
1999	No	Weimer, Alan W.; University of Colorado	<a href="#">Vibrating Fluidized Bed Combustion Nitridation Processing Using Concentrated Solar Energy (abstract)</a>	Boulder	CO

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1999	No	Zyvax Incorporated	<a href="#">The Zyvax "Watershield" Mold Release (abstract)</a>	Boca Raton	FL
2000	No	3M Center	<a href="#">Hydrofluoroethers (HFEs)—The Right Balance of Properties (abstract)</a>	St. Paul	MN
2000	No	Albright & Wilson Americas, Inc.	<a href="#">A New Environmentally Friendly Corrosion Inhibitor (abstract)</a>	Glen Allen	VA
2000	No	AMSOIL Incorporated	<a href="#">Waste Oil Source Reduction Through Extended Oil Service Life (abstract)</a>	Superior	WI
2000	No	Arkenol Holdings, L.L.C.	<a href="#">Sugars from Lignocellulosic Materials for the Production of Bio-Based Fuels and Chemicals (abstract)</a>	Mission Viejo	CA
2000	No	BAT Technologies Inc.	<a href="#">Primer for Anti-Fouling Paint (abstract)</a>	New Rochelle	NY
2000	Yes	Bayer Corporation; Bayer AG (Germany)	<a href="#">Two-Component Waterborne Polyurethane Coatings (summary)</a>	Pittsburgh	PA
2000	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">Catalysts for the Copolymerization of Carbon Dioxide and Cyclic Ethers (abstract)</a>	Pittsburgh	PA
2000	No	Bergbreiter, David E.; Texas A&M University	<a href="#">The Use of Soluble Polymers to Recover Catalysts and to Control Catalytic Reactions (abstract)</a>	College Station	TX
2000	No	BetzDearborn, Inc.	<a href="#">Designing an Environmentally Friendly Copper Corrosion Inhibitor for Cooling Systems (abstract)</a>	Trevose	PA
2000	No	BIOCORP, Inc.	<a href="#">Biodegradable Thermoplastic Material (Mater-Bi™) (abstract)</a>	Redondo Beach	CA
2000	No	Brennecke, Joan F.; University of Notre Dame; Beckman, Eric J.; University of Pittsburgh	<a href="#">Ionic Liquid/CO<sub>2</sub> Biphase Systems: New Media for Green Processing (abstract)</a>	Notre Dame	IN
2000	No	Center for Forest Products Research, Inc.	<a href="#">Polymers and Plastics from Lignin Biomass (abstract)</a>	Albuquerque	NM
2000	No	CerOx Corporation	<a href="#">The CerOx Process: A Non-Thermal Alternative for Hazardous Waste Destruction (abstract)</a>	Sunnyvale	CA
2000	No	Chemecol, LLC	<a href="#">PVC Alternative Technology (abstract)</a>	Cornelius	NC
2000	No	Ciba Specialty Chemicals Corporation	<a href="#">Ashless Friction Modifier/Antioxidant for Lubricants (abstract)</a>	Tarrytown	NY
2000	No	Ciba Specialty Chemicals Corporation	<a href="#">New Organic Corrosion Inhibitors Help Replace Toxic Heavy Metals and Reduce Solvent Emissions (abstract)</a>	Tarrytown	NY
2000	Yes	Dow AgroSciences LLC	<a href="#">Sentricon™ Termite Colony Elimination System, A New Paradigm for Termite Control (summary)</a>	Indianapolis	IN

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2000	No	Eastman Kodak Company	<a href="#"><u>Minimizing Environmental Emissions by Using Different Solvents in Manufacturing Processes (abstract)</u></a>	Rochester	NY
2000	No	Eka Chemicals, Inc.	<a href="#"><u>SVP-Pure<sup>TM</sup> ClO<sub>2</sub> Process Technology (abstract)</u></a>	Marietta	GA
2000	No	Environmental Technology and Education Center, Inc. (ETEC)	<a href="#"><u>High Energy Efficiency, Environmentally Friendly Refrigerants (abstract)</u></a>	Albuquerque	NM
2000	No	Freeman, Harold S.; North Carolina State University	<a href="#"><u>Synthetic Dyes Based on Toxicological Considerations (abstract)</u></a>	Raleigh	NC
2000	No	H and H Associates, Inc.	<a href="#"><u>DUAL-ICE<sup>®</sup>: A Non-Toxic, Non-Caustic Instant Cold Compress (abstract)</u></a>	Bena	VA
2000	No	Ho, Nancy W. Y.; Purdue University	<a href="#"><u>Genetic Engineering of Saccharomyces Yeasts for Effective Production of Ethanol and Other Green Chemicals from Renewable Cellulosic Biomass (abstract)</u></a>	West Lafayette	IN
2000	No	IBM Research Division, Almaden Research Center	<a href="#"><u>The Chemical Kinetics Simulator Program (abstract)</u></a>	San Jose	CA
2000	No	IonEdge Corporation	<a href="#"><u>Zero-Waste Dry Plating of Cadmium (abstract)</u></a>	Fort Collins	CO
2000	No	KM Limited Inc.	<a href="#"><u>The PIX Module Software: Combining Life Cycle Assessment with Activity-Based Costing to Reduce Global Environmental Impact and Sustain Industrial Profitability (abstract)</u></a>	Virginia Beach	VA
2000	No	Knipple, Douglas C.; Cornell University	<a href="#"><u>In Vivo Synthesis of Lepidopteran Pheromone Precursors in Saccharomyces Cerevisiae: An Economical Process for the Production of Effective, Nontoxic, Environmentally Safe Insect Control Products (abstract)</u></a>	Geneva	NY
2000	No	Lubrizol Corporation, The	<a href="#"><u>Durable AMPS<sup>®</sup> Antimist Polymers for Aqueous Metalworking Fluids (abstract)</u></a>	Wickliffe	OH
2000	No	Lynd, Lee R.; Dartmouth College	<a href="#"><u>Overcoming the Recalcitrance of Cellulosic Biomass and Envisioning the Role of Biomass in a Sustainable World (abstract)</u></a>	Hanover	NH
2000	No	Mallinckrodt Baker Inc.	<a href="#"><u>Hydrogen Sulfide Elimination (abstract)</u></a>	Phillipsburg	NJ

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2000	No	Micell Technologies	<a href="#">The MICARE Liquid CO<sub>2</sub> Dry Cleaning Process (abstract)</a>	Raleigh	NC
2000	No	Mobil Oil Corporation	<a href="#">Membrane Separation in Solvent Lube Dewaxing (abstract)</a>	Fairfax	VA
2000	No	Morton International, Inc.	<a href="#">ADVAFLEX™ Organic Stabilizer (abstract)</a>	Cincinnati	OH
2000	Yes	RevTech, Inc.	<a href="#">Envirogluv™: A Technology for Decorating Glass and Ceramicware with Radiation-Curable, Environmentally Compliant Inks (summary)</a>	Edison	NJ
2000	No	Robbat, Jr., Albert; Tufts University	<a href="#">Cheminformatics: Faster, Better, Cheaper Chemical Analysis Software (abstract)</a>	Medford	MA
2000	No	Robbat, Jr., Albert; Tufts University	<a href="#">On-line Detection of Subsurface Pollutants by Thermal Extraction Cone Penetrometry-Thermal Desorption Gas Chromatography/Mass Spectrometry (abstract)</a>	Medford	MA
2000	Yes	Roche Colorado Corporation	<a href="#">An Efficient Process for the Production of Cytovene, a Potent Antiviral Agent (summary)</a>	Boulder	CO
2000	No	Solvax Manufacturing Company	<a href="#">Solvax Special 5501, an Anti-agglomerate and Stickies Neutralizer for the Paper Industry (abstract)</a>	Milwaukee	WI
2000	No	Tanko, James M.; Virginia Polytechnic Institute and State University	<a href="#">Green Chemistry Through the Use of Supercritical Fluids and Free Radicals (abstract)</a>	Blacksburg	VA
2000	No	TechMatch, Incorporated	<a href="#">N-Methylmorpholine-N-Oxide (NMMO): A Novel, Non-toxic, Reusable Solvent for Cellulose as Source Reduction in the Production of Textile Fibers (abstract)</a>	Saint Paul	MN
2000	No	U.S. Army, U.S. Army Edgewood Research, Development, and Engineering Center	<a href="#">Filter Leak Test Using Ozone-Benign Substances (abstract)</a>	Aberdeen Proving Ground	MD
2000	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Clean Diesel Breakthrough: Simultaneous Decrease in Emissions of Both Particulates and Oxides of Nitrogen During Combustion (abstract)</a>	Argonne	IL
2000	No	U.S. Environmental Protection Agency, National Risk	<a href="#">Oxygenation of Hydrocarbons by Photocatalysis: A Green Alternative (abstract)</a>	Cincinnati	OH



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		Management Research Laboratory			
2000	Yes	Wong, Chi-Huey; The Scripps Research Institute	<a href="#">Enzymes in Large-Scale Organic Synthesis (summary)</a>	La Jolla	CA
2001	No	Anderson Chemical Company	<a href="#">Total Impact Program - An Environmentally Preferable Program for Laundry (abstract)</a>	Litchfield	MN
2001	No	Aspen Systems, Inc.	<a href="#">Genetic Enhancement of an Anti-Freeze Protein (abstract)</a>	Marlboro	MA
2001	Yes	Bayer Corporation; Bayer AG (Germany)	<a href="#">Baypure™ CX (Sodium Iminodisuccinate): An Environmentally Friendly and Readily Biodegradable Chelating Agent (summary)</a>	Pittsburgh	PA
2001	No	Burlington Chemical Company, Inc.	<a href="#">Development of a Practical Model and Process to Systematically Reduce the Environmental Impact of Chemicals Utilized by the Textile and Related Industries (abstract)</a>	Burlington	NC
2001	No	CDTech	<a href="#">A New Process for Producing Dimethyl Carbonate (abstract)</a>	Pasadena	TX
2001	No	ChemNova Technologies, Inc.	<a href="#">Chrome-free Single-step In-situ Phosphatizing Coatings: Anti-fingerprint Coatings on Galvanized Steel (abstract)</a>	DeKalb	IL
2001	No	Clearmate, Inc.	<a href="#">ClearMate (abstract)</a>	Minneapolis	MN
2001	No	DeCopier Technologies, Inc.	<a href="#">Advanced, Ecologically Safe De-inking Technology to Recover High Quality Pulp from Secondary Fibers/or Recyclable Waste (abstract)</a>	Lawrence	MA
2001	No	DuPont Crop Protection	<a href="#">Biocatalytic Production of 5-Cyanovalleric Acid (abstract)</a>	Wilmington	DE
2001	No	Dynacs Engineering Co., Inc.	<a href="#">Oxidizer Scrubber Project (abstract)</a>	Kennedy Space Center	FL
2001	No	E. I. DuPont de Nemours & Co., Inc.	<a href="#">New Generation Adiponitrile Technology (abstract)</a>	Wilmington	DE
2001	Yes	EDEN Bioscience Corporation	<a href="#">Messenger®: A Green Chemistry Revolution in Plant Production and Food Safety (summary)</a>	Bothell	WA
2001	No	Evergreen Nylon Recycling LLC	<a href="#">Innovative Green Chemistry for Sustainable Manufacture of Caprolactam (abstract)</a>	Augusta	GA
2001	No	Huntsman Polyurethanes	<a href="#">Equipment Flushing Agent for the Polyurethane Industry (abstract)</a>	West Deptford	NJ

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2001	No	IBM Burlington (IBM Microelectronics Division)	<a href="#">Solvent Waste Reduction Via An Acetic Acid Bowl Cleaning Process (abstract)</a>	Essex Junction	VT
2001	Yes	Li, Chao-Jun; Tulane University	<a href="#">Quasi-Nature Catalysis: Developing Transition Metal Catalysis in Air and Water (summary)</a>	New Orleans	LA
2001	No	Mitzel, Thomas; Trinity College	<a href="#">Formation of Ene-Diyne Molecules Under Indium Mediated Aqueous Barbier-Conditioms (abstract)</a>	Hartford	CT
2001	No	Motorola Corporation; ULVAC Technologies, Inc.	<a href="#">Eliminating Solvents from Silicon Wafer Manufacturing (abstract)</a>	Austin	TX
2001	No	Nextec Applications, Inc.	<a href="#">Solventless Process for Improving Fabric Performance Properties (abstract)</a>	Vista	CA
2001	No	Northrup-Grumman	<a href="#">Non-Destructive Testing of Corrosion Under Coatings (abstract)</a>	Bethpage	NY
2001	Yes	Novozymes North America, Inc.	<a href="#">BioPreparation™ of Cotton Textiles: A Cost-Effective, Environmentally Compatible Preparation Process (summary)</a>	Franklinton	NC
2001	Yes	PPG Industries	<a href="#">Yttrium as a Lead Substitute in Cationic Electrodeposition Coatings (summary)</a>	Pittsburgh	PA
2001	No	PPG Industries, Inc.	<a href="#">Replacement of Asbestos in the Diaphragm Cell Process for Manufacture of Chlorine and Caustic Soda (abstract)</a>	Monroeville	PA
2001	No	QuesTek Innovations, LLC	<a href="#">Computational Design of Corrosion Resistant Steels for Structural Applications In Aircraft (abstract)</a>	Evanston	IL
2001	No	Rochester Midland Corporation	<a href="#">Development of an Effective, Coordinated Family of Safe, Green Cleaning and Maintenance Products (abstract)</a>	Rochester	NY
2001	No	U.S. Air Force, Air Force Research Laboratory	<a href="#">Sol-Gel Technology for Low-VOC, Non-Chromated Adhesive &amp; Sealant Applications (abstract)</a>	Wright Patterson AFB	OH
2001	No	U.S. Air Force, Air Force Research Laboratory	<a href="#">Replacement Non-Toxic Sealants for Standard Chromated Sealants and Repair (abstract)</a>	Wright Patterson AFB	OH
2001	No	U.S. Army, TACOM-ARDEC - Picatinny Arsenal, NJ	<a href="#">Primerless RTV Silicone Sealants/Adhesives (abstract)</a>	Picatinny Arsenal	NJ

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2001	No	U.S. Army, U.S. Army Armament Research, Development, and Engineering Center	<a href="#">Low VOC Chemical Agent Resistance Coatings (abstract)</a>	Picatinny Arsenal	NJ
2001	No	U.S. Army, U.S. Army Research Laboratory	<a href="#">Non-Polluting Composites Remanufacturing and Repair for Military Applications (abstract)</a>	Aberdeen Proving Ground	MD
2001	No	U.S. Army, U.S. Army Research Laboratory - Aberdeen Proving Ground, MD	<a href="#">Recycling Propellants in Non-Polluting Supercritical Fluids: Novel Computational Chemistry Models for Predicting Effective Solvents (abstract)</a>	Aberdeen Proving Ground	MD
2001	No	U.S. Department of Agriculture, National Center for Agricultural Utilization Research	<a href="#">Environmentally Benign Synthesis of Monoglyceride Mixtures Coupled With Enrichment by Supercritical Fluid Fractionation (abstract)</a>	Peoria	IL
2001	No	U.S. Department of Agriculture, National Center for Agricultural Utilization Research	<a href="#">Vegetable Oil Based Printing Inks and Their Environmental Advantages (abstract)</a>	Peoria	IN
2001	No	U.S. Environmental Protection Agency, National Risk Management Research Laboratory	<a href="#">Paris II Solvent Design Software (abstract)</a>	Cincinnati	OH
2002	No	AEGEANS, Inc.	<a href="#">Tasphox Water Treatment System (abstract)</a>	Harrisburg	PA
2002	No	Air Products and Chemicals, Inc.	<a href="#">DEOXO-FLUOR™ Reagent (abstract)</a>	Allentown	PA
2002	No	Applied CarboChemicals, Inc.	<a href="#">Bioderived Succinic Acid as a Platform for a Carbohydrate Chemistry (abstract)</a>	Alto	MI
2002	Yes	Beckman, Eric J.; University of Pittsburgh	<a href="#">Design of Non-Fluorous, Highly CO<sub>2</sub>-Soluble Materials (summary)</a>	Pittsburgh	PA
2002	No	Bristol-Myers Squibb Company	<a href="#">The Process Greenness Scorecard: Design for Environmental Health and Safety Through Green Chemistry (abstract)</a>	New York	NY
2002	Yes	Cargill Dow LLC	<a href="#">NatureWorks™ PLA Process (summary)</a>	Minnetonka	MN
2002	Yes	Chemical Specialties, Inc. (CSI)	<a href="#">ACQ Preserve®: The Environmentally Advanced Wood Preservative (summary)</a>	Charlotte	NC
2002	No	ChitinWorks America; Payne, Gregory F.;	<a href="#">Industry-University-Government Partnership for Converting Regional</a>	College Park	MD

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		University of Maryland Biotechnology Institute	<a href="#">Wastes into Chemical Products (abstract)</a>		
2002	No	Crisp, John N.; University of New Orleans Lakefront Campus	<a href="#">An Innovative Replacement for Chromium for Aluminum Coatings (abstract)</a>	New Orleans	LA
2002	No	Donohue, Marc; Johns Hopkins University	<a href="#">Supercritical Fluid Spray Application Process for Adhesives and Primers (abstract)</a>	Baltimore	MD
2002	No	Dordick, Jonathan S.; Rensselaer Polytechnic Institute	<a href="#">Development of Extraordinarily Active Biocatalysts for Highly Selective and Efficient Synthesis of Chemicals and Pharmaceuticals (abstract)</a>	Troy	NY
2002	No	DynynStyl Inc.	<a href="#">EcoFuel - A Safe and Effective Canned Heat Alternative (abstract)</a>	Lake Worth	FL
2002	No	EarthShell Corporation	<a href="#">EarthShell Packaging: Designed with the Environment in Mind (abstract)</a>	Lutherville	MD
2002	No	EPI Environmental Plastics Inc.	<a href="#">Totally Degradable Plastic Additives (TDPA™) (abstract)</a>	Conroe	TX
2002	No	Evans Cooling Systems, Inc.	<a href="#">The EVANS DE-TOX™ Process for the Detoxification of Ethylene Glycol (abstract)</a>	Sharon	CT
2002	No	ExxonMobil Chemical	<a href="#">Development of Two Unique Processes for Manufacturing High-Purity Cyclopentane from Dicyclopentadiene (abstract)</a>	Baytown	TX
2002	No	Farris, Richard J.; University of Massachusetts Amherst	<a href="#">Recycling of Cross-Linked Materials Via "High-Pressure High-Temperature Sintering": Redefining Thermosets (abstract)</a>	Amherst	MA
2002	No	GE Plastics	<a href="#">Recovery and Beneficial Use of Sodium Nitrite from a Wastewater Stream (abstract)</a>	Mount Vernon	IN
2002	No	Henkel Surface Technologies	<a href="#">Water-Based Synthesis and Purification of Mannich Base Modified Polyphenols (abstract)</a>	Madison Heights	MI
2002	No	Hill, Craig L.; Emory University; Weinstock, Ira A.; U.S. Department of Agriculture Forest Service, Forest Products Laboratory	<a href="#">Effluent-Free and Selective Delignification Using Only Oxygen and Water (abstract)</a>	Atlanta	GA
2002	No	Hudlicky, Tomas; University of Florida	<a href="#">Tandem Enzymatic-Electrochemical Methods for Green Manufacturing: Efficient Synthesis of Pharmaceuticals</a>	Gainesville	FL

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			<a href="#">from Halogenated Aromatic Waste (abstract)</a>		
2002	No	Hybrid Plastics	<a href="#">A Green Revolution with Nanostructured™ Chemicals (abstract)</a>	Fountain Valley	CA
2002	No	Itronics Metallurgical, Inc.	<a href="#">Fertilizer From Photowaste (abstract)</a>	Reno	NV
2002	No	Madison Chemical Company	<a href="#">Cadmium Replacement in Mechanical Coating (abstract)</a>	Madison	IN
2002	No	Mohan, Ram S.; Illinois Wesleyan University	<a href="#">Environmentally Friendly Organic Synthesis Using Bismuth Compounds (abstract)</a>	Bloomington	IL
2002	No	OMNOVA Solutions Inc.	<a href="#">Short Perfluoroalkyl Chain, Polymeric Fluorosurfactants as Wetting, Flow and Leveling Agents for Aqueous Coatings (abstract)</a>	Fairlawn	OH
2002	No	ONDEO Nalco Company	<a href="#">Nalco ACT – Advanced Condensate Treatment for Boiler Systems (abstract)</a>	Naperville	IL
2002	Yes	Pfizer, Inc.	<a href="#">Green Chemistry in the Redesign of the Sertraline Process (summary)</a>	New London	CT
2002	No	RADTECH International, North America	<a href="#">Eliminating Air Pollution (VOC and HAP) at the Source through the Use of Ultraviolet and Electron Beam Polymerization (abstract)</a>	Bethesda	MD
2002	Yes	SC Fluids, Inc.	<a href="#">SCORR – Supercritical CO<sub>2</sub> Resist Remover (summary)</a>	Nashua	NH
2002	No	SePRO Corporation	<a href="#">Integrated Methods for the Control of Aquatic Plants (IMCAP™): Innovative Chemical and Precision Technologies (abstract)</a>	Carmel	IN
2002	No	Sunshine Makers, Inc.	<a href="#">Crystal Simple Green® (abstract)</a>	Huntington Harbour	CA
2002	No	Tempyrox Company, Inc.	<a href="#">World-wide Elimination or Reduction of Solvent and Chemical Cleaning of Laboratory Glassware Using Thermal Pyrolysis-oxidation Chemistry (abstract)</a>	Dallas	TX
2002	No	U.S. Army, U.S. Army Soldier and Biological Chemical Command	<a href="#">Electronic and Photonic Polymers from Biocatalysis (abstract)</a>	Natick	MA
2002	No	U.S. Department of Agriculture, National Center for Agricultural Utilization Research	<a href="#">Environmentally Benign Two-Step Synthesis of Fatty Alcohol Mixtures Using Supercritical Carbon Dioxide (SC-CO<sub>2</sub>) and SC-CO<sub>2</sub>/Hydrogen Mixtures (abstract)</a>	Peoria	IL

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2002	No	U.S. Department of Agriculture, Southern Regional Research Center	<a href="#">Environmentally Benign Antibacterial Agents (abstract)</a>	New Orleans	LA
2002	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Autothermal Reforming Catalyst for Fuel Cells (abstract)</a>	Argonne	IL
2002	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Electrometallurgical Treatment of Nuclear Waste (abstract)</a>	Argonne	IL
2002	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Electrorefining of Spent Nuclear Fuel (abstract)</a>	Argonne	IL
2002	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Environmentally Benign Enzyme Reactor for Polymer Synthesis (abstract)</a>	Los Alamos	NM
2002	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">CSSX Process Demonstration (abstract)</a>	Richland	WA
2002	No	U.S. Navy, U.S. Naval Research Laboratory	<a href="#">Patterned Channel-Constrained Process for Additive Electroless Metal Deposition (abstract)</a>	Washington	DC
2002	No	U.S. Polychemical Corporation	<a href="#">Dispersit<sup>TM</sup>: A Waterbased Oil Dispersant for Oil Spills in Salt and Fresh Water (abstract)</a>	Chestnut Ridge	NY
2002	No	Young, Ming-Wan; Xanthos, Marino; New Jersey Institute of Technology	<a href="#">Melt Processing for Solvent-Less Manufacture of High Performance Dry Powder Coatings (abstract)</a>	Newark	NJ
2003	No	AC Products	<a href="#">Enviromask - A Zero VOC Method to Aircraft Metal Forming (abstract)</a>	Placentia	CA
2003	Yes	AgraQuest, Inc.	<a href="#">Serenade<sup>®</sup>: An Effective, Environmentally Friendly Biofungicide (summary)</a>	Davis	CA
2003	No	Allen, Christopher W.; University of Vermont; Peterson, Eric S.; Idaho National Engineering and Environmental Laboratory	<a href="#">Environmentally Benign Preparation and Polymerization of Phosphazene Polymers (abstract)</a>	Burlington	VT
2003	No	Allen, Dianne; University of Massachusetts Amherst	<a href="#">A Novel Additive System for Time-Controlled Degradation of Polypropylene (abstract)</a>	Jamaica Plain	MA

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2003	No	Allen, Robert D.; IBM Almaden Research Center; Carbonell, Ruben; North Carolina State University; DeSimone, Joseph M.; University of North Carolina at Chapel Hill; Gleason, Karen K.; Massachusetts Institute of Technology; Ober, Christopher K.; Cornell University	<a href="#">Environmentally Benign Lithography for Semiconductor Manufacturing (abstract)</a>	Chapel Hill	NC
2003	No	Buckman Laboratories International, Inc.	<a href="#">Enzymes as an Alternative to Toxic Materials for Treatment of Slime Deposits in the Paper Industry (abstract)</a>	Memphis	TN
2003	No	Crivello, James V.; Rensselaer Polytechnic Institute	<a href="#">Synthesis and Photopolymerization of Monomers Derived from Biorenewable Sources (abstract)</a>	Troy	NY
2003	No	Crompton Corporation	<a href="#">ACRAMITE™ - A New Selective and Safe Miticide (abstract)</a>	Greenwich	CT
2003	No	Deft, Inc.	<a href="#">Zero VOC Protective Coatings for Aerospace Applications (abstract)</a>	Irvine	CA
2003	Yes	DuPont	<a href="#">Microbial Production of 1,3-Propanediol (summary)</a>	Wilmington	DE
2003	No	Epmar Corporation	<a href="#">Kemiko and Sta-Crete Low VOC Architectural Coating (abstract)</a>	Santa Fe Springs	CA
2003	No	Flexabar Corporation	<a href="#">Aquagard Waterbase Antifouling Bottom Boat Paint (abstract)</a>	Lakewood	NJ
2003	Yes	Gross, Richard A.; Polytechnic University	<a href="#">New Options for Mild and Selective Polymerizations Using Lipases (summary)</a>	Brooklyn	NY
2003	No	H2OK Engineering	<a href="#">The Use of Vitamin C To Neutralize Oxidants Such as Chlorine in Drinking Water Which Is Often Discharged to the Environment (abstract)</a>	Mount Vernon	WA
2003	No	Hudlicky, Tomas; University of Florida	<a href="#">Direct Biocatalytic Synthesis of Functionalized Catechols: A Short Route to Combretastatin A-1 (abstract)</a>	Gainesville	FL
2003	No	Kaplan, David L.; Tufts University	<a href="#">Antioxidant-Functionalized Polymers (abstract)</a>	Medford	MA
2003	No	Kraus, George A.; Iowa State University	<a href="#">Photoacylation and Photoalkylation of Quinones (abstract)</a>	Ames	IA



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2003	No	Micro Interconnect Technology	<a href="#">An Economically Advantaged, Green Process, for the Fabrication of Printed Circuit Boards (abstract)</a>	Bedford	NH
2003	No	Nicolaou, K.C.; University of California, San Diego	<a href="#">Tandem Reactions, Cascade Sequences and Biomimetic Strategies in Chemical Synthesis (abstract)</a>	La Jolla	CA
2003	No	ONDEO Nalco Company	<a href="#">STABREX<sup>®</sup> Microorganism Control Chemical: An Environmentally Sensible Chlorine Alternative for Industrial Water Treatment (abstract)</a>	Naperville	IL
2003	No	Periana, Roy Anthony; University of Southern California	<a href="#">Low Temperature, Hydrocarbon Hydroxylation: The Key to Greener, Lower Cost Chemistry for Chemicals, Fuel and Power for the 21st Century (abstract)</a>	Los Angeles	CA
2003	No	Plug Power Inc.	<a href="#">High CO Tolerant Polymer Electrolyte Membrane Fuel Cell Technology (abstract)</a>	Latham	NY
2003	No	RajanBabu, T. V.; Ohio State University	<a href="#">Asymmetric Catalysis in Water: Hydroxyphosphine and Hydroxyphosphinite Ligands for Amino Acid Synthesis (abstract)</a>	Columbus	OH
2003	Yes	Shaw Industries, Inc.	<a href="#">EcoWorx<sup>TM</sup> Carpet Tile: A Cradle-to-Cradle Product (summary)</a>	Dalton	GA
2003	No	Shi, Yian; Colorado State University	<a href="#">An Environmentally Benign Asymmetric Epoxidation Me (abstract)</a>	Fort Collins	CO
2003	No	Smart Sonic Corporation	<a href="#">440-R SMT Detergent Hazardous Solvent Alternative for Printed Circuit Board Stencil Cleaning (abstract)</a>	Van Nuys	CA
2003	Yes	Süd-Chemie Inc.	<a href="#">A Wastewater-Free Process for Synthesis of Solid Oxide Catalysts (summary)</a>	Louisville	KY
2003	No	Syngenta Crop Protection, Inc.	<a href="#">Conversion of the Herbicide, Metolachlor, to S-Metolachlor in the U.S. Marketplace (abstract)</a>	Greensboro	NC
2003	No	Treyco Supply, Inc.	<a href="#">Development of a Safer and More Effective Biodegradable Antimicrobial Cleaning Product (abstract)</a>	Wilson	NC
2003	No	U.S. Air Force, Air Force Research Laboratory, Wright Patterson Air Force Base	<a href="#">New, Environmentally Protective Aircraft De-Icing Technology (abstract)</a>	Dayton	OH
2003	No	Wachs, Israel E.; Lehigh University	<a href="#">Converting Pollution to Profits: Valuable Chemicals &amp; Energy (abstract)</a>	Bethlehem	PA

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2003	No	Xerox Corporation	<a href="#"><u>Xerographic Dry Ink Resin Manufacturing Hazard &amp; Emission Reduction (abstract)</u></a>	Webster	NY
2004	No	Advanced Marine Technologies (AMT) BioProducts Corporation	<a href="#"><u>Reducing Nitrates in Buzzards Bay with the Production of Organic Gem<sup>®</sup> Fertilizer from New Bedford's Fish Processing Wastes (An SGNB Project) (abstract)</u></a>	South Dartmouth	MA
2004	No	BASF Corporation	<a href="#"><u>All-Acrylic Binders for Low VOC Architectural Coatings (abstract)</u></a>	Charlotte	NC
2004	No	Beckman, Eric J.; University of Pittsburgh	<a href="#"><u>In-Situ Generation of H<sub>2</sub>O<sub>2</sub> in CO<sub>2</sub> for Green Oxidations (abstract)</u></a>	Pittsburgh	PA
2004	No	Bergman, Robert G.; University of California at Berkeley	<a href="#"><u>Developing Highly Efficient C-H Activation of Hydrocarbons (abstract)</u></a>	Berkeley	CA
2004	No	Bose, Ajay K.; Stevens Institute of Technology	<a href="#"><u>Cost Effective Green Chemistry Approaches to Pharmaceuticals: Microwave Techniques &amp; "Grindstone Chemistry" for Solventless Reactions and Less Pollution (abstract)</u></a>	Hoboken	NJ
2004	Yes	Bristol-Myers Squibb Company	<a href="#"><u>Development of a Green Synthesis for Taxol<sup>®</sup> Manufacture via Plant Cell Fermentation and Extraction (summary)</u></a>	New York	NY
2004	Yes	Buckman Laboratories International, Inc.	<a href="#"><u>Optimize<sup>®</sup>: A New Enzyme Technology to Improve Paper Recycling (summary)</u></a>	Memphis	TN
2004	No	C.H. Thompson Co. Inc.	<a href="#"><u>Non Chromate Chemical Conversion Alternative Coating (abstract)</u></a>	Binghamton	NY
2004	No	Cargill, Inc.	<a href="#"><u>BioTrans<sup>®</sup> 1000 Soybean-Based Transformer Fluid (abstract)</u></a>	Wayzata	MN
2004	No	Dionysiou, Dionysios D.; University of Cincinnati	<a href="#"><u>Water Immiscible Room Temperature Ionic Liquids as Green Solvents for Extraction and In-Situ Photolytic Destruction of Environmental Organic Contaminants (abstract)</u></a>	Cincinnati	OH
2004	No	Dow Chemical Company, The	<a href="#"><u>n-Alkyl Propionate Ester Solvents (abstract)</u></a>	Midland	MI
2004	Yes	Eckert, Charles A.; Liotta, Charles L.; Georgia Institute of Technology	<a href="#"><u>Benign Tunable Solvents Coupling Reaction and Separation Processes (summary)</u></a>	Atlanta	GA
2004	No	Emisphere Technologies, Inc.	<a href="#"><u>Environmental Advantages Offered by Boric Acid Mediated Amidation Between a Carboxylic Acid and an</u></a>	Tarrytown	NY

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2004	Yes	Engelhard Corporation	<a href="#"><u>Amine to Form a Carboxamide, a Basic Unit of Peptides and Proteins (abstract)</u></a> <a href="#"><u>Engelhard Rightfit™ Organic Pigments: Environmental Impact, Performance, and Value (summary)</u></a>	Iselin	NJ
2004	No	Environmentally Sensitive Solutions, Inc.	<a href="#"><u>Utilization of Neutral Cleaners for Reducing Environmental and Health Impacts (abstract)</u></a>	Mequon	WI
2004	No	Ethyl Petroleum Additives Inc.	<a href="#"><u>Metal, Phenol and Ash-Free Antiwear Hydraulic Additive Providing Performance Previously Only Achieved by Use of Zinc Containing Additives (abstract)</u></a>	Richmond	VA
2004	No	Folia, Inc.	<a href="#"><u>Reactin Series™ AS Copolymers: Specialty Reactive Aspartic Acid Copolymers (abstract)</u></a>	Birmingham	AL
2004	No	Goodyear Tire & Rubber Company, The	<a href="#"><u>RPS Technology: Breakthrough Technology for Water-Based Paints, Coatings, Adhesives and Sealants (abstract)</u></a>	Akron	OH
2004	No	Janda, Kim D.; Lerner, Richard A.; The Scripps Research Institute	<a href="#"><u>Antibody Catalysis (abstract)</u></a>	La Jolla	CA
2004	No	Janssen Pharmaceutica Inc.	<a href="#"><u>ECONEA® 028: Designing and Developing a Metal-Free, Environmentally Safe, and Effective Antifoulant for Use Against Hard Fouling Marine Organisms (abstract)</u></a>	Titusville	NJ
2004	Yes	Jeneil Biosurfactant Company	<a href="#"><u>Rhamnolipid Biosurfactant: A Natural, Low-Toxicity Alternative to Synthetic Surfactants (summary)</u></a>	Saukville	WI
2004	No	Knockout Group, The	<a href="#"><u>"Knockout": A Dynamic Cleaning Experience, In a Colloidal Format, With Pollution Prevention Qualities (abstract)</u></a>	Chicago	IL
2004	No	LCP Tech Holdings LLC	<a href="#"><u>Development of Novel Liquid Crystal Polymers (abstract)</u></a>	Cincinnati	OH
2004	No	Li, Chao-Jun; Tulane University	<a href="#"><u>Developing Direct Catalytic Addition of Alkynes to Aldehydes and Imines in Water and under Solventless Conditions (abstract)</u></a>	New Orleans	LA
2004	No	PanTerra Technologies, Incorporated	<a href="#"><u>Reducing Domestic Petroleum Consumption by Twenty-five Percent (abstract)</u></a>	Goshen	CT

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2004	No	Plug Power Inc.	<a href="#">Demonstration of a Home Energy Station for Production of Electricity, Heat, and Hydrogen (abstract)</a>	Latham	NY
2004	No	Plug Power Inc.	<a href="#">Zero-to-Landfill Fuel Cell Systems (abstract)</a>	Latham	NY
2004	No	PPG Architectural Finishes, Inc.	<a href="#">Pure Performance "Zero" VOC Latex Coating (abstract)</a>	Pittsburgh	PA
2004	No	ProChemTech International, Inc.	<a href="#">ElectroBrom Biocide System (abstract)</a>	Brockway	PA
2004	No	Ragauskas, A.J.; Georgia Institute of Technology	<a href="#">Mill Designed Biobleaching Technologies (abstract)</a>	Atlanta	GA
2004	No	RD Chemical Company	<a href="#">ChemBond™ EC An Alternate Printed Circuit Board Oxide Process (abstract)</a>	Mountain View	CA
2004	No	Sahinidis, Nikolaos V.; University of Illinois at Urbana	<a href="#">A Systematic Methodology for the Design and Identification of Environmentally Benign Chemicals (abstract)</a>	Urbana	IL
2004	No	Sheth, Atul C.; University of Tennessee Space Institute	<a href="#">From Waste-to-Energy: Catalytic Steam Gasification of Poultry Litter (abstract)</a>	Tullahoma	TN
2004	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Formamide Replacement in Genetic Sequencing (abstract)</a>	Los Alamos	NM
2004	No	Ulano Corporation	<a href="#">Waste Minimization and Pollution Prevention Programs for the Production of Films &amp; Chemicals in the Graphic Arts Industry (abstract)</a>	Brooklyn	NY
2004	No	Uniseal Inc.	<a href="#">Elimination of Trichloroethylene, a Hazardous Air Pollutant (HAP), From A Production Process (abstract)</a>	Evansville	IN
2004	No	Zeller International	<a href="#">Aqua Form™, a water based, odorless, non-emissive, non-styrenated bonding/laminating resin for structural/advanced composites (abstract)</a>	Downsville	NY
2005	No	Afton Chemical Corporation	<a href="#">Metal-, Phenol-, and Ash-Free Antiwear Hydraulic Additive: Providing Performance Previously Only Achieved by Use of Zinc-Containing Additives (abstract)</a>	Richmond	VA
2005	No	Air Products Polymers, L.P.	<a href="#">Airflex® EF811 Vinyl Acetate Ethylene (VAE) Emulsion Polymer: A Binder for Environmentally Friendly, High-Performance, Cost-Effective Architectural Coatings (abstract)</a>	Allentown	PA

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2005	Yes	Archer Daniels Midland Company	<a href="#">Archer RC™: A Nonvolatile, Reactive Coalescent for the Reduction of VOCs in Latex Paints (summary)</a>	Decatur	IL
2005	Yes	Archer Daniels Midland Company; Novozymes	<a href="#">NovaLipid™: Low Trans Fats and Oils Produced by Enzymatic Interesterification of Vegetable Oils Using Lipozyme® (summary)</a>	Decatur	IL
2005	No	Atmospheric Glow Technologies, Inc.	<a href="#">Sterilization of Medical Devices with Atmospheric Plasma (abstract)</a>	KNO <sub>x</sub> ville	TN
2005	Yes	BASF Corporation	<a href="#">A UV-Curable, One-Component, Low-VOC Refinish Primer: Driving Eco-Efficiency Improvements (summary)</a>	Whitehouse	OH
2005	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">N-Vinyl Formamide: The "Greening" of a Green Replacement for Acrylamide (abstract)</a>	Pittsburgh	PA
2005	No	Bose, Ajay K.; Stevens Institute of Technology	<a href="#">Unconventional High-Efficiency Green Synthesis (abstract)</a>	Hoboken	NJ
2005	No	Chemical Compliance Systems, Inc.	<a href="#">Green Product and Munitions Compliance Analytical Systems (abstract)</a>	Lake Hopatcong	NJ
2005	No	Cholli, Ashok L.; University of Massachusetts Lowell	<a href="#">Biocatalytically Synthesized High-Performance Novel Antioxidants for Materials (abstract)</a>	Lowell	MA
2005	No	Cleary Chemical Corporation	<a href="#">ROACH TERMINAL™ Insect Control: A Non-toxic Alternative that Prevents the Development of Pest Cockroach Populations (abstract)</a>	Dayton	NJ
2005	No	Crane & Company, Inc.	<a href="#">Substitution with Carbon Dioxide Eliminates Major Use of Sulfuric Acid (abstract)</a>	Dalton	MA
2005	No	DeSimone, Joseph M.; University of North Carolina at Chapel Hill	<a href="#">Surfactant-Free Supercritical Carbon Dioxide Fluoroolefin Polymerization Technology (abstract)</a>	Chapel Hill	NC
2005	No	Dow BioProducts Ltd.	<a href="#">WOODSTALK™ Strawboard (abstract)</a>	Midland	MI
2005	No	Dow Chemical Company, The	<a href="#">VORANOL* VORACTIV* Polyols for Flexible Polyurethane Foams (abstract)</a>	Midland	MI
2005	No	Ecolab	<a href="#">Formula 1™ Laundry System (abstract)</a>	Inver Grove Heights	MN
2005	No	Eli Lilly and Company	<a href="#">An Improved Approach to the Preparation of Duloxetine and Atomoxetine (abstract)</a>	Lafayette	IN
2005	No	GlaxoSmithKline	<a href="#">Discovery and Development of a Green Process for Radafaxine (abstract)</a>	Philadelphia	PA

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2005	No	Harris Labs	<a href="#"><u>Evapo-Rust™: Nonhazardous Rust Removal by Selective Chelation (abstract)</u></a>	Springdale	AR
2005	No	Highland Supply Corporation	<a href="#"><u>Using Chemistry and Engineering Technology to Reduce Volatile Organic Compound (VOC) Emissions and Eliminate Hazardous Process Waste in the Printing Industry (abstract)</u></a>	Highland	IL
2005	No	International Chemical Products, Inc. (ICP)	<a href="#"><u>PICKLEX®: An Environmentally Safe Metal Surface Preparation and Pretreatment Chemical (abstract)</u></a>	Huntsville	AL
2005	No	Lonza, Inc.	<a href="#"><u>Equinox™: A Greener Approach to Microbiological Control (abstract)</u></a>	Fair Lawn	NJ
2005	No	MacRitchie, Finlay; Kansas State University	<a href="#"><u>The Application of Ultrasound to Catalyze Reactions in Some Industrial Processes (abstract)</u></a>	Manhattan	KS
2005	Yes	Merck & Co.	<a href="#"><u>A Redesigned, Efficient Synthesis of Aprepitant, the Active Ingredient in Emend®: A New Therapy for Chemotherapy-Induced Emesis (summary)</u></a>	Rahway	NJ
2005	Yes	Metabolix, Inc.	<a href="#"><u>Producing Nature's Plastics Using Biotechnology (summary)</u></a>	Cambridge	MA
2005	No	METSS Corporation	<a href="#"><u>Environmentally Friendly Aircraft Deicing Fluid (abstract)</u></a>	Westerville	OH
2005	No	Microcide, Inc.	<a href="#"><u>Technology of Safe, Biodegradable, and Non-Polluting Products as Alternatives to Toxic Microbicidal Chemicals (abstract)</u></a>	Troy	MI
2005	No	Novartis Pharmaceuticals Corporation	<a href="#"><u>Development of Green and Practical Processes Utilizing Dialkyl Carbonates as Alkylating Reagents (abstract)</u></a>	East Hanover	NJ
2005	No	Pfizer Global Research and Development	<a href="#"><u>A Green Process for the Synthesis of Quinapril Hydrochloride (abstract)</u></a>	New London	CT
2005	No	Pfizer Global Research and Development	<a href="#"><u>Separation of Racemic Tetralone (abstract)</u></a>	New London	CT
2005	No	Pfizer Global Research and Development	<a href="#"><u>The Discovery and Development of an Environmentally Benign Commercial Route to Sildenafil Citrate (abstract)</u></a>	New London	CT
2005	Yes	Rogers, Robin D.; University of Alabama	<a href="#"><u>A Platform Strategy Using Ionic Liquids to Dissolve and Process Cellulose for Advanced New Materials (summary)</u></a>	Tuscaloosa	AL

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2005	No	Rynex Holdings, Ltd.	<a href="#">RYNEX® Dry Cleaning Solution (abstract)</a>	Woodbury	NY
2005	No	Severtson, Steven J.; University of Minnesota	<a href="#">Research, Development, and Commercialization of Environmentally Benign Thermoplastic Pressure-Sensitive Adhesive Label Products (abstract)</a>	St. Paul	MN
2005	No	Stoller Enterprises, Inc.	<a href="#">Stoller STIMULATE: A Natural Product for Improving Crop Plant Performance and Enhancing Pest Resistance (abstract)</a>	Houston	TX
2005	No	U.S. Army, U.S. Army Engineer Research and Development Center	<a href="#">Environmentally Friendly Water Treatments for Control of Corrosion, Scale, and Bioactivity in Heating and Cooling Systems (abstract)</a>	Champaign	IL
2005	No	U.S. Army, U.S. Army Engineer Research and Development Center	<a href="#">Mold Prevention through the Novel Use of In Situ Electrochemistry to Eliminate Water Seepage in Concrete Structures (abstract)</a>	Champaign	IL
2005	No	Westech Aerosol Corporation	<a href="#">WT-HSC13: A High-Strength, Low-VOC Aerosol Adhesive (abstract)</a>	Port Orchard	WA
2006	No	ArchAngel Enterprises, LLC	<a href="#">Stalosan F Microbial and Environmental Control for Use in Housing of All Animals (abstract)</a>	Cedar Rapids	IA
2006	Yes	Arkon Consultants and NuPro Technologies, Inc.	<a href="#">Environmentally Safe Solvents and Reclamation in the Flexographic Printing Industry (summary)</a>	Winston Salem	NC
2006	No	Broin and Associates	<a href="#">BFRAC™ and BPX™: Launching the Biorefining Revolution (abstract)</a>	Sioux Falls	SD
2006	No	Bunge North America; Novozymes North America, Inc.	<a href="#">Enzymatic Degumming of Vegetable Oils: Reducing Environmental Impact and Improving Oil Yield (abstract)</a>	Saint Louis	MO
2006	No	Coastwide Laboratories	<a href="#">Sustainable Earth® Cleaning Products Designed for Health and the Environment (abstract)</a>	Wilsonville	OR
2006	Yes	Codexis, Inc.	<a href="#">Directed Evolution of Three Biocatalysts to Produce the Key Chiral Building Block for Atorvastatin, the Active Ingredient in Lipitor® (summary)</a>	Redwood City	CA
2006	No	Diwekar, Urmila; University of Illinois at Chicago	<a href="#">Greener by Design: An Efficient, Multiobjective Framework Under Uncertainty (abstract)</a>	Chicago	IL
2006	No	Dow AgroSciences LLC	<a href="#">Aminopyralid: Increasing Protection of Endangered Species through Improved</a>	Indianapolis	IN



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			<a href="#"><u>Management of Non-Native Plants While Maximizing Land Use and Significantly Reducing Herbicide Volume and Application (abstract)</u></a>		
2006	No	Dow AgroSciences LLC; U.S. Department of Agriculture, Agricultural Research Service	<a href="#"><u>GF-120™ NF Naturalyte™ Fruit Fly Bait (abstract)</u></a>	Indianapolis	IN
2006	No	DuPont Company	<a href="#"><u>Bioderived Solvents, Surfactants, Fuel Additives, and Monomers (abstract)</u></a>	Wilmington	DE
2006	No	DuPont Company	<a href="#"><u>New Asymmetric Hydroxylation Technology for the Commercial Manufacture of Indoxacarb (abstract)</u></a>	Wilmington	DE
2006	No	Duraflame, Inc.	<a href="#"><u>Duraflame® All-Natural Manufactured Firelog (abstract)</u></a>	Stockton	CA
2006	No	FluidPhase Technologies Inc.	<a href="#"><u>A Preproduction System for Re-Refining Used Oil Using Closed-Loop, Patented, Atomization Technology (abstract)</u></a>	Pittsburgh	PA
2006	No	Foster-Miller, Inc.	<a href="#"><u>Environmentally Advantaged Formulations for Aircraft Ice Control (abstract)</u></a>	Waltham	MA
2006	No	Garcia-Garibay, Miguel A.; University of California, Los Angeles	<a href="#"><u>Solvent-Free, Crystal-to-Crystal Photochemical Reactions: The Synthesis of Adjacent Stereogenic Quaternary Centers (abstract)</u></a>	Los Angeles	CA
2006	No	GE Plastics	<a href="#"><u>Flexible NORYL* Resins for Wire Coating (abstract)</u></a>	Selkirk	NY
2006	No	Go-Tec, Inc.	<a href="#"><u>Acetylene: A Viable Fuel Alternative for the Internal Combustion Engine (abstract)</u></a>	Columbia	MO
2006	No	GreenEarth® Cleaning, LLC	<a href="#"><u>GreenEarth® Cleaning, Dry Cleaning with Silicone Solvent (abstract)</u></a>	Kansas City	MO
2006	No	Halliburton Energy Services	<a href="#"><u>ACCOLADE™ Synthetic-Based Drilling Fluid System (abstract)</u></a>	Houston	TX
2006	No	HALOX	<a href="#"><u>New Water-Based Organic Corrosion Inhibitor (abstract)</u></a>	Hammond	IN
2006	No	Innovative Formulation Company	<a href="#"><u>Ecological Paint Antimicrobial Clear Coat (abstract)</u></a>	Tucson	AZ
2006	No	Interface Fabrics	<a href="#"><u>Closing the Loop with "Benign by Design" Biobased Fabrics and Backings (abstract)</u></a>	Grand Rapids	MI
2006	No	iSoy Technologies Corporation	<a href="#"><u>Biocatalytic Production of Biobased Personal Care Products (abstract)</u></a>	Trout Valley	IL

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2006	No	Johnson Polymer, LLC	<a href="#"><u>JONCRYL® FLX 5000: A High-Performance, Water-Based Polymer to Facilitate the Conversion from Solvent- to Water-Based Inks in Surface Film Flexible Packaging Printing (abstract)</u></a>	Sturtevant	WI
2006	No	JohnsonDiversey, Inc.	<a href="#"><u>A Novel Cleaning System Using Less Toxic, Safer Chemicals (abstract)</u></a>	Sturtevant	WI
2006	No	LANXESS Corporation	<a href="#"><u>Picaridin: A Safe, Effective, and Environmentally Friendly Insect Repellent that People Will Use (abstract)</u></a>	Pittsburgh	PA
2006	Yes	Merck & Co., Inc.	<a href="#"><u>Novel Green Synthesis for <math>\beta</math>-Amino Acids Produces the Active Ingredient in Januvia™ (summary)</u></a>	Rahway	NJ
2006	No	MLI Associates	<a href="#"><u>Environmentally Benign Deicing/Anti-Icing Agents (abstract)</u></a>	Shoreham	NY
2006	No	Montana Polysaccharides Corporation	<a href="#"><u>Multipurpose Exopolymer as a Raw Material (abstract)</u></a>	Rock Hill	SC
2006	No	Netravali, Anil N.; Cornell University	<a href="#"><u>Green Composites: Environment-Friendly and Fully Sustainable (abstract)</u></a>	Ithaca	NY
2006	No	Nike, Inc.	<a href="#"><u>Development of Nike Brand Footwear Outsole Rubber as Environmentally Preferred Material (abstract)</u></a>	Beaverton	OR
2006	No	Pfizer Global Research and Development	<a href="#"><u>Green Chemistry in the Redesign of the Celecoxib Process (abstract)</u></a>	New London	CT
2006	No	PostSaver USA	<a href="#"><u>PostSaver® (abstract)</u></a>	Memphis	TN
2006	No	Praxair, Inc.	<a href="#"><u>Oxygen-Enhanced Combustion for NO<sub>x</sub> Control (abstract)</u></a>	Tonawanda	NY
2006	No	Recovery Systems Inc.	<a href="#"><u>Innovative Process for Treatment of Hog Waste and Production of Saleable Products from This Waste (abstract)</u></a>	Wilmington	NC
2006	No	Rhodia Inc.	<a href="#"><u>Guar-Based Chemistry Advances Targeted Performance of Crop Sprays by Reducing Drift and Improving Retention (abstract)</u></a>	Cranbury	NJ
2006	No	Rohm and Haas Company; Johns Manville	<a href="#"><u>Invention and Commercialization of Environmentally Smart Thermosetting Binders (abstract)</u></a>	Philadelphia	PA
2006	No	Rust-Oleum Corporation	<a href="#"><u>Zero-VOC, Zero-HAP, No-Odor Industrial Coatings (abstract)</u></a>	Vernon Hills	IL
2006	Yes	S.C. Johnson & Son, Inc.	<a href="#"><u>Greenlist™ Process to Reformulate Consumer Products (summary)</u></a>	Racine	WI

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2006	No	Separation Technologies LLC	<a href="#">Beneficiation and Use of Coal Combustion Fly Ash: A Major Success in Reducing Solid Waste and Increasing Supplies of Construction Materials While Reducing Greenhouse Gas Emissions (abstract)</a>	Needham	MA
2006	Yes	Suppes, Galen J.; University of Missouri-Columbia	<a href="#">Biobased Propylene Glycol and Monomers from Natural Glycerin (summary)</a>	Columbia	MO
2006	No	Syngenta	<a href="#">Mesotrione and Callisto® Plant Technology (abstract)</a>	Washington	DC
2006	No	Tester, Jefferson W.; Massachusetts Institute of Technology	<a href="#">Replacing Organic Solvents and Homogeneous Catalysts with Water and Carbon Dioxide (abstract)</a>	Cambridge	MA
2006	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">Self-Assembled Monolayers on Mesoporous Silica Technology: A Green Alternative Synthesis of a Novel Adsorbent for Mercury Source Reduction (abstract)</a>	Richland	WA
2006	No	Ventana Research Corporation	<a href="#">Development of High Performance, Environmentally Benign Hard Disk Drive Polishing Fluids and Corrosion Inhibitors (abstract)</a>	South Tucson	AZ
2006	No	W.F. Taylor Co., Inc.	<a href="#">Meta-Tec™ Low-VOC, One-Component, Cross-Linking Adhesive: Innovative Science–Applied Technology (abstract)</a>	Dalton	GA
2006	No	Warner, John C.; University of Massachusetts Lowell	<a href="#">Bioinspired Thymine-Based Photopolymers: A Green Chemistry Platform for Innovation, Research, Education, and Outreach (abstract)</a>	Lowell	MA
2006	No	Xerox Corporation	<a href="#">Xerox’s Emulsion Aggregation Toner Technology (abstract)</a>	Webster	NY
2006	No	ZIVATECH Corporation	<a href="#">High-Efficiency Olefin to Polyolefin Process with Toxic Solvent Elimination (abstract)</a>	North Hills	CA
2006	No	ZIVATECH Corporation	<a href="#">New Biomass Catalytic Reforming Process for Solid Oxide Fuel Cell Power Generation (abstract)</a>	North Hills	CA
2007	No	3M Office Supplies Division Laboratory	<a href="#">Development of Water-Based Materials for Post-it® Super Sticky Notes (abstract)</a>	St. Paul	MN
2007	No	Advanced BioCatalytics Corporation	<a href="#">Uncoupling Biochemical Processes for Enhanced Biological Efficiency (abstract)</a>	Irvine	CA

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2007	No	Amerikal Products Corporation	<a href="#">Genesis® BRIGL Wash (abstract)</a>	Waukegan	IL
2007	No	Arch Treatment Technologies, Inc.	<a href="#">Wolman® AG Metal-Free Wood Preservative (abstract)</a>	Smyrna	GA
2007	No	Arkema Inc.	<a href="#">Green Chemistry in the Manufacture of Thioglycolic Acid (abstract)</a>	Philadelphia	PA
2007	No	Aspen Technology, Inc.	<a href="#">Correlating and Predicting Drug Molecule Solubility with a Nonrandom, Two-Liquid Segment Activity Coefficient Model (abstract)</a>	Cambridge	MA
2007	No	Barricade International, Inc.	<a href="#">Environmentally and Toxicologically Safe Firefighting Gel (abstract)</a>	Hobe Sound	FL
2007	No	BASF Corporation	<a href="#">A Non-HAP (Hazardous Air Pollutant) Coating for Extruded Aluminum (abstract)</a>	Southfield	MI
2007	No	Beaulieu Group, LLC	<a href="#">Nexterra™ Carpet: Modified PET Carpet Backing (abstract)</a>	Adairsville	GA
2007	No	Benchmark Performance Group, Inc.	<a href="#">GreensKeeper® Polymer Slurries for Oil and Gas Well Stimulation (abstract)</a>	Houston	TX
2007	No	Bristol-Myers Squibb Company	<a href="#">Irbesartan (Avapro®) Greenness Project (abstract)</a>	New York	NY
2007	No	Buckman Laboratories International, Inc.	<a href="#">Enzymes to Reduce Energy Use and Increase Recycling of Paper (abstract)</a>	Memphis	TN
2007	Yes	Cargill, Incorporated	<a href="#">BiOH™ Polyols (summary)</a>	Wayzata	MN
2007	No	Century Industrial Coatings Inc.	<a href="#">Nulo™ Technology: HAP-Free, Low-VOC, Water-Based, Air-Dry Coatings (abstract)</a>	Jacksonville	TX
2007	No	Changing World Technologies, Inc.	<a href="#">Waste to Renewable Diesel (abstract)</a>	West Hempstead	NY
2007	No	Cholli, Ashok L.; University of Massachusetts Lowell	<a href="#">High Performance Macromolecular Antioxidants for Materials: A Green Chemistry Approach (abstract)</a>	Lowell	MA
2007	No	Crosslink	<a href="#">Corrosion-Resistance without Chromium: On-Demand Release of Environmentally Safe, Non-Chromium Corrosion Inhibitors from Electroactive Polymer Coatings (abstract)</a>	Fenton	MO
2007	No	Dasgupta, Purnendu K.; The University of Texas at Arlington	<a href="#">A Green Analyzer for Arsenic in Drinking Water (abstract)</a>	Arlington	TX
2007	No	Eastman Chemical Company	<a href="#">Optifilm Enhancer 400 – A Nonvolatile Coalescent for Formulating High-Performance, Reduced-VOC Architectural Coatings (abstract)</a>	Kingsport	TN

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2007	No	Ecology Coatings	<a href="#">Green Chemistry for Industrial Coatings (abstract)</a>	Akron	OH
2007	No	ECOSIL Technologies LLC	<a href="#">New One-Step, Chromate-Free Anticorrosion Coatings for Aluminum Alloys and HDG Steel (abstract)</a>	Fairfield	OH
2007	No	Emerson & Cuming	<a href="#">Tin- and Copper-Compatible Conductive Adhesive for Lead-Free Electronic Circuit Assembly (abstract)</a>	Billerica	MA
2007	No	Environmentally Sensitive Solutions, Inc.	<a href="#">Liquid Seal and Nonhazardous Cleaner Eliminate Odor, Health, and Maintenance Problems Stifling the Acceptance and Implementation of Waterless Urinals (abstract)</a>	Mequon	WI
2007	No	Exelus, Inc.	<a href="#">ExSact – A "Green" Gasoline Technology (abstract)</a>	Livingston	NJ
2007	No	Exelus, Inc.	<a href="#">ExSyM – The Next Generation of Styrene Monomer Technology (abstract)</a>	Livingston	NJ
2007	No	Fungi Perfecti, LLC	<a href="#">Mycopesticides and Mycoattractants (abstract)</a>	Olympia	WA
2007	No	Georgia-Pacific Chemicals, LLC; Tao, Daniel, University of Kentucky	<a href="#">Georgia-Pacific Mining Reagents That Improve Recovery, Reduce Wastes, and Conserve Water and Other Natural Resources (abstract)</a>	Decatur	GA
2007	No	Georgia-Pacific Corporation	<a href="#">Nitamin Steady Delivery Fertilizers for Improved Nitrogen Efficiency in Crops (abstract)</a>	Decatur	GA
2007	No	Green Blue (Green Blue Institute)	<a href="#">CleanGredients™: Systems-Based Information Technology for Green Chemistry (abstract)</a>	Charlottesville	VA
2007	Yes	Headwaters Technology Innovation	<a href="#">Direct Synthesis of Hydrogen Peroxide by Selective Nanocatalyst Technology (summary)</a>	Lawrenceville	NJ
2007	No	Hutchison, James E.; University of Oregon	<a href="#">Greener Production of Functionalized Nanoparticles (abstract)</a>	Eugene	OR
2007	No	IPAX Cleanogel, Inc.	<a href="#">The Use of Green Unikleen in Oil Spill Clean-Up, Both on Land and in Water (abstract)</a>	Detroit	MI
2007	Yes	Krische, Michael J.; University of Texas at Austin	<a href="#">Hydrogen-Mediated Carbon–Carbon Bond Formation (summary)</a>	Austin	TX
2007	No	LATA Group, The	<a href="#">New Green Technology for Eliminating Hydrogen Sulfide in Aqueous Systems, Especially Petroleum Industry Systems (abstract)</a>	Ochelata	OK

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2007	Yes	Li, Kaichang; Oregon State University; Columbia Forest Products; Hercules Incorporated	<a href="#">Development and Commercial Application of Environmentally Friendly Adhesives for Wood Composites (summary)</a>	Corvallis	OR
2007	No	Maffia, Gennaro J.; Widener University	<a href="#">Application of Collagen Nanofibrils in Green Processing and Synthesis (abstract)</a>	Chester	PA
2007	No	McCullough, Richard D.; Carnegie Mellon University	<a href="#">Regioregular Polythiophenes as a Platform for Organic Photovoltaic Technology (abstract)</a>	Pittsburgh	PA
2007	No	Merck & Co., Inc.	<a href="#">A New, Highly Efficient, Environmentally Responsible Synthesis of Laropiprant (MK-0524) (abstract)</a>	Rahway	NJ
2007	No	Merck & Co., Inc.	<a href="#">Kilogram-Scale Purification of Pharmaceutical Candidates and Intermediates Using Preparative Supercritical Fluid Chromatography (abstract)</a>	Rahway	NJ
2007	No	Momentive Performance Materials Inc.	<a href="#">Commercialization of NXT Z<sup>®</sup>: An Ethanol-Free, Low-VOC, High-Performance Silane for Silica Tires (abstract)</a>	Tarrytown	NY
2007	No	Momentive Performance Materials Inc.	<a href="#">Novel Superspreading Siliconized Surfactants (abstract)</a>	Tarrytown	NY
2007	No	MYCELX Technologies Corp.	<a href="#">Novel Device for Removing Mercury from Produced Water and Vapor Streams (abstract)</a>	Gainesville	GA
2007	No	Nalco Company	<a href="#">A New Corrosion Inhibitor Reduces the Environmental Impact of Industrially Treated Water (abstract)</a>	Naperville	IL
2007	No	Nitrate Elimination Co., Inc., The	<a href="#">Greener Chemistry for Nitrate Analysis: Enzymatic Reduction Method (abstract)</a>	Lake Linden	MI
2007	Yes	NovaSterilis, Inc.	<a href="#">Environmentally Benign Medical Sterilization Using Supercritical Carbon Dioxide (summary)</a>	Lansing	NY
2007	No	Osmose, Inc.	<a href="#">MicroPro<sup>™</sup> Technology in Wood Preservation (abstract)</a>	Griffin	GA
2007	No	Pantheon Chemical	<a href="#">PreKote<sup>®</sup> Surface Pretreatment: Replacing Hexavalent Chromium with an Environmentally Safe Solution (abstract)</a>	Phoenix	AZ

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2007	No	Pirrung, Michael C.; University of California, Riverside	<a href="#"><u>Environmentally Friendly Isonitrile-Based Syntheses (abstract)</u></a>	Riverside	CA
2007	No	Procter & Gamble Company, The	<a href="#"><u>Tide Coldwater®: Energy Conservation through Residential Laundering Innovation and Commercialization (abstract)</u></a>	Cincinnati	OH
2007	No	Schultz, Tor P.; Nicholas, Darrel D.; Mississippi State University	<a href="#"><u>Enhancing the Efficacy of Totally Organic Wood Preservatives with Low-Cost, Benign Additives (abstract)</u></a>	Mississippi State	MS
2007	No	Severn Trent Services	<a href="#"><u>Iron Oxide for Arsenic Removal from Drinking Water (abstract)</u></a>	Fort Washington	PA
2007	No	Soloshonok, Vadim A.; Ueki, Hisanori; The University of Oklahoma	<a href="#"><u>Biomimetic Reductive Processes (abstract)</u></a>	Norman	OK
2007	No	Stoller Enterprises, Inc.	<a href="#"><u>Alternative to Methyl Bromide to Overcome Nematode Damage to Crops and Concomitantly Enhance Yield, Crop Quality, and Abiotic and Biotic Tolerance (abstract)</u></a>	Houston	TX
2007	No	Super Trap Inc.	<a href="#"><u>GEL-COR®: A New, Environmentally Compatible, Bullet-Trapping Medium for Small-Arms Firing Ranges (abstract)</u></a>	Corona	CA
2007	No	U.S. Army, U.S. Army Edgewood Chemical Biological Center	<a href="#"><u>Enzyme-Based Technology for Decontaminating Toxic Organophosphorus Compounds (abstract)</u></a>	Aberdeen Proving Ground	MD
2007	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#"><u>Solventless Process for Making Tackifiers and Adhesives (abstract)</u></a>	Washington	DC
2007	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>Green Primaries: Environmentally Friendly, Sensitive Explosives (abstract)</u></a>	Los Alamos	NM
2007	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>Ultrapure Carbon and Carbon–Nitride Nanomaterials Derived from Simple Pyrolyses of Nearly Chock-Full Nitrogen Compounds (abstract)</u></a>	Los Alamos	NM
2007	No	van Ooij, Wim J.; University of Cincinnati	<a href="#"><u>Novel, One-Step, Chromate-Free Coatings Containing Anticorrosion Pigments to Replace Chromate Pretreatment and Pigments (abstract)</u></a>	Cincinnati	OH
2007	No	Velocys Inc.	<a href="#"><u>Olefins by High-Intensity Oxidation (abstract)</u></a>	Plain City	OH



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2007	No	Zhang, Xumu; The Pennsylvania State University	<a href="#">Practical Asymmetric Catalytic Hydrogenation (abstract)</a>	University Park	PA
2007	No	Zhao, Huimin; van der Donk, Wilfred A.; Metcalf, William W.; University of Illinois	<a href="#">A Novel Phosphite Dehydrogenase Based NAD(P)H Regeneration Technology for Industrial Biocatalysis (abstract)</a>	Urbana	IL
2008	No	Adventus Group, The	<a href="#">EHC™ for a Greener Groundwater Treatment Technology (abstract)</a>	Freeport	IL
2008	No	Arkema Inc.	<a href="#">Replacement of Perfluorinated Alkyl Surfactants with Nonfluorinated Surfactants in Polymer Manufacturing (abstract)</a>	King of Prussia	PA
2008	No	Ashland Inc.	<a href="#">GEOSET NEO®: Low Emission Technology for the Metal Casting Industry (abstract)</a>	Dublin	OH
2008	No	Ashland Inc.	<a href="#">Reducing the Environmental, Health and Safety Impact of Cooling Water Treatment Programs (abstract)</a>	Boonton	NJ
2008	No	Ashland Inc.	<a href="#">Solventless, Low-Toxicity, Thermosetting Oligomers that Require Only Low Energy to Cure (abstract)</a>	Dublin	OH
2008	No	ATK Lake City Ammunition Division	<a href="#">P4rimer™: A Non-Toxic, Heavy-Metal-Free Primer Fueled by Red Phosphorus for Small Arms Cartridges (abstract)</a>	Independence	MO
2008	No	Augustine, Robert L.; Seton Hall University; NutraSweet Corporation, The	<a href="#">Bromine Free, TEMPO Based Catalyst System for the Oxidation of Alcohols (abstract)</a>	South Orange	NJ
2008	Yes	Battelle	<a href="#">Development and Commercialization of Biobased Toners (summary)</a>	Columbus	OH
2008	No	ChK group, Inc.	<a href="#">Nanophase Mn(VII) Oxide: Synthesis using Green Technology and Applications (abstract)</a>	Plano	TX
2008	No	Codexis, Inc.	<a href="#">Greening Montelukast Manufacture: Replacing a Stoichiometric Chiral Boron Reagent with a Green-by-Design, Economical Biocatalytic Reduction Enabled by Directed Evolution (abstract)</a>	Redwood City	CA
2008	No	Cutting Edge Formulations, Inc.	<a href="#">Nature's Avenger® Organic Herbicide: A Fast-Acting, Highly Effective, Organic Alternative to Synthetic and Natural Herbicides (abstract)</a>	Buford	GA

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2008	No	Cytec Industries Inc.	<a href="#">Cytec Innovation Management System: Sustainable Development of New Products (abstract)</a>	West Paterson	NJ
2008	No	Cytec Industries Inc.	<a href="#">Revolutionizing Energy-Curing Resins for Food Packaging Applications (abstract)</a>	West Paterson	NJ
2008	Yes	Dow AgroSciences	<a href="#">Spinetoram: Enhancing a Natural Product for Insect Control (summary)</a>	Indianapolis	IN
2008	No	Dow Chemical Company	<a href="#">Novel Process for Producing Polyols Based on Natural Oils (abstract)</a>	Midland	MI
2008	No	Dow Corning Corporation	<a href="#">Water and Energy Conservation in Denim Finishing (abstract)</a>	Midland	MI
2008	No	DuraBan International, Inc.	<a href="#">Environmentally Friendly Antimicrobial Surface Treatment (abstract)</a>	Buffalo	MN
2008	No	Eastman Chemical Company	<a href="#">IntegRex Technology (abstract)</a>	Kingsport	TN
2008	No	Eli Lilly and Company	<a href="#">A Practical and Green Chemical Strategy for the Manufacture of Neurokinin 1 Antagonist, LY686017 (abstract)</a>	Indianapolis	IN
2008	No	EverNu Technology, LLC	<a href="#">Enabling Technology for Methacrylic Acid Production using Isobutane as the Feedstock (abstract)</a>	Maple Glen	PA
2008	No	EverTech LLC	<a href="#">Everdex-Enhanced Alowood (abstract)</a>	Ferndale	WA
2008	No	G3 Technology Innovations, LLC	<a href="#">Surface Functionalized Nanomaterials: Significantly Reducing Fluorochemicals in Consumer Items (abstract)</a>	Pittsford	NY
2008	No	GlaxoSmithKline	<a href="#">GlaxoSmithKline's Eco-Design Toolkit™ (abstract)</a>	Philadelphia	PA
2008	No	Hach Company	<a href="#">Arsenic-Free SPADNS Chemistry for Fluoride Analysis in Water (abstract)</a>	Loveland	CO
2008	No	Huntsman Corporation	<a href="#">G2 Catalyst for New and Improved SURFONIC® Non-Ionic Surfactants (abstract)</a>	The Woodlands	TX
2008	No	Inland Environmental Resources, Inc.	<a href="#">Environmentally Friendly Antacid Formulations for Wastewater Treatment (abstract)</a>	Pasco	WA
2008	No	International Polyol Chemicals, Inc. (IPCI)	<a href="#">Production of Diverse Industrial Glycols from Renewable Six and Five-Carbon Sugars and Glycerin, the Byproduct of Biodiesel Manufacture (abstract)</a>	Ephrata	WA

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2008	No	Jiang, Shaoyi; University of Washington	<a href="#">Development of Environmentally Benign Nonfouling Materials and Coatings for Marine Applications (abstract)</a>	Seattle	WA
2008	No	Johnson & Johnson	<a href="#">Application of Green Chemistry Principles in the Scale-Up of the Darunavir Process (abstract)</a>	New Brunswick	NJ
2008	No	Leadbeater, Nicholas E.; University of Connecticut	<a href="#">Microwave Heating as an Enabling Tool for Greener Synthesis (abstract)</a>	Storrs	CT
2008	No	Lubrizol Corporation, The	<a href="#">Novel Green Chemistries Extend the Useful Life of Automobile Catalytic Converters and Reduce Exhaust Gaseous Emissions (abstract)</a>	Wickliffe	OH
2008	Yes	Maleczka, Robert E., Jr.; Milton R. Smith, III; Michigan State University	<a href="#">Green Chemistry for Preparing Boronic Esters (summary)</a>	East Lansing	MI
2008	No	MIOX Corporation	<a href="#">On-Site Generation of Mixed Oxidants as a Safe, Green Alternative to Chlorine Gas and Concentrated Bulk Bleach (abstract)</a>	Albuquerque	NM
2008	Yes	Nalco Company	<a href="#">3D TRASAR<sup>®</sup> Technology (summary)</a>	Naperville	IL
2008	No	NCH Corporation	<a href="#">System for Bioremediation of Effluents (abstract)</a>	Irving	TX
2008	No	Organic Recovery, LLC.	<a href="#">Biochemical Hydrolyzation of Organics in Food Wastes into a Liquid Fertilizer and Soil Amendment (abstract)</a>	Pompano Beach	FL
2008	No	Peng, Xiaogang; University of Arkansas; Nanomaterials and Nanofabrication Laboratories, LLC (NN-Labs)	<a href="#">Doped Semiconductor Nanocrystals as Heavy-Metal-Free Quantum Dots (abstract)</a>	Fayetteville	AR
2008	No	Pfizer, Inc.	<a href="#">Convergent Green Synthesis of Linezolid (Zyvox<sup>™</sup>), an Oxazolidinone Antibacterial Agent (abstract)</a>	Kalamazoo	MI
2008	No	Pyrotechnique by Grucci, Inc.	<a href="#">Perchlorate-Free Pyrotechnic Composition for Military Training Munitions (abstract)</a>	Brookhaven	NY
2008	No	Ragauskas, Arthur J.; Georgia Institute of Technology	<a href="#">Developing Lignocellulosic Biorefineries (abstract)</a>	Atlanta	GA
2008	No	Rhein Chemie Corporation	<a href="#">Additives for Optimizing Renewable Resources in the Production of</a>	Chardon	OH

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			<a href="#">Polyurethane Systems and Plastics (abstract)</a>		
2008	No	Roche Carolina Inc.	<a href="#">Scalable Non-Aqueous Process to Prepare Water-Soluble Aminodiol (abstract)</a>	Florence	SC
2008	No	Sepracor, Inc.	<a href="#">Adventures in Green Chemistry (abstract)</a>	Marlborough	MA
2008	Yes	SiGNa Chemistry, Inc.	<a href="#">New Stabilized Alkali Metals for Safer, Sustainable Syntheses (summary)</a>	New York	NY
2008	No	Specialty Fertilizer Products	<a href="#">Biodegradable, Water-Soluble Anionic Polymers, Prepared in an Environmentally Benign Process, Enhance the Efficiency of Phosphorus Use by Plants (abstract)</a>	Belton	MO
2008	No	Tennant Company	<a href="#">ech2o™ - Electrically Charged Water (abstract)</a>	Minneapolis	MN
2008	No	Thames, S. F.; Rawlins, J. W.; The University of Southern Mississippi	<a href="#">Vegetable Oil Based Macromonomers in Emulsion Polymers for High- Performance, Zero-VOC Architectural Coatings (abstract)</a>	Hattiesburg	MS
2008	No	Thermo Fisher Scientific	<a href="#">Green pH Electrodes (abstract)</a>	Beverly	MA
2008	No	Torch Technologies LLC	<a href="#">Manufactured Firelogs Based on Whole Timber (abstract)</a>	Ferndale	WA
2008	No	TyraTech, Inc.	<a href="#">Greening Insecticides and Parasitocides (abstract)</a>	San Francisco	CA
2008	No	Wildeman, Thomas; Colorado School of Mines	<a href="#">Passive Treatment of Metal- Contaminated Water (abstract)</a>	Golden	CO
2009	No	3M™	<a href="#">Reformulation of 3M™ Neutral Cleaner and 3M™ General Purpose Cleaner for the 3M™ Twist 'n Fill™ Chemical Management System Reduces Air Pollution and Employee Health Hazards (abstract)</a>	St. Paul	MN
2009	No	American Ordnance LLC	<a href="#">Inert Filler TB-1 (abstract)</a>	Middletown	IA
2009	No	Ashland Hercules Water Technologies	<a href="#">Pulp Mill Defoamers Based on Vegetable Oil (abstract)</a>	Wilmington	DE
2009	No	Ashland Inc.	<a href="#">Water-Based Refractory Coatings with Wet/Dry Color Change Indication (abstract)</a>	Dublin	OH
2009	No	Bayer MaterialScience LLC	<a href="#">AURA® Infusion Technology: A Green Method to Incorporate Color and Performance Additives (abstract)</a>	Pittsburgh	PA

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2009	Yes	CEM Corporation	<a href="#">Innovative Analyzer Tags Proteins for Fast, Accurate Results without Hazardous Chemicals or High Temperatures (summary and podcast)</a>	Matthews	NC
2009	No	Clorox Company, The	<a href="#">GreenWorks™ Natural Cleaners from the Makers of Clorox: Home Cleaning Products (abstract)</a>	Pleasanton	CA
2009	No	Codexis, Inc.	<a href="#">Greening Atorvastatin Manufacture: Replacing a Wasteful, Cryogenic Borohydride Reduction with a Green-by-Design, More Economical Biocatalytic Reduction for a Higher Quality Product (abstract)</a>	Redwood City	CA
2009	No	Davis, James Hillard Jr.; University of South Alabama	<a href="#">Liquid but Nonvolatile Sulfonic Acids and Amines: Greener Chemicals for Greening Processes (abstract)</a>	Mobile	AL
2009	No	Doty Energy	<a href="#">Recycling Carbon Dioxide into Carbon-Neutral Liquid Fuels (abstract)</a>	Columbia	SC
2009	No	Dow Chemical Company, The	<a href="#">Glycerin to Epichlorohydrin Process: How Green is my Epichlorohydrin? (abstract)</a>	Freeport	TX
2009	Yes	Eastman Chemical Company	<a href="#">A Solvent-Free Biocatalytic Process for Cosmetic and Personal Care Ingredients (summary and podcast)</a>	Kingsport	TN
2009	No	Ecolab Inc.	<a href="#">Wash 'n Walk™ Floor Care System (abstract)</a>	Inver Grove Heights	MN
2009	No	Eli Lilly and Company	<a href="#">New Manufacturing Route for Arzoxifene Hydrochloride (abstract)</a>	Indianapolis	IN
2009	No	FlyAshDirect Ltd.; Cognis Corporation	<a href="#">Carbon Blocker™ Fly Ash Conditioning Treatment (abstract)</a>	Cincinnati	OH
2009	No	French Creek Software, Inc	<a href="#">Chemical Treatment Modeling and Optimization Software: The French Creek Software Calculation Engine (abstract)</a>	Kimberton	PA
2009	No	Gill, Raminderjit (Sonam); Alvarez, Jessica; University of California, Santa Barbara	<a href="#">The University of California, Santa Barbara Green Chemistry Initiative (abstract)</a>	Santa Barbara	CA
2009	No	GVD Corporation	<a href="#">Novel Solvent-Free Fluoropolymer Coating Process (abstract)</a>	Cambridge	MA
2009	No	Gyberg, Arlin E., Augsburg College; SarTec Corporation	<a href="#">The Mcgyan Process: A Green Synthetic Route for Biodiesel Production (abstract)</a>	Anoka	MN
2009	No	Henkel Corporation	<a href="#">Aquence® Autodeposition Coating: The Smart Coating Solution (abstract)</a>	Madison Heights	MI

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2009	No	Henkel Corporation	<a href="#">Bonderite® TecTalis: Next-Generation Coating (abstract)</a>	Madison Heights	MI
2009	No	Huntsman Advanced Materials Corporation	<a href="#">Manufacturing More Efficient Fuel Cells to Reduce Carbon Dioxide Emissions (abstract)</a>	The Woodlands	TX
2009	No	Ingenuity IEQ, Inc.	<a href="#">Green Chemistry for Energy Conservation and Indoor Environmental Quality (abstract)</a>	Midland	MI
2009	Yes	Matyjaszewski, Krzysztof; Carnegie Mellon University	<a href="#">Atom Transfer Radical Polymerization: Low-impact Polymerization Using a Copper Catalyst and Environmentally Friendly Reducing Agents (summary and podcast)</a>	Pittsburgh	PA
2009	No	Merck & Co., Inc.	<a href="#">Green Chemistry in Action: A Remarkably Efficient and Sustainable Synthesis of the HIV Integrase Inhibitor, Raltegravir™ (abstract)</a>	Rahway	NJ
2009	No	Method Products	<a href="#">Method Smarty Dish for Fish: An Environmentally Responsible and Effective Cleaning Solution: No Phosphates, Acrylates, or Ethylenediaminetetraacetic Acid (abstract)</a>	San Francisco	CA
2009	No	Milliken & Company	<a href="#">TractionBack®: Alternative Green Adhesives Solutions for Textile Composites Used in Commercial Buildings (abstract)</a>	Spartanburg	SC
2009	No	Narayan, Ramani; Michigan State University; KTM Industries, Inc.	<a href="#">Biodegradable, Chemically Modified Starch Polymers for Protective Foam Packaging and Insulation Applications (abstract)</a>	East Lansing	MI
2009	No	Ozone International LLC	<a href="#">Cleaning and Disinfecting with Ozone: Making Green Chemistry with WhiteWater™ Ozone (abstract)</a>	Bainbridge Island	WA
2009	No	Plasmatrete North America Inc.; Ford Motor Company	<a href="#">Openair™ Plasma Surface Treatment: Reducing Emissions of Volatile Organic Compounds and Improving Environmentally Sensitive Paint Processes (abstract)</a>	Dearborn	MI
2009	No	PPG Industries, Inc.	<a href="#">Green Logic™: Chitosan-Enhanced Paint Detackifier (abstract)</a>	Troy	MI
2009	No	PPG Industries, Inc.	<a href="#">Zircobond™ Pretreatment (abstract)</a>	Troy	MI
2009	Yes	Procter & Gamble Company, the; Cook	<a href="#">Chempol® MPS Resins and Sefose® Sucrose Esters Enable High-</a>	Cincinnati	OH

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		Composites and Polymers Company	<a href="#">Performance Low-VOC Alkyd Paints and Coatings (summary and podcast)</a>		
2009	No	SABIC Innovative Plastics	<a href="#">Chemical Conversion of Post-Consumer Recycled Polyethylene Terephthalate Waste into Sustainable Valox iQ™ and Xenoy iQ™ Engineering Thermoplastic Products (abstract)</a>	Mount Vernon	IN
2009	No	Schweitzer, Linda; Oakland University; Reed, Robert; University of Missouri; Earth Science Laboratories, Inc.	<a href="#">EarthTec®: Green Water Treatment (abstract)</a>	Rochester	MI
2009	No	Sherwin-Williams Company, The	<a href="#">High-Solids Hybrid Sucrose Ester Polymer Technology (abstract)</a>	Cleveland	OH
2009	No	STERIS Corporation; Virox Technologies	<a href="#">An Alternative to Aldehyde-Based Liquid Chemical Sterilants and High-Level Disinfectants for Reprocessing Heat-Sensitive, Semi-Critical Medical Instruments (abstract)</a>	Mentor	OH
2009	No	TDA Research, Inc.; Cytec Industries Inc.	<a href="#">Replacement for Solvent-Based, Chromate-Containing Primer (abstract)</a>	Golden	CO
2009	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Diesel DeNO<sub>x</sub> Catalyst (abstract)</a>	Argonne	IL
2009	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Resin Wafer Technology (abstract)</a>	Argonne	IL
2009	No	VeruTEK Technologies, Inc.	<a href="#">Green Synthesis of Nanometal Catalysts and Plant Surfactant-Based, In Situ Chemical Oxidation for Sustainable Treatment and Remediation (abstract)</a>	Bloomfield	CT
2009	Yes	Virent Energy Systems, Inc.	<a href="#">BioForming® Process: Catalytic Conversion of Plant Sugars into Liquid Hydrocarbon Fuels (summary and podcast)</a>	Madison	WI
2009	No	Water Conservation Technology International, Inc.	<a href="#">Sustainable, Natural Green Chemistry for Cooling Water Treatment (abstract)</a>	Temecula	CA
2009	No	Wender, Paul A.; Stanford University	<a href="#">Green Chemistry through Function-Oriented Synthesis, Step Economy, and Ideal Synthesis (abstract)</a>	Stanford	CA
2009	No	ZeaChem Inc.	<a href="#">Cellulose-Based Fuels and Intermediate Chemicals (abstract)</a>	Lakewood	CO



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2009	No	Zep Inc.	<a href="#">Renewable-Resource Industrial Products (abstract)</a>	Atlanta	GA
2010	No	A.S. Trust & Holdings, Inc.	<a href="#">HCR-188C1: A.S. Trust &amp; Holdings, Inc.'s All-New, High-Efficiency Hydrocarbon Refrigerant With No Impact on Global Warming or the Ozone Layer (abstract)</a>	Kaneohe	HI
2010	No	Advanced Technology Materials, Inc.	<a href="#">RegenSi™: A Wafer Reclaim Solution with a Low Carbon Footprint that Extends the Life Cycle of Silicon Test Wafers (abstract)</a>	Danbury	CT
2010	No	AkzoNobel Functional Chemicals, LLC	<a href="#">Bipolar Membrane Electrodialysis for Greener Processing of Chelates (abstract)</a>	Chicago	IL
2010	No	APTech Group, Inc.	<a href="#">Safer, Sustainable, Biodegradable, Solid-State Chemistry for Treating Cooling Water Systems (abstract)</a>	Cincinnati	OH
2010	No	Baker Hughes Incorporated	<a href="#">Highly Water-Dispersed Oilfield Corrosion Inhibitors Eliminate over One Million Pounds of Nonrenewable Solvents Annually (abstract)</a>	Sugar Land	TX
2010	No	Bayer MaterialScience, LLC	<a href="#">IMPACT Technology: A Greener Polyether Polyol Process (abstract)</a>	South Charleston	WV
2010	No	BCR Environmental LLC; SABIC Innovative Plastics	<a href="#">Recovering and Using a Formerly Incinerated Sodium Nitrite Waste Stream to Disinfect and Stabilize Municipal Biosolids (abstract)</a>	Jacksonville	FL
2010	No	Bend Research Inc.	<a href="#">Spray-Dried Dispersions Based on Hydroxypropyl Methylcellulose Acetate Succinate for Delivery of Low-Solubility Drugs (abstract)</a>	Bend	OR
2010	No	Berry Plastics; Flame Chk Inc.; Chemische Fabrik Budenheim KG	<a href="#">Nonhalogenated Flame Retardant for Use in High-Performance Adhesives and Coatings (abstract)</a>	Bristol	RI
2010	No	BioFuelBox, Inc.	<a href="#">Supercritical–Solid Catalyst Reaction Process for Converting Waste Fats, Oils, and Greases into Premium Biodiesel (abstract)</a>	San Jose	CA
2010	No	Cargill, Incorporated	<a href="#">The Development and Commercialization of a Low-pH, Lactic Acid Process for Renewable Plastics (abstract)</a>	Minnetonka	MN
2010	No	Chemguard Ltd.	<a href="#">Elimination of Perfluorinated Alkyl Surfactants from Fire-Fighting Foams (abstract)</a>	Mansfield	TX

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2010	Yes	Clarke	<a href="#">Natular™ Larvicide: Adapting Spinosad for Next-Generation Mosquito Control (summary and podcast)</a>	Roselle	IL
2010	No	Codexis, Inc.	<a href="#">Rapid Enablement of Green Processes for Chiral Alcohols by the Codex™ Panel of Robust, Divergent Evolvants of One Ancestral Ketoreductase (abstract)</a>	Redwood City	CA
2010	No	Cortec Corporation	<a href="#">Corrosion Control with a Greener Pathway (abstract)</a>	St. Paul	MN
2010	No	Cytec Industries Inc.	<a href="#">UV-Curable Pressure Sensitive Adhesive (abstract)</a>	Woodland Park	NJ
2010	No	Dionex Corporation	<a href="#">Accelerated Solvent Extraction with Solvent Saver Mode™: Reducing Organic Solvent Consumption and Waste in Laboratories (abstract)</a>	Sunnyvale	CA
2010	No	Dow Chemical Company, The	<a href="#">An Innovative Approach to Texturizers without Hydrofluoric Acid or Nitric Acid for Multicrystalline Silicon Photovoltaics (abstract)</a>	Marlborough	MA
2010	No	Dow Chemical Company, The	<a href="#">Energy Savings from a New Manufacturing Route for Vinyl Methyl Ether (abstract)</a>	Midland	MI
2010	Yes	Dow Chemical Company, The; BASF	<a href="#">Innovative, Environmentally Benign Production of Propylene Oxide via Hydrogen Peroxide (summary and podcast)</a>	Midland	MI
2010	No	E. I. du Pont de Nemours and Company	<a href="#">Cerenol® Polyol Technology Platform for a Sustainable Bio-Based Economy (abstract)</a>	Wilmington	DE
2010	No	Henkel Technologies	<a href="#">A Safer, Environmentally Superior, High-Performance Acid Inhibitor Designed to Protect Metallic Infrastructure during Industrial Cleaning (abstract)</a>	Madison Heights	MI
2010	Yes	Liao, James C.; Easel Biotechnologies, LLC; University of California, Los Angeles	<a href="#">Recycling Carbon Dioxide to Biosynthesize Higher Alcohols (summary and podcast)</a>	Los Angeles	CA
2010	Yes	LS9, Inc.	<a href="#">Microbial Production of Renewable Petroleum™ Fuels and Chemicals (summary and podcast)</a>	South San Francisco	CA
2010	No	MacGillivray, Leonard R.; University of Iowa;	<a href="#">Template-Controlled Reactivity in the Organic Solid State (abstract)</a>	Iowa City	IA

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		University of Iowa Research Foundation			
2010	Yes	Merck & Co., Inc.; Codexis, Inc.	<a href="#">Greener Manufacturing of Sitagliptin Enabled by an Evolved Transaminase (summary and podcast)</a>	Rahway	NJ
2010	No	Pennakem LLC	<a href="#">2-Methyltetrahydrofuran: A Green Alternative to Oil Derived Ethers and Chlorinated Solvents (abstract)</a>	Memphis	TN
2010	No	Preventive Technology Inc.	<a href="#">PRE-TEC 3000®: An Environmentally Friendly Wood Treatment (abstract)</a>	Greenville	SC
2010	No	STERIS Corporation	<a href="#">An Environmentally Friendly Alternative for Cleaning Surgical Instruments in Healthcare Facilities (abstract)</a>	Mentor	OH
2010	No	Sun, Xiuzhi Susan; Kansas State University; SoyResin, LLC	<a href="#">Green Process of Unfolding Soy Protein Polymers for Green Adhesives (abstract)</a>	Manhattan	KS
2010	No	Thermphos USA Corp.	<a href="#">Dequest® PB: Carboxymethyl Inulin, A Versatile Scale Inhibitor from the Roots of Chicory (abstract)</a>	Mechanicsville	VA
2010	No	Troy Corporation	<a href="#">Source Reduction and Sustainability through Use of Mergal® 753 Antimicrobial Preservative (abstract)</a>	Florham Park	NJ
2011	No	Aeroclay, Inc.; Schiraldi, David; Case Western Reserve University	<a href="#">AeroClay®: A Green Aerogel for Industry (abstract)</a>	Solon	OH
2011	No	BASF Corporation	<a href="#">Green Sense<sup>SM</sup> Concrete (abstract)</a>	Beachwood	OH
2011	No	Battelle Memorial Institute	<a href="#">Bio-Derived Green Primary Polyvinyl Chloride Plasticizers with Improved Thermal Stability and Plasticization Efficiency (abstract)</a>	Columbus	OH
2011	Yes	BioAmber, Inc.	<a href="#">Integrated Production and Downstream Applications of Biobased Succinic Acid (summary and podcast)</a>	Minneapolis	MN
2011	No	Champion Technologies, Inc.	<a href="#">Lysine-Based Phosphonate Scale Inhibitor with Improved Biodegradation and Maintained Performance (abstract)</a>	Houston	TX
2011	No	Chemical Safety Software	<a href="#">Source Reduction through Software Technology (abstract)</a>	Emeryville	CA
2011	No	Commercial Fluid Power LLC	<a href="#">Elimination of Hexavalent Chromium from Hydraulic and Pneumatic Tubing and Bar (abstract)</a>	La Porte	IN

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2011	No	Cytec Industries Inc.	<a href="#"><u>iSUSTAIN<sup>®</sup> Green Chemistry Index Tool for Sustainable Development (abstract)</u></a>	Woodland Park	NJ
2011	No	Cytec Industries Inc.	<a href="#"><u>Waterborne, Ambient-Cure, Stain-Blocking Primer (abstract)</u></a>	Woodland Park	NJ
2011	No	Desilube; United Soybean Board	<a href="#"><u>High Performance Soy-Based Metalworking Fluid (abstract)</u></a>	St. Louis	MO
2011	No	Diversey Inc.	<a href="#"><u>ReNew Air Scrubber Technology (abstract)</u></a>	Sturtevant	WI
2011	No	Dober Chemical Corporation	<a href="#"><u>A Safer, Less Toxic, Reliable, and Green Water Treatment by Smart Release<sup>®</sup> Technology (abstract)</u></a>	Woodridge	IL
2011	No	Earth Friendly Products	<a href="#"><u>Earth Conscious Chemistry: Eliminating 1,4 Dioxane in Cleaning Products (abstract)</u></a>	Garden Grove	CA
2011	No	Ecolab Inc.	<a href="#"><u>DryExx Conveyor Lubricant Program (abstract)</u></a>	Eagan	MN
2011	No	Ecolab Inc.	<a href="#"><u>Low-Temperature Cleaning In Place (abstract)</u></a>	Eagan	MN
2011	No	Eli Lilly and Company	<a href="#"><u>Continuous Processing Enables a Convergent Route to a New Drug Candidate: LY2624803*H3PO4 (abstract)</u></a>	Indianapolis	IN
2011	No	Finn, M. G.; The Scripps Research Institute	<a href="#"><u>Metal Adhesive Polymers from Cu(I)-Catalyzed Azide-Alkyne Cycloaddition: a New Approach to Solder Replacements (abstract)</u></a>	La Jolla	CA
2011	No	FMC Corporation	<a href="#"><u>VigorOx<sup>®</sup> Biocide: Advancing Environmentally Responsible Energy Production (abstract)</u></a>	Philadelphia	PA
2011	No	Foam Supplies, Inc.	<a href="#"><u>Ecomate<sup>®</sup> Environmentally Benign Blowing Agent for Polyurethane Foams (abstract)</u></a>	Earth City	MO
2011	No	Fuel Energy Service Corporation	<a href="#"><u>Surachi Fuel Technology (abstract)</u></a>	Mobile	AL
2011	No	Genencor	<a href="#"><u>Gentle Power Bleach<sup>™</sup>: A Revolutionary Enzymatic Textile Bleaching System (abstract)</u></a>	Palo Alto	CA
2011	No	General Motors	<a href="#"><u>Applying Green Chemistry Principles to Enable Zero-Waste Manufacturing (abstract)</u></a>	Grand Blanc	MI
2011	Yes	Genomatica	<a href="#"><u>Production of Basic Chemicals from Renewable Feedstocks at Lower Cost (summary and podcast)</u></a>	San Diego	CA

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2011	No	Hach Company	<a href="#">Simplified Total Kjeldahl Nitrogen Method for Wastewater: A Green Alternative to Traditional Kjeldahl Methodology (abstract)</a>	Loveland	CO
2011	No	JEEN International	<a href="#">Polyelectrolytes: Reduce Your Carbon Footprint Using an Eco-Friendly Technology to Disperse Wax in Water without Heat (abstract)</a>	Fairfield	NJ
2011	Yes	Kraton Performance Polymers, Inc.	<a href="#">NEXAR™ Polymer Membrane Technology (summary and podcast)</a>	Houston	TX
2011	Yes	Lipshutz, Bruce H.; University of California, Santa Barbara	<a href="#">Towards Ending Our Dependence on Organic Solvents (summary and podcast)</a>	Santa Barbara	CA
2011	No	L'Oreal USA	<a href="#">Kiehl's "Aloe Vera" Biodegradable Liquid Body Cleanser (abstract)</a>	Clark	NJ
2011	No	Lubrizol Corporation, The	<a href="#">Positive Environmental Impact of Novel Crankcase Lubricant Technology (abstract)</a>	Wickliffe	OH
2011	No	Natural State Research, Inc.	<a href="#">Conversion of Waste Plastics into Fuel (abstract)</a>	Stamford	CT
2011	No	Novozymes North America, Inc.	<a href="#">Enabling a Sustainable Biorefinery with Green Chemistry: Enzymatic Hydrolysis of Lignocellulosic Biomass for the Production of Advanced Biofuels and Renewable Chemicals (abstract)</a>	Franklinton	NC
2011	No	Orono Spectral Solutions	<a href="#">Device and Method for Analyzing Oil and Grease in Wastewaters without Solvent (abstract)</a>	Old Town	ME
2011	No	Pacific Scientific Energetic Materials Co.	<a href="#">New Lead Free Materials for Replacement of Existing Primary Explosives (abstract)</a>	Chandler	AZ
2011	No	Piedmont Biofuels Industrial, LLC	<a href="#">Enzymatic Catalysis for Biodiesel Production (abstract)</a>	Pittsboro	NC
2011	No	Polar Industries, Inc.	<a href="#">Zero-VOC, BioBased HiOmega® Linseed Oil Epoxies, Adhesives, and Alkyd Resins as Replacements for Epichlorohydrin-Epoxy Resins and Other VOC-containing Coatings, Paints, Adhesives, and Epoxies (abstract)</a>	Miami	FL
2011	No	PPG Industries, Inc.	<a href="#">Waterborne Refinish Coatings Manufacture (abstract)</a>	Strongsville	OH
2011	No	Rochester Midland Corporation	<a href="#">Enhance O<sub>2</sub> Soil Remover for Commercial Fryers (abstract)</a>	Rochester	NY

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2011	No	Rochester Midland Corporation	<a href="#"><u>PRS Water Damage PreClean: Biological Cleaning for Restoration and Remediation (abstract)</u></a>	Rochester	NY
2011	No	Savage, Phillip E.; University of Michigan	<a href="#"><u>Terephthalic Acid Synthesis at High Concentrations in High-Temperature Liquid Water (abstract)</u></a>	Ann Arbor	MI
2011	Yes	Sherwin Williams Company, The	<a href="#"><u>Water-based Acrylic Alkyd Technology (summary and podcast)</u></a>	Cleveland	OH
2011	No	Sigma-Aldrich	<a href="#"><u>Green Chemistry Process for the Large-Scale Manufacture of Polyamino Acids (abstract)</u></a>	St. Louis	MO
2011	No	Solvair LLC	<a href="#"><u>Solvair Cleaning System (abstract)</u></a>	Naperville	IL
2011	No	Steward Advanced Materials	<a href="#"><u>Development and Commercial Application of SAMMS<sup>®</sup>: A Novel Compound that Adsorbs and Removes Mercury and Other Toxic Heavy Metals (abstract)</u></a>	Chattanooga	TN
2011	No	Terrabon, Inc.	<a href="#"><u>Conversion of Municipal Solid Wastes to Drop-In Fuels and Chemicals (abstract)</u></a>	Houston	TX
2011	No	Timber Treatment Technologies, LLC	<a href="#"><u>TimberSIL<sup>®</sup> (abstract)</u></a>	Springfield	VA
2011	No	Tower Oil & Technology Co.	<a href="#"><u>Saf-T-Vanish<sup>®</sup>: A Zero-VOC, Green Replacement for Petroleum Solvent Vanish Oils (abstract)</u></a>	Chicago	IL
2011	No	van Heiningen, Adriaan; Genco, Joseph; Pendse, Hemant; van Walsum, Peter; University of Maine	<a href="#"><u>Pre-Pulping Extraction of Hardwood Chips to Recover Hemicelluloses as a High-Value Renewable Chemical Feedstock that Reduces Waste and Saves Fossil Fuel (abstract)</u></a>	Orono	ME
2011	No	WM Barr & Company, Inc.	<a href="#"><u>Klean-Strip<sup>®</sup> Green<sup>™</sup> Safer Paint Thinner (abstract)</u></a>	Memphis	TN
2012	No	Albemarle Corporation	<a href="#"><u>Concrete-Friendly<sup>™</sup> Powdered Active Carbon (C-PAC<sup>™</sup>) to Remove Mercury from Flue Gas Safely (abstract)</u></a>	Baton Rouge	LA
2012	No	Armstrong World Industries, Inc.	<a href="#"><u>BioBased Tile<sup>®</sup>: A Non-PVC Flooring Made with Rapidly Renewable Resources (abstract)</u></a>	Lancaster	PA
2012	No	Ashland Performance Materials	<a href="#"><u>Envirez<sup>™</sup> Technology: Incorporating Renewable and Recycled Feedstocks into Unsaturated Polyester Resins (abstract)</u></a>	Dublin	OH
2012	No	BASF Corporation	<a href="#"><u>Compostable Multilayer Food Packaging (abstract)</u></a>	Wyandotte	MI

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2012	No	Bayer MaterialScience and Bayer AG	<a href="#">One-Component, UV-Curable, Waterborne Polyurethane Coatings (abstract)</a>	Pittsburgh	PA
2012	No	BCD Group-II, Inc.	<a href="#">Producing Chemicals and Carbon from Waste Tires, Plastics, Carpet, and Biomass (abstract)</a>	Cincinnati	OH
2012	No	Bennett, Jacqueline; State University of New York Oneonta; SUNY Research Foundation	<a href="#">Ethyl L-Lactate as a Tunable Solvent for Greener Synthesis of Diaryl Aldimines (abstract)</a>	Oneonta	NY
2012	No	Blue Marble Biomaterials LLC	<a href="#">Greening the Design of Chemical Production with Microbes (abstract)</a>	Missoula	MT
2012	Yes	Buckman International, Inc.	<a href="#">Enzymes Reduce the Energy and Wood Fiber Required to Manufacture High- Quality Paper and Paperboard (summary and podcast)</a>	Memphis	TN
2012	No	CCP Composites	<a href="#">FIREBLOCK™ Intumescent Resin (abstract)</a>	Kansas City	MO
2012	Yes	Coates, Geoffrey W.; Cornell University	<a href="#">Synthesizing Biodegradable Polymers from Carbon Dioxide and Carbon MoNO<sub>x</sub>ide (summary and podcast)</a>	Ithaca	NY
2012	Yes	Codexis, Inc.; Yi Tang; University of California, Los Angeles	<a href="#">An Efficient Biocatalytic Process to Manufacture Simvastatin (summary and podcast)</a>	Redwood City	CA
2012	No	Colonial Chemical, Inc.	<a href="#">Suga®Nate: A Safer, Milder, Greener Surfactant (abstract)</a>	South Pittsburg	TN
2012	No	Cooper Power Systems	<a href="#">Vegetable Oil Insulating Fluid for Improved High Voltage Transformer Capability (abstract)</a>	Waukesha	WI
2012	No	CPS Biofuels, Inc.	<a href="#">Glycerol tert-Butyl Ether (GTBE): A Biofuel Additive for Today (abstract)</a>	Virginia Beach	VA
2012	No	Cytec Industries Inc.	<a href="#">Saturated Polyester–Phenolic Resin Systems Eliminate Bisphenol A and Epoxy from Interior Can Coatings for Food Packaging (abstract)</a>	Woodland Park	NJ
2012	Yes	Cytec Industries Inc.	<a href="#">MAX HT® Bayer Sodalite Scale Inhibitor (summary and podcast)</a>	Woodland Park	NJ
2012	No	DuPont Company	<a href="#">Chlorantraniliprole: Increased Food Production, Reduced Risks, More Sustainable Agriculture (abstract)</a>	Wilmington	DE
2012	No	DuPont Company and Butamax™ Advanced BioFuels LLC	<a href="#">Production of Isobutanol from the Synergy between Metabolic and Process Engineering (abstract)</a>	Wilmington	DE



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2012	No	e2e Materials, Inc.	<a href="#">Formaldehyde-Free, High-Strength Biocomposites from Sustainable Resources (abstract)</a>	Ithaca	NY
2012	No	Ecology Coatings	<a href="#">Generally Recognized as Safe (GRAS) Coatings (abstract)</a>	Warren	MI
2012	No	Electrovaya Inc.	<a href="#">Zero-Emission Production of the Green Lithium Ion SuperPolymer<sup>®</sup> Battery (abstract)</a>	Malta	NY
2012	Yes	Elevance Renewable Sciences, Inc.	<a href="#">Using Metathesis Catalysis to Produce High-Performing, Green Specialty Chemicals at Advantageous Costs (summary and podcast)</a>	Woodridge	IL
2012	No	Eli Lilly and Company	<a href="#">Grignards Going Greener by Continuous Processing (abstract)</a>	Indianapolis	IN
2012	No	IBM Corporation	<a href="#">Catalytic Treatment of Hydrogen Peroxide in IBM Semiconductor Wastewater (abstract)</a>	Hopewell Junction	NY
2012	No	IBM Corporation	<a href="#">Elimination of PFOS and PFOA in IBM Semiconductor Manufacturing Processes and Development of Photoacid Generators Free of Perfluoroalkyl Sulfonates (abstract)</a>	Hopewell Junction	NY
2012	No	InfiChem Polymers, LLC	<a href="#">InfiGreen<sup>™</sup> Polyols (abstract)</a>	Sterling Heights	MI
2012	No	John, George; The City College of the City University of New York	<a href="#">Sustainable Molecular Design through Biorefineries: Biomass as an Enabling Platform for Safe Oil-Thickening Agents (Amphiphiles) (abstract)</a>	New York	NY
2012	No	Johnson & Johnson Consumer Companies, Inc.; AkzoNobel Surface Chemistry LLC	<a href="#">NATRASURF<sup>™</sup> PS-111 Polymeric Surfactant: Achieving Next Generation Mildness in Personal Care Products with a Reduced Environmental Footprint (abstract)</a>	Skillman	NJ
2012	No	Kop-Coat, Inc.	<a href="#">Tru-Core<sup>®</sup> Protection System for Wood (abstract)</a>	Pittsburg	PA
2012	No	LubriGreen Biosynthetics	<a href="#">Development and Commercialization of Oleic Estolide Esters (abstract)</a>	Irvine	CA
2012	No	Mascal, Mark; University of California, Davis	<a href="#">Chemical Conversion of Biomass into New Generations of Renewable Fuels, Polymers, and Value-Added Products (abstract)</a>	Davis	CA
2012	No	Masterchem Brands	<a href="#">KILZ MAX<sup>™</sup> PRIMER-SEALER-STAINBLOCKER: Oil-Based Performance in a Water-Based Formula</a>	Chesterfield	MO

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			<a href="#"><u>with Less Environmental Impact (abstract)</u></a>		
2012	No	NALCO	<a href="#"><u>NALCO's APEX™ Program: Sustainable Technology for Paint Detackification (abstract)</u></a>	Coraopolis	PA
2012	No	Novomer, Inc.	<a href="#"><u>High-Performance Polyols from CO<sub>2</sub> at Low Cost (abstract)</u></a>	Waltham	MA
2012	No	NSR Technologies, Inc.	<a href="#"><u>Electrodialysis and Chromatographic Separation Technology for Chlorine- Free Production of Potassium Hydroxide and Hydrochloric Acid (abstract)</u></a>	Decatur	IL
2012	No	OPX Biotechnologies, Inc.	<a href="#"><u>Producing Industrial Chemicals by Fermenting Renewable Feedstocks at a Lower Cost (abstract)</u></a>	Boulder	CO
2012	No	Performance Chemicals, LLC	<a href="#"><u>BURN-OUT™ Durable, Green, Nontoxic Flame Retardant (abstract)</u></a>	Concord	NH
2012	No	Pfizer	<a href="#"><u>New Green Commercial Biocatalytic Route to Atorvastatin Calcium, the Lipitor API (abstract)</u></a>	Kalamazoo	MI
2012	No	Plata, Desirée L.; Duke University	<a href="#"><u>Improved Resource Use in Carbon Nanotube Synthesis via Mechanistic Understanding (abstract)</u></a>	Durham	NC
2012	No	RajanBabu, T. V. (Babu); The Ohio State University	<a href="#"><u>Ethylene: A Feedstock for Fine Chemical Synthesis (abstract)</u></a>	Columbus	OH
2012	No	RPS Environmental Solutions, LP	<a href="#"><u>Zero-VOC Cleaning and Remediation Technology (abstract)</u></a>	Dallas	TX
2012	No	SiGNa Chemistry, Inc.	<a href="#"><u>Sodium Silicide: A New Alkali Metal Derivative for Safe, Sustainable, and On-Demand Generation of Hydrogen (abstract)</u></a>	New York City	NY
2012	No	Tandus Flooring	<a href="#"><u>Ethos™ Modular Commercial Floor Coverings (abstract)</u></a>	Dalton	GA
2012	No	U.S. Department of Energy, Pacific Northwest National Laboratory; Archer Daniels Midland Company	<a href="#"><u>Propylene Glycol from Renewable Resources (abstract)</u></a>	Richland	WA
2012	No	Verdezyne, Inc.	<a href="#"><u>Biobased Adipic Acid for Renewable Nylon and Polyurethane Resins (abstract)</u></a>	Carlsbad	CA
2012	No	Verenium Corporation	<a href="#"><u>Pyrolase® Cellulase Enzyme Breaker as a Biodegradable Replacement for Corrosive Acids and Oxidizers in</u></a>	San Diego	CA

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			<a href="#"><u>Hydraulic Fracturing Operations (abstract)</u></a>		
2012	No	VH Biotechnology, Inc.	<a href="#"><u>Bacteriocins: A Green, Antimicrobial Pesticide (abstract)</u></a>	League City	TX
2012	Yes	Waymouth, Robert M.; Stanford University; Hendrick, James L.; IBM Almaden Research Center	<a href="#"><u>Organic Catalysis: A Broadly Useful Strategy for Green Polymer Chemistry (summary and podcast)</u></a>	Stanford	CA
2013	No	Advanced Biocatalytics Corporation (ABC)	<a href="#"><u>Changing the Nature of Surfactants: Protein-Surfactant Synergists With Enhanced Cleaning Power and Bioremediation Abilities (abstract)</u></a>	Irvine	CA
2013	No	AkzoNobel Surface Chemistry, LLC	<a href="#"><u>Hybrid Polymers (abstract)</u></a>	Chicago	IL
2013	No	AnCatt Inc.	<a href="#"><u>Conductive Polymer Nanodispersion (CPND) and the Environmentally Friendly Heavy-Duty Anti-Corrosion Coating Platform Technology (abstract)</u></a>	Newark	DE
2013	No	Armstrong World Industries	<a href="#"><u>Breakthrough Coating for Ceiling Tiles (abstract)</u></a>	Lancaster	PA
2013	No	AstraZeneca and Forest Laboratories	<a href="#"><u>An Order of Magnitude Improvement in Sustainability through Core Application of Green Chemistry Principles: The Process Development of Avibactam (abstract)</u></a>		
2013	Yes	Cargill, Inc.	<a href="#"><u>Vegetable Oil Dielectric Insulating Fluid for High-Voltage Transformers (summary)</u></a>	Brookfield	WI
2013	No	Dow Chemical Company, The	<a href="#"><u>INFUSE™ Olefin Block Copolymers (abstract)</u></a>	Midland	MI
2013	Yes	Dow Chemical Company, The	<a href="#"><u>EVOQUE™ Pre-Composite Polymer Technology (summary)</u></a>	Midland	MI
2013	No	DSM Biobased Products and BP Biofuels	<a href="#"><u>Sugar to Diesel (Bio-Diesel from Microbial Oil) -- A Sustainable, Scalable and Affordable Option to Petroleum Diesel (abstract)</u></a>	Columbia	MD
2013	No	DuPont and Goodyear	<a href="#"><u>An Innovative Cell Factory and Bioprocess for Production of Biolisoprene™ Monomer (abstract)</u></a>	Palo Alto	CA
2013	Yes	Faraday Technology, Inc.	<a href="#"><u>Functional Chrome Coatings Electrodeposited from a Trivalent Chromium Plating Electrolyte (summary)</u></a>	Clayton	OH

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2013	No	FRX POLYMERS® Inc.	<a href="#">Polymeric, Non-Halogenated Flame Retardants with Broad Applicability in Multiple Industries (abstract)</a>	Chelmsford	MA
2013	No	GeoTree Technologies, Inc.	<a href="#">GeoSpray™ Geopolymer Mortar System for Structural Rehabilitation of Sewer and Storm Water Infrastructure (abstract)</a>	Lafayette	CO
2013	No	Infinite Enzymes	<a href="#">Infinite Enzymes: Low-Cost, Plant-Based Enzymes for Converting Cellulosic Biomass into Biofuels and Other Biobased Products (abstract)</a>	State University	AR
2013	No	International Products Corporation	<a href="#">Temporary Assembly Lubricants for Rubber and Plastic Articles Using Renewable Oil-in-Water Emulsion Technology (abstract)</a>	Burlington	NJ
2013	Yes	Life Technologies Corporation	<a href="#">Safe, Sustainable Chemistries for the Manufacturing of PCR Reagents (summary)</a>	Austin	TX
2013	No	Lonza, Inc.	<a href="#">Dantogard 2000 Preservative: An Antimicrobial Technology with Reduced Environmental Impact for Hydraulic Fracturing of Shale Gas Plays (abstract)</a>	Allendale	NJ
2013	No	Monsanto and Biosynthetic Technologies	<a href="#">Vistive® Gold Soybeans and Biosynthetic Technologies Enable Biodegradable, Non-Toxic, Renewable, and Economical Industrial Bio-Lubricants (abstract)</a>	St. Louis	MO
2013	No	Multi-Chem, A Halliburton Service	<a href="#">The Use of Nitrate and Selected Live Strains of Nitrate Reducing Bacteria to Replace the Use of Biocide in Hydraulic Fracturing Operations (abstract)</a>	Houston	TX
2013	No	Myriant Corporation	<a href="#">Expanding the Renewable Polymers "Tool Kit" with Bio-Succinic Acid (abstract)</a>	Woburn	MA
2013	No	Myriant Corporation	<a href="#">Bio-based Chemicals from Low-cost Lignocellulosic Sugars (abstract)</a>	Woburn	MA
2013	No	Nalco Champion, An Ecolab Company	<a href="#">eVerified ASP560: An Environmentally Friendly Corrosion Inhibitor (abstract)</a>	Sugar Land	TX
2013	No	New Sky Energy, LLC	<a href="#">Sustainable Soda Ash for the Glass Industry (abstract)</a>	Boulder	CO

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2013	No	Novozymes	<a href="#">Enzymes for the Production of Economical Sugars: A Linchpin of the Carbohydrate Economy (abstract)</a>	Franklinton	NC
2013	No	Owens Corning	<a href="#">Sustainability and Owens Corning's EcoTouch™ Insulation Conversion (abstract)</a>	Newark	OH
2013	No	Subramaniam, Bala; University of Kansas	<a href="#">A Greener Hydroformylation Technology (abstract)</a>	Lawrence	KS
2013	No	Systea Scientific, LLC	<a href="#">Easy (1-Reagent) Nitrate Method: A Green Alternative to Traditional USEPA Approved Nitrate Methods (abstract)</a>	Oak Brook	IL
2013	No	Thames, S. F.; Rawlins, J. W.; The University of Southern Mississippi	<a href="#">Formaldehyde-Free Commercial-Grade Particleboards Based Solely on Soybean Protein Adhesive (abstract)</a>	Hattiesburg	MS
2013	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Upcycling Process That Converts Unsorted Plastic Waste into Functional Carbon Materials (abstract)</a>	Argonne	IL
2013	No	Virent, Inc.	<a href="#">Converting Plant Sugars into Paraxylene for 100% Renewable, 100% Recyclable Packaging and Fibers (abstract)</a>	Madison	WI
2013	No	Washing Systems LLC	<a href="#">Pure Solutions Chemical Line for Laundries (abstract)</a>	Loveland	OH
2013	Yes	Wool, Richard P.; U Delaware	<a href="#">Sustainable Polymers and Composites: Optimal Design (summary)</a>	Newark	DE
2014	No	ACTA Technology Inc.	<a href="#">A Greener, Safer and More Efficient Antifreeze (abstract)</a>	Boulder	CO
2014	No	Advanced Technology Materials, Inc. (ATMI), an Entegris company	<a href="#">The eVOLV™ System, a Clean, Sustainable Solution to Electronic Waste (abstract)</a>	Danbury	CT
2014	No	AkzoNobel Functional Chemicals, LLC	<a href="#">Improved Performance and HSE Profile of a Novel Stimulation Fluid for Oil and Natural Gas Wells (abstract)</a>	Chicago	IL
2014	Yes	Amyris	<a href="#">Farnesane: a Breakthrough Renewable Hydrocarbon for Use as Diesel and Jet Fuel (summary and podcast)</a>	Emeryville	CA
2014	No	Archroma	<a href="#">Earthcolors Technology (abstract)</a>	Charlotte	NC
2014	No	Arizona Chemical Company, LLC	<a href="#">SYLVAROAD™ RP 1000 Performance Additive: A Sustainable, Pine-Based Additive to Enable High Re-Use of Reclaimed Asphalt Pavement (abstract)</a>	Savannah	GA

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2014	No	Atsumi, Shota; University of California, Davis	<a href="#"><u>Green Biological Production of Short and Medium Chain Esters (abstract)</u></a>	Davis	CA
2014	No	Bay State Tech, LLC	<a href="#"><u>Consumer Viable and Environmentally Friendly Solvent Replacements Developed From Food Grade Compounds (abstract)</u></a>	Baltimore	MD
2014	No	Blair, Richard; University of Central Florida, The	<a href="#"><u>The Scalable Production of Edge Functionalized Few Layer Graphene Oxide (abstract)</u></a>	Orlando	FL
2014	No	Boeing Company, The; Boeing Research & Technology	<a href="#"><u>Boegel Surface Activation Technology Suite (abstract)</u></a>	Seattle	WA
2014	No	Copperhead Chemical Company Inc.	<a href="#"><u>Novel, Effective, Safe Delivery System for Antimicrobial Agents Derived from Sustainable Vegetable Monoglycerides (abstract)</u></a>	Tampa	FL
2014	No	Cytec Industries Inc.	<a href="#"><u>Cylinderized Phosphine as Safer, More Environmentally Friendly Alternatives to Traditional Stored Product Fumigants (abstract)</u></a>	Stamford	CT
2014	No	Dow Chemical Company, The	<a href="#"><u>Sustainable Microbial Control Treatments for Hydraulic Fracturing (abstract)</u></a>	Buffalo Grove	IL
2014	No	Dow Chemical Company, The	<a href="#"><u>BETAMATE™ and BETAFORCE™ Structural Adhesives Improve Automotive Fuel Efficiency and Emissions (abstract)</u></a>	Midland	MI
2014	No	Dow Chemical Company, The	<a href="#"><u>FORMASHIELD™ Formaldehyde Abatement Technology (abstract)</u></a>	Collegeville	PA
2014	No	Dumesic, James A.; University of Wisconsin-Madison	<a href="#"><u>Enzyme-Free Biomass Depolymerization Using GVL (abstract)</u></a>	Madison	WI
2014	No	E&B Green Solutions	<a href="#"><u>G-Clean® Line of Green Cleaning Products Designed to Clean Hydrocarbons Safely and Effectively (abstract)</u></a>	Hermosa Beach	CA
2014	No	Ecolab	<a href="#"><u>Environmentally Responsible Spore Control Program Through Effective Cleaning and Sanitizing of Heat Exchange Dairy Process Equipment (abstract)</u></a>	Eagan	MN
2014	No	Genentech, Inc.	<a href="#"><u>Targeted Chemotherapy for Solid Tumor Cancer Treatment (abstract)</u></a>	South San Francisco	CA
2014	No	GreenLife Development	<a href="#"><u>Naturama - Oil Surfactant, Green Degreaser and Cleaner (abstract)</u></a>	Las Vegas	NV

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2014	No	Gunasekaran, Sundaram; Yang, Jiang; University of Wisconsin-Madison; LignoCarbon	<a href="#">Green Approaches of Nanocomposite Material Synthesis for Energy Storage, Environmental Surveillance and Sustainable Food Systems (abstract)</a> <a href="#">An Innovative Catalytic Intramolecular Asymmetric Reductive Amination of a Dialkyl Ketone Enables a Highly Efficient, Green Synthesis of Suvorexant (MK-4305) (abstract)</a>	Mountain View	CA
2014	No	Merck & Co., Inc.	<a href="#">Bt Technology, Transforming Insect Control (abstract)</a>	Rahway	NJ
2014	No	Monsanto Company	<a href="#">Ultrasound Induced, Copper Mediated Homo-Coupling Using Polymer Supported Aryltrifluoroborates (abstract)</a>	St. Louis	MO
2014	No	Musolino, Bryan; University of Tennessee, Knoxville	<a href="#">Evotherm® Warm Mix Asphalt Technology (abstract)</a>	JBSA-FSH	TX
2014	No	MWV Specialty Chemicals, a division of MeadWestvaco Corporation	<a href="#">Amended Silicates® HgX (abstract)</a>	North Charleston	SC
2014	No	Novinda Corporation	<a href="#">Polyethylene Terephthalate (PET) Derived Polymers for Coatings (abstract)</a>	Denver	CO
2014	No	PPG Industries, Inc.	<a href="#">Utilization of Elemental Sulfur as a New Chemical Feedstock for Polymeric Materials (abstract)</a>	Pittsburgh	PA
2014	No	Pyun, Jeffrey; Glass, Richard; U of Arizona	<a href="#">Greener Quantum Dot Synthesis for Energy Efficient Display and Lighting Products (summary and podcast)</a>	Tucson	AZ
2014	Yes	QD Vision, Inc.	<a href="#">Tailored Oils Produced from Microalgal Fermentation (summary and podcast)</a>	Lexington	MA
2014	Yes	Solazyme, Inc.	<a href="#">RE-HEALING™ Foam Concentrates– Effective Halogen-Free Firefighting (summary and podcast)</a>	South San Francisco	CA
2014	Yes	Solberg Company, The	<a href="#">Aerobic Oxidation Methods for Pharmaceutical Synthesis (summary and podcast)</a>	Green Bay	WI
2014	Yes	Stahl, Shannon S.; University of Wisconsin- Madison	<a href="#">STEPOSOL® MET-10U. A Bio- derived, Nonionic Surfactant Solution for Solvent Replacement: Source Reduction and Inherently Lower Health Hazards in Hard Surface Cleaning and Adhesive / Paint Removal (abstract)</a>	Madison	WI
2014	No	Stepan Company	<a href="#">CIRKIL Biopesticide (abstract)</a>	Northfield	IL
2014	No	Terramera, Inc.		Buena Park	CA



Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2014	No	Washing Systems LLC	<a href="#">Green Detergents for Industrial Laundries (abstract)</a>	Loveland	OH
2014	No	Wyman, Charles; University of California, Riverside	<a href="#">UCR Co-Solv Technology Achieves Unprecedented Yields of Fuel Precursors from Lignocellulosic Biomass (abstract)</a>	Riverside	CA
2015	No	A S Filtration™, LLC	<a href="#">Pathex®/PathShield™ Antimicrobial Filter Media for the Control of Bacteria in Stormwater and Industrial Process Waters (abstract)</a>	Hixson	TN
2015	No	Acid-Amine Technologies, Inc. (AAT)	<a href="#">Using Bioethanol as A Raw Material, To Produce: 1. SAFEN: A Low Cost Nematicide And Fungicide, Based on Ethyl Formate, Which Is Generally Regarded as Safe by the FDA, and Which Biodegrades Into Two Naturally Occurring Substances, with No Lasting Detrimental Effects to Air, Soil and Water; and 2. Ethyl Formate in a Second Development as a Suitable Raw Material for Propionic Acid and Acrylate Production (abstract)</a>	Woodcliff Lake	NJ
2015	Yes	Algenol	<a href="#">The Algenol Biofuel Process: Sustainable Production of Ethanol and Green Crude (summary and picture)</a>	Fort Myers	FL
2015	No	Barreto, Reynaldo; Purdue University North Central	<a href="#">Photocatalytic Oxidations of Ethers with Visible/Near UV Light and the Development of a Continuous Flow Photoreactor (abstract)</a>	Westville	IN
2015	Yes	Chen, Eugene Y.-X.; Colorado State University	<a href="#">Greener Condensation Reactions for Renewable Chemicals, Liquid Fuels, and Biodegradable Polymers (summary and picture)</a>	Fort Collins	CO
2015	No	Eastman Chemical Company	<a href="#">Eastman Omnia™ Solvent – Changing the Chemistry of Clean. New, Safe, Highly Effective Solvent for Cleaning Applications (abstract)</a>	Kingsport	TN
2015	No	Ecolab	<a href="#">OxyCide™ Daily Disinfectant Cleaner (abstract)</a>	Eagan	MN
2015	No	Ecolab	<a href="#">Environmentally Preferable Biocide For Water Treatment in Hydraulic Fracturing (abstract)</a>	Eagan	MN
2015	No	Green Biologics, Inc. (GBI)	<a href="#">The Reinvention of Biomass Based n-Butanol for the Renewable Chemicals Industry (abstract)</a>	Gahanna	OH

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2015	No	Honeywell International	<a href="#">Low Global Warming, Non-VOC, Zero-ODP Molecule for Energy Efficient Polyurethane Foam Insulation Blowing Agent, Solvents, and Heat Transfer (abstract)</a>	Morristown	NJ
2015	Yes	Hybrid Coating Technologies/Nanotech Industries	<a href="#">Hybrid Non-Isocyanate Polyurethane/Green Polyurethane™ (summary and picture)</a>	Daly City	CA
2015	Yes	LanzaTech Inc.	<a href="#">LanzaTech Gas Fermentation Process (summary and picture)</a>	Skokie	IL
2015	No	Licht, Stuart; George Washington University	<a href="#">A Solar Chemical Process to End Anthropogenic Global Warming: STEP Generation of Energetic Molecules (abstract)</a>	Washington	DC
2015	No	Light Curable Coatings	<a href="#">High Performance Solvent-Free Coating Technology (abstract)</a>	Valley View	OH
2015	No	Linde North America	<a href="#">Development of Vapormate as a Replacement for Methyl Bromide Fumigants (abstract)</a>	Murray Hill	NJ
2015	No	Modular Genetics, Inc.	<a href="#">Greener Synthesis of Surfactants (abstract)</a>	Cambridge	MA
2015	No	Phyllom BioProducts	<a href="#">grubGONE!®, beetleGONE!® and boreGONE!®, Biological Insecticides with Low Impact on Humans and the Environment Yet Effective Against Destructive Beetle Pests (abstract)</a>	Oakland	CA
2015	No	PROSOCO, Inc.	<a href="#">PROSOCO R-Guard: High-Performance Phthalate-Free Air and Water Resistive Barrier Sealant and Sealant Coating System (abstract)</a>	Lawrence	KS
2015	Yes	Renmatix	<a href="#">The Plantrose® Process: Supercritical Water as the Economic Enabler of Biobased Industry (summary and picture)</a>	San Francisco	CA
2015	No	Sagamore-Adams Laboratories, LLC	<a href="#">PLATech, Green Chemistry Universal Adhesive-Sealing Technology (abstract)</a>	Chicago	IL
2015	No	Siluria Technologies, Inc.	<a href="#">Cleaner Transportation Fuels and Commodity Chemicals from Methane (abstract)</a>	San Francisco	CA
2015	No	Sirrus, Inc.	<a href="#">1, 1-Disubstituted Alkenes (abstract)</a>	Loveland	OH
2015	Yes	Soltex (Synthetic Oils and Lubricants of Texas)	<a href="#">A Novel High Efficiency Process for the Manufacture of Highly Reactive Polyisobutylene Using a Fixed Bed</a>	Houston	TX

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
			<a href="#">Solid State Catalyst Reactor System (summary and picture)</a>		
2015	No	VF Corporation	<a href="#">VF Corporation: CHEM-IQ<sup>SM</sup> (abstract)</a>	Greensboro	NC
2015	No	Voorhees, Kent; Colorado School of Mines	<a href="#">Bacteriophage-Based Bacterial Identification and Antibiotic Resistance Test (abstract)</a>	Golden	CO
2015	No	ZAPS Technologies, Inc.	<a href="#">An Application of Hybrid Multispectral Analysis; Real-Time Wastewater Process Control (abstract)</a>	Corvallis	OR
2015	No	Zhang, Yi-Heng Percival; Cell Free Bioinnovations Inc	<a href="#">Ultra-High Energy Density Metal-Free Sugar Biobattery (abstract)</a>	Blacksburg	VA
2015	No	Zhang, Yi-Heng Percival; Virginia Tech	<a href="#">High-Yield and High-Purity Hydrogen Production from Carbohydrates via Synthetic Enzymatic Pathways (abstract)</a>	Blacksburg	VA
2016	No	3M	<a href="#">Alternative to Sulfur Hexafluoride Enables up to 99% Greenhouse Gas Emission Reduction (abstract)</a>	St. Paul	MN
2016	No	AECOM	<a href="#">Green Nanotechnology Product and Processes for Cleaning Up Contaminated Soil and Groundwater (abstract)</a>	Atlanta	GA
2016	No	Aequor, Inc.	<a href="#">New Chemical Impedes Biofilm Formation and the Adhesion Of Foulers (abstract)</a>	San Diego	CA
2016	No	Alliance Finishing	<a href="#">Plating on Plastics (abstract)</a>	Oxnard	CA
2016	No	Biosynthetic Technologies	<a href="#">Estolides: A Low-Cost, High-Performance Renewable Fluid Certified for Motor Oil (abstract)</a>	Irvine	CA
2016	No	Bristol-Myers Squibb	<a href="#">Discovery, Development and Implementation of New Chemical Technology toward a Novel Commercial Synthesis for the HIV-Attachment Inhibitor, BMS-663068 (abstract)</a>	New Brunswick	NJ
2016	No	Calgon Carbon Corporation	<a href="#">FLUEPAC<sup>®</sup> activated carbon products for superior mercury control from flue gas and green re-use of coal combustion residuals (abstract)</a>	Moon Twp	PA
2016	No	Calysta	<a href="#">Disruptive Methantropic Technology for Sustainable Food, Fuel and Products: Green Chemistry Innovation Enabling US Global Competitiveness</a>	Menlo Park	CA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
			<a href="#"><u>in Low-Carbon, New Economy (abstract)</u></a>		
2016	No	Catalytic Innovations, LLC	<a href="#"><u>Catalytic Electrolysis for Renewable Fuel Generation from Organic Waste Water (abstract)</u></a>	Adamsville	RI
2016	Yes	CB&I; Albemarle	<a href="#"><u>AlkyClean® Technology: An Inherently Safer Technology for the Production of Gasoline Alkylate (summary)</u></a>	Amersfoort	TX
2016	Yes	Chirik, Paul J., Princeton University	<a href="#"><u>Catalysis with Earth Abundant Transition Metals (summary)</u></a>	Princeton	NJ
2016	No	Clean Chemistry, Inc.	<a href="#"><u>PeroxyMAX™ Oxidant Technology for Pollution Prevention in Industrial Sectors (abstract)</u></a>	Boulder	CO
2016	No	Collaborative Aggregates, LLC	<a href="#"><u>Delta S™: An Environmentally Benign and Worker Safe Asphalt Rejuvenator (abstract)</u></a>	Wilmington	MA
2016	No	Compact Membrane Systems, Inc.	<a href="#"><u>Membrane Dehydration for Solvent Recovery and Reuse (abstract)</u></a>	Newport	DE
2016	No	Covestro LLC	<a href="#"><u>Dream Production – CO<sub>2</sub> as a new building block for high-tech plastics (abstract)</u></a>	Pittsburgh	PA
2016	Yes	Dow AgroSciences LLC	<a href="#"><u>Instinct® Technology – Making Nitrogen Fertilizers Work More Effectively for Farmers and the Planet (summary)</u></a>	Indianapolis	IN
2016	No	Dow Chemical Company, The	<a href="#"><u>Dow Polymeric Flame Retardant (abstract)</u></a>	Midland	MI
2016	No	Dow Chemical Company, The	<a href="#"><u>SOLDERON™ BP Lead-free Solder Plating Chemistry (abstract)</u></a>	Marlborough	MA
2016	No	Dow Microbial Control	<a href="#"><u>Kathon™ 7 TI Antimicrobial for Water Treatment Applications (abstract)</u></a>	Collegeville	PA
2016	No	DuPont	<a href="#"><u>Creation, Integration, and Engineering of the World's Largest Cellulosic Ethanol BioRefinery Production Platform (abstract)</u></a>	Wilmington	DE
2016	No	Elinor Specialty Coatings; Bierwagen, Gordon; North Dakota State University; Akzo Nobel Aerospace Coatings	<a href="#"><u>Mg rich primer for Chrome free protection of Aluminum and its alloys (abstract)</u></a>	Fargo	ND
2016	No	Floral Soil LLC	<a href="#"><u>Floral Soil: A Green Chemistry Alternative to Phenol Formaldehyde Foams for Floral &amp; Horticulture Industries (abstract)</u></a>	Everett	WA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2016	No	Garg, Neil; University of California, Los Angeles	<a href="#">Catalytic Cross-Couplings Using a Sustainable Metal and Green Solvents (abstract)</a>	Los Angeles	CA
2016	No	H-O-H Water Technology, Inc.	<a href="#">Cooling Tower Water Conservation and Chemical Treatment Elimination (abstract)</a>	Palatine	IL
2016	No	Huang, Yu; University of California, Los Angeles	<a href="#">Surface Engineered High-performance Catalysts for Fuel Cell Applications (abstract)</a>	Los Angeles	CA
2016	No	Instrumental Polymer Technologies, LLC	<a href="#">Evolution Polymerization To Produce Sustainable Polycarbonate Dendrimers (abstract)</a>	Westlake Village	CA
2016	No	International Flavors & Fragrances Inc. (IFF)	<a href="#">A Greener Process for the Fragrance Veridian and Development/Implementation of IFF's Green Chemistry Tool (abstract)</a>	Union Beach	NJ
2016	No	ISCA Technologies, Inc.	<a href="#">SPLAT® VERB: An Insecticide-Free, Green Repellent for Bark Beetle Pests of North American Forestry (abstract)</a>	Riverside	CA
2016	No	Kiverdi	<a href="#">Carbon Engineering Platform (abstract)</a>	Hayward	CA
2016	No	Lygos, Inc.	<a href="#">Integrated Production of Sustainable Biobased Malonic Acid for Significant Source Pollution Reduction, Cost, and Performance Advantages (abstract)</a>	Emeryville	CA
2016	No	Marrone Bio Innovations	<a href="#">GRANDEVO® advanced bioinsecticides (abstract)</a>	Davis	CA
2016	No	Marrone Bio Innovations	<a href="#">ZEQUANOX® (abstract)</a>	Davis	CA
2016	No	Meridian Holdings Group (Meridian, Inc. and DaniMer Scientific)	<a href="#">Degradable Polymers for Fracking Applications (abstract)</a>	Bainbridge	GA
2016	No	Midwest Refrigerants, LLC -- a Missouri Limited Liability Company	<a href="#">The Recovery of Organic Halides from Waste Streams by the Chemical Reaction of Hydrogen and Carbon Dioxide (abstract)</a>	Shoreline	WA
2016	No	Miller, Stephen; U of Florida; U.S. Bioplastics, LLC	<a href="#">Replacing Packaging Plastics with Sustainable Bioplastics from Megacrop Waste (abstract)</a>	Gainesville	FL
2016	Yes	Newlight Technologies, LLC	<a href="#">AirCarbon: Greenhouse Gas Transformed into High-Performance Thermoplastic (summary)</a>	Irvine	CA
2016	No	Niwayama, Satomi; Texas Tech	<a href="#">Highly efficient and practical monohydrolysis of symmetric diesters (abstract)</a>	Lubbock	TX

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2016	No	Novvi, LLC (a joint venture of Amyris, Inc. and Cosan S.A. Industria e Comercio)	<a href="#">Renewable Oils for High Performance Lubricants (abstract)</a>	Emeryville	CA
2016	No	Ohio Soybean Council	<a href="#">Bio-Derived Oligomer Technology to Replace Bis Phenol-A (BPA)-Based Thermoset Coatings: A Practical Solution for BPA-Free Metal Can Coatings for Beer, Beverage, and Food Containers (abstract)</a>	Worthington	OH
2016	No	OMNOVA Solutions Inc.	<a href="#">SunCryl HP 114, an Environmentally Friendly Release Coat (abstract)</a>	Akron	OH
2016	No	Pfizer	<a href="#">A Green, Energy Efficient, Chemoenzymatic Process to Manufacture Pregabalin (abstract)</a>	San Diego	CA
2016	No	Procter & Gamble Company, and DuPont Company	<a href="#">Cold-Water Enzyme: Reducing the Environmental Footprint of Residential Laundry through Low Temperature Cleaning (abstract)</a>	Palo Alto	CA
2016	No	Rennovia Inc.	<a href="#">Breakthrough Catalyst Technology Enables Cost Competitive Drop-in Bio-Based Nylons and Polyurethanes (abstract)</a>	Santa Clara	CA
2016	No	Resinate Materials Group, Inc.	<a href="#">Converting Landfill Wastes to Multi-Functional Green Polyols for Coating Applications (abstract)</a>	Plymouth	MI
2016	No	Rivertop Renewables	<a href="#">Rivertop Renewables - Sugar Oxidation Process (abstract)</a>	Missoula	MT
2016	No	Sabatini, Jesse; US Army Research Laboratory (ARL)	<a href="#">Environmentally Friendly Colored Pyrotechnic Illuminants (abstract)</a>	Aberdeen Proving Ground	MD
2016	No	SiGNa Chemistry, Inc.; Dixie Chemical Company, Inc.	<a href="#">Input and Waste Associated with the Isomerization of Linear Alpha Olefins (abstract)</a>	New York	NY
2016	No	Sun Pharmaceuticals, Inc.	<a href="#">Environmental protection reagents from MSW: one-step quantitative resourcing municipal solid waste (abstract)</a>	San Diego	CA
2016	No	UOP LLC, A Honeywell Company	<a href="#">A Feedstock Flexible Process to produce Diesel and/or Jet Fuel from Renewable Resources (abstract)</a>	Des Plaines	IL
2016	Yes	Verdezyne	<a href="#">Renewable Nylon through Commercialization of BIOLON™ DDDA (summary)</a>	Carlsbad	CA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2016	No	Vestaron Corporation	<a href="#">SPEAR™ Insecticide: First Member of a New Class of Biopesticides which shows Efficacy comparable to Synthetic Insecticides (abstract)</a>	Kalamazoo	MI
2016	No	Virox Technologies Inc.	<a href="#">Accel 5 RTU, an Accelerated Hydrogen Peroxide® (AHP®) based cleaner-disinfectant that provides a sustainable and safer choice for infection prevention and control (abstract)</a>	Oakville	WI
2016	No	Vitaworks, LLC	<a href="#">Atom-Efficient Process for Producing Taurine (abstract)</a>	North Brunswick	NJ

## Green Chemistry Program Nomination Table

This table contains information on each unique technology nominated for the Presidential Green Chemistry Challenge from 1996 through 2016. Although EPA has received 1,714 nominations during this period, only 871 unique technologies are represented here because sponsors may nominate a technology more than once.

The columns are:

Year: The year of the most recent nomination for this technology.

Winner: The status of each nomination as an award-winning technology or a nominee.

Nomination Sponsor: The sponsor or sponsors of the nomination; generally, the name of the company, academic researcher (and institution), or other organization that developed the technology.

Nominated Technology Title: The title for the nominated technology as given by the sponsor. Each title is followed by a link to the associated summary page (for award-winning technologies) or abstract (for all other technologies).

City: The city given in the nomination; this is usually the city of the headquarters for a company or primary location of an academic institution, but may be the city of a plant or research facility. In a few cases, the city is that of a consultant who prepared the nomination.

State (St.): The state given in the nomination; as for the city of nomination, this may not represent the headquarters for a company or the primary location of an academic institution.

Also, download similar information about all nominated technologies as either:

1. a [Presidential Green Chemistry Challenge Nominations \(XLS\)](#)(2 pp, 3 MB) ([Download Excel Viewer](#)) [Exit](#)
2. a [Presidential Green Chemistry Challenge Nominations \(CSV\)](#)(1 pg, 2 MB)



## Nomination Table

Sort alphabetically or by year, use the search function, or both together.

To search, enter at least three characters in the box:

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1996	No	Advanced Micro Devices (AMD)	<a href="#">The Emission Quantification Model (abstract)</a>	Austin	TX
1996	No	Bayer Corporation	<a href="#">Aldimine-Isocyanate Chemistry: a Foundation for Environmentally-Friendly High Solids Coatings (abstract)</a>	Pittsburgh	PA
1996	Yes	Donlar Corporation	<a href="#">Production and Use of Thermal Polyaspartic Acid (summary)</a>	Bedford Park	IL
1996	Yes	Dow Chemical Company, The	<a href="#">100 Percent Carbon Dioxide as a Blowing Agent for the Polystyrene Foam Sheet Packaging Market (summary)</a>	Midland	MI
1996	No	Eastman Chemical Company	<a href="#">Water-Dispersible Sulfopolyester for Reduced VOC Consumer Products (abstract)</a>	Kingsport	TN
1996	No	GE Plastics (General Electric Corporation)	<a href="#">New Catalyst for Producing ULTEM® Thermoplastic Resin (abstract)</a>	Mt. Vernon	IN
1996	Yes	Holtzapple, Mark; Texas A&M University	<a href="#">Conversion of Waste Biomass to Animal Feed, Chemicals, and Fuels (summary)</a>	College Station	TX
1996	No	Hudlicky, Tomas; University of Florida	<a href="#">Enzyme-Assisted Conversion of Aromatic Substances to Value-Added End Products. Exploration of Potential Routes to Biodegradable Materials and New Pharmaceuticals (abstract)</a>	Gainesville	FL
1996	No	Merck & Co., Inc.	<a href="#">Waste Minimization in the Manufacture of an Antibiotic Produced by Chemical Synthesis (abstract)</a>	Whitehouse Station	NJ
1996	Yes	Monsanto Company	<a href="#">Catalytic Dehydrogenation of Diethanolamine (summary)</a>	St. Louis	MO
1996	No	Recombinant BioCatalysis, Inc. (RBI)	<a href="#">Development of a Biodiversity Search and Enzyme Optimization Technology (abstract)</a>	Sharon Hill	PA
1996	Yes	Rohm and Haas Company	<a href="#">Designing an Environmentally Safe Marine Antifoulant (summary)</a>	Spring House	PA
1996	No	Stanson Corporation	<a href="#">National Conversion to Low Sudsing Hand Dish Detergents for Industrial,</a>	S. Kearny	NJ

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
			<a href="#"><u>Institutional, and Especially Consumer Application (abstract)</u></a>		
1996	No	Taylor, Larry T.; Virginia Tech and Virginia Tech Intellectual Properties	<a href="#"><u>A Nontoxic Liquid Metal Composition for Use as a Mercury Substitute (abstract)</u></a>	Blacksburg	VA
1996	No	Tremco, a BF Goodrich Company	<a href="#"><u>Automotive Windshield Adhesives (abstract)</u></a>	Akron	OH
1996	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>A Microwave Oven Dissolution Procedure for a Ten Gram Sample of Soil Requiring Radiochemical Analysis (abstract)</u></a>	Los Alamos	NM
1996	No	U.S. Department of Energy, Los Alamos National Laboratory; Phillips, Jonathan; Pennsylvania State University	<a href="#"><u>Two-Stage Catalyst for NO<sub>x</sub> Reduction, CO Oxidation, and Hydrocarbon Combustion in Oxygen Containing Exhaust Mixtures (abstract)</u></a>	Washington	DC
1996	No	U.S. Department of Energy, Office of Industrial Technologies Programs	<a href="#"><u>The Alternative Feedstocks and Biological and Chemical Technologies Research Programs (abstract)</u></a>	Washington	DC
1997	Yes	Albright & Wilson Americas	<a href="#"><u>THPS Biocides: A New Class of Antimicrobial Chemistry (summary)</u></a>	Ashland	VA
1997	No	Alliance for Environmental Technology (AET)	<a href="#"><u>The Use of Chlorine Oxide, the Foundation of Elemental Chlorine-Free Bleaching for Pulp and Paper, as a Pollution Prevention Process (abstract)</u></a>	Washington	DC
1997	No	Altus Biologics Inc.	<a href="#"><u>Cross-Linked Enzyme Crystals (CLECs) as Robust and Broadly Applicable Industrial Catalysts (abstract)</u></a>	Cambridge	MA
1997	No	American Chemical Corporation	<a href="#"><u>Utilization of High Performance, Environmentally Compliant Chemicals: GREEN LINE Adhesive, Sealant, and Coating Technologies (abstract)</u></a>	Washington	DC
1997	No	Anderson, Marc A.; University of Wisconsin-Madison	<a href="#"><u>Green Technology for the 21st Century: Microporous Ceramics (abstract)</u></a>	Madison	WI
1997	No	Benchmark Products, Inc.	<a href="#"><u>Development of a Nickel Brightener Solution (abstract)</u></a>	Indianapolis	IN
1997	Yes	BHC Company (Hoechst Celanese)	<a href="#"><u>BHC Company Ibuprofen Process (summary)</u></a>	Dallas	TX
1997	No	Circuit Research Corporation	<a href="#"><u>A Nontoxic, Nonflammable, Aqueous-Based Cleaner/Degreaser and Associated Parts Washing Systems</u></a>	Delano	MN

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
			<a href="#"><u>Commonly Employed in the Automotive Repair Industry (abstract)</u></a>		
1997	Yes	DeSimone, Joseph M.; University of North Carolina at Chapel Hill (UNC) and North Carolina State University (NCSU)	<a href="#"><u>Design and Application of Surfactants for Carbon Dioxide (summary)</u></a>	Chapel Hill	NC
1997	No	Dow Chemical Company, The	<a href="#"><u>INVERT™ Solvents in Aircraft Paint Stripping (abstract)</u></a>	Midland	MI
1997	No	Dumesic, James A.; University of Wisconsin-Madison	<a href="#"><u>Rational Design of Catalytic Reactions for Pollution Prevention (abstract)</u></a>	Madison	WI
1997	No	DuPont Company	<a href="#"><u>The DUCARE 'Zero Effluent' Recycle Chemistry System (abstract)</u></a>	Wilmington	DE
1997	No	Eastman Chemical Company	<a href="#"><u>Biodegradable Copolyester (abstract)</u></a>	Kingsport	TN
1997	No	Eastman Chemical Company	<a href="#"><u>Biofiltration Technology (abstract)</u></a>	Kingsport	TN
1997	No	Eastman Chemical Company	<a href="#"><u>Water-Dispersible Hot-Melt Adhesive Raw Material (abstract)</u></a>	Kingsport	TN
1997	No	Gross, Richard A.; University of Massachusetts Lowell	<a href="#"><u>Biotechnological Routes to 'Tailored' Polymeric Products of Environmental and Industrial Importance (abstract)</u></a>	Lowell	MA
1997	No	Hatton, T. Alan; Massachusetts Institute of Technology	<a href="#"><u>Derivatized and Polymeric Solvents for Minimizing Pollution During the Synthesis of Pharmaceuticals (abstract)</u></a>	Cambridge	MA
1997	No	Henkel Corporation	<a href="#"><u>Alkyl Polyglycoside Surfactants (abstract)</u></a>	Ambler	PA
1997	No	Hughes Environmental Systems, Inc.	<a href="#"><u>DryWash™ Carbon Dioxide Dry Cleaning Technology (abstract)</u></a>	El Segundo	CA
1997	No	IBM-Austin	<a href="#"><u>Elimination of Ozone-Depleting Chemicals in the Printed Wire Board and Electronic Assembly and Test Processes (abstract)</u></a>	Austin	TX
1997	No	IBM-Austin	<a href="#"><u>Innovative Techniques for Chemical and Waste Reductions in the Printed Wire Board Circuitize Process (abstract)</u></a>	Austin	TX
1997	Yes	Imation™ Corporation	<a href="#"><u>DryView™ Imaging Systems (summary)</u></a>	Oakdale	MN
1997	No	King, Charles M.; University of Georgia	<a href="#"><u>Biomimetic Transition Metal Complexes for Homogeneous Catalytic Reductive Dechlorination of the</u></a>	Athens	GA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
			<a href="#"><u>PCBs/One-Step Extraction-Detoxification in Subcritical and Supercritical Fluids (abstract)</u></a>		
1997	No	Klenzoid, Inc.	<a href="#"><u>Zero Discharge System For Cooling Towers (abstract)</u></a>	Conshohocken	PA
1997	Yes	Legacy Systems, Inc.	<a href="#"><u>Coldstrip™, A Revolutionary Organic Removal and Wet Cleaning Technology (summary)</u></a>	Fremont	CA
1997	No	Materials Technology Limited	<a href="#"><u>SuperC™, The Use of Supercritical Carbon Dioxide (abstract)</u></a>	Reno	NV
1997	No	Molten Metal Technology, Inc.	<a href="#"><u>Catalytic Extraction Processing (CEP) (abstract)</u></a>	Waltham	MA
1997	No	Monsanto Company	<a href="#"><u>Roundup Ready™ Technology (abstract)</u></a>	St. Louis	MO
1997	No	Sandoz Pharmaceutical Corporation	<a href="#"><u>A New Process for the Manufacture of Pharmaceuticals (abstract)</u></a>	East Hanover	NJ
1997	No	Shaw, Henry; New Jersey Institute of Technology (NJIT)	<a href="#"><u>The Replacement of Hazardous Organic Solvents with Water in the Manufacture of Chemicals and Pharmaceuticals (abstract)</u></a>	Newark	NJ
1997	No	Technic, Inc.	<a href="#"><u>Noncyanide Silver Electroplating (abstract)</u></a>	Providence	RI
1997	No	Texaco, Inc.	<a href="#"><u>CleanSystem<sup>3</sup> Gasoline (abstract)</u></a>	White Plains	NY
1997	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>Application of Green Chemistry Principles to Eliminate Air Pollution From the Mexican Brickmaking Microindustry (abstract)</u></a>	Los Alamos	CA
1997	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>Solvent Replacement and Improved Selectivity in Asymmetric Catalysis Using Supercritical Carbon Dioxide (abstract)</u></a>	Los Alamos	NM
1997	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#"><u>DOE Methods for Evaluating Environmental and Waste Management Samples (abstract)</u></a>	Richland	WA
1998	No	AlliedSignal Federal Manufacturing and Technologies	<a href="#"><u>Synergy CCS™ Precision Cleaning Solvent: A Government/Industry Solution to a Complex Environmental Problem (abstract)</u></a>	Kansas City	MO
1998	No	Beckman, Eric J.; University of Pittsburgh	<a href="#"><u>Design of CO<sub>2</sub>-Soluble Ligands for Affinity Extraction Using CO<sub>2</sub> (abstract)</u></a>	Pittsburgh	PA
1998	No	CTS Corporation Resistor Networks	<a href="#"><u>No-Clean Soldering (abstract)</u></a>	Berne	IN

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1998	No	Doherty, Michael F.; Malone, Michael F.; University of Massachusetts, Amherst	<a href="#">Reactive Distillation Technology to Reduce Waste at the Source (abstract)</a>	Amherst	MA
1998	Yes	Draths, Karen M. and Frost, John W.; Michigan State University	<a href="#">Use of Microbes as Environmentally Benign Synthetic Catalysts (summary)</a>	East Lansing	MI
1998	No	DuPont Company	<a href="#">NAFION Membrane Technology (abstract)</a>	Wilmington	DE
1998	No	DuPont Company	<a href="#">The INFINITY Process (abstract)</a>	Wilmington	DE
1998	No	DuPont Polyester	<a href="#">DuPont Petretec(SM) Polyester Regeneration Technology - Making Polyester Evergreen (abstract)</a>	Wilmington	DE
1998	No	E. I. DuPont de Nemours & Co., Inc.	<a href="#">Zero Effluent Photographic Processing in the Printing Industry (abstract)</a>	Wilmington	DE
1998	No	Eastman Kodak Company	<a href="#">Polycarbonate/Polydimethylsiloxane Copolymers for Thermal Print Media (abstract)</a>	Rochester	NY
1998	No	Eastman Kodak Company	<a href="#">Replacement of Methanol Solutions with Aqueous Dispersions in Photographic Coatings (abstract)</a>	Rochester	NY
1998	No	Eli Lilly and Company	<a href="#">Waste Reduction During Development of a New Process for Manufacture of Pharmaceutical Products (abstract)</a>	Indianapolis	IN
1998	Yes	Flexsys America L.P.	<a href="#">Elimination of Chlorine in the Synthesis of 4-Aminodiphenylamine: A New Process That Utilizes Nucleophilic Aromatic Substitution for Hydrogen (summary)</a>	Akron	OH
1998	No	Govind, Rakesh; University of Cincinnati	<a href="#">Bioconversion of Carbon Dioxide into Organic Feedstocks (abstract)</a>	Cincinnati	OH
1998	No	Hendrickson, James B.; Brandeis University	<a href="#">The SYNGEN Program for Generation of Alternative Syntheses (abstract)</a>	Waltham	MA
1998	No	Lockheed Martin Tactical Aircraft Systems	<a href="#">Development and Implementation of Low Vapor Pressure Cleaning Solvent Blends (abstract)</a>	Fort Worth	TX
1998	No	Lockheed Martin Tactical Aircraft Systems (LMTAS)	<a href="#">Implementation and Verification of Aqueous Alkaline Cleaners (abstract)</a>	Fort Worth	TX
1998	No	MEMC Electronic Materials, Inc.	<a href="#">Elimination of Ozone-Depleting Chemicals Through the Use of a Water Soluble Adhesive "Green Wax" (abstract)</a>	St. Peters	MO

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1998	No	Mobil Technology Company	<a href="#">Production of Cumene with Zeolite Catalyst--The Mobil/Badger Cumene Process (abstract)</a>	Paulsboro	NJ
1998	No	NICCA U.S.A., Inc.	<a href="#">Heavy Metals Free, Non-Formaldehyde Fixing Agent for Direct and Fiber Reactive Dyes (abstract)</a>	Fountain Inn	SC
1998	No	Nortel Technology	<a href="#">Molyphos: A Chromate-Free Alternative for Corrosion Protection of Metal Parts (abstract)</a>	Raleigh	NC
1998	No	Pharmacia and Upjohn, Inc.	<a href="#">Environmental Improvements from Redesigning the Commercial Manufacture of Progesterone (abstract)</a>	Kalamazoo	MI
1998	No	Phillips Petroleum Company	<a href="#">Reduced Volatility Alkylation Process (abstract)</a>	Bartlesville	OK
1998	No	Praxair, Inc.	<a href="#">Liquid Oxidation Reactor (LOR) (abstract)</a>	Danbury	CT
1998	Yes	Pyrocool Technologies, Inc.	<a href="#">Technology for the Third Millennium: The Development and Commercial Introduction of an Environmentally Responsible Fire Extinguishment and Cooling Agent (summary)</a>	Lynchburg	VA
1998	No	Rochester Midland Corporation	<a href="#">Core Line of Cleaning Products (abstract)</a>	Rochester	NY
1998	Yes	Rohm and Haas Company	<a href="#">Invention and Commercialization of a New Chemical Family of Insecticides Exemplified by CONFIRM™ Selective Caterpillar Control Agent and the Related Selective Insect Control Agents MACH 2™ and INTREPID™ (summary)</a>	Philadelphia	PA
1998	No	Rybarczyk, James P.; Ball State University	<a href="#">Premature Degradation of Coolant Oil in the Machining of Magnesium in the Automobile Industry (abstract)</a>	Muncie	IN
1998	No	Stepan Company	<a href="#">Stepanfoam Water-Blown Polyurethane Foam HCFC-Free, Environmentally Friendly, Rigid Polyurethane Foam (abstract)</a>	Northfield	IL
1998	Yes	Trost, Barry M.; Stanford University	<a href="#">The Development of the Concept of Atom Economy (summary)</a>	Stanford	CA
1998	No	U.S. Department of Agriculture, Agricultural Research Service, Northwest Irrigation and Soils Research Laboratory	<a href="#">Polyacrylamide Technology Reduces Soil Erosion (abstract)</a>	Kimberly	ID

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1998	No	U.S. Department of Defense, Office of Munitions; U.S. Department of Energy, Weapons Supported Research; Lawrence Livermore National Laboratory	<a href="#">Environmentally-Driven Preparation of Insensitive Energetic Materials (abstract)</a>	Livermore	CA
1998	Yes	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Novel Membrane-Based Process for Producing Lactate Esters – Nontoxic Replacements for Halogenated and Toxic Solvents (summary)</a>	Argonne	IL
1998	No	U.S. Department of the Navy, Office of Naval Research; U.S. Department of the Navy, Naval Surface Warfare Center; DeSimone, Joseph, University of North Carolina; Aerojet Propulsion	<a href="#">Use of Carbon Dioxide as an Alternative Green Solvent for the Synthesis of Energetic Thermoplastic Elastomers (abstract)</a>	Arlington	VA
1998	No	U.S. Department of the Navy, Office of Naval Research; U.S. Department of the Navy, Naval Surface Warfare Center; U.S. Army Armament Research, Development and Engineering Center; U.S. Department of Energy, Los Alamos National Laboratory; Aerojet	<a href="#">Waste Reduction in the Production of an Energetic Material by Development of an Alternative Synthesis (abstract)</a>	Arlington	VA
1998	No	Union Camp Corporation	<a href="#">C-FREE™ Pulp Ozone Bleaching Project (abstract)</a>	Franklin	VA
1999	No	ABB Power T&D Company Inc.	<a href="#">Fully Biodegradable Vegetable Oil-Based Electrical Insulating Fluid (BIOTEMP™) (abstract)</a>	Raleigh	NC
1999	No	Akzo Nobel Business Unit Base Chemicals	<a href="#">A Durable Hydrodechlorination Catalyst for Selective Conversion of CCl4 to CHCl3 (abstract)</a>	Dobbs Ferry	NY
1999	No	Akzo Nobel Sub Business Unit Phosphorus Chemicals	<a href="#">Next Generation Fire-Resistant Fluids (abstract)</a>	Dobbs Ferry	NY



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1999	No	American Society for Testing & Materials (ASTM)	<a href="#">Analysis of Liquid Hazardous Waste for Heavy Metals by Energy-Dispersive X-ray Fluorescence (EDXRF) Spectrometry (abstract)</a>	West Conshohocken	PA
1999	No	Antia, Jimmy E.; Govind, Rakesh; University of Cincinnati	<a href="#">Novel In-Situ Zeolite Coatings in Monoliths (abstract)</a>	Cincinnati	OH
1999	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">Metal Extraction and Recovery Using Carbon Dioxide (abstract)</a>	Pittsburgh	PA
1999	Yes	Biofine, Incorporated	<a href="#">Conversion of Low-Cost Biomass Wastes to Levulinic Acid and Derivatives (summary)</a>	Waltham	MA
1999	Yes	Collins, Terry; Carnegie Mellon University	<a href="#">TAM™ Oxidant Activators: General Activation of Hydrogen Peroxide for Green Oxidation Technologies (summary)</a>	Pittsburgh	PA
1999	No	Cussler, E.L.; University of Minnesota	<a href="#">Pollution Preventing Lithographic Inks (abstract)</a>	Minneapolis	MN
1999	Yes	Dow AgroSciences LLC	<a href="#">Spinosad: A New Natural Product for Insect Control (summary)</a>	Indianapolis	IN
1999	No	Dow Corning Corporation	<a href="#">New Technology Converts Waste to Valuable Intermediates (abstract)</a>	Carrollton	KY
1999	No	Dow Corning Corporation	<a href="#">Volatile Methyl Siloxanes: Environmentally Sound Solvent Systems (abstract)</a>	Midland	MI
1999	No	DuPont Company	<a href="#">Reduction of Carbon Tetrachloride Emissions at the Source by the Development of a New Catalyst (abstract)</a>	Wilmington	DE
1999	No	Geon Company, The	<a href="#">Increased Utilization of Raw Materials in the Production of Vinyl Chloride Monomer (abstract)</a>	Avon Lake	OH
1999	No	Harrell, J.W.; Lane, Allan M.; Jefcoat, I.A.; Nikles, David E.; The University of Alabama	<a href="#">Waterborne Coating Formulations for Video Tape Manufacture (abstract)</a>	Tuscaloosa	AL
1999	No	Hauser, Inc.	<a href="#">Paclitaxel Process Improvements (abstract)</a>	Boulder	CO
1999	No	IBM Corporation, T.J. Watson Research Center	<a href="#">Green Card: A Biopolymer-Based and Environmentally Conscious Printed Wiring Board Technology (abstract)</a>	Yorktown Heights	NY
1999	No	Imation Corporation	<a href="#">Imation No Process Plates (abstract)</a>	Oakdale	MN

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1999	No	IMC-Agrico Company	<a href="#"><u>AGROTAIN® N-(n-butyl)Thiophosphoric Triamide (abstract)</u></a>	Bannockburn	IL
1999	No	International Metalizing Corporation	<a href="#"><u>Non Toxic Antifouling (abstract)</u></a>	Pennsauken	NJ
1999	No	Khalili, Nasrin R.; Arastoopour, Hamid; Walhof, Laura; Illinois Institute of Technology	<a href="#"><u>A Novel Waste Minimization Approach: Production of Carbon-Based Catalyst or Sorbent from Biosolids (abstract)</u></a>	Chicago	IL
1999	No	Ladisch, Michael R.; Purdue University	<a href="#"><u>Biobased Adsorbents for Desiccant Coolers (abstract)</u></a>	West Lafayette	IN
1999	Yes	Lilly Research Laboratories	<a href="#"><u>Practical Application of a Biocatalyst in Pharmaceutical Manufacturing (summary)</u></a>	Indianapolis	IN
1999	No	Lin, Chhiu-Tsu; Northern Illinois University	<a href="#"><u>Chrome-Free Single-Step In-Situ Phosphatizing Coatings (abstract)</u></a>	DeKalb	IL
1999	No	M.A. Hanna Color - Technical Center	<a href="#"><u>Reducing VOC Emissions by Eliminating Painting and Labeling Operations with a New Color Laser Marking System for Plastic Parts (abstract)</u></a>	Suwanee	GA
1999	No	Mallinckrodt Inc.	<a href="#"><u>The Removal of Oxides of Nitrogen by In Situ Addition of Hydrogen Peroxide to a Metal Dissolving Process (abstract)</u></a>	Chesterfield	MI
1999	No	Mathews, Alexander P.; Kansas State University	<a href="#"><u>Waste Biomass Utilization in the Production of a Biodegradable Road Deicer (abstract)</u></a>	Manhattan	KS
1999	No	Monsanto Company	<a href="#"><u>Metabolic Engineering of Crops for Commercial Production of Biodegradable Plastics (abstract)</u></a>	St. Louis	MO
1999	No	Nalco Chemical Company	<a href="#"><u>Nalco Fuel Tech NO<sub>x</sub>OUT® Process (abstract)</u></a>	Naperville	IL
1999	No	Nalco Chemical Company	<a href="#"><u>Nalco LAZON Technology (abstract)</u></a>	Naperville	IL
1999	No	Nalco Chemical Company	<a href="#"><u>Nalco NALMET® Heavy Metal Removal Technology (abstract)</u></a>	Naperville	IL
1999	Yes	Nalco Chemical Company	<a href="#"><u>The Development and Commercialization of ULTIMER®: The First of a New Family of Water-Soluble Polymer Dispersions (summary)</u></a>	Naperville	IL
1999	No	Nassaralla, Claudia Lage; Michigan Technological University	<a href="#"><u>Waste Reduction and Recycling of Magnesite-Chrome Refractory into the Steelmaking Process (abstract)</u></a>	Houghton	MI

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1999	No	Novon International	<a href="#">Natural Recycling of Plastics through Chemical and Biological Degradation (abstract)</a>	Tonawanda	NY
1999	No	Paquette, Leo A.; The Ohio State University	<a href="#">Environmental Advantages Offered by Indium-Promoted Carbon-Carbon Bond-Forming Reactions in Water (abstract)</a>	Columbus	OH
1999	No	Peretti, Steven W.; North Carolina State University	<a href="#">Biosynthetic Production of p-Hydroxybenzoate Improves Regiospecificity and Minimizes Byproduct Generation (abstract)</a>	Raleigh	NC
1999	No	Polaroid Corporation; Warner, John C.; University of Massachusetts Boston	<a href="#">Environmentally Benign Supramolecular Assemblies of Hydroquinones in Polaroid Instant Photography (abstract)</a>	Waltham	MA
1999	No	Radiance Services Company	<a href="#">The Radiance Process: A Quantum Leap in Green Chemistry (abstract)</a>	Bethesda	MD
1999	No	Raghavan, Dharmaraj; Howard University	<a href="#">Design of Rubberized Concrete from Recycled Rubber Tires (abstract)</a>	Washington	DC
1999	No	Raghavan, Dharmaraj; Howard University	<a href="#">Novel Applications of Polymer Composite from Renewable Materials (abstract)</a>	Washington	DC
1999	No	Richard H. Fish, Lawrence Berkeley National Laboratory, University of California	<a href="#">Fluorous Biphasic Catalysis: A New Paradigm for the Separation of Homogeneous Catalysts from Their Reaction Substrates and Products, as Demonstrated in Alkane and Alkene Oxidation Chemistry (abstract)</a>	Berkeley	CA
1999	No	Rogers, Robin D.; University of Alabama	<a href="#">Green Separation Science and Technology: Using Environmentally Benign Polymers to Replace VOCs in Industrial Scale Liquid/Liquid or Chromatographic Separations (abstract)</a>	Tuscaloosa	AL
1999	No	Rowe, H. Alan; Norfolk State University	<a href="#">New Reducing Sugar Assay (abstract)</a>	Norfolk	VA
1999	No	SaLUT Inc.	<a href="#">Chemically Modified Crumb Rubber Asphalt (abstract)</a>	McLean	VA
1999	No	Sequa Chemicals, Inc.	<a href="#">Starch Graft Polymers as Phenolic Resin Extenders (abstract)</a>	Chester	SC
1999	No	Singh, Mono M.; Szafran, Zvi; Pike, Ronald M.; Merrimack College	<a href="#">National Microscale Chemistry Center: The Leader in Worldwide Implementation of Microscale Technology (abstract)</a>	North Andover	MA
1999	No	Solutia Inc.	<a href="#">Greenhouse Gases: From Waste to Product (abstract)</a>	St. Louis	MO

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1999	No	Solvent Kleene Inc.	<a href="#">Non-Hazardous Degreaser that Degreases as Efficiently as Trichloroethane and Outperforms Aqueous Products (abstract)</a>	Peabody	MA
1999	No	Stepan Company	<a href="#">Stepan Company PA Lites Polyester Polyol (abstract)</a>	Northfield	IL
1999	No	Stewart, Jon D.; University of Florida	<a href="#">Engineered Baker's Yeast as a Means to Incorporate Biocatalysis Early in Process Design: Application to the Asymmetric Baeyer-Villiger Oxidation (abstract)</a>	Gainesville	FL
1999	No	Subramaniam, Bala; University of Kansas	<a href="#">A Novel Solid-Acid Catalyzed 1-Butene/Isobutane Alkylation Process (abstract)</a>	Lawrence	KS
1999	No	Supratech Systems Inc.	<a href="#">Water Washable Flexo Photopolymer Plate "Flexceed" and Washout System (abstract)</a>	Charlotte	NC
1999	No	Synovec, Robert E.; University of Washington	<a href="#">Novel Chemical Analysis Technologies by Water Liquid Chromatography, Raman Spectroscopy, and High Speed Gas Chromatography (abstract)</a>	Seattle	WA
1999	No	Synthon Corporation	<a href="#">Development and Commercialization of High-Value Chemical Intermediates From Starch and Lactose. (abstract)</a>	Lansing	MI
1999	No	Tektronix, Inc.	<a href="#">Designing Safer Chemicals: Spitfire Ink (abstract)</a>	Wilsonville	OR
1999	No	Thompson, Stephen; Colorado State University	<a href="#">Small Scale Chemistry: Pollution Prevention in Inorganic Chemistry Instruction Program (abstract)</a>	Fort Collins	CO
1999	No	U.S. Army, U.S. Army Armament Research, Development, & Engineering Center	<a href="#">Use of Solid Catalysts in Pollution Prevention in the Nitration of Aromatic Compounds (abstract)</a>	Picatinny Arsenal	NJ
1999	No	U.S. Department of Energy, Albany Research Center	<a href="#">Chloride Free Processing of Aluminum Scrap (abstract)</a>	Albany	OR
1999	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">Biocatalytic and Biomimetic Process for the Synthesis of Nitroaromatic Intermediates and Destruction of Nitrocompounds, Including Explosives (abstract)</a>	Richland	WA
1999	No	U.S. Department of the Treasury, Bureau of Engraving and Printing	<a href="#">ISOMET: Development of an Alternative Solvent (abstract)</a>	Washington	DC

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1999	No	Union Carbide Corporation	<a href="#">Splittable Surfactants (abstract)</a>	Danbury	CT
1999	No	United States Postal Service	<a href="#">Environmentally Benign Pressure Sensitive Adhesive Program (abstract)</a>	Washington	DC
1999	No	Varma, Rajender S.; Sam Houston State University	<a href="#">Solvent-Free Chemical Synthesis (abstract)</a>	Huntsville	TX
1999	No	Viasystems Technology Corporation	<a href="#">Solder Waste Reduction Environmental Project (abstract)</a>	Richmond	VA
1999	No	Washington State Department of Ecology	<a href="#">Washington State Pollution Prevention, Health, and Safety Initiative in Academic Chemistry Laboratories (abstract)</a>	Spokane	WA
1999	No	Weimer, Alan W.; University of Colorado	<a href="#">Vibrating Fluidized Bed Combustion Nitridation Processing Using Concentrated Solar Energy (abstract)</a>	Boulder	CO
1999	No	Zyvax Incorporated	<a href="#">The Zyvox "Watershield" Mold Release (abstract)</a>	Boca Raton	FL
2000	No	3M Center	<a href="#">Hydrofluoroethers (HFEs)—The Right Balance of Properties (abstract)</a>	St. Paul	MN
2000	No	Albright & Wilson Americas, Inc.	<a href="#">A New Environmentally Friendly Corrosion Inhibitor (abstract)</a>	Glen Allen	VA
2000	No	AMSOIL Incorporated	<a href="#">Waste Oil Source Reduction Through Extended Oil Service Life (abstract)</a>	Superior	WI
2000	No	Arkenol Holdings, L.L.C.	<a href="#">Sugars from Lignocellulosic Materials for the Production of Bio-Based Fuels and Chemicals (abstract)</a>	Mission Viejo	CA
2000	No	BAT Technologies Inc.	<a href="#">Primer for Anti-Fouling Paint (abstract)</a>	New Rochelle	NY
2000	Yes	Bayer Corporation; Bayer AG (Germany)	<a href="#">Two-Component Waterborne Polyurethane Coatings (summary)</a>	Pittsburgh	PA
2000	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">Catalysts for the Copolymerization of Carbon Dioxide and Cyclic Ethers (abstract)</a>	Pittsburgh	PA
2000	No	Bergbreiter, David E.; Texas A&M University	<a href="#">The Use of Soluble Polymers to Recover Catalysts and to Control Catalytic Reactions (abstract)</a>	College Station	TX
2000	No	BetzDearborn, Inc.	<a href="#">Designing an Environmentally Friendly Copper Corrosion Inhibitor for Cooling Systems (abstract)</a>	Trevose	PA
2000	No	BIOCORP, Inc.	<a href="#">Biodegradable Thermoplastic Material (Mater-Bi™) (abstract)</a>	Redondo Beach	CA
2000	No	Brennecke, Joan F.; University of Notre Dame; Beckman, Eric J.; University of Pittsburgh	<a href="#">Ionic Liquid/CO<sub>2</sub> Biphasic Systems: New Media for Green Processing (abstract)</a>	Notre Dame	IN

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2000	No	Center for Forest Products Research, Inc.	<a href="#">Polymers and Plastics from Lignin Biomass (abstract)</a>	Albuquerque	NM
2000	No	CerOx Corporation	<a href="#">The CerOx Process: A Non-Thermal Alternative for Hazardous Waste Destruction (abstract)</a>	Sunnyvale	CA
2000	No	Chemecol, LLC	<a href="#">PVC Alternative Technology (abstract)</a>	Cornelius	NC
2000	No	Ciba Specialty Chemicals Corporation	<a href="#">Ashless Friction Modifier/Antioxidant for Lubricants (abstract)</a>	Tarrytown	NY
2000	No	Ciba Specialty Chemicals Corporation	<a href="#">New Organic Corrosion Inhibitors Help Replace Toxic Heavy Metals and Reduce Solvent Emissions (abstract)</a>	Tarrytown	NY
2000	Yes	Dow AgroSciences LLC	<a href="#">Sentricon™ Termite Colony Elimination System, A New Paradigm for Termite Control (summary)</a>	Indianapolis	IN
2000	No	Eastman Kodak Company	<a href="#">Minimizing Environmental Emissions by Using Different Solvents in Manufacturing Processes (abstract)</a>	Rochester	NY
2000	No	Eka Chemicals, Inc.	<a href="#">SVP-Pure™ ClO<sub>2</sub> Process Technology (abstract)</a>	Marietta	GA
2000	No	Environmental Technology and Education Center, Inc. (ETEC)	<a href="#">High Energy Efficiency, Environmentally Friendly Refrigerants (abstract)</a>	Albuquerque	NM
2000	No	Freeman, Harold S.; North Carolina State University	<a href="#">Synthetic Dyes Based on Toxicological Considerations (abstract)</a>	Raleigh	NC
2000	No	H and H Associates, Inc.	<a href="#">DUAL-ICE®: A Non-Toxic, Non-Caustic Instant Cold Compress (abstract)</a>	Bena	VA
2000	No	Ho, Nancy W. Y.; Purdue University	<a href="#">Genetic Engineering of Saccharomyces Yeasts for Effective Production of Ethanol and Other Green Chemicals from Renewable Cellulosic Biomass (abstract)</a>	West Lafayette	IN
2000	No	IBM Research Division, Almaden Research Center	<a href="#">The Chemical Kinetics Simulator Program (abstract)</a>	San Jose	CA
2000	No	IonEdge Corporation	<a href="#">Zero-Waste Dry Plating of Cadmium (abstract)</a>	Fort Collins	CO
2000	No	KM Limited Inc.	<a href="#">The PIX Module Software: Combining Life Cycle Assessment with Activity-Based Costing to Reduce Global Environmental Impact and Sustain Industrial Profitability (abstract)</a>	Virginia Beach	VA

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2000	No	Knipple, Douglas C.; Cornell University	<a href="#"><u>In Vivo Synthesis of Lepidopteran Pheromone Precursors in <i>Saccharomyces Cerevisiae</i>: An Economical Process for the Production of Effective, Nontoxic, Environmentally Safe Insect Control Products (abstract)</u></a>	Geneva	NY
2000	No	Lubrizol Corporation, The	<a href="#"><u>Durable AMPS<sup>®</sup> Antimist Polymers for Aqueous Metalworking Fluids (abstract)</u></a>	Wickliffe	OH
2000	No	Lynd, Lee R.; Dartmouth College	<a href="#"><u>Overcoming the Recalcitrance of Cellulosic Biomass and Envisioning the Role of Biomass in a Sustainable World (abstract)</u></a>	Hanover	NH
2000	No	Mallinckrodt Baker Inc.	<a href="#"><u>Hydrogen Sulfide Elimination (abstract)</u></a>	Phillipsburg	NJ
2000	No	Micell Technologies	<a href="#"><u>The MICARE Liquid CO<sub>2</sub> Dry Cleaning Process (abstract)</u></a>	Raleigh	NC
2000	No	Mobil Oil Corporation	<a href="#"><u>Membrane Separation in Solvent Lube Dewaxing (abstract)</u></a>	Fairfax	VA
2000	No	Morton International, Inc.	<a href="#"><u>ADVAFLEX<sup>™</sup> Organic Stabilizer (abstract)</u></a>	Cincinnati	OH
2000	Yes	RevTech, Inc.	<a href="#"><u>Envirogluv<sup>™</sup>: A Technology for Decorating Glass and Ceramicware with Radiation-Curable, Environmentally Compliant Inks (summary)</u></a>	Edison	NJ
2000	No	Robbat, Jr., Albert; Tufts University	<a href="#"><u>Cheminformatics: Faster, Better, Cheaper Chemical Analysis Software (abstract)</u></a>	Medford	MA
2000	No	Robbat, Jr., Albert; Tufts University	<a href="#"><u>On-line Detection of Subsurface Pollutants by Thermal Extraction Cone Penetrometry-Thermal Desorption Gas Chromatography/Mass Spectrometry (abstract)</u></a>	Medford	MA
2000	Yes	Roche Colorado Corporation	<a href="#"><u>An Efficient Process for the Production of Cytovene, a Potent Antiviral Agent (summary)</u></a>	Boulder	CO
2000	No	Solvox Manufacturing Company	<a href="#"><u>Solvox Special 5501, an Anti-agglomerate and Stickies Neutralizer for the Paper Industry (abstract)</u></a>	Milwaukee	WI
2000	No	Tanko, James M.; Virginia Polytechnic Institute and State University	<a href="#"><u>Green Chemistry Through the Use of Supercritical Fluids and Free Radicals (abstract)</u></a>	Blacksburg	VA



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2000	No	TechMatch, Incorporated	<a href="#"><u>N-Methylmorpholine-N-Oxide (NMMO): A Novel, Non-toxic, Reusable Solvent for Cellulose as Source Reduction in the Production of Textile Fibers (abstract)</u></a>	Saint Paul	MN
2000	No	U.S. Army, U.S. Army Edgewood Research, Development, and Engineering Center	<a href="#"><u>Filter Leak Test Using Ozone-Benign Substances (abstract)</u></a>	Aberdeen Proving Ground	MD
2000	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#"><u>Clean Diesel Breakthrough: Simultaneous Decrease in Emissions of Both Particulates and Oxides of Nitrogen During Combustion (abstract)</u></a>	Argonne	IL
2000	No	U.S. Environmental Protection Agency, National Risk Management Research Laboratory	<a href="#"><u>Oxygenation of Hydrocarbons by Photocatalysis: A Green Alternative (abstract)</u></a>	Cincinnati	OH
2000	Yes	Wong, Chi-Huey; The Scripps Research Institute	<a href="#"><u>Enzymes in Large-Scale Organic Synthesis (summary)</u></a>	La Jolla	CA
2001	No	Anderson Chemical Company	<a href="#"><u>Total Impact Program - An Environmentally Preferable Program for Laundry (abstract)</u></a>	Litchfield	MN
2001	No	Aspen Systems, Inc.	<a href="#"><u>Genetic Enhancement of an Anti-Freeze Protein (abstract)</u></a>	Marlboro	MA
2001	Yes	Bayer Corporation; Bayer AG (Germany)	<a href="#"><u>Baypure™ CX (Sodium Iminodisuccinate): An Environmentally Friendly and Readily Biodegradable Chelating Agent (summary)</u></a>	Pittsburgh	PA
2001	No	Burlington Chemical Company, Inc.	<a href="#"><u>Development of a Practical Model and Process to Systematically Reduce the Environmental Impact of Chemicals Utilized by the Textile and Related Industries (abstract)</u></a>	Burlington	NC
2001	No	CDTech	<a href="#"><u>A New Process for Producing Dimethyl Carbonate (abstract)</u></a>	Pasadena	TX
2001	No	ChemNova Technologies, Inc.	<a href="#"><u>Chrome-free Single-step In-situ Phosphatizing Coatings: Anti-fingerprint Coatings on Galvanized Steel (abstract)</u></a>	DeKalb	IL
2001	No	Clearmate, Inc.	<a href="#"><u>ClearMate (abstract)</u></a>	Minneapolis	MN
2001	No	DeCopier Technologies, Inc.	<a href="#"><u>Advanced, Ecologically Safe De-inking Technology to Recover High Quality Pulp from Secondary Fibers/or Recyclable Waste (abstract)</u></a>	Lawrence	MA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2001	No	DuPont Crop Protection	<a href="#">Biocatalytic Production of 5-Cyanovaleramide (abstract)</a>	Wilmington	DE
2001	No	Dynacs Engineering Co., Inc.	<a href="#">Oxidizer Scrubber Project (abstract)</a>	Kennedy Space Center	FL
2001	No	E. I. DuPont de Nemours & Co., Inc.	<a href="#">New Generation Adiponitrile Technology (abstract)</a>	Wilmington	DE
2001	Yes	EDEN Bioscience Corporation	<a href="#">Messenger<sup>®</sup>: A Green Chemistry Revolution in Plant Production and Food Safety (summary)</a>	Bothell	WA
2001	No	Evergreen Nylon Recycling LLC	<a href="#">Innovative Green Chemistry for Sustainable Manufacture of Caprolactam (abstract)</a>	Augusta	GA
2001	No	Huntsman Polyurethanes	<a href="#">Equipment Flushing Agent for the Polyurethane Industry (abstract)</a>	West Deptford	NJ
2001	No	IBM Burlington (IBM Microelectronics Division)	<a href="#">Solvent Waste Reduction Via An Acetic Acid Bowl Cleaning Process (abstract)</a>	Essex Junction	VT
2001	Yes	Li, Chao-Jun; Tulane University	<a href="#">Quasi-Nature Catalysis: Developing Transition Metal Catalysis in Air and Water (summary)</a>	New Orleans	LA
2001	No	Mitzel, Thomas; Trinity College	<a href="#">Formation of Ene-Diyne Molecules Under Indium Mediated Aqueous Barbier-Condittions (abstract)</a>	Hartford	CT
2001	No	Motorola Corporation; ULVAC Technologies, Inc.	<a href="#">Eliminating Solvents from Silicon Wafer Manufacturing (abstract)</a>	Austin	TX
2001	No	Nextec Applications, Inc.	<a href="#">Solventless Process for Improving Fabric Performance Properties (abstract)</a>	Vista	CA
2001	No	Northrup-Grumman	<a href="#">Non-Destructive Testing of Corrosion Under Coatings (abstract)</a>	Bethpage	NY
2001	Yes	Novozymes North America, Inc.	<a href="#">BioPreparation<sup>™</sup> of Cotton Textiles: A Cost-Effective, Environmentally Compatible Preparation Process (summary)</a>	Franklinton	NC
2001	Yes	PPG Industries	<a href="#">Yttrium as a Lead Substitute in Cationic Electrodeposition Coatings (summary)</a>	Pittsburgh	PA
2001	No	PPG Industries, Inc.	<a href="#">Replacement of Asbestos in the Diaphragm Cell Process for Manufacture of Chlorine and Caustic Soda (abstract)</a>	Monroeville	PA

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2001	No	QuesTek Innovations, LLC	<a href="#"><u>Computational Design of Corrosion Resistant Steels for Structural Applications In Aircraft (abstract)</u></a>	Evanston	IL
2001	No	Rochester Midland Corporation	<a href="#"><u>Development of an Effective, Coordinated Family of Safe, Green Cleaning and Maintenance Products (abstract)</u></a>	Rochester	NY
2001	No	U.S. Air Force, Air Force Research Laboratory	<a href="#"><u>Sol-Gel Technology for Low-VOC, Non-Chromated Adhesive &amp; Sealant Applications (abstract)</u></a>	Wright Patterson AFB	OH
2001	No	U.S. Air Force, Air Force Research Laboratory	<a href="#"><u>Replacement Non-Toxic Sealants for Standard Chromated Sealants and Repair (abstract)</u></a>	Wright Patterson AFB	OH
2001	No	U.S. Army, TACOM-ARDEC - Picatinny Arsenal, NJ	<a href="#"><u>Primerless RTV Silicone Sealants/Adhesives (abstract)</u></a>	Picatinny Arsenal	NJ
2001	No	U.S. Army, U.S. Army Armament Research, Development, and Engineering Center	<a href="#"><u>Low VOC Chemical Agent Resistance Coatings (abstract)</u></a>	Picatinny Arsenal	NJ
2001	No	U.S. Army, U.S. Army Research Laboratory	<a href="#"><u>Non-Polluting Composites Remanufacturing and Repair for Military Applications (abstract)</u></a>	Aberdeen Proving Ground	MD
2001	No	U.S. Army, U.S. Army Research Laboratory - Aberdeen Proving Ground, MD	<a href="#"><u>Recycling Propellants in Non-Polluting Supercritical Fluids: Novel Computational Chemistry Models for Predicting Effective Solvents (abstract)</u></a>	Aberdeen Proving Ground	MD
2001	No	U.S. Department of Agriculture, National Center for Agricultural Utilization Research	<a href="#"><u>Environmentally Benign Synthesis of Monoglyceride Mixtures Coupled With Enrichment by Supercritical Fluid Fractionation (abstract)</u></a>	Peoria	IL
2001	No	U.S. Department of Agriculture, National Center for Agricultural Utilization Research	<a href="#"><u>Vegetable Oil Based Printing Inks and Their Environmental Advantages (abstract)</u></a>	Peoria	IN
2001	No	U.S. Environmental Protection Agency, National Risk Management Research Laboratory	<a href="#"><u>Paris II Solvent Design Software (abstract)</u></a>	Cincinnati	OH
2002	No	AEGEANS, Inc.	<a href="#"><u>Tasphox Water Treatment System (abstract)</u></a>	Harrisburg	PA
2002	No	Air Products and Chemicals, Inc.	<a href="#"><u>DEOXO-FLUOR™ Reagent (abstract)</u></a>	Allentown	PA

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2002	No	Applied CarboChemicals, Inc.	<a href="#">Bioderived Succinic Acid as a Platform for a Carbohydrate Chemistry (abstract)</a>	Alto	MI
2002	Yes	Beckman, Eric J.; University of Pittsburgh	<a href="#">Design of Non-Fluorous, Highly CO<sub>2</sub>-Soluble Materials (summary)</a>	Pittsburgh	PA
2002	No	Bristol-Myers Squibb Company	<a href="#">The Process Greenness Scorecard: Design for Environmental Health and Safety Through Green Chemistry (abstract)</a>	New York	NY
2002	Yes	Cargill Dow LLC	<a href="#">NatureWorks™ PLA Process (summary)</a>	Minnetonka	MN
2002	Yes	Chemical Specialties, Inc. (CSI)	<a href="#">ACQ Preserve®: The Environmentally Advanced Wood Preservative (summary)</a>	Charlotte	NC
2002	No	ChitinWorks America; Payne, Gregory F.; University of Maryland Biotechnology Institute	<a href="#">Industry-University-Government Partnership for Converting Regional Wastes into Chemical Products (abstract)</a>	College Park	MD
2002	No	Crisp, John N.; University of New Orleans Lakefront Campus	<a href="#">An Innovative Replacement for Chromium for Aluminum Coatings (abstract)</a>	New Orleans	LA
2002	No	Donohue, Marc; Johns Hopkins University	<a href="#">Supercritical Fluid Spray Application Process for Adhesives and Primers (abstract)</a>	Baltimore	MD
2002	No	Dordick, Jonathan S.; Rensselaer Polytechnic Institute	<a href="#">Development of Extraordinarily Active Biocatalysts for Highly Selective and Efficient Synthesis of Chemicals and Pharmaceuticals (abstract)</a>	Troy	NY
2002	No	DynynStyl Inc.	<a href="#">EcoFuel - A Safe and Effective Canned Heat Alternative (abstract)</a>	Lake Worth	FL
2002	No	EarthShell Corporation	<a href="#">EarthShell Packaging: Designed with the Environment in Mind (abstract)</a>	Lutherville	MD
2002	No	EPI Environmental Plastics Inc.	<a href="#">Totally Degradable Plastic Additives (TDPA™) (abstract)</a>	Conroe	TX
2002	No	Evans Cooling Systems, Inc.	<a href="#">The EVANS DE-TOX™ Process for the Detoxification of Ethylene Glycol (abstract)</a>	Sharon	CT
2002	No	ExxonMobil Chemical	<a href="#">Development of Two Unique Processes for Manufacturing High-Purity Cyclopentane from Dicyclopentadiene (abstract)</a>	Baytown	TX
2002	No	Farris, Richard J.; University of Massachusetts Amherst	<a href="#">Recycling of Cross-Linked Materials Via "High-Pressure High-Temperature Sintering": Redefining Thermosets (abstract)</a>	Amherst	MA

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2002	No	GE Plastics	<a href="#">Recovery and Beneficial Use of Sodium Nitrite from a Wastewater Stream (abstract)</a>	Mount Vernon	IN
2002	No	Henkel Surface Technologies	<a href="#">Water-Based Synthesis and Purification of Mannich Base Modified Polyphenols (abstract)</a>	Madison Heights	MI
2002	No	Hill, Craig L.; Emory University; Weinstock, Ira A.; U.S. Department of Agriculture Forest Service, Forest Products Laboratory	<a href="#">Effluent-Free and Selective Delignification Using Only Oxygen and Water (abstract)</a>	Atlanta	GA
2002	No	Hudlicky, Tomas; University of Florida	<a href="#">Tandem Enzymatic-Electrochemical Methods for Green Manufacturing: Efficient Synthesis of Pharmaceuticals from Halogenated Aromatic Waste (abstract)</a>	Gainesville	FL
2002	No	Hybrid Plastics	<a href="#">A Green Revolution with Nanostructured™ Chemicals (abstract)</a>	Fountain Valley	CA
2002	No	Itronics Metallurgical, Inc.	<a href="#">Fertilizer From Photowaste (abstract)</a>	Reno	NV
2002	No	Madison Chemical Company	<a href="#">Cadmium Replacement in Mechanical Coating (abstract)</a>	Madison	IN
2002	No	Mohan, Ram S.; Illinois Wesleyan University	<a href="#">Environmentally Friendly Organic Synthesis Using Bismuth Compounds (abstract)</a>	Bloomington	IL
2002	No	OMNOVA Solutions Inc.	<a href="#">Short Perfluoroalkyl Chain, Polymeric Fluorosurfactants as Wetting, Flow and Leveling Agents for Aqueous Coatings (abstract)</a>	Fairlawn	OH
2002	No	ONDEO Nalco Company	<a href="#">Nalco ACT – Advanced Condensate Treatment for Boiler Systems (abstract)</a>	Naperville	IL
2002	Yes	Pfizer, Inc.	<a href="#">Green Chemistry in the Redesign of the Sertraline Process (summary)</a>	New London	CT
2002	No	RADTECH International, North America	<a href="#">Eliminating Air Pollution (VOC and HAP) at the Source through the Use of Ultraviolet and Electron Beam Polymerization (abstract)</a>	Bethesda	MD
2002	Yes	SC Fluids, Inc.	<a href="#">SCORR – Supercritical CO<sub>2</sub> Resist Remover (summary)</a>	Nashua	NH
2002	No	SePRO Corporation	<a href="#">Integrated Methods for the Control of Aquatic Plants (IMCAP™): Innovative Chemical and Precision Technologies (abstract)</a>	Carmel	IN

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2002	No	Sunshine Makers, Inc.	<a href="#">Crystal Simple Green® (abstract)</a>	Huntington Harbour	CA
2002	No	Tempyrox Company, Inc.	<a href="#">World-wide Elimination or Reduction of Solvent and Chemical Cleaning of Laboratory Glassware Using Thermal Pyrolysis-oxidation Chemistry (abstract)</a>	Dallas	TX
2002	No	U.S. Army, U.S. Army Soldier and Biological Chemical Command	<a href="#">Electronic and Photonic Polymers from Biocatalysis (abstract)</a>	Natick	MA
2002	No	U.S. Department of Agriculture, National Center for Agricultural Utilization Research	<a href="#">Environmentally Benign Two-Step Synthesis of Fatty Alcohol Mixtures Using Supercritical Carbon Dioxide (SC-CO<sub>2</sub>) and SC-CO<sub>2</sub>/Hydrogen Mixtures (abstract)</a>	Peoria	IL
2002	No	U.S. Department of Agriculture, Southern Regional Research Center	<a href="#">Environmentally Benign Antibacterial Agents (abstract)</a>	New Orleans	LA
2002	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Autothermal Reforming Catalyst for Fuel Cells (abstract)</a>	Argonne	IL
2002	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Electrometallurgical Treatment of Nuclear Waste (abstract)</a>	Argonne	IL
2002	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Electrorefining of Spent Nuclear Fuel (abstract)</a>	Argonne	IL
2002	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Environmentally Benign Enzyme Reactor for Polymer Synthesis (abstract)</a>	Los Alamos	NM
2002	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">CSSX Process Demonstration (abstract)</a>	Richland	WA
2002	No	U.S. Navy, U.S. Naval Research Laboratory	<a href="#">Patterned Channel-Constrained Process for Additive Electroless Metal Deposition (abstract)</a>	Washington	DC
2002	No	U.S. Polychemical Corporation	<a href="#">Dispersit™: A Waterbased Oil Dispersant for Oil Spills in Salt and Fresh Water (abstract)</a>	Chestnut Ridge	NY
2002	No	Young, Ming-Wan; Xanthos, Marino; New Jersey Institute of Technology	<a href="#">Melt Processing for Solvent-Less Manufacture of High Performance Dry Powder Coatings (abstract)</a>	Newark	NJ

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2003	No	AC Products	<a href="#">Enviromask - A Zero VOC Method to Aircraft Metal Forming (abstract)</a>	Placentia	CA
2003	Yes	AgraQuest, Inc.	<a href="#">Serenade<sup>®</sup>: An Effective, Environmentally Friendly Biofungicide (summary)</a>	Davis	CA
2003	No	Allen, Christopher W.; University of Vermont; Peterson, Eric S.; Idaho National Engineering and Environmental Laboratory	<a href="#">Environmentally Benign Preparation and Polymerization of Phosphazene Polymers (abstract)</a>	Burlington	VT
2003	No	Allen, Dianne; University of Massachusetts Amherst	<a href="#">A Novel Additive System for Time-Controlled Degradation of Polypropylene (abstract)</a>	Jamaica Plain	MA
2003	No	Allen, Robert D.; IBM Almaden Research Center; Carbonell, Ruben; North Carolina State University; DeSimone, Joseph M.; University of North Carolina at Chapel Hill; Gleason, Karen K.; Massachusetts Institute of Technology; Ober, Christopher K.; Cornell University	<a href="#">Environmentally Benign Lithography for Semiconductor Manufacturing (abstract)</a>	Chapel Hill	NC
2003	No	Buckman Laboratories International, Inc.	<a href="#">Enzymes as an Alternative to Toxic Materials for Treatment of Slime Deposits in the Paper Industry (abstract)</a>	Memphis	TN
2003	No	Crivello, James V.; Rensselaer Polytechnic Institute	<a href="#">Synthesis and Photopolymerization of Monomers Derived from Biorenewable Sources (abstract)</a>	Troy	NY
2003	No	Crompton Corporation	<a href="#">ACRAMITE<sup>TM</sup> - A New Selective and Safe Miticide (abstract)</a>	Greenwich	CT
2003	No	Deft, Inc.	<a href="#">Zero VOC Protective Coatings for Aerospace Applications (abstract)</a>	Irvine	CA
2003	Yes	DuPont	<a href="#">Microbial Production of 1,3-Propanediol (summary)</a>	Wilmington	DE
2003	No	Epmar Corporation	<a href="#">Kemiko and Sta-Crete Low VOC Architectural Coating (abstract)</a>	Santa Fe Springs	CA
2003	No	Flexabar Corporation	<a href="#">Aquagard Waterbase Antifouling Bottom Boat Paint (abstract)</a>	Lakewood	NJ



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2003	Yes	Gross, Richard A.; Polytechnic University	<a href="#">New Options for Mild and Selective Polymerizations Using Lipases (summary)</a>	Brooklyn	NY
2003	No	H2OK Engineering	<a href="#">The Use of Vitamin C To Neutralize Oxidants Such as Chlorine in Drinking Water Which Is Often Discharged to the Environment (abstract)</a>	Mount Vernon	WA
2003	No	Hudlicky, Tomas; University of Florida	<a href="#">Direct Biocatalytic Synthesis of Functionalized Catechols: A Short Route to Combretastatin A-1 (abstract)</a>	Gainesville	FL
2003	No	Kaplan, David L.; Tufts University	<a href="#">Antioxidant-Functionalized Polymers (abstract)</a>	Medford	MA
2003	No	Kraus, George A.; Iowa State University	<a href="#">Photoacylation and Photoalkylation of Quinones (abstract)</a>	Ames	IA
2003	No	Micro Interconnect Technology	<a href="#">An Economically Advantaged, Green Process, for the Fabrication of Printed Circuit Boards (abstract)</a>	Bedford	NH
2003	No	Nicolaou, K.C.; University of California, San Diego	<a href="#">Tandem Reactions, Cascade Sequences and Biomimetic Strategies in Chemical Synthesis (abstract)</a>	La Jolla	CA
2003	No	ONDEO Nalco Company	<a href="#">STABREX<sup>®</sup> Microorganism Control Chemical: An Environmentally Sensible Chlorine Alternative for Industrial Water Treatment (abstract)</a>	Naperville	IL
2003	No	Periana, Roy Anthony; University of Southern California	<a href="#">Low Temperature, Hydrocarbon Hydroxylation: The Key to Greener, Lower Cost Chemistry for Chemicals, Fuel and Power for the 21st Century (abstract)</a>	Los Angeles	CA
2003	No	Plug Power Inc.	<a href="#">High CO Tolerant Polymer Electrolyte Membrane Fuel Cell Technology (abstract)</a>	Latham	NY
2003	No	RajanBabu, T. V.; Ohio State University	<a href="#">Asymmetric Catalysis in Water: Hydroxyphosphine and Hydroxyphosphinite Ligands for Amino Acid Synthesis (abstract)</a>	Columbus	OH
2003	Yes	Shaw Industries, Inc.	<a href="#">EcoWorx<sup>™</sup> Carpet Tile: A Cradle-to-Cradle Product (summary)</a>	Dalton	GA
2003	No	Shi, Yian; Colorado State University	<a href="#">An Environmentally Benign Asymmetric Epoxidation Me (abstract)</a>	Fort Collins	CO
2003	No	Smart Sonic Corporation	<a href="#">440-R SMT Detergent Hazardous Solvent Alternative for Printed Circuit Board Stencil Cleaning (abstract)</a>	Van Nuys	CA

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2003	Yes	Süd-Chemie Inc.	<a href="#">A Wastewater-Free Process for Synthesis of Solid Oxide Catalysts (summary)</a>	Louisville	KY
2003	No	Syngenta Crop Protection, Inc.	<a href="#">Conversion of the Herbicide, Metolachlor, to S-Metolachlor in the U.S. Marketplace (abstract)</a>	Greensboro	NC
2003	No	Treyco Supply, Inc.	<a href="#">Development of a Safer and More Effective Biodegradable Antimicrobial Cleaning Product (abstract)</a>	Wilson	NC
2003	No	U.S. Air Force, Air Force Research Laboratory, Wright Patterson Air Force Base	<a href="#">New, Environmentally Protective Aircraft De-Icing Technology (abstract)</a>	Dayton	OH
2003	No	Wachs, Israel E.; Lehigh University	<a href="#">Converting Pollution to Profits: Valuable Chemicals &amp; Energy (abstract)</a>	Bethlehem	PA
2003	No	Xerox Corporation	<a href="#">Xerographic Dry Ink Resin Manufacturing Hazard &amp; Emission Reduction (abstract)</a>	Webster	NY
2004	No	Advanced Marine Technologies (AMT) BioProducts Corporation	<a href="#">Reducing Nitrates in Buzzards Bay with the Production of Organic Gem® Fertilizer from New Bedford's Fish Processing Wastes (An SGNB Project) (abstract)</a>	South Dartmouth	MA
2004	No	BASF Corporation	<a href="#">All-Acrylic Binders for Low VOC Architectural Coatings (abstract)</a>	Charlotte	NC
2004	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">In-Situ Generation of H<sub>2</sub>O<sub>2</sub> in CO<sub>2</sub> for Green Oxidations (abstract)</a>	Pittsburgh	PA
2004	No	Bergman, Robert G.; University of California at Berkeley	<a href="#">Developing Highly Efficient C-H Activation of Hydrocarbons (abstract)</a>	Berkeley	CA
2004	No	Bose, Ajay K.; Stevens Institute of Technology	<a href="#">Cost Effective Green Chemistry Approaches to Pharmaceuticals: Microwave Techniques &amp; "Grindstone Chemistry" for Solventless Reactions and Less Pollution (abstract)</a>	Hoboken	NJ
2004	Yes	Bristol-Myers Squibb Company	<a href="#">Development of a Green Synthesis for Taxol® Manufacture via Plant Cell Fermentation and Extraction (summary)</a>	New York	NY
2004	Yes	Buckman Laboratories International, Inc.	<a href="#">Optimize®: A New Enzyme Technology to Improve Paper Recycling (summary)</a>	Memphis	TN
2004	No	C.H. Thompson Co. Inc.	<a href="#">Non Chromate Chemical Conversion Alternative Coating (abstract)</a>	Binghamton	NY

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2004	No	Cargill, Inc.	<a href="#">BioTrans® 1000 Soybean-Based Transformer Fluid (abstract)</a>	Wayzata	MN
2004	No	Dionysiou, Dionysios D.; University of Cincinnati	<a href="#">Water Immiscible Room Temperature Ionic Liquids as Green Solvents for Extraction and In-Situ Photolytic Destruction of Environmental Organic Contaminants (abstract)</a>	Cincinnati	OH
2004	No	Dow Chemical Company, The	<a href="#">n-Alkyl Propionate Ester Solvents (abstract)</a>	Midland	MI
2004	Yes	Eckert, Charles A.; Liotta, Charles L.; Georgia Institute of Technology	<a href="#">Benign Tunable Solvents Coupling Reaction and Separation Processes (summary)</a>	Atlanta	GA
2004	No	Emisphere Technologies, Inc.	<a href="#">Environmental Advantages Offered by Boric Acid Mediated Amidation Between a Carboxylic Acid and an Amine to Form a Carboxamide, a Basic Unit of Peptides and Proteins (abstract)</a>	Tarrytown	NY
2004	Yes	Engelhard Corporation	<a href="#">Engelhard Rightfit™ Organic Pigments: Environmental Impact, Performance, and Value (summary)</a>	Iselin	NJ
2004	No	Environmentally Sensitive Solutions, Inc.	<a href="#">Utilization of Neutral Cleaners for Reducing Environmental and Health Impacts (abstract)</a>	Mequon	WI
2004	No	Ethyl Petroleum Additives Inc.	<a href="#">Metal, Phenol and Ash-Free Antiwear Hydraulic Additive Providing Performance Previously Only Achieved by Use of Zinc Containing Additives (abstract)</a>	Richmond	VA
2004	No	Folia, Inc.	<a href="#">Reactin Series™ AS Copolymers: Specialty Reactive Aspartic Acid Copolymers (abstract)</a>	Birmingham	AL
2004	No	Goodyear Tire & Rubber Company, The	<a href="#">RPS Technology: Breakthrough Technology for Water-Based Paints, Coatings, Adhesives and Sealants (abstract)</a>	Akron	OH
2004	No	Janda, Kim D.; Lerner, Richard A.; The Scripps Research Institute	<a href="#">Antibody Catalysis (abstract)</a>	La Jolla	CA
2004	No	Janssen Pharmaceutica Inc.	<a href="#">ECONEA® 028: Designing and Developing a Metal-Free, Environmentally Safe, and Effective Antifoulant for Use Against Hard Fouling Marine Organisms (abstract)</a>	Titusville	NJ

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2004	Yes	Jeneil Biosurfactant Company	<a href="#">Rhamnolipid Biosurfactant: A Natural, Low-Toxicity Alternative to Synthetic Surfactants (summary)</a>	Saukville	WI
2004	No	Knockout Group, The	<a href="#">"Knockout": A Dynamic Cleaning Experience, In a Colloidal Format, With Pollution Prevention Qualities (abstract)</a>	Chicago	IL
2004	No	LCP Tech Holdings LLC	<a href="#">Development of Novel Liquid Crystal Polymers (abstract)</a>	Cincinnati	OH
2004	No	Li, Chao-Jun; Tulane University	<a href="#">Developing Direct Catalytic Addition of Alkynes to Aldehydes and Imines in Water and under Solventless Conditions (abstract)</a>	New Orleans	LA
2004	No	PanTerra Technologies, Incorporated	<a href="#">Reducing Domestic Petroleum Consumption by Twenty-five Percent (abstract)</a>	Goshen	CT
2004	No	Plug Power Inc.	<a href="#">Demonstration of a Home Energy Station for Production of Electricity, Heat, and Hydrogen (abstract)</a>	Latham	NY
2004	No	Plug Power Inc.	<a href="#">Zero-to-Landfill Fuel Cell Systems (abstract)</a>	Latham	NY
2004	No	PPG Architectural Finishes, Inc.	<a href="#">Pure Performance "Zero" VOC Latex Coating (abstract)</a>	Pittsburgh	PA
2004	No	ProChemTech International, Inc.	<a href="#">ElectroBrom Biocide System (abstract)</a>	Brockway	PA
2004	No	Ragauskas, A.J.; Georgia Institute of Technology	<a href="#">Mill Designed Biobleaching Technologies (abstract)</a>	Atlanta	GA
2004	No	RD Chemical Company	<a href="#">ChemBond™ EC An Alternate Printed Circuit Board Oxide Process (abstract)</a>	Mountain View	CA
2004	No	Sahinidis, Nikolaos V.; University of Illinois at Urbana	<a href="#">A Systematic Methodology for the Design and Identification of Environmentally Benign Chemicals (abstract)</a>	Urbana	IL
2004	No	Sheth, Atul C.; University of Tennessee Space Institute	<a href="#">From Waste-to-Energy: Catalytic Steam Gasification of Poultry Litter (abstract)</a>	Tullahoma	TN
2004	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Formamide Replacement in Genetic Sequencing (abstract)</a>	Los Alamos	NM
2004	No	Ulano Corporation	<a href="#">Waste Minimization and Pollution Prevention Programs for the Production of Films &amp; Chemicals in the Graphic Arts Industry (abstract)</a>	Brooklyn	NY

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2004	No	Uniseal Inc.	<a href="#">Elimination of Trichloroethylene, a Hazardous Air Pollutant (HAP), From A Production Process (abstract)</a>	Evansville	IN
2004	No	Zeller International	<a href="#">Aqua Form™, a water based, odorless, non-emissive, non-styrenated bonding/laminating resin for structural/advanced composites (abstract)</a>	Downsville	NY
2005	No	Afton Chemical Corporation	<a href="#">Metal-, Phenol-, and Ash-Free Antiwear Hydraulic Additive: Providing Performance Previously Only Achieved by Use of Zinc-Containing Additives (abstract)</a>	Richmond	VA
2005	No	Air Products Polymers, L.P.	<a href="#">Airflex® EF811 Vinyl Acetate Ethylene (VAE) Emulsion Polymer: A Binder for Environmentally Friendly, High-Performance, Cost-Effective Architectural Coatings (abstract)</a>	Allentown	PA
2005	Yes	Archer Daniels Midland Company	<a href="#">Archer RC™: A Nonvolatile, Reactive Coalescent for the Reduction of VOCs in Latex Paints (summary)</a>	Decatur	IL
2005	Yes	Archer Daniels Midland Company; Novozymes	<a href="#">NovaLipid™: Low Trans Fats and Oils Produced by Enzymatic Interesterification of Vegetable Oils Using Lipozyme® (summary)</a>	Decatur	IL
2005	No	Atmospheric Glow Technologies, Inc.	<a href="#">Sterilization of Medical Devices with Atmospheric Plasma (abstract)</a>	KNO <sub>x</sub> ville	TN
2005	Yes	BASF Corporation	<a href="#">A UV-Curable, One-Component, Low-VOC Refinish Primer: Driving Eco-Efficiency Improvements (summary)</a>	Whitehouse	OH
2005	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">N-Vinyl Formamide: The "Greening" of a Green Replacement for Acrylamide (abstract)</a>	Pittsburgh	PA
2005	No	Bose, Ajay K.; Stevens Institute of Technology	<a href="#">Unconventional High-Efficiency Green Synthesis (abstract)</a>	Hoboken	NJ
2005	No	Chemical Compliance Systems, Inc.	<a href="#">Green Product and Munitions Compliance Analytical Systems (abstract)</a>	Lake Hopatcong	NJ
2005	No	Cholli, Ashok L.; University of Massachusetts Lowell	<a href="#">Biocatalytically Synthesized High-Performance Novel Antioxidants for Materials (abstract)</a>	Lowell	MA
2005	No	Cleary Chemical Corporation	<a href="#">ROACH TERMINAL™ Insect Control: A Non-toxic Alternative that Prevents the Development of Pest Cockroach Populations (abstract)</a>	Dayton	NJ

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2005	No	Crane & Company, Inc.	<a href="#"><u>Substitution with Carbon Dioxide Eliminates Major Use of Sulfuric Acid (abstract)</u></a>	Dalton	MA
2005	No	DeSimone, Joseph M.; University of North Carolina at Chapel Hill	<a href="#"><u>Surfactant-Free Supercritical Carbon Dioxide Fluoroolefin Polymerization Technology (abstract)</u></a>	Chapel Hill	NC
2005	No	Dow BioProducts Ltd.	<a href="#"><u>WOODSTALK™ Strawboard (abstract)</u></a>	Midland	MI
2005	No	Dow Chemical Company, The	<a href="#"><u>VORANOL* VORACTIV* Polyols for Flexible Polyurethane Foams (abstract)</u></a>	Midland	MI
2005	No	Ecolab	<a href="#"><u>Formula 1™ Laundry System (abstract)</u></a>	Inver Grove Heights	MN
2005	No	Eli Lilly and Company	<a href="#"><u>An Improved Approach to the Preparation of Duloxetine and Atomoxetine (abstract)</u></a>	Lafayette	IN
2005	No	GlaxoSmithKline	<a href="#"><u>Discovery and Development of a Green Process for Radafaxine (abstract)</u></a>	Philadelphia	PA
2005	No	Harris Labs	<a href="#"><u>Evapo-Rust™: Nonhazardous Rust Removal by Selective Chelation (abstract)</u></a>	Springdale	AR
2005	No	Highland Supply Corporation	<a href="#"><u>Using Chemistry and Engineering Technology to Reduce Volatile Organic Compound (VOC) Emissions and Eliminate Hazardous Process Waste in the Printing Industry (abstract)</u></a>	Highland	IL
2005	No	International Chemical Products, Inc. (ICP)	<a href="#"><u>PICKLEX®: An Environmentally Safe Metal Surface Preparation and Pretreatment Chemical (abstract)</u></a>	Huntsville	AL
2005	No	Lonza, Inc.	<a href="#"><u>Equinox™: A Greener Approach to Microbiological Control (abstract)</u></a>	Fair Lawn	NJ
2005	No	MacRitchie, Finlay; Kansas State University	<a href="#"><u>The Application of Ultrasound to Catalyze Reactions in Some Industrial Processes (abstract)</u></a>	Manhattan	KS
2005	Yes	Merck & Co.	<a href="#"><u>A Redesigned, Efficient Synthesis of Aprepitant, the Active Ingredient in Emend®: A New Therapy for Chemotherapy-Induced Emesis (summary)</u></a>	Rahway	NJ
2005	Yes	Metabolix, Inc.	<a href="#"><u>Producing Nature's Plastics Using Biotechnology (summary)</u></a>	Cambridge	MA
2005	No	METSS Corporation	<a href="#"><u>Environmentally Friendly Aircraft Deicing Fluid (abstract)</u></a>	Westerville	OH

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2005	No	Microcide, Inc.	<a href="#">Technology of Safe, Biodegradable, and Non-Polluting Products as Alternatives to Toxic Microbicidal Chemicals (abstract)</a>	Troy	MI
2005	No	Novartis Pharmaceuticals Corporation	<a href="#">Development of Green and Practical Processes Utilizing Dialkyl Carbonates as Alkylating Reagents (abstract)</a>	East Hanover	NJ
2005	No	Pfizer Global Research and Development	<a href="#">A Green Process for the Synthesis of Quinapril Hydrochloride (abstract)</a>	New London	CT
2005	No	Pfizer Global Research and Development	<a href="#">Separation of Racemic Tetralone (abstract)</a>	New London	CT
2005	No	Pfizer Global Research and Development	<a href="#">The Discovery and Development of an Environmentally Benign Commercial Route to Sildenafil Citrate (abstract)</a>	New London	CT
2005	Yes	Rogers, Robin D.; University of Alabama	<a href="#">A Platform Strategy Using Ionic Liquids to Dissolve and Process Cellulose for Advanced New Materials (summary)</a>	Tuscaloosa	AL
2005	No	Rynex Holdings, Ltd.	<a href="#">RYNEX<sup>®</sup> Dry Cleaning Solution (abstract)</a>	Woodbury	NY
2005	No	Severtson, Steven J.; University of Minnesota	<a href="#">Research, Development, and Commercialization of Environmentally Benign Thermoplastic Pressure-Sensitive Adhesive Label Products (abstract)</a>	St. Paul	MN
2005	No	Stoller Enterprises, Inc.	<a href="#">Stoller STIMULATE: A Natural Product for Improving Crop Plant Performance and Enhancing Pest Resistance (abstract)</a>	Houston	TX
2005	No	U.S. Army, U.S. Army Engineer Research and Development Center	<a href="#">Environmentally Friendly Water Treatments for Control of Corrosion, Scale, and Bioactivity in Heating and Cooling Systems (abstract)</a>	Champaign	IL
2005	No	U.S. Army, U.S. Army Engineer Research and Development Center	<a href="#">Mold Prevention through the Novel Use of In Situ Electrochemistry to Eliminate Water Seepage in Concrete Structures (abstract)</a>	Champaign	IL
2005	No	Westech Aerosol Corporation	<a href="#">WT-HSC13: A High-Strength, Low-VOC Aerosol Adhesive (abstract)</a>	Port Orchard	WA
2006	No	ArchAngel Enterprises, LLC	<a href="#">Stalosan F Microbial and Environmental Control for Use in Housing of All Animals (abstract)</a>	Cedar Rapids	IA
2006	Yes	Arkon Consultants and NuPro Technologies, Inc.	<a href="#">Environmentally Safe Solvents and Reclamation in the Flexographic Printing Industry (summary)</a>	Winston Salem	NC



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2006	No	Broin and Associates	<a href="#">BFRAC™ and BPX™: Launching the Biorefining Revolution (abstract)</a>	Sioux Falls	SD
2006	No	Bunge North America; Novozymes North America, Inc.	<a href="#">Enzymatic Degumming of Vegetable Oils: Reducing Environmental Impact and Improving Oil Yield (abstract)</a>	Saint Louis	MO
2006	No	Coastwide Laboratories	<a href="#">Sustainable Earth® Cleaning Products Designed for Health and the Environment (abstract)</a>	Wilsonville	OR
2006	Yes	Codexis, Inc.	<a href="#">Directed Evolution of Three Biocatalysts to Produce the Key Chiral Building Block for Atorvastatin, the Active Ingredient in Lipitor® (summary)</a>	Redwood City	CA
2006	No	Diwekar, Urmila; University of Illinois at Chicago	<a href="#">Greener by Design: An Efficient, Multiobjective Framework Under Uncertainty (abstract)</a>	Chicago	IL
2006	No	Dow AgroSciences LLC	<a href="#">Aminopyralid: Increasing Protection of Endangered Species through Improved Management of Non-Native Plants While Maximizing Land Use and Significantly Reducing Herbicide Volume and Application (abstract)</a>	Indianapolis	IN
2006	No	Dow AgroSciences LLC; U.S. Department of Agriculture, Agricultural Research Service	<a href="#">GF-120™ NF Naturalyte™ Fruit Fly Bait (abstract)</a>	Indianapolis	IN
2006	No	DuPont Company	<a href="#">Bioderived Solvents, Surfactants, Fuel Additives, and Monomers (abstract)</a>	Wilmington	DE
2006	No	DuPont Company	<a href="#">New Asymmetric Hydroxylation Technology for the Commercial Manufacture of Indoxacarb (abstract)</a>	Wilmington	DE
2006	No	Duraflame, Inc.	<a href="#">Duraflame® All-Natural Manufactured Firelog (abstract)</a>	Stockton	CA
2006	No	FluidPhase Technologies Inc.	<a href="#">A Preproduction System for Re-Refining Used Oil Using Closed-Loop, Patented, Atomization Technology (abstract)</a>	Pittsburgh	PA
2006	No	Foster-Miller, Inc.	<a href="#">Environmentally Advantaged Formulations for Aircraft Ice Control (abstract)</a>	Waltham	MA
2006	No	Garcia-Garibay, Miguel A.; University of California, Los Angeles	<a href="#">Solvent-Free, Crystal-to-Crystal Photochemical Reactions: The Synthesis of Adjacent Stereogenic Quaternary Centers (abstract)</a>	Los Angeles	CA

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2006	No	GE Plastics	<a href="#"><u>Flexible NORYL* Resins for Wire Coating (abstract)</u></a>	Selkirk	NY
2006	No	Go-Tec, Inc.	<a href="#"><u>Acetylene: A Viable Fuel Alternative for the Internal Combustion Engine (abstract)</u></a>	Columbia	MO
2006	No	GreenEarth® Cleaning, LLC	<a href="#"><u>GreenEarth® Cleaning, Dry Cleaning with Silicone Solvent (abstract)</u></a>	Kansas City	MO
2006	No	Halliburton Energy Services	<a href="#"><u>ACCOLADE™ Synthetic-Based Drilling Fluid System (abstract)</u></a>	Houston	TX
2006	No	HALOX	<a href="#"><u>New Water-Based Organic Corrosion Inhibitor (abstract)</u></a>	Hammond	IN
2006	No	Innovative Formulation Company	<a href="#"><u>Ecological Paint Antimicrobial Clear Coat (abstract)</u></a>	Tucson	AZ
2006	No	Interface Fabrics	<a href="#"><u>Closing the Loop with "Benign by Design" Biobased Fabrics and Backings (abstract)</u></a>	Grand Rapids	MI
2006	No	iSoy Technologies Corporation	<a href="#"><u>Biocatalytic Production of Biobased Personal Care Products (abstract)</u></a>	Trout Valley	IL
2006	No	Johnson Polymer, LLC	<a href="#"><u>JONCRYL® FLX 5000: A High-Performance, Water-Based Polymer to Facilitate the Conversion from Solvent- to Water-Based Inks in Surface Film Flexible Packaging Printing (abstract)</u></a>	Sturtevant	WI
2006	No	JohnsonDiversey, Inc.	<a href="#"><u>A Novel Cleaning System Using Less Toxic, Safer Chemicals (abstract)</u></a>	Sturtevant	WI
2006	No	LANXESS Corporation	<a href="#"><u>Picaridin: A Safe, Effective, and Environmentally Friendly Insect Repellent that People Will Use (abstract)</u></a>	Pittsburgh	PA
2006	Yes	Merck & Co., Inc.	<a href="#"><u>Novel Green Synthesis for <math>\beta</math>-Amino Acids Produces the Active Ingredient in Januvia™ (summary)</u></a>	Rahway	NJ
2006	No	MLI Associates	<a href="#"><u>Environmentally Benign Deicing/Anti-Icing Agents (abstract)</u></a>	Shoreham	NY
2006	No	Montana Polysaccharides Corporation	<a href="#"><u>Multipurpose Exopolymer as a Raw Material (abstract)</u></a>	Rock Hill	SC
2006	No	Netravali, Anil N.; Cornell University	<a href="#"><u>Green Composites: Environment-Friendly and Fully Sustainable (abstract)</u></a>	Ithaca	NY
2006	No	Nike, Inc.	<a href="#"><u>Development of Nike Brand Footwear Outsole Rubber as Environmentally Preferred Material (abstract)</u></a>	Beaverton	OR
2006	No	Pfizer Global Research and Development	<a href="#"><u>Green Chemistry in the Redesign of the Celecoxib Process (abstract)</u></a>	New London	CT

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2006	No	PostSaver USA	<a href="#">PostSaver® (abstract)</a>	Memphis	TN
2006	No	Praxair, Inc.	<a href="#">Oxygen-Enhanced Combustion for NO<sub>x</sub> Control (abstract)</a>	Tonawanda	NY
2006	No	Recovery Systems Inc.	<a href="#">Innovative Process for Treatment of Hog Waste and Production of Saleable Products from This Waste (abstract)</a>	Wilmington	NC
2006	No	Rhodia Inc.	<a href="#">Guar-Based Chemistry Advances Targeted Performance of Crop Sprays by Reducing Drift and Improving Retention (abstract)</a>	Cranbury	NJ
2006	No	Rohm and Haas Company; Johns Manville	<a href="#">Invention and Commercialization of Environmentally Smart Thermosetting Binders (abstract)</a>	Philadelphia	PA
2006	No	Rust-Oleum Corporation	<a href="#">Zero-VOC, Zero-HAP, No-Odor Industrial Coatings (abstract)</a>	Vernon Hills	IL
2006	Yes	S.C. Johnson & Son, Inc.	<a href="#">Greenlist™ Process to Reformulate Consumer Products (summary)</a>	Racine	WI
2006	No	Separation Technologies LLC	<a href="#">Beneficiation and Use of Coal Combustion Fly Ash: A Major Success in Reducing Solid Waste and Increasing Supplies of Construction Materials While Reducing Greenhouse Gas Emissions (abstract)</a>	Needham	MA
2006	Yes	Suppes, Galen J.; University of Missouri-Columbia	<a href="#">Biobased Propylene Glycol and Monomers from Natural Glycerin (summary)</a>	Columbia	MO
2006	No	Syngenta	<a href="#">Mesotrione and Callisto® Plant Technology (abstract)</a>	Washington	DC
2006	No	Tester, Jefferson W.; Massachusetts Institute of Technology	<a href="#">Replacing Organic Solvents and Homogeneous Catalysts with Water and Carbon Dioxide (abstract)</a>	Cambridge	MA
2006	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">Self-Assembled Monolayers on Mesoporous Silica Technology: A Green Alternative Synthesis of a Novel Adsorbent for Mercury Source Reduction (abstract)</a>	Richland	WA
2006	No	Ventana Research Corporation	<a href="#">Development of High Performance, Environmentally Benign Hard Disk Drive Polishing Fluids and Corrosion Inhibitors (abstract)</a>	South Tucson	AZ
2006	No	W.F. Taylor Co., Inc.	<a href="#">Meta-Tec™ Low-VOC, One-Component, Cross-Linking Adhesive: Innovative Science—Applied Technology (abstract)</a>	Dalton	GA

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2006	No	Warner, John C.; University of Massachusetts Lowell	<a href="#">Bioinspired Thymine-Based Photopolymers: A Green Chemistry Platform for Innovation, Research, Education, and Outreach (abstract)</a>	Lowell	MA
2006	No	Xerox Corporation	<a href="#">Xerox's Emulsion Aggregation Toner Technology (abstract)</a>	Webster	NY
2006	No	ZIVATECH Corporation	<a href="#">High-Efficiency Olefin to Polyolefin Process with Toxic Solvent Elimination (abstract)</a>	North Hills	CA
2006	No	ZIVATECH Corporation	<a href="#">New Biomass Catalytic Reforming Process for Solid Oxide Fuel Cell Power Generation (abstract)</a>	North Hills	CA
2007	No	3M Office Supplies Division Laboratory	<a href="#">Development of Water-Based Materials for Post-it® Super Sticky Notes (abstract)</a>	St. Paul	MN
2007	No	Advanced BioCatalytics Corporation	<a href="#">Uncoupling Biochemical Processes for Enhanced Biological Efficiency (abstract)</a>	Irvine	CA
2007	No	Amerikal Products Corporation	<a href="#">Genesis® BRIGL Wash (abstract)</a>	Waukegan	IL
2007	No	Arch Treatment Technologies, Inc.	<a href="#">Wolman® AG Metal-Free Wood Preservative (abstract)</a>	Smyrna	GA
2007	No	Arkema Inc.	<a href="#">Green Chemistry in the Manufacture of Thioglycolic Acid (abstract)</a>	Philadelphia	PA
2007	No	Aspen Technology, Inc.	<a href="#">Correlating and Predicting Drug Molecule Solubility with a Nonrandom, Two-Liquid Segment Activity Coefficient Model (abstract)</a>	Cambridge	MA
2007	No	Barricade International, Inc.	<a href="#">Environmentally and Toxicologically Safe Firefighting Gel (abstract)</a>	Hobe Sound	FL
2007	No	BASF Corporation	<a href="#">A Non-HAP (Hazardous Air Pollutant) Coating for Extruded Aluminum (abstract)</a>	Southfield	MI
2007	No	Beaulieu Group, LLC	<a href="#">Nexterra™ Carpet: Modified PET Carpet Backing (abstract)</a>	Adairsville	GA
2007	No	Benchmark Performance Group, Inc.	<a href="#">GreensKeeper® Polymer Slurries for Oil and Gas Well Stimulation (abstract)</a>	Houston	TX
2007	No	Bristol-Myers Squibb Company	<a href="#">Irbesartan (Avapro®) Greenness Project (abstract)</a>	New York	NY
2007	No	Buckman Laboratories International, Inc.	<a href="#">Enzymes to Reduce Energy Use and Increase Recycling of Paper (abstract)</a>	Memphis	TN
2007	Yes	Cargill, Incorporated	<a href="#">BiOH™ Polyols (summary)</a>	Wayzata	MN

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2007	No	Century Industrial Coatings Inc.	<a href="#">Nulo™ Technology: HAP-Free, Low-VOC, Water-Based, Air-Dry Coatings (abstract)</a>	Jacksonville	TX
2007	No	Changing World Technologies, Inc.	<a href="#">Waste to Renewable Diesel (abstract)</a>	West Hempstead	NY
2007	No	Cholli, Ashok L.; University of Massachusetts Lowell	<a href="#">High Performance Macromolecular Antioxidants for Materials: A Green Chemistry Approach (abstract)</a>	Lowell	MA
2007	No	Crosslink	<a href="#">Corrosion-Resistance without Chromium: On-Demand Release of Environmentally Safe, Non-Chromium Corrosion Inhibitors from Electroactive Polymer Coatings (abstract)</a>	Fenton	MO
2007	No	Dasgupta, Purnendu K.; The University of Texas at Arlington	<a href="#">A Green Analyzer for Arsenic in Drinking Water (abstract)</a>	Arlington	TX
2007	No	Eastman Chemical Company	<a href="#">Optifilm Enhancer 400 – A Nonvolatile Coalescent for Formulating High-Performance, Reduced-VOC Architectural Coatings (abstract)</a>	Kingsport	TN
2007	No	Ecology Coatings	<a href="#">Green Chemistry for Industrial Coatings (abstract)</a>	Akron	OH
2007	No	ECOSIL Technologies LLC	<a href="#">New One-Step, Chromate-Free Anticorrosion Coatings for Aluminum Alloys and HDG Steel (abstract)</a>	Fairfield	OH
2007	No	Emerson & Cuming	<a href="#">Tin- and Copper-Compatible Conductive Adhesive for Lead-Free Electronic Circuit Assembly (abstract)</a>	Billerica	MA
2007	No	Environmentally Sensitive Solutions, Inc.	<a href="#">Liquid Seal and Nonhazardous Cleaner Eliminate Odor, Health, and Maintenance Problems Stifling the Acceptance and Implementation of Waterless Urinals (abstract)</a>	Mequon	WI
2007	No	Exelus, Inc.	<a href="#">ExSact – A "Green" Gasoline Technology (abstract)</a>	Livingston	NJ
2007	No	Exelus, Inc.	<a href="#">ExSyM – The Next Generation of Styrene Monomer Technology (abstract)</a>	Livingston	NJ
2007	No	Fungi Perfecti, LLC	<a href="#">Mycopesticides and Mycoattractants (abstract)</a>	Olympia	WA
2007	No	Georgia-Pacific Chemicals, LLC; Tao, Daniel, University of Kentucky	<a href="#">Georgia-Pacific Mining Reagents That Improve Recovery, Reduce Wastes, and Conserve Water and Other Natural Resources (abstract)</a>	Decatur	GA

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2007	No	Georgia-Pacific Corporation	<a href="#">Nitamin Steady Delivery Fertilizers for Improved Nitrogen Efficiency in Crops (abstract)</a>	Decatur	GA
2007	No	Green Blue (Green Blue Institute)	<a href="#">CleanGredients™: Systems-Based Information Technology for Green Chemistry (abstract)</a>	Charlottesville	VA
2007	Yes	Headwaters Technology Innovation	<a href="#">Direct Synthesis of Hydrogen Peroxide by Selective Nanocatalyst Technology (summary)</a>	Lawrenceville	NJ
2007	No	Hutchison, James E.; University of Oregon	<a href="#">Greener Production of Functionalized Nanoparticles (abstract)</a>	Eugene	OR
2007	No	IPAX Cleanogel, Inc.	<a href="#">The Use of Green Unikleen in Oil Spill Clean-Up, Both on Land and in Water (abstract)</a>	Detroit	MI
2007	Yes	Krische, Michael J.; University of Texas at Austin	<a href="#">Hydrogen-Mediated Carbon–Carbon Bond Formation (summary)</a>	Austin	TX
2007	No	LATA Group, The	<a href="#">New Green Technology for Eliminating Hydrogen Sulfide in Aqueous Systems, Especially Petroleum Industry Systems (abstract)</a>	Ochelata	OK
2007	Yes	Li, Kaichang; Oregon State University; Columbia Forest Products; Hercules Incorporated	<a href="#">Development and Commercial Application of Environmentally Friendly Adhesives for Wood Composites (summary)</a>	Corvallis	OR
2007	No	Maffia, Gennaro J.; Widener University	<a href="#">Application of Collagen Nanofibrils in Green Processing and Synthesis (abstract)</a>	Chester	PA
2007	No	McCullough, Richard D.; Carnegie Mellon University	<a href="#">Regioregular Polythiophenes as a Platform for Organic Photovoltaic Technology (abstract)</a>	Pittsburgh	PA
2007	No	Merck & Co., Inc.	<a href="#">A New, Highly Efficient, Environmentally Responsible Synthesis of Laropiprant (MK-0524) (abstract)</a>	Rahway	NJ
2007	No	Merck & Co., Inc.	<a href="#">Kilogram-Scale Purification of Pharmaceutical Candidates and Intermediates Using Preparative Supercritical Fluid Chromatography (abstract)</a>	Rahway	NJ
2007	No	Momentive Performance Materials Inc.	<a href="#">Commercialization of NXT Z®: An Ethanol-Free, Low-VOC, High-Performance Silane for Silica Tires (abstract)</a>	Tarrytown	NY

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2007	No	Momentive Performance Materials Inc.	<a href="#"><u>Novel Superspreading Siliconized Surfactants (abstract)</u></a>	Tarrytown	NY
2007	No	MYCELX Technologies Corp.	<a href="#"><u>Novel Device for Removing Mercury from Produced Water and Vapor Streams (abstract)</u></a>	Gainesville	GA
2007	No	Nalco Company	<a href="#"><u>A New Corrosion Inhibitor Reduces the Environmental Impact of Industrially Treated Water (abstract)</u></a>	Naperville	IL
2007	No	Nitrate Elimination Co., Inc., The	<a href="#"><u>Greener Chemistry for Nitrate Analysis: Enzymatic Reduction Method (abstract)</u></a>	Lake Linden	MI
2007	Yes	NovaSterilis, Inc.	<a href="#"><u>Environmentally Benign Medical Sterilization Using Supercritical Carbon Dioxide (summary)</u></a>	Lansing	NY
2007	No	Osmose, Inc.	<a href="#"><u>MicroPro™ Technology in Wood Preservation (abstract)</u></a>	Griffin	GA
2007	No	Pantheon Chemical	<a href="#"><u>PreKote® Surface Pretreatment: Replacing Hexavalent Chromium with an Environmentally Safe Solution (abstract)</u></a>	Phoenix	AZ
2007	No	Pirrung, Michael C.; University of California, Riverside	<a href="#"><u>Environmentally Friendly Isonitrile-Based Syntheses (abstract)</u></a>	Riverside	CA
2007	No	Procter & Gamble Company, The	<a href="#"><u>Tide Coldwater®: Energy Conservation through Residential Laundering Innovation and Commercialization (abstract)</u></a>	Cincinnati	OH
2007	No	Schultz, Tor P.; Nicholas, Darrel D.; Mississippi State University	<a href="#"><u>Enhancing the Efficacy of Totally Organic Wood Preservatives with Low-Cost, Benign Additives (abstract)</u></a>	Mississippi State	MS
2007	No	Severn Trent Services	<a href="#"><u>Iron Oxide for Arsenic Removal from Drinking Water (abstract)</u></a>	Fort Washington	PA
2007	No	Soloshonok, Vadim A.; Ueki, Hisanori; The University of Oklahoma	<a href="#"><u>Biomimetic Reductive Processes (abstract)</u></a>	Norman	OK
2007	No	Stoller Enterprises, Inc.	<a href="#"><u>Alternative to Methyl Bromide to Overcome Nematode Damage to Crops and Concomitantly Enhance Yield, Crop Quality, and Abiotic and Biotic Tolerance (abstract)</u></a>	Houston	TX
2007	No	Super Trap Inc.	<a href="#"><u>GEL-COR®: A New, Environmentally Compatible, Bullet-Trapping Medium for Small-Arms Firing Ranges (abstract)</u></a>	Corona	CA



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2007	No	U.S. Army, U.S. Army Edgewood Chemical Biological Center	<a href="#">Enzyme-Based Technology for Decontaminating Toxic Organophosphorus Compounds (abstract)</a>	Aberdeen Proving Ground	MD
2007	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Solventless Process for Making Tackifiers and Adhesives (abstract)</a>	Washington	DC
2007	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Green Primaries: Environmentally Friendly, Sensitive Explosives (abstract)</a>	Los Alamos	NM
2007	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Ultrapure Carbon and Carbon-Nitride Nanomaterials Derived from Simple Pyrolyses of Nearly Chock-Full Nitrogen Compounds (abstract)</a>	Los Alamos	NM
2007	No	van Ooij, Wim J.; University of Cincinnati	<a href="#">Novel, One-Step, Chromate-Free Coatings Containing Anticorrosion Pigments to Replace Chromate Pretreatment and Pigments (abstract)</a>	Cincinnati	OH
2007	No	Velocys Inc.	<a href="#">Olefins by High-Intensity Oxidation (abstract)</a>	Plain City	OH
2007	No	Zhang, Xumu; The Pennsylvania State University	<a href="#">Practical Asymmetric Catalytic Hydrogenation (abstract)</a>	University Park	PA
2007	No	Zhao, Huimin; van der Donk, Wilfred A.; Metcalf, William W.; University of Illinois	<a href="#">A Novel Phosphite Dehydrogenase Based NAD(P)H Regeneration Technology for Industrial Biocatalysis (abstract)</a>	Urbana	IL
2008	No	Adventus Group, The	<a href="#">EHC™ for a Greener Groundwater Treatment Technology (abstract)</a>	Freeport	IL
2008	No	Arkema Inc.	<a href="#">Replacement of Perfluorinated Alkyl Surfactants with Nonfluorinated Surfactants in Polymer Manufacturing (abstract)</a>	King of Prussia	PA
2008	No	Ashland Inc.	<a href="#">GEOSSET NEO®: Low Emission Technology for the Metal Casting Industry (abstract)</a>	Dublin	OH
2008	No	Ashland Inc.	<a href="#">Reducing the Environmental, Health and Safety Impact of Cooling Water Treatment Programs (abstract)</a>	Boonton	NJ
2008	No	Ashland Inc.	<a href="#">Solventless, Low-Toxicity, Thermosetting Oligomers that Require Only Low Energy to Cure (abstract)</a>	Dublin	OH
2008	No	ATK Lake City Ammunition Division	<a href="#">P4rimer™: A Non-Toxic, Heavy-Metal-Free Primer Fueled by Red</a>	Independence	MO

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			<a href="#"><u>Phosphorus for Small Arms Cartridges (abstract)</u></a>		
2008	No	Augustine, Robert L.; Seton Hall University; NutraSweet Corporation, The	<a href="#"><u>Bromine Free, TEMPO Based Catalyst System for the Oxidation of Alcohols (abstract)</u></a>	South Orange	NJ
2008	Yes	Battelle	<a href="#"><u>Development and Commercialization of Biobased Toners (summary)</u></a>	Columbus	OH
2008	No	ChK group, Inc.	<a href="#"><u>Nanophase Mn(VII) Oxide: Synthesis using Green Technology and Applications (abstract)</u></a>	Plano	TX
2008	No	Codexis, Inc.	<a href="#"><u>Greening Montelukast Manufacture: Replacing a Stoichiometric Chiral Boron Reagent with a Green-by-Design, Economical Biocatalytic Reduction Enabled by Directed Evolution (abstract)</u></a>	Redwood City	CA
2008	No	Cutting Edge Formulations, Inc.	<a href="#"><u>Nature's Avenger<sup>®</sup> Organic Herbicide: A Fast-Acting, Highly Effective, Organic Alternative to Synthetic and Natural Herbicides (abstract)</u></a>	Buford	GA
2008	No	Cytec Industries Inc.	<a href="#"><u>Cytec Innovation Management System: Sustainable Development of New Products (abstract)</u></a>	West Paterson	NJ
2008	No	Cytec Industries Inc.	<a href="#"><u>Revolutionizing Energy-Curing Resins for Food Packaging Applications (abstract)</u></a>	West Paterson	NJ
2008	Yes	Dow AgroSciences	<a href="#"><u>Spinetoram: Enhancing a Natural Product for Insect Control (summary)</u></a>	Indianapolis	IN
2008	No	Dow Chemical Company	<a href="#"><u>Novel Process for Producing Polyols Based on Natural Oils (abstract)</u></a>	Midland	MI
2008	No	Dow Corning Corporation	<a href="#"><u>Water and Energy Conservation in Denim Finishing (abstract)</u></a>	Midland	MI
2008	No	DuraBan International, Inc.	<a href="#"><u>Environmentally Friendly Antimicrobial Surface Treatment (abstract)</u></a>	Buffalo	MN
2008	No	Eastman Chemical Company	<a href="#"><u>IntegRex Technology (abstract)</u></a>	Kingsport	TN
2008	No	Eli Lilly and Company	<a href="#"><u>A Practical and Green Chemical Strategy for the Manufacture of Neurokinin 1 Antagonist, LY686017 (abstract)</u></a>	Indianapolis	IN
2008	No	EverNu Technology, LLC	<a href="#"><u>Enabling Technology for Methacrylic Acid Production using Isobutane as the Feedstock (abstract)</u></a>	Maple Glen	PA

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2008	No	EverTech LLC	<a href="#">Everdex-Enhanced Alowood (abstract)</a>	Ferndale	WA
2008	No	G3 Technology Innovations, LLC	<a href="#">Surface Functionalized Nanomaterials: Significantly Reducing Fluorochemicals in Consumer Items (abstract)</a>	Pittsford	NY
2008	No	GlaxoSmithKline	<a href="#">GlaxoSmithKline's Eco-Design Toolkit™ (abstract)</a>	Philadelphia	PA
2008	No	Hach Company	<a href="#">Arsenic-Free SPADNS Chemistry for Fluoride Analysis in Water (abstract)</a>	Loveland	CO
2008	No	Huntsman Corporation	<a href="#">G2 Catalyst for New and Improved SURFONIC® Non-Ionic Surfactants (abstract)</a>	The Woodlands	TX
2008	No	Inland Environmental Resources, Inc.	<a href="#">Environmentally Friendly Antacid Formulations for Wastewater Treatment (abstract)</a>	Pasco	WA
2008	No	International Polyol Chemicals, Inc. (IPCI)	<a href="#">Production of Diverse Industrial Glycols from Renewable Six and Five- Carbon Sugars and Glycerin, the Byproduct of Biodiesel Manufacture (abstract)</a>	Ephrata	WA
2008	No	Jiang, Shaoyi; University of Washington	<a href="#">Development of Environmentally Benign Nonfouling Materials and Coatings for Marine Applications (abstract)</a>	Seattle	WA
2008	No	Johnson & Johnson	<a href="#">Application of Green Chemistry Principles in the Scale-Up of the Darunavir Process (abstract)</a>	New Brunswick	NJ
2008	No	Leadbeater, Nicholas E.; University of Connecticut	<a href="#">Microwave Heating as an Enabling Tool for Greener Synthesis (abstract)</a>	Storrs	CT
2008	No	Lubrizol Corporation, The	<a href="#">Novel Green Chemistries Extend the Useful Life of Automobile Catalytic Converters and Reduce Exhaust Gaseous Emissions (abstract)</a>	Wickliffe	OH
2008	Yes	Maleczka, Robert E., Jr.; Milton R. Smith, III; Michigan State University	<a href="#">Green Chemistry for Preparing Boronic Esters (summary)</a>	East Lansing	MI
2008	No	MIOX Corporation	<a href="#">On-Site Generation of Mixed Oxidants as a Safe, Green Alternative to Chlorine Gas and Concentrated Bulk Bleach (abstract)</a>	Albuquerque	NM
2008	Yes	Nalco Company	<a href="#">3D TRASAR® Technology (summary)</a>	Naperville	IL
2008	No	NCH Corporation	<a href="#">System for Bioremediation of Effluents (abstract)</a>	Irving	TX

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2008	No	Organic Recovery, LLC.	<a href="#">Biochemical Hydrolyzation of Organics in Food Wastes into a Liquid Fertilizer and Soil Amendment (abstract)</a>	Pompano Beach	FL
2008	No	Peng, Xiaogang; University of Arkansas; Nanomaterials and Nanofabrication Laboratories, LLC (NN-Labs)	<a href="#">Doped Semiconductor Nanocrystals as Heavy-Metal-Free Quantum Dots (abstract)</a>	Fayetteville	AR
2008	No	Pfizer, Inc.	<a href="#">Convergent Green Synthesis of Linezolid (Zyvox™), an Oxazolidinone Antibacterial Agent (abstract)</a>	Kalamazoo	MI
2008	No	Pyrotechnique by Grucci, Inc.	<a href="#">Perchlorate-Free Pyrotechnic Composition for Military Training Munitions (abstract)</a>	Brookhaven	NY
2008	No	Ragauskas, Arthur J.; Georgia Institute of Technology	<a href="#">Developing Lignocellulosic Biorefineries (abstract)</a>	Atlanta	GA
2008	No	Rhein Chemie Corporation	<a href="#">Additives for Optimizing Renewable Resources in the Production of Polyurethane Systems and Plastics (abstract)</a>	Chardon	OH
2008	No	Roche Carolina Inc.	<a href="#">Scalable Non-Aqueous Process to Prepare Water-Soluble Aminodiol (abstract)</a>	Florence	SC
2008	No	Sepracor, Inc.	<a href="#">Adventures in Green Chemistry (abstract)</a>	Marlborough	MA
2008	Yes	SiGNa Chemistry, Inc.	<a href="#">New Stabilized Alkali Metals for Safer, Sustainable Syntheses (summary)</a>	New York	NY
2008	No	Specialty Fertilizer Products	<a href="#">Biodegradable, Water-Soluble Anionic Polymers, Prepared in an Environmentally Benign Process, Enhance the Efficiency of Phosphorus Use by Plants (abstract)</a>	Belton	MO
2008	No	Tennant Company	<a href="#">ech2o™ - Electrically Charged Water (abstract)</a>	Minneapolis	MN
2008	No	Thames, S. F.; Rawlins, J. W.; The University of Southern Mississippi	<a href="#">Vegetable Oil Based Macromonomers in Emulsion Polymers for High-Performance, Zero-VOC Architectural Coatings (abstract)</a>	Hattiesburg	MS
2008	No	Thermo Fisher Scientific	<a href="#">Green pH Electrodes (abstract)</a>	Beverly	MA
2008	No	Torch Technologies LLC	<a href="#">Manufactured Firelogs Based on Whole Timber (abstract)</a>	Ferndale	WA

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2008	No	TyraTech, Inc.	<a href="#">Greening Insecticides and Parasitocides (abstract)</a>	San Francisco	CA
2008	No	Wildeman, Thomas; Colorado School of Mines	<a href="#">Passive Treatment of Metal-Contaminated Water (abstract)</a>	Golden	CO
2009	No	3M™	<a href="#">Reformulation of 3M™ Neutral Cleaner and 3M™ General Purpose Cleaner for the 3M™ Twist 'n Fill™ Chemical Management System Reduces Air Pollution and Employee Health Hazards (abstract)</a>	St. Paul	MN
2009	No	American Ordnance LLC	<a href="#">Inert Filler TB-1 (abstract)</a>	Middletown	IA
2009	No	Ashland Hercules Water Technologies	<a href="#">Pulp Mill Defoamers Based on Vegetable Oil (abstract)</a>	Wilmington	DE
2009	No	Ashland Inc.	<a href="#">Water-Based Refractory Coatings with Wet/Dry Color Change Indication (abstract)</a>	Dublin	OH
2009	No	Bayer MaterialScience LLC	<a href="#">AURA® Infusion Technology: A Green Method to Incorporate Color and Performance Additives (abstract)</a>	Pittsburgh	PA
2009	Yes	CEM Corporation	<a href="#">Innovative Analyzer Tags Proteins for Fast, Accurate Results without Hazardous Chemicals or High Temperatures (summary and podcast)</a>	Matthews	NC
2009	No	Clorox Company, The	<a href="#">GreenWorks™ Natural Cleaners from the Makers of Clorox: Home Cleaning Products (abstract)</a>	Pleasanton	CA
2009	No	Codexis, Inc.	<a href="#">Greening Atorvastatin Manufacture: Replacing a Wasteful, Cryogenic Borohydride Reduction with a Green-by-Design, More Economical Biocatalytic Reduction for a Higher Quality Product (abstract)</a>	Redwood City	CA
2009	No	Davis, James Hillard Jr.; University of South Alabama	<a href="#">Liquid but Nonvolatile Sulfonic Acids and Amines: Greener Chemicals for Greening Processes (abstract)</a>	Mobile	AL
2009	No	Doty Energy	<a href="#">Recycling Carbon Dioxide into Carbon-Neutral Liquid Fuels (abstract)</a>	Columbia	SC
2009	No	Dow Chemical Company, The	<a href="#">Glycerin to Epichlorohydrin Process: How Green is my Epichlorohydrin? (abstract)</a>	Freeport	TX
2009	Yes	Eastman Chemical Company	<a href="#">A Solvent-Free Biocatalytic Process for Cosmetic and Personal Care Ingredients (summary and podcast)</a>	Kingsport	TN

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2009	No	Ecolab Inc.	<a href="#">Wash 'n Walk™ Floor Care System (abstract)</a>	Inver Grove Heights	MN
2009	No	Eli Lilly and Company	<a href="#">New Manufacturing Route for Arzoxifene Hydrochloride (abstract)</a>	Indianapolis	IN
2009	No	FlyAshDirect Ltd.; Cognis Corporation	<a href="#">Carbon Blocker™ Fly Ash Conditioning Treatment (abstract)</a>	Cincinnati	OH
2009	No	French Creek Software, Inc	<a href="#">Chemical Treatment Modeling and Optimization Software: The French Creek Software Calculation Engine (abstract)</a>	Kimberton	PA
2009	No	Gill, Raminderjit (Sonam); Alvarez, Jessica; University of California, Santa Barbara	<a href="#">The University of California, Santa Barbara Green Chemistry Initiative (abstract)</a>	Santa Barbara	CA
2009	No	GVD Corporation	<a href="#">Novel Solvent-Free Fluoropolymer Coating Process (abstract)</a>	Cambridge	MA
2009	No	Gyberg, Arlin E., Augsburg College; SarTec Corporation	<a href="#">The Mcgyan Process: A Green Synthetic Route for Biodiesel Production (abstract)</a>	Anoka	MN
2009	No	Henkel Corporation	<a href="#">Aquence® Autodeposition Coating: The Smart Coating Solution (abstract)</a>	Madison Heights	MI
2009	No	Henkel Corporation	<a href="#">Bonderite® TecTalis: Next-Generation Coating (abstract)</a>	Madison Heights	MI
2009	No	Huntsman Advanced Materials Corporation	<a href="#">Manufacturing More Efficient Fuel Cells to Reduce Carbon Dioxide Emissions (abstract)</a>	The Woodlands	TX
2009	No	Ingenuity IEQ, Inc.	<a href="#">Green Chemistry for Energy Conservation and Indoor Environmental Quality (abstract)</a>	Midland	MI
2009	Yes	Matyjaszewski, Krzysztof; Carnegie Mellon University	<a href="#">Atom Transfer Radical Polymerization: Low-impact Polymerization Using a Copper Catalyst and Environmentally Friendly Reducing Agents (summary and podcast)</a>	Pittsburgh	PA
2009	No	Merck & Co., Inc.	<a href="#">Green Chemistry in Action: A Remarkably Efficient and Sustainable Synthesis of the HIV Integrase Inhibitor, Raltegravir™ (abstract)</a>	Rahway	NJ
2009	No	Method Products	<a href="#">Method Smarty Dish for Fish: An Environmentally Responsible and Effective Cleaning Solution: No Phosphates, Acrylates, or Ethylenediaminetetraacetic Acid (abstract)</a>	San Francisco	CA

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2009	No	Milliken & Company	<a href="#"><u>TractionBack®: Alternative Green Adhesives Solutions for Textile Composites Used in Commercial Buildings (abstract)</u></a>	Spartanburg	SC
2009	No	Narayan, Ramani; Michigan State University; KTM Industries, Inc.	<a href="#"><u>Biodegradable, Chemically Modified Starch Polymers for Protective Foam Packaging and Insulation Applications (abstract)</u></a>	East Lansing	MI
2009	No	Ozone International LLC	<a href="#"><u>Cleaning and Disinfecting with Ozone: Making Green Chemistry with WhiteWater™ Ozone (abstract)</u></a>	Bainbridge Island	WA
2009	No	Plasmatrete North America Inc.; Ford Motor Company	<a href="#"><u>Openair™ Plasma Surface Treatment: Reducing Emissions of Volatile Organic Compounds and Improving Environmentally Sensitive Paint Processes (abstract)</u></a>	Dearborn	MI
2009	No	PPG Industries, Inc.	<a href="#"><u>Green Logic™: Chitosan-Enhanced Paint Detackifier (abstract)</u></a>	Troy	MI
2009	No	PPG Industries, Inc.	<a href="#"><u>Zircobond™ Pretreatment (abstract)</u></a>	Troy	MI
2009	Yes	Procter & Gamble Company, the; Cook Composites and Polymers Company	<a href="#"><u>Chempol® MPS Resins and Sefose® Sucrose Esters Enable High-Performance Low-VOC Alkyd Paints and Coatings (summary and podcast)</u></a>	Cincinnati	OH
2009	No	SABIC Innovative Plastics	<a href="#"><u>Chemical Conversion of Post-Consumer Recycled Polyethylene Terephthalate Waste into Sustainable Valox iQ™ and Xenoy iQ™ Engineering Thermoplastic Products (abstract)</u></a>	Mount Vernon	IN
2009	No	Schweitzer, Linda; Oakland University; Reed, Robert; University of Missouri; Earth Science Laboratories, Inc.	<a href="#"><u>EarthTec®: Green Water Treatment (abstract)</u></a>	Rochester	MI
2009	No	Sherwin-Williams Company, The	<a href="#"><u>High-Solids Hybrid Sucrose Ester Polymer Technology (abstract)</u></a>	Cleveland	OH
2009	No	STERIS Corporation; Virox Technologies	<a href="#"><u>An Alternative to Aldehyde-Based Liquid Chemical Sterilants and High-Level Disinfectants for Reprocessing Heat-Sensitive, Semi-Critical Medical Instruments (abstract)</u></a>	Mentor	OH
2009	No	TDA Research, Inc.; Cytec Industries Inc.	<a href="#"><u>Replacement for Solvent-Based, Chromate-Containing Primer (abstract)</u></a>	Golden	CO



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2009	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Diesel DeNO<sub>x</sub> Catalyst (abstract)</a>	Argonne	IL
2009	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Resin Wafer Technology (abstract)</a>	Argonne	IL
2009	No	VeruTEK Technologies, Inc.	<a href="#">Green Synthesis of Nanometal Catalysts and Plant Surfactant-Based, In Situ Chemical Oxidation for Sustainable Treatment and Remediation (abstract)</a>	Bloomfield	CT
2009	Yes	Virent Energy Systems, Inc.	<a href="#">BioForming<sup>®</sup> Process: Catalytic Conversion of Plant Sugars into Liquid Hydrocarbon Fuels (summary and podcast)</a>	Madison	WI
2009	No	Water Conservation Technology International, Inc.	<a href="#">Sustainable, Natural Green Chemistry for Cooling Water Treatment (abstract)</a>	Temecula	CA
2009	No	Wender, Paul A.; Stanford University	<a href="#">Green Chemistry through Function-Oriented Synthesis, Step Economy, and Ideal Synthesis (abstract)</a>	Stanford	CA
2009	No	ZeaChem Inc.	<a href="#">Cellulose-Based Fuels and Intermediate Chemicals (abstract)</a>	Lakewood	CO
2009	No	Zep Inc.	<a href="#">Renewable-Resource Industrial Products (abstract)</a>	Atlanta	GA
2010	No	A.S. Trust & Holdings, Inc.	<a href="#">HCR-188C1: A.S. Trust &amp; Holdings, Inc.'s All-New, High-Efficiency Hydrocarbon Refrigerant With No Impact on Global Warming or the Ozone Layer (abstract)</a>	Kaneohe	HI
2010	No	Advanced Technology Materials, Inc.	<a href="#">RegenSi<sup>™</sup>: A Wafer Reclaim Solution with a Low Carbon Footprint that Extends the Life Cycle of Silicon Test Wafers (abstract)</a>	Danbury	CT
2010	No	AkzoNobel Functional Chemicals, LLC	<a href="#">Bipolar Membrane Electrodialysis for Greener Processing of Chelates (abstract)</a>	Chicago	IL
2010	No	APTech Group, Inc.	<a href="#">Safer, Sustainable, Biodegradable, Solid-State Chemistry for Treating Cooling Water Systems (abstract)</a>	Cincinnati	OH
2010	No	Baker Hughes Incorporated	<a href="#">Highly Water-Dispersed Oilfield Corrosion Inhibitors Eliminate over One Million Pounds of Nonrenewable Solvents Annually (abstract)</a>	Sugar Land	TX

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2010	No	Bayer MaterialScience, LLC	<a href="#">IMPACT Technology: A Greener Polyether Polyol Process (abstract)</a>	South Charleston	WV
2010	No	BCR Environmental LLC; SABIC Innovative Plastics	<a href="#">Recovering and Using a Formerly Incinerated Sodium Nitrite Waste Stream to Disinfect and Stabilize Municipal Biosolids (abstract)</a>	Jacksonville	FL
2010	No	Bend Research Inc.	<a href="#">Spray-Dried Dispersions Based on Hydroxypropyl Methylcellulose Acetate Succinate for Delivery of Low-Solubility Drugs (abstract)</a>	Bend	OR
2010	No	Berry Plastics; Flame Chk Inc.; Chemische Fabrik Budenheim KG	<a href="#">Nonhalogenated Flame Retardant for Use in High-Performance Adhesives and Coatings (abstract)</a>	Bristol	RI
2010	No	BioFuelBox, Inc.	<a href="#">Supercritical–Solid Catalyst Reaction Process for Converting Waste Fats, Oils, and Greases into Premium Biodiesel (abstract)</a>	San Jose	CA
2010	No	Cargill, Incorporated	<a href="#">The Development and Commercialization of a Low-pH, Lactic Acid Process for Renewable Plastics (abstract)</a>	Minnetonka	MN
2010	No	Chemguard Ltd.	<a href="#">Elimination of Perfluorinated Alkyl Surfactants from Fire-Fighting Foams (abstract)</a>	Mansfield	TX
2010	Yes	Clarke	<a href="#">Natular™ Larvicide: Adapting Spinosad for Next-Generation Mosquito Control (summary and podcast)</a>	Roselle	IL
2010	No	Codexis, Inc.	<a href="#">Rapid Enablement of Green Processes for Chiral Alcohols by the Codex™ Panel of Robust, Divergent Evolvants of One Ancestral Ketoreductase (abstract)</a>	Redwood City	CA
2010	No	Cortec Corporation	<a href="#">Corrosion Control with a Greener Pathway (abstract)</a>	St. Paul	MN
2010	No	Cytec Industries Inc.	<a href="#">UV-Curable Pressure Sensitive Adhesive (abstract)</a>	Woodland Park	NJ
2010	No	Dionex Corporation	<a href="#">Accelerated Solvent Extraction with Solvent Saver Mode™: Reducing Organic Solvent Consumption and Waste in Laboratories (abstract)</a>	Sunnyvale	CA
2010	No	Dow Chemical Company, The	<a href="#">An Innovative Approach to Texturizers without Hydrofluoric Acid or Nitric Acid for Multicrystalline Silicon Photovoltaics (abstract)</a>	Marlborough	MA

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2010	No	Dow Chemical Company, The	<a href="#">Energy Savings from a New Manufacturing Route for Vinyl Methyl Ether (abstract)</a>	Midland	MI
2010	Yes	Dow Chemical Company, The; BASF	<a href="#">Innovative, Environmentally Benign Production of Propylene Oxide via Hydrogen Peroxide (summary and podcast)</a>	Midland	MI
2010	No	E. I. du Pont de Nemours and Company	<a href="#">Cerenol<sup>®</sup> Polyol Technology Platform for a Sustainable Bio-Based Economy (abstract)</a>	Wilmington	DE
2010	No	Henkel Technologies	<a href="#">A Safer, Environmentally Superior, High-Performance Acid Inhibitor Designed to Protect Metallic Infrastructure during Industrial Cleaning (abstract)</a>	Madison Heights	MI
2010	Yes	Liao, James C.; Easel Biotechnologies, LLC; University of California, Los Angeles	<a href="#">Recycling Carbon Dioxide to Biosynthesize Higher Alcohols (summary and podcast)</a>	Los Angeles	CA
2010	Yes	LS9, Inc.	<a href="#">Microbial Production of Renewable Petroleum<sup>™</sup> Fuels and Chemicals (summary and podcast)</a>	South San Francisco	CA
2010	No	MacGillivray, Leonard R.; University of Iowa; University of Iowa Research Foundation	<a href="#">Template-Controlled Reactivity in the Organic Solid State (abstract)</a>	Iowa City	IA
2010	Yes	Merck & Co., Inc.; Codexis, Inc.	<a href="#">Greener Manufacturing of Sitagliptin Enabled by an Evolved Transaminase (summary and podcast)</a>	Rahway	NJ
2010	No	Pennakem LLC	<a href="#">2-Methyltetrahydrofuran: A Green Alternative to Oil Derived Ethers and Chlorinated Solvents (abstract)</a>	Memphis	TN
2010	No	Preventive Technology Inc.	<a href="#">PRE-TEC 3000<sup>®</sup>: An Environmentally Friendly Wood Treatment (abstract)</a>	Greenville	SC
2010	No	STERIS Corporation	<a href="#">An Environmentally Friendly Alternative for Cleaning Surgical Instruments in Healthcare Facilities (abstract)</a>	Mentor	OH
2010	No	Sun, Xiuzhi Susan; Kansas State University; SoyResin, LLC	<a href="#">Green Process of Unfolding Soy Protein Polymers for Green Adhesives (abstract)</a>	Manhattan	KS
2010	No	Thermphos USA Corp.	<a href="#">Dequest<sup>®</sup> PB: Carboxymethyl Inulin, A Versatile Scale Inhibitor from the Roots of Chicory (abstract)</a>	Mechanicsville	VA

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2010	No	Troy Corporation	<a href="#"><u>Source Reduction and Sustainability through Use of Mergal® 753 Antimicrobial Preservative (abstract)</u></a>	Florham Park	NJ
2011	No	Aeroclay, Inc.; Schiraldi, David; Case Western Reserve University	<a href="#"><u>AeroClay®: A Green Aerogel for Industry (abstract)</u></a>	Solon	OH
2011	No	BASF Corporation	<a href="#"><u>Green Sense<sup>SM</sup> Concrete (abstract)</u></a>	Beachwood	OH
2011	No	Battelle Memorial Institute	<a href="#"><u>Bio-Derived Green Primary Polyvinyl Chloride Plasticizers with Improved Thermal Stability and Plasticization Efficiency (abstract)</u></a>	Columbus	OH
2011	Yes	BioAmber, Inc.	<a href="#"><u>Integrated Production and Downstream Applications of Biobased Succinic Acid (summary and podcast)</u></a>	Minneapolis	MN
2011	No	Champion Technologies, Inc.	<a href="#"><u>Lysine-Based Phosphonate Scale Inhibitor with Improved Biodegradation and Maintained Performance (abstract)</u></a>	Houston	TX
2011	No	Chemical Safety Software	<a href="#"><u>Source Reduction through Software Technology (abstract)</u></a>	Emeryville	CA
2011	No	Commercial Fluid Power LLC	<a href="#"><u>Elimination of Hexavalent Chromium from Hydraulic and Pneumatic Tubing and Bar (abstract)</u></a>	La Porte	IN
2011	No	Cytec Industries Inc.	<a href="#"><u>iSUSTAIN® Green Chemistry Index Tool for Sustainable Development (abstract)</u></a>	Woodland Park	NJ
2011	No	Cytec Industries Inc.	<a href="#"><u>Waterborne, Ambient-Cure, Stain-Blocking Primer (abstract)</u></a>	Woodland Park	NJ
2011	No	Desilube; United Soybean Board	<a href="#"><u>High Performance Soy-Based Metalworking Fluid (abstract)</u></a>	St. Louis	MO
2011	No	Diversey Inc.	<a href="#"><u>ReNew Air Scrubber Technology (abstract)</u></a>	Sturtevant	WI
2011	No	Dober Chemical Corporation	<a href="#"><u>A Safer, Less Toxic, Reliable, and Green Water Treatment by Smart Release® Technology (abstract)</u></a>	Woodridge	IL
2011	No	Earth Friendly Products	<a href="#"><u>Earth Conscious Chemistry: Eliminating 1,4 Dioxane in Cleaning Products (abstract)</u></a>	Garden Grove	CA
2011	No	Ecolab Inc.	<a href="#"><u>DryExx Conveyor Lubricant Program (abstract)</u></a>	Eagan	MN
2011	No	Ecolab Inc.	<a href="#"><u>Low-Temperature Cleaning In Place (abstract)</u></a>	Eagan	MN
2011	No	Eli Lilly and Company	<a href="#"><u>Continuous Processing Enables a Convergent Route to a New Drug</u></a>	Indianapolis	IN

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			<a href="#"><u>Candidate: LY2624803*H3PO4 (abstract)</u></a>		
2011	No	Finn, M. G.; The Scripps Research Institute	<a href="#"><u>Metal Adhesive Polymers from Cu(I)-Catalyzed Azide-Alkyne Cycloaddition: a New Approach to Solder Replacements (abstract)</u></a>	La Jolla	CA
2011	No	FMC Corporation	<a href="#"><u>VigorOx<sup>®</sup> Biocide: Advancing Environmentally Responsible Energy Production (abstract)</u></a>	Philadelphia	PA
2011	No	Foam Supplies, Inc.	<a href="#"><u>Ecomate<sup>®</sup> Environmentally Benign Blowing Agent for Polyurethane Foams (abstract)</u></a>	Earth City	MO
2011	No	Fuel Energy Service Corporation	<a href="#"><u>Surachi Fuel Technology (abstract)</u></a>	Mobile	AL
2011	No	Genencor	<a href="#"><u>Gentle Power Bleach<sup>™</sup>: A Revolutionary Enzymatic Textile Bleaching System (abstract)</u></a>	Palo Alto	CA
2011	No	General Motors	<a href="#"><u>Applying Green Chemistry Principles to Enable Zero-Waste Manufacturing (abstract)</u></a>	Grand Blanc	MI
2011	Yes	Genomatica	<a href="#"><u>Production of Basic Chemicals from Renewable Feedstocks at Lower Cost (summary and podcast)</u></a>	San Diego	CA
2011	No	Hach Company	<a href="#"><u>Simplified Total Kjeldahl Nitrogen Method for Wastewater: A Green Alternative to Traditional Kjeldahl Methodology (abstract)</u></a>	Loveland	CO
2011	No	JEEN International	<a href="#"><u>Polyelectrolytes: Reduce Your Carbon Footprint Using an Eco-Friendly Technology to Disperse Wax in Water without Heat (abstract)</u></a>	Fairfield	NJ
2011	Yes	Kraton Performance Polymers, Inc.	<a href="#"><u>NEXAR<sup>™</sup> Polymer Membrane Technology (summary and podcast)</u></a>	Houston	TX
2011	Yes	Lipshutz, Bruce H.; University of California, Santa Barbara	<a href="#"><u>Towards Ending Our Dependence on Organic Solvents (summary and podcast)</u></a>	Santa Barbara	CA
2011	No	L'Oreal USA	<a href="#"><u>Kiehl's "Aloe Vera" Biodegradable Liquid Body Cleanser (abstract)</u></a>	Clark	NJ
2011	No	Lubrizol Corporation, The	<a href="#"><u>Positive Environmental Impact of Novel Crankcase Lubricant Technology (abstract)</u></a>	Wickliffe	OH
2011	No	Natural State Research, Inc.	<a href="#"><u>Conversion of Waste Plastics into Fuel (abstract)</u></a>	Stamford	CT

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2011	No	Novozymes North America, Inc.	<a href="#"><u>Enabling a Sustainable Biorefinery with Green Chemistry: Enzymatic Hydrolysis of Lignocellulosic Biomass for the Production of Advanced Biofuels and Renewable Chemicals (abstract)</u></a>	Franklinton	NC
2011	No	Orono Spectral Solutions	<a href="#"><u>Device and Method for Analyzing Oil and Grease in Wastewaters without Solvent (abstract)</u></a>	Old Town	ME
2011	No	Pacific Scientific Energetic Materials Co.	<a href="#"><u>New Lead Free Materials for Replacement of Existing Primary Explosives (abstract)</u></a>	Chandler	AZ
2011	No	Piedmont Biofuels Industrial, LLC	<a href="#"><u>Enzymatic Catalysis for Biodiesel Production (abstract)</u></a>	Pittsboro	NC
2011	No	Polar Industries, Inc.	<a href="#"><u>Zero-VOC, BioBased HiOmega® Linseed Oil Epoxies, Adhesives, and Alkyd Resins as Replacements for Epichlorohydrin–Epoxy Resins and Other VOC-containing Coatings, Paints, Adhesives, and Epoxies (abstract)</u></a>	Miami	FL
2011	No	PPG Industries, Inc.	<a href="#"><u>Waterborne Refinish Coatings Manufacture (abstract)</u></a>	Strongsville	OH
2011	No	Rochester Midland Corporation	<a href="#"><u>Enhance O<sub>2</sub> Soil Remover for Commercial Fryers (abstract)</u></a>	Rochester	NY
2011	No	Rochester Midland Corporation	<a href="#"><u>PRS Water Damage PreClean: Biological Cleaning for Restoration and Remediation (abstract)</u></a>	Rochester	NY
2011	No	Savage, Phillip E.; University of Michigan	<a href="#"><u>Terephthalic Acid Synthesis at High Concentrations in High-Temperature Liquid Water (abstract)</u></a>	Ann Arbor	MI
2011	Yes	Sherwin Williams Company, The	<a href="#"><u>Water-based Acrylic Alkyd Technology (summary and podcast)</u></a>	Cleveland	OH
2011	No	Sigma-Aldrich	<a href="#"><u>Green Chemistry Process for the Large-Scale Manufacture of Polyamino Acids (abstract)</u></a>	St. Louis	MO
2011	No	Solvair LLC	<a href="#"><u>Solvair Cleaning System (abstract)</u></a>	Naperville	IL
2011	No	Steward Advanced Materials	<a href="#"><u>Development and Commercial Application of SAMMS®: A Novel Compound that Adsorbs and Removes Mercury and Other Toxic Heavy Metals (abstract)</u></a>	Chattanooga	TN
2011	No	Terrabon, Inc.	<a href="#"><u>Conversion of Municipal Solid Wastes to Drop-In Fuels and Chemicals (abstract)</u></a>	Houston	TX

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2011	No	Timber Treatment Technologies, LLC	<a href="#">TimberSIL<sup>®</sup> (abstract)</a>	Springfield	VA
2011	No	Tower Oil & Technology Co.	<a href="#">Saf-T-Vanish<sup>®</sup>: A Zero-VOC, Green Replacement for Petroleum Solvent Vanish Oils (abstract)</a>	Chicago	IL
2011	No	van Heiningen, Adriaan; Genco, Joseph; Pendse, Hemant; van Walsum, Peter; University of Maine	<a href="#">Pre-Pulping Extraction of Hardwood Chips to Recover Hemicelluloses as a High-Value Renewable Chemical Feedstock that Reduces Waste and Saves Fossil Fuel (abstract)</a>	Orono	ME
2011	No	WM Barr & Company, Inc.	<a href="#">Klean-Strip<sup>®</sup> Green<sup>™</sup> Safer Paint Thinner (abstract)</a>	Memphis	TN
2012	No	Albemarle Corporation	<a href="#">Concrete-Friendly<sup>™</sup> Powdered Active Carbon (C-PAC<sup>™</sup>) to Remove Mercury from Flue Gas Safely (abstract)</a>	Baton Rouge	LA
2012	No	Armstrong World Industries, Inc.	<a href="#">BioBased Tile<sup>®</sup>: A Non-PVC Flooring Made with Rapidly Renewable Resources (abstract)</a>	Lancaster	PA
2012	No	Ashland Performance Materials	<a href="#">Envirez<sup>™</sup> Technology: Incorporating Renewable and Recycled Feedstocks into Unsaturated Polyester Resins (abstract)</a>	Dublin	OH
2012	No	BASF Corporation	<a href="#">Compostable Multilayer Food Packaging (abstract)</a>	Wyandotte	MI
2012	No	Bayer MaterialScience and Bayer AG	<a href="#">One-Component, UV-Curable, Waterborne Polyurethane Coatings (abstract)</a>	Pittsburgh	PA
2012	No	BCD Group-II, Inc.	<a href="#">Producing Chemicals and Carbon from Waste Tires, Plastics, Carpet, and Biomass (abstract)</a>	Cincinnati	OH
2012	No	Bennett, Jacqueline; State University of New York Oneonta; SUNY Research Foundation	<a href="#">Ethyl L-Lactate as a Tunable Solvent for Greener Synthesis of Diaryl Aldimines (abstract)</a>	Oneonta	NY
2012	No	Blue Marble Biomaterials LLC	<a href="#">Greening the Design of Chemical Production with Microbes (abstract)</a>	Missoula	MT
2012	Yes	Buckman International, Inc.	<a href="#">Enzymes Reduce the Energy and Wood Fiber Required to Manufacture High-Quality Paper and Paperboard (summary and podcast)</a>	Memphis	TN
2012	No	CCP Composites	<a href="#">FIREBLOCK<sup>™</sup> Intumescent Resin (abstract)</a>	Kansas City	MO



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2012	Yes	Coates, Geoffrey W.; Cornell University	<a href="#">Synthesizing Biodegradable Polymers from Carbon Dioxide and Carbon MoNO<sub>x</sub>ide (summary and podcast)</a>	Ithaca	NY
2012	Yes	Codexis, Inc.; Yi Tang; University of California, Los Angeles	<a href="#">An Efficient Biocatalytic Process to Manufacture Simvastatin (summary and podcast)</a>	Redwood City	CA
2012	No	Colonial Chemical, Inc.	<a href="#">Suga<sup>®</sup>Nate: A Safer, Milder, Greener Surfactant (abstract)</a>	South Pittsburg	TN
2012	No	Cooper Power Systems	<a href="#">Vegetable Oil Insulating Fluid for Improved High Voltage Transformer Capability (abstract)</a>	Waukesha	WI
2012	No	CPS Biofuels, Inc.	<a href="#">Glycerol tert-Butyl Ether (GTBE): A Biofuel Additive for Today (abstract)</a>	Virginia Beach	VA
2012	No	Cytec Industries Inc.	<a href="#">Saturated Polyester-Phenolic Resin Systems Eliminate Bisphenol A and Epoxy from Interior Can Coatings for Food Packaging (abstract)</a>	Woodland Park	NJ
2012	Yes	Cytec Industries Inc.	<a href="#">MAX HT<sup>®</sup> Bayer Sodalite Scale Inhibitor (summary and podcast)</a>	Woodland Park	NJ
2012	No	DuPont Company	<a href="#">Chlorantraniliprole: Increased Food Production, Reduced Risks, More Sustainable Agriculture (abstract)</a>	Wilmington	DE
2012	No	DuPont Company and Butamax <sup>™</sup> Advanced BioFuels LLC	<a href="#">Production of Isobutanol from the Synergy between Metabolic and Process Engineering (abstract)</a>	Wilmington	DE
2012	No	e2e Materials, Inc.	<a href="#">Formaldehyde-Free, High-Strength Biocomposites from Sustainable Resources (abstract)</a>	Ithaca	NY
2012	No	Ecology Coatings	<a href="#">Generally Recognized as Safe (GRAS) Coatings (abstract)</a>	Warren	MI
2012	No	Electrovaya Inc.	<a href="#">Zero-Emission Production of the Green Lithium Ion SuperPolymer<sup>®</sup> Battery (abstract)</a>	Malta	NY
2012	Yes	Elevance Renewable Sciences, Inc.	<a href="#">Using Metathesis Catalysis to Produce High-Performing, Green Specialty Chemicals at Advantageous Costs (summary and podcast)</a>	Woodridge	IL
2012	No	Eli Lilly and Company	<a href="#">Grignards Going Greener by Continuous Processing (abstract)</a>	Indianapolis	IN
2012	No	IBM Corporation	<a href="#">Catalytic Treatment of Hydrogen Peroxide in IBM Semiconductor Wastewater (abstract)</a>	Hopewell Junction	NY
2012	No	IBM Corporation	<a href="#">Elimination of PFOS and PFOA in IBM Semiconductor Manufacturing</a>	Hopewell Junction	NY

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			<a href="#"><u>Processes and Development of Photoacid Generators Free of Perfluoroalkyl Sulfonates (abstract)</u></a>		
2012	No	InfiChem Polymers, LLC	<a href="#"><u>InfiGreen™ Polyols (abstract)</u></a>	Sterling Heights	MI
2012	No	John, George; The City College of the City University of New York	<a href="#"><u>Sustainable Molecular Design through Biorefineries: Biomass as an Enabling Platform for Safe Oil-Thickening Agents (Amphiphiles) (abstract)</u></a>	New York	NY
2012	No	Johnson & Johnson Consumer Companies, Inc.; AkzoNobel Surface Chemistry LLC	<a href="#"><u>NATRASURF™ PS-111 Polymeric Surfactant: Achieving Next Generation Mildness in Personal Care Products with a Reduced Environmental Footprint (abstract)</u></a>	Skillman	NJ
2012	No	Kop-Coat, Inc.	<a href="#"><u>Tru-Core® Protection System for Wood (abstract)</u></a>	Pittsburg	PA
2012	No	LubriGreen Biosynthetics	<a href="#"><u>Development and Commercialization of Oleic Estolide Esters (abstract)</u></a>	Irvine	CA
2012	No	Mascal, Mark; University of California, Davis	<a href="#"><u>Chemical Conversion of Biomass into New Generations of Renewable Fuels, Polymers, and Value-Added Products (abstract)</u></a>	Davis	CA
2012	No	Masterchem Brands	<a href="#"><u>KILZ MAX™ PRIMER-SEALER-STAINBLOCKER: Oil-Based Performance in a Water-Based Formula with Less Environmental Impact (abstract)</u></a>	Chesterfield	MO
2012	No	NALCO	<a href="#"><u>NALCO's APEX™ Program: Sustainable Technology for Paint Detackification (abstract)</u></a>	Coraopolis	PA
2012	No	Novomer, Inc.	<a href="#"><u>High-Performance Polyols from CO<sub>2</sub> at Low Cost (abstract)</u></a>	Waltham	MA
2012	No	NSR Technologies, Inc.	<a href="#"><u>Electrodialysis and Chromatographic Separation Technology for Chlorine-Free Production of Potassium Hydroxide and Hydrochloric Acid (abstract)</u></a>	Decatur	IL
2012	No	OPX Biotechnologies, Inc.	<a href="#"><u>Producing Industrial Chemicals by Fermenting Renewable Feedstocks at a Lower Cost (abstract)</u></a>	Boulder	CO
2012	No	Performance Chemicals, LLC	<a href="#"><u>BURN-OUT™ Durable, Green, Nontoxic Flame Retardant (abstract)</u></a>	Concord	NH
2012	No	Pfizer	<a href="#"><u>New Green Commercial Biocatalytic Route to Atorvastatin Calcium, the Lipitor API (abstract)</u></a>	Kalamazoo	MI

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2012	No	Plata, Desirée L.; Duke University	<a href="#">Improved Resource Use in Carbon Nanotube Synthesis via Mechanistic Understanding (abstract)</a>	Durham	NC
2012	No	RajanBabu, T. V. (Babu); The Ohio State University	<a href="#">Ethylene: A Feedstock for Fine Chemical Synthesis (abstract)</a>	Columbus	OH
2012	No	RPS Environmental Solutions, LP	<a href="#">Zero-VOC Cleaning and Remediation Technology (abstract)</a>	Dallas	TX
2012	No	SiGNa Chemistry, Inc.	<a href="#">Sodium Silicide: A New Alkali Metal Derivative for Safe, Sustainable, and On-Demand Generation of Hydrogen (abstract)</a>	New York City	NY
2012	No	Tandus Flooring	<a href="#">Ethos™ Modular Commercial Floor Coverings (abstract)</a>	Dalton	GA
2012	No	U.S. Department of Energy, Pacific Northwest National Laboratory; Archer Daniels Midland Company	<a href="#">Propylene Glycol from Renewable Resources (abstract)</a>	Richland	WA
2012	No	Verdezyne, Inc.	<a href="#">Biobased Adipic Acid for Renewable Nylon and Polyurethane Resins (abstract)</a>	Carlsbad	CA
2012	No	Verenium Corporation	<a href="#">Pyrolase® Cellulase Enzyme Breaker as a Biodegradable Replacement for Corrosive Acids and Oxidizers in Hydraulic Fracturing Operations (abstract)</a>	San Diego	CA
2012	No	VH Biotechnology, Inc.	<a href="#">Bacteriocins: A Green, Antimicrobial Pesticide (abstract)</a>	League City	TX
2012	Yes	Waymouth, Robert M.; Stanford University; Hendrick, James L.; IBM Almaden Research Center	<a href="#">Organic Catalysis: A Broadly Useful Strategy for Green Polymer Chemistry (summary and podcast)</a>	Stanford	CA
2013	No	Advanced Biocatalytics Corporation (ABC)	<a href="#">Changing the Nature of Surfactants: Protein-Surfactant Synergists With Enhanced Cleaning Power and Bioremediation Abilities (abstract)</a>	Irvine	CA
2013	No	AkzoNobel Surface Chemistry, LLC	<a href="#">Hybrid Polymers (abstract)</a>	Chicago	IL
2013	No	AnCatt Inc.	<a href="#">Conductive Polymer Nanodispersion (CPND) and the Environmentally Friendly Heavy-Duty Anti-Corrosion Coating Platform Technology (abstract)</a>	Newark	DE
2013	No	Armstrong World Industries	<a href="#">Breakthrough Coating for Ceiling Tiles (abstract)</a>	Lancaster	PA

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2013	No	AstraZeneca and Forest Laboratories	<a href="#"><u>An Order of Magnitude Improvement in Sustainability through Core Application of Green Chemistry Principles: The Process Development of Avibactam (abstract)</u></a>		
2013	Yes	Cargill, Inc.	<a href="#"><u>Vegetable Oil Dielectric Insulating Fluid for High-Voltage Transformers (summary)</u></a>	Brookfield	WI
2013	No	Dow Chemical Company, The	<a href="#"><u>INFUSE™ Olefin Block Copolymers (abstract)</u></a>	Midland	MI
2013	Yes	Dow Chemical Company, The	<a href="#"><u>EVOQUE™ Pre-Composite Polymer Technology (summary)</u></a>	Midland	MI
2013	No	DSM Biobased Products and BP Biofuels	<a href="#"><u>Sugar to Diesel (Bio-Diesel from Microbial Oil) -- A Sustainable, Scalable and Affordable Option to Petroleum Diesel (abstract)</u></a>	Columbia	MD
2013	No	DuPont and Goodyear	<a href="#"><u>An Innovative Cell Factory and Bioprocess for Production of Biolsoprene™ Monomer (abstract)</u></a>	Palo Alto	CA
2013	Yes	Faraday Technology, Inc.	<a href="#"><u>Functional Chrome Coatings Electrodeposited from a Trivalent Chromium Plating Electrolyte (summary)</u></a>	Clayton	OH
2013	No	FRX POLYMERS® Inc.	<a href="#"><u>Polymeric, Non-Halogenated Flame Retardants with Broad Applicability in Multiple Industries (abstract)</u></a>	Chelmsford	MA
2013	No	GeoTree Technologies, Inc.	<a href="#"><u>GeoSpray™ Geopolymer Mortar System for Structural Rehabilitation of Sewer and Storm Water Infrastructure (abstract)</u></a>	Lafayette	CO
2013	No	Infinite Enzymes	<a href="#"><u>Infinite Enzymes: Low-Cost, Plant-Based Enzymes for Converting Cellulosic Biomass into Biofuels and Other Biobased Products (abstract)</u></a>	State University	AR
2013	No	International Products Corporation	<a href="#"><u>Temporary Assembly Lubricants for Rubber and Plastic Articles Using Renewable Oil-in-Water Emulsion Technology (abstract)</u></a>	Burlington	NJ
2013	Yes	Life Technologies Corporation	<a href="#"><u>Safe, Sustainable Chemistries for the Manufacturing of PCR Reagents (summary)</u></a>	Austin	TX
2013	No	Lonza, Inc.	<a href="#"><u>Dantogard 2000 Preservative: An Antimicrobial Technology with Reduced Environmental Impact for</u></a>	Allendale	NJ

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			<a href="#"><u>Hydraulic Fracturing of Shale Gas Plays (abstract)</u></a>		
2013	No	Monsanto and Biosynthetic Technologies	<a href="#"><u>Vistive® Gold Soybeans and Biosynthetic Technologies Enable Biodegradable, Non-Toxic, Renewable, and Economical Industrial Bio-Lubricants (abstract)</u></a>	St. Louis	MO
2013	No	Multi-Chem, A Halliburton Service	<a href="#"><u>The Use of Nitrate and Selected Live Strains of Nitrate Reducing Bacteria to Replace the Use of Biocide in Hydraulic Fracturing Operations (abstract)</u></a>	Houston	TX
2013	No	Myriant Corporation	<a href="#"><u>Expanding the Renewable Polymers "Tool Kit" with Bio-Succinic Acid (abstract)</u></a>	Woburn	MA
2013	No	Myriant Corporation	<a href="#"><u>Bio-based Chemicals from Low-cost Lignocellulosic Sugars (abstract)</u></a>	Woburn	MA
2013	No	Nalco Champion, An Ecolab Company	<a href="#"><u>eVerified ASP560: An Environmentally Friendly Corrosion Inhibitor (abstract)</u></a>	Sugar Land	TX
2013	No	New Sky Energy, LLC	<a href="#"><u>Sustainable Soda Ash for the Glass Industry (abstract)</u></a>	Boulder	CO
2013	No	Novozymes	<a href="#"><u>Enzymes for the Production of Economical Sugars: A Linchpin of the Carbohydrate Economy (abstract)</u></a>	Franklinton	NC
2013	No	Owens Corning	<a href="#"><u>Sustainability and Owens Corning's EcoTouch™ Insulation Conversion (abstract)</u></a>	Newark	OH
2013	No	Subramaniam, Bala; University of Kansas	<a href="#"><u>A Greener Hydroformylation Technology (abstract)</u></a>	Lawrence	KS
2013	No	Systea Scientific, LLC	<a href="#"><u>Easy (1-Reagent) Nitrate Method: A Green Alternative to Traditional USEPA Approved Nitrate Methods (abstract)</u></a>	Oak Brook	IL
2013	No	Thames, S. F.; Rawlins, J. W.; The University of Southern Mississippi	<a href="#"><u>Formaldehyde-Free Commercial-Grade Particleboards Based Solely on Soybean Protein Adhesive (abstract)</u></a>	Hattiesburg	MS
2013	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#"><u>Upcycling Process That Converts Unsorted Plastic Waste into Functional Carbon Materials (abstract)</u></a>	Argonne	IL
2013	No	Virent, Inc.	<a href="#"><u>Converting Plant Sugars into Paraxylene for 100% Renewable, 100% Recyclable Packaging and Fibers (abstract)</u></a>	Madison	WI

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2013	No	Washing Systems LLC	<a href="#">Pure Solutions Chemical Line for Laundries (abstract)</a>	Loveland	OH
2013	Yes	Wool, Richard P.; U Delaware	<a href="#">Sustainable Polymers and Composites: Optimal Design (summary)</a>	Newark	DE
2014	No	ACTA Technology Inc.	<a href="#">A Greener, Safer and More Efficient Antifreeze (abstract)</a>	Boulder	CO
2014	No	Advanced Technology Materials, Inc. (ATMI), an Entegris company	<a href="#">The eVOLV™ System, a Clean, Sustainable Solution to Electronic Waste (abstract)</a>	Danbury	CT
2014	No	AkzoNobel Functional Chemicals, LLC	<a href="#">Improved Performance and HSE Profile of a Novel Stimulation Fluid for Oil and Natural Gas Wells (abstract)</a>	Chicago	IL
2014	Yes	Amyris	<a href="#">Farnesane: a Breakthrough Renewable Hydrocarbon for Use as Diesel and Jet Fuel (summary and podcast)</a>	Emeryville	CA
2014	No	Archroma	<a href="#">Earthcolors Technology (abstract)</a> <a href="#">SYLVAROAD™ RP 1000</a>	Charlotte	NC
2014	No	Arizona Chemical Company, LLC	<a href="#">Performance Additive: A Sustainable, Pine-Based Additive to Enable High Re-Use of Reclaimed Asphalt Pavement (abstract)</a>	Savannah	GA
2014	No	Atsumi, Shota; University of California, Davis	<a href="#">Green Biological Production of Short and Medium Chain Esters (abstract)</a>	Davis	CA
2014	No	Bay State Tech, LLC	<a href="#">Consumer Viable and Environmentally Friendly Solvent Replacements Developed From Food Grade Compounds (abstract)</a>	Baltimore	MD
2014	No	Blair, Richard; University of Central Florida, The	<a href="#">The Scalable Production of Edge Functionalized Few Layer Graphene Oxide (abstract)</a>	Orlando	FL
2014	No	Boeing Company, The; Boeing Research & Technology	<a href="#">Boegel Surface Activation Technology Suite (abstract)</a>	Seattle	WA
2014	No	Copperhead Chemical Company Inc.	<a href="#">Novel, Effective, Safe Delivery System for Antimicrobial Agents Derived from Sustainable Vegetable Monoglycerides (abstract)</a>	Tampa	FL
2014	No	Cytec Industries Inc.	<a href="#">Cylinderized Phosphine as Safer, More Environmentally Friendly Alternatives to Traditional Stored Product Fumigants (abstract)</a>	Stamford	CT
2014	No	Dow Chemical Company, The	<a href="#">Sustainable Microbial Control Treatments for Hydraulic Fracturing (abstract)</a>	Buffalo Grove	IL

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2014	No	Dow Chemical Company, The	<a href="#"><u>BETAMATE™ and BETAFORCE™ Structural Adhesives Improve Automotive Fuel Efficiency and Emissions (abstract)</u></a>	Midland	MI
2014	No	Dow Chemical Company, The	<a href="#"><u>FORMASHIELD™ Formaldehyde Abatement Technology (abstract)</u></a>	Collegeville	PA
2014	No	Dumesic, James A.; University of Wisconsin- Madison	<a href="#"><u>Enzyme-Free Biomass Depolymerization Using GVL (abstract)</u></a>	Madison	WI
2014	No	E&B Green Solutions	<a href="#"><u>G-Clean® Line of Green Cleaning Products Designed to Clean Hydrocarbons Safely and Effectively (abstract)</u></a>	Hermosa Beach	CA
2014	No	Ecolab	<a href="#"><u>Environmentally Responsible Spore Control Program Through Effective Cleaning and Sanitizing of Heat Exchange Dairy Process Equipment (abstract)</u></a>	Eagan	MN
2014	No	Genentech, Inc.	<a href="#"><u>Targeted Chemotherapy for Solid Tumor Cancer Treatment (abstract)</u></a>	South San Francisco	CA
2014	No	GreenLife Development	<a href="#"><u>Naturama - Oil Surfactant, Green Degreaser and Cleaner (abstract)</u></a>	Las Vegas	NV
2014	No	Gunasekaran, Sundaram; Yang, Jiang; University of Wisconsin-Madison; LignoCarbon	<a href="#"><u>Green Approaches of Nanocomposite Material Synthesis for Energy Storage, Environmental Surveillance and Sustainable Food Systems (abstract)</u></a>	Mountain View	CA
2014	No	Merck & Co., Inc.	<a href="#"><u>An Innovative Catalytic Intramolecular Asymmetric Reductive Amination of a Dialkyl Ketone Enables a Highly Efficient, Green Synthesis of Suvorexant (MK-4305) (abstract)</u></a>	Rahway	NJ
2014	No	Monsanto Company	<a href="#"><u>Bt Technology, Transforming Insect Control (abstract)</u></a>	St. Louis	MO
2014	No	Musolino, Bryan; University of Tennessee, Knoxville	<a href="#"><u>Ultrasound Induced, Copper Mediated Homo-Coupling Using Polymer Supported Aryltrifluoroborates (abstract)</u></a>	JBSA-FSH	TX
2014	No	MWV Specialty Chemicals, a division of MeadWestvaco Corporation	<a href="#"><u>Evotherm® Warm Mix Asphalt Technology (abstract)</u></a>	North Charleston	SC
2014	No	Novinda Corporation	<a href="#"><u>Amended Silicates® HgX (abstract)</u></a>	Denver	CO
2014	No	PPG Industries, Inc.	<a href="#"><u>Polyethylene Terephthalate (PET) Derived Polymers for Coatings (abstract)</u></a>	Pittsburgh	PA



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2014	No	Pyun, Jeffrey; Glass, Richard; U of Arizona	<a href="#">Utilization of Elemental Sulfur as a New Chemical Feedstock for Polymeric Materials (abstract)</a>	Tucson	AZ
2014	Yes	QD Vision, Inc.	<a href="#">Greener Quantum Dot Synthesis for Energy Efficient Display and Lighting Products (summary and podcast)</a>	Lexington	MA
2014	Yes	Solazyme, Inc.	<a href="#">Tailored Oils Produced from Microalgal Fermentation (summary and podcast)</a>	South San Francisco	CA
2014	Yes	Solberg Company, The	<a href="#">RE-HEALING™ Foam Concentrates—Effective Halogen-Free Firefighting (summary and podcast)</a>	Green Bay	WI
2014	Yes	Stahl, Shannon S.; University of Wisconsin-Madison	<a href="#">Aerobic Oxidation Methods for Pharmaceutical Synthesis (summary and podcast)</a>	Madison	WI
2014	No	Stepan Company	<a href="#">STEPOSOL® MET-10U. A Bio-derived, Nonionic Surfactant Solution for Solvent Replacement: Source Reduction and Inherently Lower Health Hazards in Hard Surface Cleaning and Adhesive / Paint Removal (abstract)</a>	Northfield	IL
2014	No	Terramera, Inc.	<a href="#">CIRKIL Biopesticide (abstract)</a>	Buena Park	CA
2014	No	Washing Systems LLC	<a href="#">Green Detergents for Industrial Laundries (abstract)</a>	Loveland	OH
2014	No	Wyman, Charles; University of California, Riverside	<a href="#">UCR Co-Solv Technology Achieves Unprecedented Yields of Fuel Precursors from Lignocellulosic Biomass (abstract)</a>	Riverside	CA
2015	No	A S Filtration™, LLC	<a href="#">Pathex®/PathShield™ Antimicrobial Filter Media for the Control of Bacteria in Stormwater and Industrial Process Waters (abstract)</a>	Hixson	TN
2015	No	Acid-Amine Technologies, Inc. (AAT)	<a href="#">Using Bioethanol as A Raw Material, To Produce: 1. SAFEN: A Low Cost Nematicide And Fungicide, Based on Ethyl Formate, Which Is Generally Regarded as Safe by the FDA, and Which Biodegrades Into Two Naturally Occurring Substances, with No Lasting Detrimental Effects to Air, Soil and Water; and 2. Ethyl Formate in a Second Development as a Suitable Raw Material for Propionic Acid and Acrylate Production (abstract)</a>	Woodcliff Lake	NJ

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2015	Yes	Algenol	<a href="#">The Algenol Biofuel Process: Sustainable Production of Ethanol and Green Crude (summary and picture)</a>	Fort Myers	FL
2015	No	Barreto, Reynaldo; Purdue University North Central	<a href="#">Photocatalytic Oxidations of Ethers with Visible/Near UV Light and the Development of a Continuous Flow Photoreactor (abstract)</a>	Westville	IN
2015	Yes	Chen, Eugene Y.-X.; Colorado State University	<a href="#">Greener Condensation Reactions for Renewable Chemicals, Liquid Fuels, and Biodegradable Polymers (summary and picture)</a>	Fort Collins	CO
2015	No	Eastman Chemical Company	<a href="#">Eastman Omnia™ Solvent – Changing the Chemistry of Clean. New, Safe, Highly Effective Solvent for Cleaning Applications (abstract)</a>	Kingsport	TN
2015	No	Ecolab	<a href="#">OxyCide™ Daily Disinfectant Cleaner (abstract)</a>	Eagan	MN
2015	No	Ecolab	<a href="#">Environmentally Preferable Biocide For Water Treatment in Hydraulic Fracturing (abstract)</a>	Eagan	MN
2015	No	Green Biologics, Inc. (GBI)	<a href="#">The Reinvention of Biomass Based n-Butanol for the Renewable Chemicals Industry (abstract)</a>	Gahanna	OH
2015	No	Honeywell International	<a href="#">Low Global Warming, Non-VOC, Zero-ODP Molecule for Energy Efficient Polyurethane Foam Insulation Blowing Agent, Solvents, and Heat Transfer (abstract)</a>	Morristown	NJ
2015	Yes	Hybrid Coating Technologies/Nanotech Industries	<a href="#">Hybrid Non-Isocyanate Polyurethane/Green Polyurethane™ (summary and picture)</a>	Daly City	CA
2015	Yes	LanzaTech Inc.	<a href="#">LanzaTech Gas Fermentation Process (summary and picture)</a>	Skokie	IL
2015	No	Licht, Stuart; George Washington University	<a href="#">A Solar Chemical Process to End Anthropogenic Global Warming: STEP Generation of Energetic Molecules (abstract)</a>	Washington	DC
2015	No	Light Curable Coatings	<a href="#">High Performance Solvent-Free Coating Technology (abstract)</a>	Valley View	OH
2015	No	Linde North America	<a href="#">Development of Vapormate as a Replacement for Methyl Bromide Fumigants (abstract)</a>	Murray Hill	NJ
2015	No	Modular Genetics, Inc.	<a href="#">Greener Synthesis of Surfactants (abstract)</a>	Cambridge	MA

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2015	No	Phyllom BioProducts	<a href="#"><u>grubGONE!®, beetleGONE!® and boreGONE!®, Biological Insecticides with Low Impact on Humans and the Environment Yet Effective Against Destructive Beetle Pests (abstract)</u></a>	Oakland	CA
2015	No	PROSOCO, Inc.	<a href="#"><u>PROSOCO R-Guard: High-Performance Phthalate-Free Air and Water Resistive Barrier Sealant and Sealant Coating System (abstract)</u></a>	Lawrence	KS
2015	Yes	Renmatix	<a href="#"><u>The Plantrose® Process: Supercritical Water as the Economic Enabler of Biobased Industry (summary and picture)</u></a>	San Francisco	CA
2015	No	Sagamore-Adams Laboratories, LLC	<a href="#"><u>PLATech, Green Chemistry Universal Adhesive-Sealing Technology (abstract)</u></a>	Chicago	IL
2015	No	Siluria Technologies, Inc.	<a href="#"><u>Cleaner Transportation Fuels and Commodity Chemicals from Methane (abstract)</u></a>	San Francisco	CA
2015	No	Sirrus, Inc.	<a href="#"><u>1, 1-Disubstituted Alkenes (abstract)</u></a>	Loveland	OH
2015	Yes	Soltex (Synthetic Oils and Lubricants of Texas)	<a href="#"><u>A Novel High Efficiency Process for the Manufacture of Highly Reactive Polyisobutylene Using a Fixed Bed Solid State Catalyst Reactor System (summary and picture)</u></a>	Houston	TX
2015	No	VF Corporation	<a href="#"><u>VF Corporation: CHEM-IQ<sup>SM</sup> (abstract)</u></a>	Greensboro	NC
2015	No	Voorhees, Kent; Colorado School of Mines	<a href="#"><u>Bacteriophage-Based Bacterial Identification and Antibiotic Resistance Test (abstract)</u></a>	Golden	CO
2015	No	ZAPS Technologies, Inc.	<a href="#"><u>An Application of Hybrid Multispectral Analysis; Real-Time Wastewater Process Control (abstract)</u></a>	Corvallis	OR
2015	No	Zhang, Yi-Heng Percival; Cell Free Bioinnovations Inc	<a href="#"><u>Ultra-High Energy Density Metal-Free Sugar Biobattery (abstract)</u></a>	Blacksburg	VA
2015	No	Zhang, Yi-Heng Percival; Virginia Tech	<a href="#"><u>High-Yield and High-Purity Hydrogen Production from Carbohydrates via Synthetic Enzymatic Pathways (abstract)</u></a>	Blacksburg	VA
2016	No	3M	<a href="#"><u>Alternative to Sulfur Hexafluoride Enables up to 99% Greenhouse Gas Emission Reduction (abstract)</u></a>	St. Paul	MN
2016	No	AECOM	<a href="#"><u>Green Nanotechnology Product and Processes for Cleaning Up</u></a>	Atlanta	GA

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			<a href="#"><u>Contaminated Soil and Groundwater (abstract)</u></a>		
2016	No	Aequor, Inc.	<a href="#"><u>New Chemical Impedes Biofilm Formation and the Adhesion Of Foulers (abstract)</u></a>	San Diego	CA
2016	No	Alliance Finishing	<a href="#"><u>Plating on Plastics (abstract)</u></a>	Oxnard	CA
2016	No	Biosynthetic Technologies	<a href="#"><u>Estolides: A Low-Cost, High-Performance Renewable Fluid Certified for Motor Oil (abstract)</u></a>	Irvine	CA
2016	No	Bristol-Myers Squibb	<a href="#"><u>Discovery, Development and Implementation of New Chemical Technology toward a Novel Commercial Synthesis for the HIV-Attachment Inhibitor, BMS-663068 (abstract)</u></a>	New Brunswick	NJ
2016	No	Calgon Carbon Corporation	<a href="#"><u>FLUEPAC<sup>®</sup> activated carbon products for superior mercury control from flue gas and green re-use of coal combustion residuals (abstract)</u></a>	Moon Twp	PA
2016	No	Calysta	<a href="#"><u>Disruptive Methantropic Technology for Sustainable Food, Fuel and Products: Green Chemistry Innovation Enabling US Global Competitiveness in Low-Carbon, New Economy (abstract)</u></a>	Menlo Park	CA
2016	No	Catalytic Innovations, LLC	<a href="#"><u>Catalytic Electrolysis for Renewable Fuel Generation from Organic Waste Water (abstract)</u></a>	Adamsville	RI
2016	Yes	CB&I; Albemarle	<a href="#"><u>AlkyClean<sup>®</sup> Technology: An Inherently Safer Technology for the Production of Gasoline Alkylate (summary)</u></a>	Amersfoort	TX
2016	Yes	Chirik, Paul J., Princeton University	<a href="#"><u>Catalysis with Earth Abundant Transition Metals (summary)</u></a>	Princeton	NJ
2016	No	Clean Chemistry, Inc.	<a href="#"><u>PeroxyMAX<sup>™</sup> Oxidant Technology for Pollution Prevention in Industrial Sectors (abstract)</u></a>	Boulder	CO
2016	No	Collaborative Aggregates, LLC	<a href="#"><u>Delta S<sup>™</sup>: An Environmentally Benign and Worker Safe Asphalt Rejuvenator (abstract)</u></a>	Wilmington	MA
2016	No	Compact Membrane Systems, Inc.	<a href="#"><u>Membrane Dehydration for Solvent Recovery and Reuse (abstract)</u></a>	Newport	DE
2016	No	Covestro LLC	<a href="#"><u>Dream Production – CO<sub>2</sub> as a new building block for high-tech plastics (abstract)</u></a>	Pittsburgh	PA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2016	Yes	Dow AgroSciences LLC	<a href="#"><u>Instinct® Technology – Making Nitrogen Fertilizers Work More Effectively for Farmers and the Planet (summary)</u></a>	Indianapolis	IN
2016	No	Dow Chemical Company, The	<a href="#"><u>Dow Polymeric Flame Retardant (abstract)</u></a>	Midland	MI
2016	No	Dow Chemical Company, The	<a href="#"><u>SOLDERON™ BP Lead-free Solder Plating Chemistry (abstract)</u></a>	Marlborough	MA
2016	No	Dow Microbial Control	<a href="#"><u>Kathon™ 7 TI Antimicrobial for Water Treatment Applications (abstract)</u></a>	Collegeville	PA
2016	No	DuPont	<a href="#"><u>Creation, Integration, and Engineering of the World's Largest Cellulosic Ethanol BioRefinery Production Platform (abstract)</u></a>	Wilmington	DE
2016	No	Elinor Specialty Coatings; Bierwagen, Gordon; North Dakota State University; Akzo Nobel Aerospace Coatings	<a href="#"><u>Mg rich primer for Chrome free protection of Aluminum and its alloys (abstract)</u></a>	Fargo	ND
2016	No	Floral Soil LLC	<a href="#"><u>Floral Soil: A Green Chemistry Alternative to Phenol Formaldehyde Foams for Floral &amp; Horticulture Industries (abstract)</u></a>	Everett	WA
2016	No	Garg, Neil; University of California, Los Angeles	<a href="#"><u>Catalytic Cross-Couplings Using a Sustainable Metal and Green Solvents (abstract)</u></a>	Los Angeles	CA
2016	No	H-O-H Water Technology, Inc.	<a href="#"><u>Cooling Tower Water Conservation and Chemical Treatment Elimination (abstract)</u></a>	Palatine	IL
2016	No	Huang, Yu; University of California, Los Angeles	<a href="#"><u>Surface Engineered High-performance Catalysts for Fuel Cell Applications (abstract)</u></a>	Los Angeles	CA
2016	No	Instrumental Polymer Technologies, LLC	<a href="#"><u>Evolution Polymerization To Produce Sustainable Polycarbonate Dendrimers (abstract)</u></a>	Westlake Village	CA
2016	No	International Flavors & Fragrances Inc. (IFF)	<a href="#"><u>A Greener Process for the Fragrance Veridian and Development/Implementation of IFF's Green Chemistry Tool (abstract)</u></a>	Union Beach	NJ
2016	No	ISCA Technologies, Inc.	<a href="#"><u>SPLAT® VERB: An Insecticide-Free, Green Repellent for Bark Beetle Pests of North American Forestry (abstract)</u></a>	Riverside	CA
2016	No	Kiverdi	<a href="#"><u>Carbon Engineering Platform (abstract)</u></a>	Hayward	CA
2016	No	Lygos, Inc.	<a href="#"><u>Integrated Production of Sustainable Biobased Malonic Acid for Significant</u></a>	Emeryville	CA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
			<a href="#"><u>Source Pollution Reduction, Cost, and Performance Advantages (abstract)</u></a>		
2016	No	Marrone Bio Innovations	<a href="#"><u>GRANDEVO® advanced bioinsecticides (abstract)</u></a>	Davis	CA
2016	No	Marrone Bio Innovations	<a href="#"><u>ZEQUANOX® (abstract)</u></a>	Davis	CA
2016	No	Meridian Holdings Group (Meridian, Inc. and DaniMer Scientific)	<a href="#"><u>Degradable Polymers for Fracking Applications (abstract)</u></a>	Bainbridge	GA
2016	No	Midwest Refrigerants, LLC -- a Missouri Limited Liability Company	<a href="#"><u>The Recovery of Organic Halides from Waste Streams by the Chemical Reaction of Hydrogen and Carbon Dioxide (abstract)</u></a>	Shoreline	WA
2016	No	Miller, Stephen; U of Florida; U.S. Bioplastics, LLC	<a href="#"><u>Replacing Packaging Plastics with Sustainable Bioplastics from Megacrop Waste (abstract)</u></a>	Gainesville	FL
2016	Yes	Newlight Technologies, LLC	<a href="#"><u>AirCarbon: Greenhouse Gas Transformed into High-Performance Thermoplastic (summary)</u></a>	Irvine	CA
2016	No	Niwayama, Satomi; Texas Tech	<a href="#"><u>Highly efficient and practical monohydrolysis of symmetric diesters (abstract)</u></a>	Lubbock	TX
2016	No	Novvi, LLC (a joint venture of Amyris, Inc. and Cosan S.A. Industria e Comercio)	<a href="#"><u>Renewable Oils for High Performance Lubricants (abstract)</u></a>	Emeryville	CA
2016	No	Ohio Soybean Council	<a href="#"><u>Bio-Derived Oligomer Technology to Replace Bis Phenol-A (BPA)-Based Thermoset Coatings: A Practical Solution for BPA-Free Metal Can Coatings for Beer, Beverage, and Food Containers (abstract)</u></a>	Worthington	OH
2016	No	OMNOVA Solutions Inc.	<a href="#"><u>SunCryl HP 114, an Environmentally Friendly Release Coat (abstract)</u></a>	Akron	OH
2016	No	Pfizer	<a href="#"><u>A Green, Energy Efficient, Chemoenzymatic Process to Manufacture Pregabalin (abstract)</u></a>	San Diego	CA
2016	No	Procter & Gamble Company, and DuPont Company	<a href="#"><u>Cold-Water Enzyme: Reducing the Environmental Footprint of Residential Laundry through Low Temperature Cleaning (abstract)</u></a>	Palo Alto	CA
2016	No	Rennovia Inc.	<a href="#"><u>Breakthrough Catalyst Technology Enables Cost Competitive Drop-in Bio-Based Nylons and Polyurethanes (abstract)</u></a>	Santa Clara	CA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2016	No	Resinate Materials Group, Inc.	<a href="#">Converting Landfill Wastes to Multi-Functional Green Polyols for Coating Applications (abstract)</a>	Plymouth	MI
2016	No	Rivertop Renewables	<a href="#">Rivertop Renewables - Sugar Oxidation Process (abstract)</a>	Missoula	MT
2016	No	Sabatini, Jesse; US Army Research Laboratory (ARL)	<a href="#">Environmentally Friendly Colored Pyrotechnic Illuminants (abstract)</a>	Aberdeen Proving Ground	MD
2016	No	SiGNa Chemistry, Inc.; Dixie Chemical Company, Inc.	<a href="#">Input and Waste Associated with the Isomerization of Linear Alpha Olefins (abstract)</a>	New York	NY
2016	No	Sun Pharmaceuticals, Inc.	<a href="#">Environmental protection reagents from MSW: one-step quantitative resourcing municipal solid waste (abstract)</a>	San Diego	CA
2016	No	UOP LLC, A Honeywell Company	<a href="#">A Feedstock Flexible Process to produce Diesel and/or Jet Fuel from Renewable Resources (abstract)</a>	Des Plaines	IL
2016	Yes	Verdezyne	<a href="#">Renewable Nylon through Commercialization of BIOLON™ DDDA (summary)</a>	Carlsbad	CA
2016	No	Vestaron Corporation	<a href="#">SPEAR™ Insecticide: First Member of a New Class of Biopesticides which shows Efficacy comparable to Synthetic Insecticides (abstract)</a>	Kalamazoo	MI
2016	No	Virox Technologies Inc.	<a href="#">Accel 5 RTU, an Accelerated Hydrogen Peroxide® (AHP®) based cleaner-disinfectant that provides a sustainable and safer choice for infection prevention and control (abstract)</a>	Oakville	WI
2016	No	Vitaworks, LLC	<a href="#">Atom-Efficient Process for Producing Taurine (abstract)</a>	North Brunswick	NJ

## Green Chemistry Program Nomination Table

This table contains information on each unique technology nominated for the Presidential Green Chemistry Challenge from 1996 through 2016. Although EPA has received 1,714 nominations during this period, only 871 unique technologies are represented here because sponsors may nominate a technology more than once.

The columns are:

Year: The year of the most recent nomination for this technology.

Winner: The status of each nomination as an award-winning technology or a nominee.



**Nomination Sponsor:** The sponsor or sponsors of the nomination; generally, the name of the company, academic researcher (and institution), or other organization that developed the technology.

**Nominated Technology Title:** The title for the nominated technology as given by the sponsor. Each title is followed by a link to the associated summary page (for award-winning technologies) or abstract (for all other technologies).

**City:** The city given in the nomination; this is usually the city of the headquarters for a company or primary location of an academic institution, but may be the city of a plant or research facility. In a few cases, the city is that of a consultant who prepared the nomination.

**State (St.):** The state given in the nomination; as for the city of nomination, this may not represent the headquarters for a company or the primary location of an academic institution.

Also, download similar information about all nominated technologies as either:

1. a [Presidential Green Chemistry Challenge Nominations \(XLS\)](#)(2 pp, 3 MB) ([Download Excel Viewer](#)) [Exit](#)
2. a [Presidential Green Chemistry Challenge Nominations \(CSV\)](#)(1 pg, 2 MB)

## Nomination Table

Sort alphabetically or by year, use the search function, or both together.

To search, enter at least three characters in the box:

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1996	No	Advanced Micro Devices (AMD)	<a href="#">The Emission Quantification Model (abstract)</a>	Austin	TX
1996	No	Bayer Corporation	<a href="#">Aldimine-Isocyanate Chemistry: a Foundation for Environmentally-Friendly High Solids Coatings (abstract)</a>	Pittsburgh	PA
1996	Yes	Donlar Corporation	<a href="#">Production and Use of Thermal Polyaspartic Acid (summary)</a>	Bedford Park	IL
1996	Yes	Dow Chemical Company, The	<a href="#">100 Percent Carbon Dioxide as a Blowing Agent for the Polystyrene Foam Sheet Packaging Market (summary)</a>	Midland	MI
1996	No	Eastman Chemical Company	<a href="#">Water-Dispersible Sulfopolyester for Reduced VOC Consumer Products (abstract)</a>	Kingsport	TN
1996	No	GE Plastics (General Electric Corporation)	<a href="#">New Catalyst for Producing ULTEM® Thermoplastic Resin (abstract)</a>	Mt. Vernon	IN

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1996	Yes	Holtzapple, Mark; Texas A&M University	<a href="#"><u>Conversion of Waste Biomass to Animal Feed, Chemicals, and Fuels (summary)</u></a>	College Station	TX
1996	No	Hudlicky, Tomas; University of Florida	<a href="#"><u>Enzyme-Assisted Conversion of Aromatic Substances to Value-Added End Products. Exploration of Potential Routes to Biodegradable Materials and New Pharmaceuticals (abstract)</u></a>	Gainesville	FL
1996	No	Merck & Co., Inc.	<a href="#"><u>Waste Minimization in the Manufacture of an Antibiotic Produced by Chemical Synthesis (abstract)</u></a>	Whitehouse Station	NJ
1996	Yes	Monsanto Company	<a href="#"><u>Catalytic Dehydrogenation of Diethanolamine (summary)</u></a>	St. Louis	MO
1996	No	Recombinant BioCatalysis, Inc. (RBI)	<a href="#"><u>Development of a Biodiversity Search and Enzyme Optimization Technology (abstract)</u></a>	Sharon Hill	PA
1996	Yes	Rohm and Haas Company	<a href="#"><u>Designing an Environmentally Safe Marine Antifoulant (summary)</u></a>	Spring House	PA
1996	No	Stanson Corporation	<a href="#"><u>National Conversion to Low Sudsing Hand Dish Detergents for Industrial, Institutional, and Especially Consumer Application (abstract)</u></a>	S. Kearny	NJ
1996	No	Taylor, Larry T.; Virginia Tech and Virginia Tech Intellectual Properties	<a href="#"><u>A Nontoxic Liquid Metal Composition for Use as a Mercury Substitute (abstract)</u></a>	Blacksburg	VA
1996	No	Tremco, a BF Goodrich Company	<a href="#"><u>Automotive Windshield Adhesives (abstract)</u></a>	Akron	OH
1996	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>A Microwave Oven Dissolution Procedure for a Ten Gram Sample of Soil Requiring Radiochemical Analysis (abstract)</u></a>	Los Alamos	NM
1996	No	U.S. Department of Energy, Los Alamos National Laboratory; Phillips, Jonathan; Pennsylvania State University	<a href="#"><u>Two-Stage Catalyst for NO<sub>x</sub> Reduction, CO Oxidation, and Hydrocarbon Combustion in Oxygen Containing Exhaust Mixtures (abstract)</u></a>	Washington	DC
1996	No	U.S. Department of Energy, Office of Industrial Technologies Programs	<a href="#"><u>The Alternative Feedstocks and Biological and Chemical Technologies Research Programs (abstract)</u></a>	Washington	DC
1997	Yes	Albright & Wilson Americas	<a href="#"><u>THPS Biocides: A New Class of Antimicrobial Chemistry (summary)</u></a>	Ashland	VA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1997	No	Alliance for Environmental Technology (AET)	<a href="#">The Use of Chlorine Oxide, the Foundation of Elemental Chlorine-Free Bleaching for Pulp and Paper, as a Pollution Prevention Process (abstract)</a>	Washington	DC
1997	No	Altus Biologics Inc.	<a href="#">Cross-Linked Enzyme Crystals (CLECs) as Robust and Broadly Applicable Industrial Catalysts (abstract)</a>	Cambridge	MA
1997	No	American Chemical Corporation	<a href="#">Utilization of High Performance, Environmentally Compliant Chemicals: GREEN LINE Adhesive, Sealant, and Coating Technologies (abstract)</a>	Washington	DC
1997	No	Anderson, Marc A.; University of Wisconsin-Madison	<a href="#">Green Technology for the 21st Century: Microporous Ceramics (abstract)</a>	Madison	WI
1997	No	Benchmark Products, Inc.	<a href="#">Development of a Nickel Brightener Solution (abstract)</a>	Indianapolis	IN
1997	Yes	BHC Company (Hoechst Celanese)	<a href="#">BHC Company Ibuprofen Process (summary)</a>	Dallas	TX
1997	No	Circuit Research Corporation	<a href="#">A Nontoxic, Nonflammable, Aqueous-Based Cleaner/Degreaser and Associated Parts Washing Systems Commonly Employed in the Automotive Repair Industry (abstract)</a>	Delano	MN
1997	Yes	DeSimone, Joseph M.; University of North Carolina at Chapel Hill (UNC) and North Carolina State University (NCSU)	<a href="#">Design and Application of Surfactants for Carbon Dioxide (summary)</a>	Chapel Hill	NC
1997	No	Dow Chemical Company, The	<a href="#">INVERT™ Solvents in Aircraft Paint Stripping (abstract)</a>	Midland	MI
1997	No	Dumesic, James A.; University of Wisconsin-Madison	<a href="#">Rational Design of Catalytic Reactions for Pollution Prevention (abstract)</a>	Madison	WI
1997	No	DuPont Company	<a href="#">The DUCARE 'Zero Effluent' Recycle Chemistry System (abstract)</a>	Wilmington	DE
1997	No	Eastman Chemical Company	<a href="#">Biodegradable Copolyester (abstract)</a>	Kingsport	TN
1997	No	Eastman Chemical Company	<a href="#">Biofiltration Technology (abstract)</a>	Kingsport	TN
1997	No	Eastman Chemical Company	<a href="#">Water-Dispersible Hot-Melt Adhesive Raw Material (abstract)</a>	Kingsport	TN

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1997	No	Gross, Richard A.; University of Massachusetts Lowell	<a href="#">Biotechnological Routes to 'Tailored' Polymeric Products of Environmental and Industrial Importance (abstract)</a>	Lowell	MA
1997	No	Hatton, T. Alan; Massachusetts Institute of Technology	<a href="#">Derivatized and Polymeric Solvents for Minimizing Pollution During the Synthesis of Pharmaceuticals (abstract)</a>	Cambridge	MA
1997	No	Henkel Corporation	<a href="#">Alkyl Polyglycoside Surfactants (abstract)</a>	Ambler	PA
1997	No	Hughes Environmental Systems, Inc.	<a href="#">DryWash™ Carbon Dioxide Dry Cleaning Technology (abstract)</a>	El Segundo	CA
1997	No	IBM-Austin	<a href="#">Elimination of Ozone-Depleting Chemicals in the Printed Wire Board and Electronic Assembly and Test Processes (abstract)</a>	Austin	TX
1997	No	IBM-Austin	<a href="#">Innovative Techniques for Chemical and Waste Reductions in the Printed Wire Board Circuitize Process (abstract)</a>	Austin	TX
1997	Yes	Imation™ Corporation	<a href="#">DryView™ Imaging Systems (summary)</a>	Oakdale	MN
1997	No	King, Charles M.; University of Georgia	<a href="#">Biomimetic Transition Metal Complexes for Homogeneous Catalytic Reductive Dechlorination of the PCBs/One-Step Extraction- Detoxification in Subcritical and Supercritical Fluids (abstract)</a>	Athens	GA
1997	No	Klenzoid, Inc.	<a href="#">Zero Discharge System For Cooling Towers (abstract)</a>	Conshohocken	PA
1997	Yes	Legacy Systems, Inc.	<a href="#">Coldstrip™, A Revolutionary Organic Removal and Wet Cleaning Technology (summary)</a>	Fremont	CA
1997	No	Materials Technology Limited	<a href="#">SuperC™, The Use of Supercritical Carbon Dioxide (abstract)</a>	Reno	NV
1997	No	Molten Metal Technology, Inc.	<a href="#">Catalytic Extraction Processing (CEP) (abstract)</a>	Waltham	MA
1997	No	Monsanto Company	<a href="#">Roundup Ready™ Technology (abstract)</a>	St. Louis	MO
1997	No	Sandoz Pharmaceutical Corporation	<a href="#">A New Process for the Manufacture of Pharmaceuticals (abstract)</a>	East Hanover	NJ
1997	No	Shaw, Henry; New Jersey Institute of Technology (NJIT)	<a href="#">The Replacement of Hazardous Organic Solvents with Water in the Manufacture of Chemicals and Pharmaceuticals (abstract)</a>	Newark	NJ

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1997	No	Technic, Inc.	<a href="#">Noncyanide Silver Electroplating (abstract)</a>	Providence	RI
1997	No	Texaco, Inc.	<a href="#">CleanSystem<sup>3</sup> Gasoline (abstract)</a>	White Plains	NY
1997	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Application of Green Chemistry Principles to Eliminate Air Pollution From the Mexican Brickmaking Microindustry (abstract)</a>	Los Alamos	CA
1997	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Solvent Replacement and Improved Selectivity in Asymmetric Catalysis Using Supercritical Carbon Dioxide (abstract)</a>	Los Alamos	NM
1997	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">DOE Methods for Evaluating Environmental and Waste Management Samples (abstract)</a>	Richland	WA
1998	No	AlliedSignal Federal Manufacturing and Technologies	<a href="#">Synergy CCS<sup>TM</sup> Precision Cleaning Solvent: A Government/Industry Solution to a Complex Environmental Problem (abstract)</a>	Kansas City	MO
1998	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">Design of CO<sub>2</sub>-Soluble Ligands for Affinity Extraction Using CO<sub>2</sub> (abstract)</a>	Pittsburgh	PA
1998	No	CTS Corporation Resistor Networks	<a href="#">No-Clean Soldering (abstract)</a>	Berne	IN
1998	No	Doherty, Michael F.; Malone, Michael F.; University of Massachusetts, Amherst	<a href="#">Reactive Distillation Technology to Reduce Waste at the Source (abstract)</a>	Amherst	MA
1998	Yes	Draths, Karen M. and Frost, John W.; Michigan State University	<a href="#">Use of Microbes as Environmentally Benign Synthetic Catalysts (summary)</a>	East Lansing	MI
1998	No	DuPont Company	<a href="#">NAFION Membrane Technology (abstract)</a>	Wilmington	DE
1998	No	DuPont Company	<a href="#">The INFINITY Process (abstract)</a>	Wilmington	DE
1998	No	DuPont Polyester	<a href="#">DuPont Petretec(SM) Polyester Regeneration Technology - Making Polyester Evergreen (abstract)</a>	Wilmington	DE
1998	No	E. I. DuPont de Nemours & Co., Inc.	<a href="#">Zero Effluent Photographic Processing in the Printing Industry (abstract)</a>	Wilmington	DE
1998	No	Eastman Kodak Company	<a href="#">Polycarbonate/Polydimethylsiloxane Copolymers for Thermal Print Media (abstract)</a>	Rochester	NY

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1998	No	Eastman Kodak Company	<a href="#">Replacement of Methanol Solutions with Aqueous Dispersions in Photographic Coatings (abstract)</a>	Rochester	NY
1998	No	Eli Lilly and Company	<a href="#">Waste Reduction During Development of a New Process for Manufacture of Pharmaceutical Products (abstract)</a>	Indianapolis	IN
1998	Yes	Flexsys America L.P.	<a href="#">Elimination of Chlorine in the Synthesis of 4-Aminodiphenylamine: A New Process That Utilizes Nucleophilic Aromatic Substitution for Hydrogen (summary)</a>	Akron	OH
1998	No	Govind, Rakesh; University of Cincinnati	<a href="#">Bioconversion of Carbon Dioxide into Organic Feedstocks (abstract)</a>	Cincinnati	OH
1998	No	Hendrickson, James B.; Brandeis University	<a href="#">The SYNGEN Program for Generation of Alternative Syntheses (abstract)</a>	Waltham	MA
1998	No	Lockheed Martin Tactical Aircraft Systems	<a href="#">Development and Implementation of Low Vapor Pressure Cleaning Solvent Blends (abstract)</a>	Fort Worth	TX
1998	No	Lockheed Martin Tactical Aircraft Systems (LMTAS)	<a href="#">Implementation and Verification of Aqueous Alkaline Cleaners (abstract)</a>	Fort Worth	TX
1998	No	MEMC Electronic Materials, Inc.	<a href="#">Elimination of Ozone-Depleting Chemicals Through the Use of a Water Soluble Adhesive "Green Wax" (abstract)</a>	St. Peters	MO
1998	No	Mobil Technology Company	<a href="#">Production of Cumene with Zeolite Catalyst--The Mobil/Badger Cumene Process (abstract)</a>	Paulsboro	NJ
1998	No	NICCA U.S.A., Inc.	<a href="#">Heavy Metals Free, Non-Formaldehyde Fixing Agent for Direct and Fiber Reactive Dyes (abstract)</a>	Fountain Inn	SC
1998	No	Nortel Technology	<a href="#">Molyphos: A Chromate-Free Alternative for Corrosion Protection of Metal Parts (abstract)</a>	Raleigh	NC
1998	No	Pharmacia and Upjohn, Inc.	<a href="#">Environmental Improvements from Redesigning the Commercial Manufacture of Progesterone (abstract)</a>	Kalamazoo	MI
1998	No	Phillips Petroleum Company	<a href="#">Reduced Volatility Alkylation Process (abstract)</a>	Bartlesville	OK
1998	No	Praxair, Inc.	<a href="#">Liquid Oxidation Reactor (LOR) (abstract)</a>	Danbury	CT
1998	Yes	Pyrocool Technologies, Inc.	<a href="#">Technology for the Third Millennium: The Development and Commercial Introduction of an Environmentally</a>	Lynchburg	VA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1998	No	Rochester Midland Corporation	<a href="#">Responsible Fire Extinguishment and Cooling Agent (summary)</a> <a href="#">Core Line of Cleaning Products (abstract)</a>	Rochester	NY
1998	Yes	Rohm and Haas Company	<a href="#">Invention and Commercialization of a New Chemical Family of Insecticides Exemplified by CONFIRM™ Selective Caterpillar Control Agent and the Related Selective Insect Control Agents MACH 2™ and INTREPID™ (summary)</a>	Philadelphia	PA
1998	No	Rybarczyk, James P.; Ball State University	<a href="#">Premature Degradation of Coolant Oil in the Machining of Magnesium in the Automobile Industry (abstract)</a>	Muncie	IN
1998	No	Stepan Company	<a href="#">Stepanfoam Water-Blown Polyurethane Foam HCFC-Free, Environmentally Friendly, Rigid Polyurethane Foam (abstract)</a>	Northfield	IL
1998	Yes	Trost, Barry M.; Stanford University	<a href="#">The Development of the Concept of Atom Economy (summary)</a>	Stanford	CA
1998	No	U.S. Department of Agriculture, Agricultural Research Service, Northwest Irrigation and Soils Research Laboratory	<a href="#">Polyacrylamide Technology Reduces Soil Erosion (abstract)</a>	Kimberly	ID
1998	No	U.S. Department of Defense, Office of Munitions; U.S. Department of Energy, Weapons Supported Research; Lawrence Livermore National Laboratory	<a href="#">Environmentally-Driven Preparation of Insensitive Energetic Materials (abstract)</a>	Livermore	CA
1998	Yes	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Novel Membrane-Based Process for Producing Lactate Esters – Nontoxic Replacements for Halogenated and Toxic Solvents (summary)</a>	Argonne	IL
1998	No	U.S. Department of the Navy, Office of Naval Research; U.S. Department of the Navy, Naval Surface Warfare Center; DeSimone, Joseph, University of	<a href="#">Use of Carbon Dioxide as an Alternative Green Solvent for the Synthesis of Energetic Thermoplastic Elastomers (abstract)</a>	Arlington	VA



Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1998	No	North Carolina; Aerojet Propulsion U.S. Department of the Navy, Office of Naval Research; U.S. Department of the Navy, Naval Surface Warfare Center; U.S. Army Armament Research, Development and Engineering Center; U.S. Department of Energy, Los Alamos National Laboratory; Aerojet	<a href="#">Waste Reduction in the Production of an Energetic Material by Development of an Alternative Synthesis (abstract)</a>	Arlington	VA
1998	No	Union Camp Corporation	<a href="#">C-FREE™ Pulp Ozone Bleaching Project (abstract)</a>	Franklin	VA
1999	No	ABB Power T&D Company Inc.	<a href="#">Fully Biodegradable Vegetable Oil-Based Electrical Insulating Fluid (BIOTEMP™) (abstract)</a>	Raleigh	NC
1999	No	Akzo Nobel Business Unit Base Chemicals	<a href="#">A Durable Hydrodechlorination Catalyst for Selective Conversion of CCl4 to CHCl3 (abstract)</a>	Dobbs Ferry	NY
1999	No	Akzo Nobel Sub Business Unit Phosphorus Chemicals	<a href="#">Next Generation Fire-Resistant Fluids (abstract)</a>	Dobbs Ferry	NY
1999	No	American Society for Testing & Materials (ASTM)	<a href="#">Analysis of Liquid Hazardous Waste for Heavy Metals by Energy-Dispersive X-ray Fluorescence (EDXRF) Spectrometry (abstract)</a>	West Conshohocken	PA
1999	No	Antia, Jimmy E.; Govind, Rakesh; University of Cincinnati	<a href="#">Novel In-Situ Zeolite Coatings in Monoliths (abstract)</a>	Cincinnati	OH
1999	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">Metal Extraction and Recovery Using Carbon Dioxide (abstract)</a>	Pittsburgh	PA
1999	Yes	Biofine, Incorporated	<a href="#">Conversion of Low-Cost Biomass Wastes to Levulinic Acid and Derivatives (summary)</a>	Waltham	MA
1999	Yes	Collins, Terry; Carnegie Mellon University	<a href="#">TAM™ Oxidant Activators: General Activation of Hydrogen Peroxide for Green Oxidation Technologies (summary)</a>	Pittsburgh	PA
1999	No	Cussler, E.L.; University of Minnesota	<a href="#">Pollution Preventing Lithographic Inks (abstract)</a>	Minneapolis	MN
1999	Yes	Dow AgroSciences LLC	<a href="#">Spinosad: A New Natural Product for Insect Control (summary)</a>	Indianapolis	IN

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
1999	No	Dow Corning Corporation	<a href="#">New Technology Converts Waste to Valuable Intermediates (abstract)</a>	Carrollton	KY
1999	No	Dow Corning Corporation	<a href="#">Volatile Methyl Siloxanes: Environmentally Sound Solvent Systems (abstract)</a>	Midland	MI
1999	No	DuPont Company	<a href="#">Reduction of Carbon Tetrachloride Emissions at the Source by the Development of a New Catalyst (abstract)</a>	Wilmington	DE
1999	No	Geon Company, The	<a href="#">Increased Utilization of Raw Materials in the Production of Vinyl Chloride Monomer (abstract)</a>	Avon Lake	OH
1999	No	Harrell, J.W.; Lane, Allan M.; Jefcoat, I.A.; Nikles, David E.; The University of Alabama	<a href="#">Waterborne Coating Formulations for Video Tape Manufacture (abstract)</a>	Tuscaloosa	AL
1999	No	Hauser, Inc.	<a href="#">Paclitaxel Process Improvements (abstract)</a>	Boulder	CO
1999	No	IBM Corporation, T.J. Watson Research Center	<a href="#">Green Card: A Biopolymer-Based and Environmentally Conscious Printed Wiring Board Technology (abstract)</a>	Yorktown Heights	NY
1999	No	Imation Corporation	<a href="#">Imation No Process Plates (abstract)</a>	Oakdale	MN
1999	No	IMC-Agrico Company	<a href="#">AGROTAIN® N-(n-butyl)Thiophosphoric Triamide (abstract)</a>	Bannockburn	IL
1999	No	International Metalizing Corporation	<a href="#">Non Toxic Antifouling (abstract)</a>	Pennsauken	NJ
1999	No	Khalili, Nasrin R.; Arastoopour, Hamid; Walhof, Laura; Illinois Institute of Technology	<a href="#">A Novel Waste Minimization Approach: Production of Carbon-Based Catalyst or Sorbent from Biosolids (abstract)</a>	Chicago	IL
1999	No	Ladisch, Michael R.; Purdue University	<a href="#">Biobased Adsorbents for Desiccant Coolers (abstract)</a>	West Lafayette	IN
1999	Yes	Lilly Research Laboratories	<a href="#">Practical Application of a Biocatalyst in Pharmaceutical Manufacturing (summary)</a>	Indianapolis	IN
1999	No	Lin, Chhiu-Tsu; Northern Illinois University	<a href="#">Chrome-Free Single-Step In-Situ Phosphatizing Coatings (abstract)</a>	DeKalb	IL
1999	No	M.A. Hanna Color - Technical Center	<a href="#">Reducing VOC Emissions by Eliminating Painting and Labeling Operations with a New Color Laser Marking System for Plastic Parts (abstract)</a>	Suwanee	GA

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1999	No	Mallinckrodt Inc.	<a href="#">The Removal of Oxides of Nitrogen by In Situ Addition of Hydrogen Peroxide to a Metal Dissolving Process (abstract)</a>	Chesterfield	MI
1999	No	Mathews, Alexander P.; Kansas State University	<a href="#">Waste Biomass Utilization in the Production of a Biodegradable Road Deicer (abstract)</a>	Manhattan	KS
1999	No	Monsanto Company	<a href="#">Metabolic Engineering of Crops for Commercial Production of Biodegradable Plastics (abstract)</a>	St. Louis	MO
1999	No	Nalco Chemical Company	<a href="#">Nalco Fuel Tech NO<sub>x</sub>OUT<sup>®</sup> Process (abstract)</a>	Naperville	IL
1999	No	Nalco Chemical Company	<a href="#">Nalco LAZON Technology (abstract)</a>	Naperville	IL
1999	No	Nalco Chemical Company	<a href="#">Nalco NALMET<sup>®</sup> Heavy Metal Removal Technology (abstract)</a>	Naperville	IL
1999	Yes	Nalco Chemical Company	<a href="#">The Development and Commercialization of ULTIMER<sup>®</sup>: The First of a New Family of Water-Soluble Polymer Dispersions (summary)</a>	Naperville	IL
1999	No	Nassaralla, Claudia Lage; Michigan Technological University	<a href="#">Waste Reduction and Recycling of Magnesite-Chrome Refractory into the Steelmaking Process (abstract)</a>	Houghton	MI
1999	No	Novon International	<a href="#">Natural Recycling of Plastics through Chemical and Biological Degradation (abstract)</a>	Tonawanda	NY
1999	No	Paquette, Leo A.; The Ohio State University	<a href="#">Environmental Advantages Offered by Indium-Promoted Carbon-Carbon Bond-Forming Reactions in Water (abstract)</a>	Columbus	OH
1999	No	Peretti, Steven W.; North Carolina State University	<a href="#">Biosynthetic Production of p-Hydroxybenzoate Improves Regiospecificity and Minimizes Byproduct Generation (abstract)</a>	Raleigh	NC
1999	No	Polaroid Corporation; Warner, John C.; University of Massachusetts Boston	<a href="#">Environmentally Benign Supramolecular Assemblies of Hydroquinones in Polaroid Instant Photography (abstract)</a>	Waltham	MA
1999	No	Radiance Services Company	<a href="#">The Radiance Process: A Quantum Leap in Green Chemistry (abstract)</a>	Bethesda	MD
1999	No	Raghavan, Dharmaraj; Howard University	<a href="#">Design of Rubberized Concrete from Recycled Rubber Tires (abstract)</a>	Washington	DC
1999	No	Raghavan, Dharmaraj; Howard University	<a href="#">Novel Applications of Polymer Composite from Renewable Materials (abstract)</a>	Washington	DC

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1999	No	Richard H. Fish, Lawrence Berkeley National Laboratory, University of California	<a href="#"><u>Fluorous Biphasic Catalysis: A New Paradigm for the Separation of Homogeneous Catalysts from Their Reaction Substrates and Products, as Demonstrated in Alkane and Alkene Oxidation Chemistry (abstract)</u></a>	Berkeley	CA
1999	No	Rogers, Robin D.; University of Alabama	<a href="#"><u>Green Separation Science and Technology: Using Environmentally Benign Polymers to Replace VOCs in Industrial Scale Liquid/Liquid or Chromatographic Separations (abstract)</u></a>	Tuscaloosa	AL
1999	No	Rowe, H. Alan; Norfolk State University	<a href="#"><u>New Reducing Sugar Assay (abstract)</u></a>	Norfolk	VA
1999	No	SaLUT Inc.	<a href="#"><u>Chemically Modified Crumb Rubber Asphalt (abstract)</u></a>	McLean	VA
1999	No	Sequa Chemicals, Inc.	<a href="#"><u>Starch Graft Polymers as Phenolic Resin Extenders (abstract)</u></a>	Chester	SC
1999	No	Singh, Mono M.; Szafran, Zvi; Pike, Ronald M.; Merrimack College	<a href="#"><u>National Microscale Chemistry Center: The Leader in Worldwide Implementation of Microscale Technology (abstract)</u></a>	North Andover	MA
1999	No	Solutia Inc.	<a href="#"><u>Greenhouse Gases: From Waste to Product (abstract)</u></a>	St. Louis	MO
1999	No	Solvent Kleene Inc.	<a href="#"><u>Non-Hazardous Degreaser that Degreases as Efficiently as Trichloroethane and Outperforms Aqueous Products (abstract)</u></a>	Peabody	MA
1999	No	Stepan Company	<a href="#"><u>Stepan Company PA Lites Polyester Polyol (abstract)</u></a>	Northfield	IL
1999	No	Stewart, Jon D.; University of Florida	<a href="#"><u>Engineered Baker's Yeast as a Means to Incorporate Biocatalysis Early in Process Design: Application to the Asymmetric Baeyer-Villiger Oxidation (abstract)</u></a>	Gainesville	FL
1999	No	Subramaniam, Bala; University of Kansas	<a href="#"><u>A Novel Solid-Acid Catalyzed 1-Butene/Isobutane Alkylation Process (abstract)</u></a>	Lawrence	KS
1999	No	Supratech Systems Inc.	<a href="#"><u>Water Washable Flexo Photopolymer Plate "Flexceed" and Washout System (abstract)</u></a>	Charlotte	NC
1999	No	Synovec, Robert E.; University of Washington	<a href="#"><u>Novel Chemical Analysis Technologies by Water Liquid Chromatography, Raman Spectroscopy, and High Speed Gas Chromatography (abstract)</u></a>	Seattle	WA

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1999	No	Synthon Corporation	<a href="#">Development and Commercialization of High-Value Chemical Intermediates From Starch and Lactose. (abstract)</a>	Lansing	MI
1999	No	Tektronix, Inc.	<a href="#">Designing Safer Chemicals: Spitfire Ink (abstract)</a>	Wilsonville	OR
1999	No	Thompson, Stephen; Colorado State University	<a href="#">Small Scale Chemistry: Pollution Prevention in Inorganic Chemistry Instruction Program (abstract)</a>	Fort Collins	CO
1999	No	U.S. Army, U.S. Army Armament Research, Development, & Engineering Center	<a href="#">Use of Solid Catalysts in Pollution Prevention in the Nitration of Aromatic Compounds (abstract)</a>	Picatinny Arsenal	NJ
1999	No	U.S. Department of Energy, Albany Research Center	<a href="#">Chloride Free Processing of Aluminum Scrap (abstract)</a>	Albany	OR
1999	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">Biocatalytic and Biomimetic Process for the Synthesis of Nitroaromatic Intermediates and Destruction of Nitrocompounds, Including Explosives (abstract)</a>	Richland	WA
1999	No	U.S. Department of the Treasury, Bureau of Engraving and Printing	<a href="#">ISOMET: Development of an Alternative Solvent (abstract)</a>	Washington	DC
1999	No	Union Carbide Corporation	<a href="#">Splittable Surfactants (abstract)</a>	Danbury	CT
1999	No	United States Postal Service	<a href="#">Environmentally Benign Pressure Sensitive Adhesive Program (abstract)</a>	Washington	DC
1999	No	Varma, Rajender S.; Sam Houston State University	<a href="#">Solvent-Free Chemical Synthesis (abstract)</a>	Huntsville	TX
1999	No	Viasystems Technology Corporation	<a href="#">Solder Waste Reduction Environmental Project (abstract)</a>	Richmond	VA
1999	No	Washington State Department of Ecology	<a href="#">Washington State Pollution Prevention, Health, and Safety Initiative in Academic Chemistry Laboratories (abstract)</a>	Spokane	WA
1999	No	Weimer, Alan W.; University of Colorado	<a href="#">Vibrating Fluidized Bed Combustion Nitridation Processing Using Concentrated Solar Energy (abstract)</a>	Boulder	CO
1999	No	Zyvax Incorporated	<a href="#">The Zyvox "Watershield" Mold Release (abstract)</a>	Boca Raton	FL
2000	No	3M Center	<a href="#">Hydrofluoroethers (HFEs)—The Right Balance of Properties (abstract)</a>	St. Paul	MN
2000	No	Albright & Wilson Americas, Inc.	<a href="#">A New Environmentally Friendly Corrosion Inhibitor (abstract)</a>	Glen Allen	VA

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2000	No	AMSOIL Incorporated	<a href="#">Waste Oil Source Reduction Through Extended Oil Service Life (abstract)</a>	Superior	WI
2000	No	Arkenol Holdings, L.L.C.	<a href="#">Sugars from Lignocellulosic Materials for the Production of Bio-Based Fuels and Chemicals (abstract)</a>	Mission Viejo	CA
2000	No	BAT Technologies Inc.	<a href="#">Primer for Anti-Fouling Paint (abstract)</a>	New Rochelle	NY
2000	Yes	Bayer Corporation; Bayer AG (Germany)	<a href="#">Two-Component Waterborne Polyurethane Coatings (summary)</a>	Pittsburgh	PA
2000	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">Catalysts for the Copolymerization of Carbon Dioxide and Cyclic Ethers (abstract)</a>	Pittsburgh	PA
2000	No	Bergbreiter, David E.; Texas A&M University	<a href="#">The Use of Soluble Polymers to Recover Catalysts and to Control Catalytic Reactions (abstract)</a>	College Station	TX
2000	No	BetzDearborn, Inc.	<a href="#">Designing an Environmentally Friendly Copper Corrosion Inhibitor for Cooling Systems (abstract)</a>	Trevose	PA
2000	No	BIOCORP, Inc.	<a href="#">Biodegradable Thermoplastic Material (Mater-Bi™) (abstract)</a>	Redondo Beach	CA
2000	No	Brennecke, Joan F.; University of Notre Dame; Beckman, Eric J.; University of Pittsburgh	<a href="#">Ionic Liquid/CO<sub>2</sub> Biphasic Systems: New Media for Green Processing (abstract)</a>	Notre Dame	IN
2000	No	Center for Forest Products Research, Inc.	<a href="#">Polymers and Plastics from Lignin Biomass (abstract)</a>	Albuquerque	NM
2000	No	CerOx Corporation	<a href="#">The CerOx Process: A Non-Thermal Alternative for Hazardous Waste Destruction (abstract)</a>	Sunnyvale	CA
2000	No	Chemecol, LLC	<a href="#">PVC Alternative Technology (abstract)</a>	Cornelius	NC
2000	No	Ciba Specialty Chemicals Corporation	<a href="#">Ashless Friction Modifier/Antioxidant for Lubricants (abstract)</a>	Tarrytown	NY
2000	No	Ciba Specialty Chemicals Corporation	<a href="#">New Organic Corrosion Inhibitors Help Replace Toxic Heavy Metals and Reduce Solvent Emissions (abstract)</a>	Tarrytown	NY
2000	Yes	Dow AgroSciences LLC	<a href="#">Sentricon™ Termite Colony Elimination System, A New Paradigm for Termite Control (summary)</a>	Indianapolis	IN
2000	No	Eastman Kodak Company	<a href="#">Minimizing Environmental Emissions by Using Different Solvents in Manufacturing Processes (abstract)</a>	Rochester	NY
2000	No	Eka Chemicals, Inc.	<a href="#">SVP-Pure™ ClO<sub>2</sub> Process Technology (abstract)</a>	Marietta	GA

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2000	No	Environmental Technology and Education Center, Inc. (ETEC)	<a href="#">High Energy Efficiency, Environmentally Friendly Refrigerants (abstract)</a>	Albuquerque	NM
2000	No	Freeman, Harold S.; North Carolina State University	<a href="#">Synthetic Dyes Based on Toxicological Considerations (abstract)</a>	Raleigh	NC
2000	No	H and H Associates, Inc.	<a href="#">DUAL-ICE®: A Non-Toxic, Non-Caustic Instant Cold Compress (abstract)</a>	Bena	VA
2000	No	Ho, Nancy W. Y.; Purdue University	<a href="#">Genetic Engineering of Saccharomyces Yeasts for Effective Production of Ethanol and Other Green Chemicals from Renewable Cellulosic Biomass (abstract)</a>	West Lafayette	IN
2000	No	IBM Research Division, Almaden Research Center	<a href="#">The Chemical Kinetics Simulator Program (abstract)</a>	San Jose	CA
2000	No	IonEdge Corporation	<a href="#">Zero-Waste Dry Plating of Cadmium (abstract)</a>	Fort Collins	CO
2000	No	KM Limited Inc.	<a href="#">The PIX Module Software: Combining Life Cycle Assessment with Activity-Based Costing to Reduce Global Environmental Impact and Sustain Industrial Profitability (abstract)</a>	Virginia Beach	VA
2000	No	Knipple, Douglas C.; Cornell University	<a href="#">In Vivo Synthesis of Lepidopteran Pheromone Precursors in Saccharomyces Cereviseae: An Economical Process for the Production of Effective, Nontoxic, Environmentally Safe Insect Control Products (abstract)</a>	Geneva	NY
2000	No	Lubrizol Corporation, The	<a href="#">Durable AMPS® Antimist Polymers for Aqueous Metalworking Fluids (abstract)</a>	Wickliffe	OH
2000	No	Lynd, Lee R.; Dartmouth College	<a href="#">Overcoming the Recalcitrance of Cellulosic Biomass and Envisioning the Role of Biomass in a Sustainable World (abstract)</a>	Hanover	NH
2000	No	Mallinckrodt Baker Inc.	<a href="#">Hydrogen Sulfide Elimination (abstract)</a>	Phillipsburg	NJ
2000	No	Micell Technologies	<a href="#">The MICARE Liquid CO<sub>2</sub> Dry Cleaning Process (abstract)</a>	Raleigh	NC
2000	No	Mobil Oil Corporation	<a href="#">Membrane Separation in Solvent Lube Dewaxing (abstract)</a>	Fairfax	VA



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2000	No	Morton International, Inc.	<a href="#"><u>ADVAFLEX™ Organic Stabilizer (abstract)</u></a>	Cincinnati	OH
2000	Yes	RevTech, Inc.	<a href="#"><u>Envirogluv™: A Technology for Decorating Glass and Ceramicware with Radiation-Curable, Environmentally Compliant Inks (summary)</u></a>	Edison	NJ
2000	No	Robbat, Jr., Albert; Tufts University	<a href="#"><u>Cheminformatics: Faster, Better, Cheaper Chemical Analysis Software (abstract)</u></a>	Medford	MA
2000	No	Robbat, Jr., Albert; Tufts University	<a href="#"><u>On-line Detection of Subsurface Pollutants by Thermal Extraction Cone Penetrometry-Thermal Desorption Gas Chromatography/Mass Spectrometry (abstract)</u></a>	Medford	MA
2000	Yes	Roche Colorado Corporation	<a href="#"><u>An Efficient Process for the Production of Cytovene, a Potent Antiviral Agent (summary)</u></a>	Boulder	CO
2000	No	Solvax Manufacturing Company	<a href="#"><u>Solvax Special 5501, an Anti-agglomerate and Stickies Neutralizer for the Paper Industry (abstract)</u></a>	Milwaukee	WI
2000	No	Tanko, James M.; Virginia Polytechnic Institute and State University	<a href="#"><u>Green Chemistry Through the Use of Supercritical Fluids and Free Radicals (abstract)</u></a>	Blacksburg	VA
2000	No	TechMatch, Incorporated	<a href="#"><u>N-Methylmorpholine-N-Oxide (NMMO): A Novel, Non-toxic, Reusable Solvent for Cellulose as Source Reduction in the Production of Textile Fibers (abstract)</u></a>	Saint Paul	MN
2000	No	U.S. Army, U.S. Army Edgewood Research, Development, and Engineering Center	<a href="#"><u>Filter Leak Test Using Ozone-Benign Substances (abstract)</u></a>	Aberdeen Proving Ground	MD
2000	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#"><u>Clean Diesel Breakthrough: Simultaneous Decrease in Emissions of Both Particulates and Oxides of Nitrogen During Combustion (abstract)</u></a>	Argonne	IL
2000	No	U.S. Environmental Protection Agency, National Risk Management Research Laboratory	<a href="#"><u>Oxygenation of Hydrocarbons by Photocatalysis: A Green Alternative (abstract)</u></a>	Cincinnati	OH
2000	Yes	Wong, Chi-Huey; The Scripps Research Institute	<a href="#"><u>Enzymes in Large-Scale Organic Synthesis (summary)</u></a>	La Jolla	CA

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2001	No	Anderson Chemical Company	<a href="#">Total Impact Program - An Environmentally Preferable Program for Laundry (abstract)</a>	Litchfield	MN
2001	No	Aspen Systems, Inc.	<a href="#">Genetic Enhancement of an Anti-Freeze Protein (abstract)</a>	Marlboro	MA
2001	Yes	Bayer Corporation; Bayer AG (Germany)	<a href="#">Baypure™ CX (Sodium Iminodisuccinate): An Environmentally Friendly and Readily Biodegradable Chelating Agent (summary)</a>	Pittsburgh	PA
2001	No	Burlington Chemical Company, Inc.	<a href="#">Development of a Practical Model and Process to Systematically Reduce the Environmental Impact of Chemicals Utilized by the Textile and Related Industries (abstract)</a>	Burlington	NC
2001	No	CDTech	<a href="#">A New Process for Producing Dimethyl Carbonate (abstract)</a>	Pasadena	TX
2001	No	ChemNova Technologies, Inc.	<a href="#">Chrome-free Single-step In-situ Phosphatizing Coatings: Anti-fingerprint Coatings on Galvanized Steel (abstract)</a>	DeKalb	IL
2001	No	Clearmate, Inc.	<a href="#">ClearMate (abstract)</a>	Minneapolis	MN
2001	No	DeCopier Technologies, Inc.	<a href="#">Advanced, Ecologically Safe De-inking Technology to Recover High Quality Pulp from Secondary Fibers/or Recyclable Waste (abstract)</a>	Lawrence	MA
2001	No	DuPont Crop Protection	<a href="#">Biocatalytic Production of 5-Cyanovaleramide (abstract)</a>	Wilmington	DE
2001	No	Dynacs Engineering Co., Inc.	<a href="#">Oxidizer Scrubber Project (abstract)</a>	Kennedy Space Center	FL
2001	No	E. I. DuPont de Nemours & Co., Inc.	<a href="#">New Generation Adiponitrile Technology (abstract)</a>	Wilmington	DE
2001	Yes	EDEN Bioscience Corporation	<a href="#">Messenger®: A Green Chemistry Revolution in Plant Production and Food Safety (summary)</a>	Bothell	WA
2001	No	Evergreen Nylon Recycling LLC	<a href="#">Innovative Green Chemistry for Sustainable Manufacture of Caprolactam (abstract)</a>	Augusta	GA
2001	No	Huntsman Polyurethanes	<a href="#">Equipment Flushing Agent for the Polyurethane Industry (abstract)</a>	West Deptford	NJ
2001	No	IBM Burlington (IBM Microelectronics Division)	<a href="#">Solvent Waste Reduction Via An Acetic Acid Bowl Cleaning Process (abstract)</a>	Essex Junction	VT

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2001	Yes	Li, Chao-Jun; Tulane University	<a href="#">Quasi-Nature Catalysis: Developing Transition Metal Catalysis in Air and Water (summary)</a>	New Orleans	LA
2001	No	Mitzel, Thomas; Trinity College	<a href="#">Formation of Ene-Diyne Molecules Under Indium Mediated Aqueous Barbier-Conditors (abstract)</a>	Hartford	CT
2001	No	Motorola Corporation; ULVAC Technologies, Inc.	<a href="#">Eliminating Solvents from Silicon Wafer Manufacturing (abstract)</a>	Austin	TX
2001	No	Nextec Applications, Inc.	<a href="#">Solventless Process for Improving Fabric Performance Properties (abstract)</a>	Vista	CA
2001	No	Northrup-Grumman	<a href="#">Non-Destructive Testing of Corrosion Under Coatings (abstract)</a>	Bethpage	NY
2001	Yes	Novozymes North America, Inc.	<a href="#">BioPreparation™ of Cotton Textiles: A Cost-Effective, Environmentally Compatible Preparation Process (summary)</a>	Franklinton	NC
2001	Yes	PPG Industries	<a href="#">Yttrium as a Lead Substitute in Cationic Electrodeposition Coatings (summary)</a>	Pittsburgh	PA
2001	No	PPG Industries, Inc.	<a href="#">Replacement of Asbestos in the Diaphragm Cell Process for Manufacture of Chlorine and Caustic Soda (abstract)</a>	Monroeville	PA
2001	No	QuesTek Innovations, LLC	<a href="#">Computational Design of Corrosion Resistant Steels for Structural Applications In Aircraft (abstract)</a>	Evanston	IL
2001	No	Rochester Midland Corporation	<a href="#">Development of an Effective, Coordinated Family of Safe, Green Cleaning and Maintenance Products (abstract)</a>	Rochester	NY
2001	No	U.S. Air Force, Air Force Research Laboratory	<a href="#">Sol-Gel Technology for Low-VOC, Non-Chromated Adhesive &amp; Sealant Applications (abstract)</a>	Wright Patterson AFB	OH
2001	No	U.S. Air Force, Air Force Research Laboratory	<a href="#">Replacement Non-Toxic Sealants for Standard Chromated Sealants and Repair (abstract)</a>	Wright Patterson AFB	OH
2001	No	U.S. Army, TACOM-ARDEC - Picatinny Arsenal, NJ	<a href="#">Primerless RTV Silicone Sealants/Adhesives (abstract)</a>	Picatinny Arsenal	NJ
2001	No	U.S. Army, U.S. Army Armament Research, Development, and Engineering Center	<a href="#">Low VOC Chemical Agent Resistance Coatings (abstract)</a>	Picatinny Arsenal	NJ

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2001	No	U.S. Army, U.S. Army Research Laboratory	<a href="#"><u>Non-Polluting Composites Remanufacturing and Repair for Military Applications (abstract)</u></a>	Aberdeen Proving Ground	MD
2001	No	U.S. Army, U.S. Army Research Laboratory - Aberdeen Proving Ground, MD	<a href="#"><u>Recycling Propellants in Non-Polluting Supercritical Fluids: Novel Computational Chemistry Models for Predicting Effective Solvents (abstract)</u></a>	Aberdeen Proving Ground	MD
2001	No	U.S. Department of Agriculture, National Center for Agricultural Utilization Research	<a href="#"><u>Environmentally Benign Synthesis of Monoglyceride Mixtures Coupled With Enrichment by Supercritical Fluid Fractionation (abstract)</u></a>	Peoria	IL
2001	No	U.S. Department of Agriculture, National Center for Agricultural Utilization Research	<a href="#"><u>Vegetable Oil Based Printing Inks and Their Environmental Advantages (abstract)</u></a>	Peoria	IN
2001	No	U.S. Environmental Protection Agency, National Risk Management Research Laboratory	<a href="#"><u>Paris II Solvent Design Software (abstract)</u></a>	Cincinnati	OH
2002	No	AEGEANS, Inc.	<a href="#"><u>Tasphox Water Treatment System (abstract)</u></a>	Harrisburg	PA
2002	No	Air Products and Chemicals, Inc.	<a href="#"><u>DEOXO-FLUOR™ Reagent (abstract)</u></a>	Allentown	PA
2002	No	Applied CarboChemicals, Inc.	<a href="#"><u>Bioderived Succinic Acid as a Platform for a Carbohydrate Chemistry (abstract)</u></a>	Alto	MI
2002	Yes	Beckman, Eric J.; University of Pittsburgh	<a href="#"><u>Design of Non-Fluorous, Highly CO<sub>2</sub>-Soluble Materials (summary)</u></a>	Pittsburgh	PA
2002	No	Bristol-Myers Squibb Company	<a href="#"><u>The Process Greenness Scorecard: Design for Environmental Health and Safety Through Green Chemistry (abstract)</u></a>	New York	NY
2002	Yes	Cargill Dow LLC	<a href="#"><u>NatureWorks™ PLA Process (summary)</u></a>	Minnetonka	MN
2002	Yes	Chemical Specialties, Inc. (CSI)	<a href="#"><u>ACQ Preserve®: The Environmentally Advanced Wood Preservative (summary)</u></a>	Charlotte	NC
2002	No	ChitinWorks America; Payne, Gregory F.; University of Maryland Biotechnology Institute	<a href="#"><u>Industry-University-Government Partnership for Converting Regional Wastes into Chemical Products (abstract)</u></a>	College Park	MD
2002	No	Crisp, John N.; University of New Orleans Lakefront Campus	<a href="#"><u>An Innovative Replacement for Chromium for Aluminum Coatings (abstract)</u></a>	New Orleans	LA

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2002	No	Donohue, Marc; Johns Hopkins University	<a href="#"><u>Supercritical Fluid Spray Application Process for Adhesives and Primers (abstract)</u></a>	Baltimore	MD
2002	No	Dordick, Jonathan S.; Rensselaer Polytechnic Institute	<a href="#"><u>Development of Extraordinarily Active Biocatalysts for Highly Selective and Efficient Synthesis of Chemicals and Pharmaceuticals (abstract)</u></a>	Troy	NY
2002	No	DynynStyl Inc.	<a href="#"><u>EcoFuel - A Safe and Effective Canned Heat Alternative (abstract)</u></a>	Lake Worth	FL
2002	No	EarthShell Corporation	<a href="#"><u>EarthShell Packaging: Designed with the Environment in Mind (abstract)</u></a>	Lutherville	MD
2002	No	EPI Environmental Plastics Inc.	<a href="#"><u>Totally Degradable Plastic Additives (TDPA™) (abstract)</u></a>	Conroe	TX
2002	No	Evans Cooling Systems, Inc.	<a href="#"><u>The EVANS DE-TOX™ Process for the Detoxification of Ethylene Glycol (abstract)</u></a>	Sharon	CT
2002	No	ExxonMobil Chemical	<a href="#"><u>Development of Two Unique Processes for Manufacturing High-Purity Cyclopentane from Dicyclopentadiene (abstract)</u></a>	Baytown	TX
2002	No	Farris, Richard J.; University of Massachusetts Amherst	<a href="#"><u>Recycling of Cross-Linked Materials Via "High-Pressure High-Temperature Sintering": Redefining Thermosets (abstract)</u></a>	Amherst	MA
2002	No	GE Plastics	<a href="#"><u>Recovery and Beneficial Use of Sodium Nitrite from a Wastewater Stream (abstract)</u></a>	Mount Vernon	IN
2002	No	Henkel Surface Technologies	<a href="#"><u>Water-Based Synthesis and Purification of Mannich Base Modified Polyphenols (abstract)</u></a>	Madison Heights	MI
2002	No	Hill, Craig L.; Emory University; Weinstock, Ira A.; U.S. Department of Agriculture Forest Service, Forest Products Laboratory	<a href="#"><u>Effluent-Free and Selective Delignification Using Only Oxygen and Water (abstract)</u></a>	Atlanta	GA
2002	No	Hudlicky, Tomas; University of Florida	<a href="#"><u>Tandem Enzymatic-Electrochemical Methods for Green Manufacturing: Efficient Synthesis of Pharmaceuticals from Halogenated Aromatic Waste (abstract)</u></a>	Gainesville	FL
2002	No	Hybrid Plastics	<a href="#"><u>A Green Revolution with Nanostructured™ Chemicals (abstract)</u></a>	Fountain Valley	CA
2002	No	Itronics Metallurgical, Inc.	<a href="#"><u>Fertilizer From Photowaste (abstract)</u></a>	Reno	NV

<b>Year</b>	<b>Winner</b>	<b>Nomination Sponsor</b>	<b>Nominated Technology Title (abstract/summary)</b>	<b>City</b>	<b>St.</b>
2002	No	Madison Chemical Company	<a href="#"><u>Cadmium Replacement in Mechanical Coating (abstract)</u></a>	Madison	IN
2002	No	Mohan, Ram S.; Illinois Wesleyan University	<a href="#"><u>Environmentally Friendly Organic Synthesis Using Bismuth Compounds (abstract)</u></a>	Bloomington	IL
2002	No	OMNOVA Solutions Inc.	<a href="#"><u>Short Perfluoroalkyl Chain, Polymeric Fluorosurfactants as Wetting, Flow and Leveling Agents for Aqueous Coatings (abstract)</u></a>	Fairlawn	OH
2002	No	ONDEO Nalco Company	<a href="#"><u>Nalco ACT – Advanced Condensate Treatment for Boiler Systems (abstract)</u></a>	Naperville	IL
2002	Yes	Pfizer, Inc.	<a href="#"><u>Green Chemistry in the Redesign of the Sertraline Process (summary)</u></a>	New London	CT
2002	No	RADTECH International, North America	<a href="#"><u>Eliminating Air Pollution (VOC and HAP) at the Source through the Use of Ultraviolet and Electron Beam Polymerization (abstract)</u></a>	Bethesda	MD
2002	Yes	SC Fluids, Inc.	<a href="#"><u>SCORR – Supercritical CO<sub>2</sub> Resist Remover (summary)</u></a>	Nashua	NH
2002	No	SePRO Corporation	<a href="#"><u>Integrated Methods for the Control of Aquatic Plants (IMCAP<sup>TM</sup>): Innovative Chemical and Precision Technologies (abstract)</u></a>	Carmel	IN
2002	No	Sunshine Makers, Inc.	<a href="#"><u>Crystal Simple Green<sup>®</sup> (abstract)</u></a>	Huntington Harbour	CA
2002	No	Tempyrox Company, Inc.	<a href="#"><u>World-wide Elimination or Reduction of Solvent and Chemical Cleaning of Laboratory Glassware Using Thermal Pyrolysis-oxidation Chemistry (abstract)</u></a>	Dallas	TX
2002	No	U.S. Army, U.S. Army Soldier and Biological Chemical Command	<a href="#"><u>Electronic and Photonic Polymers from Biocatalysis (abstract)</u></a>	Natick	MA
2002	No	U.S. Department of Agriculture, National Center for Agricultural Utilization Research	<a href="#"><u>Environmentally Benign Two-Step Synthesis of Fatty Alcohol Mixtures Using Supercritical Carbon Dioxide (SC-CO<sub>2</sub>) and SC-CO<sub>2</sub>/Hydrogen Mixtures (abstract)</u></a>	Peoria	IL
2002	No	U.S. Department of Agriculture, Southern Regional Research Center	<a href="#"><u>Environmentally Benign Antibacterial Agents (abstract)</u></a>	New Orleans	LA
2002	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#"><u>Autothermal Reforming Catalyst for Fuel Cells (abstract)</u></a>	Argonne	IL

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2002	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Electrometallurgical Treatment of Nuclear Waste (abstract)</a>	Argonne	IL
2002	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Electrorefining of Spent Nuclear Fuel (abstract)</a>	Argonne	IL
2002	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Environmentally Benign Enzyme Reactor for Polymer Synthesis (abstract)</a>	Los Alamos	NM
2002	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">CSSX Process Demonstration (abstract)</a>	Richland	WA
2002	No	U.S. Navy, U.S. Naval Research Laboratory	<a href="#">Patterned Channel-Constrained Process for Additive Electroless Metal Deposition (abstract)</a>	Washington	DC
2002	No	U.S. Polychemical Corporation	<a href="#">Dispersit<sup>TM</sup>: A Waterbased Oil Dispersant for Oil Spills in Salt and Fresh Water (abstract)</a>	Chestnut Ridge	NY
2002	No	Young, Ming-Wan; Xanthos, Marino; New Jersey Institute of Technology	<a href="#">Melt Processing for Solvent-Less Manufacture of High Performance Dry Powder Coatings (abstract)</a>	Newark	NJ
2003	No	AC Products	<a href="#">Enviromask - A Zero VOC Method to Aircraft Metal Forming (abstract)</a>	Placentia	CA
2003	Yes	AgraQuest, Inc.	<a href="#">Serenade<sup>®</sup>: An Effective, Environmentally Friendly Biofungicide (summary)</a>	Davis	CA
2003	No	Allen, Christopher W.; University of Vermont; Peterson, Eric S.; Idaho National Engineering and Environmental Laboratory	<a href="#">Environmentally Benign Preparation and Polymerization of Phosphazene Polymers (abstract)</a>	Burlington	VT
2003	No	Allen, Dianne; University of Massachusetts Amherst	<a href="#">A Novel Additive System for Time-Controlled Degradation of Polypropylene (abstract)</a>	Jamaica Plain	MA
2003	No	Allen, Robert D.; IBM Almaden Research Center; Carbonell, Ruben; North Carolina State University; DeSimone, Joseph M.; University of North Carolina at Chapel Hill; Gleason, Karen K.;	<a href="#">Environmentally Benign Lithography for Semiconductor Manufacturing (abstract)</a>	Chapel Hill	NC



Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
		Massachusetts Institute of Technology; Ober, Christopher K.; Cornell University			
2003	No	Buckman Laboratories International, Inc.	<a href="#">Enzymes as an Alternative to Toxic Materials for Treatment of Slime Deposits in the Paper Industry (abstract)</a>	Memphis	TN
2003	No	Crivello, James V.; Rensselaer Polytechnic Institute	<a href="#">Synthesis and Photopolymerization of Monomers Derived from Biorenewable Sources (abstract)</a>	Troy	NY
2003	No	Crompton Corporation	<a href="#">ACRAMITE™ - A New Selective and Safe Miticide (abstract)</a>	Greenwich	CT
2003	No	Deft, Inc.	<a href="#">Zero VOC Protective Coatings for Aerospace Applications (abstract)</a>	Irvine	CA
2003	Yes	DuPont	<a href="#">Microbial Production of 1,3-Propanediol (summary)</a>	Wilmington	DE
2003	No	Epmar Corporation	<a href="#">Kemiko and Sta-Crete Low VOC Architectural Coating (abstract)</a>	Santa Fe Springs	CA
2003	No	Flexabar Corporation	<a href="#">Aquagard Waterbase Antifouling Bottom Boat Paint (abstract)</a>	Lakewood	NJ
2003	Yes	Gross, Richard A.; Polytechnic University	<a href="#">New Options for Mild and Selective Polymerizations Using Lipases (summary)</a>	Brooklyn	NY
2003	No	H2OK Engineering	<a href="#">The Use of Vitamin C To Neutralize Oxidants Such as Chlorine in Drinking Water Which Is Often Discharged to the Environment (abstract)</a>	Mount Vernon	WA
2003	No	Hudlicky, Tomas; University of Florida	<a href="#">Direct Biocatalytic Synthesis of Functionalized Catechols: A Short Route to Combretastatin A-1 (abstract)</a>	Gainesville	FL
2003	No	Kaplan, David L.; Tufts University	<a href="#">Antioxidant-Functionalized Polymers (abstract)</a>	Medford	MA
2003	No	Kraus, George A.; Iowa State University	<a href="#">Photoacylation and Photoalkylation of Quinones (abstract)</a>	Ames	IA
2003	No	Micro Interconnect Technology	<a href="#">An Economically Advantaged, Green Process, for the Fabrication of Printed Circuit Boards (abstract)</a>	Bedford	NH
2003	No	Nicolaou, K.C.; University of California, San Diego	<a href="#">Tandem Reactions, Cascade Sequences and Biomimetic Strategies in Chemical Synthesis (abstract)</a>	La Jolla	CA
2003	No	ONDEO Nalco Company	<a href="#">STABREX® Microorganism Control Chemical: An Environmentally</a>	Naperville	IL

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2003	No	Periana, Roy Anthony; University of Southern California	<a href="#"><u>Sensible Chlorine Alternative for Industrial Water Treatment (abstract)</u></a> <a href="#"><u>Low Temperature, Hydrocarbon Hydroxylation: The Key to Greener, Lower Cost Chemistry for Chemicals, Fuel and Power for the 21st Century (abstract)</u></a>	Los Angeles	CA
2003	No	Plug Power Inc.	<a href="#"><u>High CO Tolerant Polymer Electrolyte Membrane Fuel Cell Technology (abstract)</u></a>	Latham	NY
2003	No	RajanBabu, T. V.; Ohio State University	<a href="#"><u>Asymmetric Catalysis in Water: Hydroxyphosphine and Hydroxyphosphinite Ligands for Amino Acid Synthesis (abstract)</u></a>	Columbus	OH
2003	Yes	Shaw Industries, Inc.	<a href="#"><u>EcoWorx™ Carpet Tile: A Cradle-to- Cradle Product (summary)</u></a>	Dalton	GA
2003	No	Shi, Yian; Colorado State University	<a href="#"><u>An Environmentally Benign Asymmetric Epoxidation Me (abstract)</u></a>	Fort Collins	CO
2003	No	Smart Sonic Corporation	<a href="#"><u>440-R SMT Detergent Hazardous Solvent Alternative for Printed Circuit Board Stencil Cleaning (abstract)</u></a>	Van Nuys	CA
2003	Yes	Süd-Chemie Inc.	<a href="#"><u>A Wastewater-Free Process for Synthesis of Solid Oxide Catalysts (summary)</u></a>	Louisville	KY
2003	No	Syngenta Crop Protection, Inc.	<a href="#"><u>Conversion of the Herbicide, Metolachlor, to S-Metolachlor in the U.S. Marketplace (abstract)</u></a>	Greensboro	NC
2003	No	Treyco Supply, Inc.	<a href="#"><u>Development of a Safer and More Effective Biodegradable Antimicrobial Cleaning Product (abstract)</u></a>	Wilson	NC
2003	No	U.S. Air Force, Air Force Research Laboratory, Wright Patterson Air Force Base	<a href="#"><u>New, Environmentally Protective Aircraft De-Icing Technology (abstract)</u></a>	Dayton	OH
2003	No	Wachs, Israel E.; Lehigh University	<a href="#"><u>Converting Pollution to Profits: Valuable Chemicals &amp; Energy (abstract)</u></a>	Bethlehem	PA
2003	No	Xerox Corporation	<a href="#"><u>Xerographic Dry Ink Resin Manufacturing Hazard &amp; Emission Reduction (abstract)</u></a>	Webster	NY
2004	No	Advanced Marine Technologies (AMT) BioProducts Corporation	<a href="#"><u>Reducing Nitrates in Buzzards Bay with the Production of Organic Gem® Fertilizer from New Bedford's Fish Processing Wastes (An SGNB Project) (abstract)</u></a>	South Dartmouth	MA

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2004	No	BASF Corporation	<a href="#">All-Acrylic Binders for Low VOC Architectural Coatings (abstract)</a>	Charlotte	NC
2004	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">In-Situ Generation of H<sub>2</sub>O<sub>2</sub> in CO<sub>2</sub> for Green Oxidations (abstract)</a>	Pittsburgh	PA
2004	No	Bergman, Robert G.; University of California at Berkeley	<a href="#">Developing Highly Efficient C-H Activation of Hydrocarbons (abstract)</a>	Berkeley	CA
2004	No	Bose, Ajay K.; Stevens Institute of Technology	<a href="#">Cost Effective Green Chemistry Approaches to Pharmaceuticals: Microwave Techniques &amp; "Grindstone Chemistry" for Solventless Reactions and Less Pollution (abstract)</a>	Hoboken	NJ
2004	Yes	Bristol-Myers Squibb Company	<a href="#">Development of a Green Synthesis for Taxol<sup>®</sup> Manufacture via Plant Cell Fermentation and Extraction (summary)</a>	New York	NY
2004	Yes	Buckman Laboratories International, Inc.	<a href="#">Optimize<sup>®</sup>: A New Enzyme Technology to Improve Paper Recycling (summary)</a>	Memphis	TN
2004	No	C.H. Thompson Co. Inc.	<a href="#">Non Chromate Chemical Conversion Alternative Coating (abstract)</a>	Binghamton	NY
2004	No	Cargill, Inc.	<a href="#">BioTrans<sup>®</sup> 1000 Soybean-Based Transformer Fluid (abstract)</a>	Wayzata	MN
2004	No	Dionysiou, Dionysios D.; University of Cincinnati	<a href="#">Water Immiscible Room Temperature Ionic Liquids as Green Solvents for Extraction and In-Situ Photolytic Destruction of Environmental Organic Contaminants (abstract)</a>	Cincinnati	OH
2004	No	Dow Chemical Company, The	<a href="#">n-Alkyl Propionate Ester Solvents (abstract)</a>	Midland	MI
2004	Yes	Eckert, Charles A.; Liotta, Charles L.; Georgia Institute of Technology	<a href="#">Benign Tunable Solvents Coupling Reaction and Separation Processes (summary)</a>	Atlanta	GA
2004	No	Emisphere Technologies, Inc.	<a href="#">Environmental Advantages Offered by Boric Acid Mediated Amidation Between a Carboxylic Acid and an Amine to Form a Carboxamide, a Basic Unit of Peptides and Proteins (abstract)</a>	Tarrytown	NY
2004	Yes	Engelhard Corporation	<a href="#">Engelhard Rightfit<sup>™</sup> Organic Pigments: Environmental Impact, Performance, and Value (summary)</a>	Iselin	NJ
2004	No	Environmentally Sensitive Solutions, Inc.	<a href="#">Utilization of Neutral Cleaners for Reducing Environmental and Health Impacts (abstract)</a>	Mequon	WI

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2004	No	Ethyl Petroleum Additives Inc.	<a href="#"><u>Metal, Phenol and Ash-Free Antiwear Hydraulic Additive Providing Performance Previously Only Achieved by Use of Zinc Containing Additives (abstract)</u></a>	Richmond	VA
2004	No	Folia, Inc.	<a href="#"><u>Reactin Series™ AS Copolymers: Specialty Reactive Aspartic Acid Copolymers (abstract)</u></a>	Birmingham	AL
2004	No	Goodyear Tire & Rubber Company, The	<a href="#"><u>RPS Technology: Breakthrough Technology for Water-Based Paints, Coatings, Adhesives and Sealants (abstract)</u></a>	Akron	OH
2004	No	Janda, Kim D.; Lerner, Richard A.; The Scripps Research Institute	<a href="#"><u>Antibody Catalysis (abstract)</u></a>	La Jolla	CA
2004	No	Janssen Pharmaceutica Inc.	<a href="#"><u>ECONEA® 028: Designing and Developing a Metal-Free, Environmentally Safe, and Effective Antifoulant for Use Against Hard Fouling Marine Organisms (abstract)</u></a>	Titusville	NJ
2004	Yes	Jeneil Biosurfactant Company	<a href="#"><u>Rhamnolipid Biosurfactant: A Natural, Low-Toxicity Alternative to Synthetic Surfactants (summary)</u></a>	Saukville	WI
2004	No	Knockout Group, The	<a href="#"><u>"Knockout": A Dynamic Cleaning Experience, In a Colloidal Format, With Pollution Prevention Qualities (abstract)</u></a>	Chicago	IL
2004	No	LCP Tech Holdings LLC	<a href="#"><u>Development of Novel Liquid Crystal Polymers (abstract)</u></a>	Cincinnati	OH
2004	No	Li, Chao-Jun; Tulane University	<a href="#"><u>Developing Direct Catalytic Addition of Alkynes to Aldehydes and Imines in Water and under Solventless Conditions (abstract)</u></a>	New Orleans	LA
2004	No	PanTerra Technologies, Incorporated	<a href="#"><u>Reducing Domestic Petroleum Consumption by Twenty-five Percent (abstract)</u></a>	Goshen	CT
2004	No	Plug Power Inc.	<a href="#"><u>Demonstration of a Home Energy Station for Production of Electricity, Heat, and Hydrogen (abstract)</u></a>	Latham	NY
2004	No	Plug Power Inc.	<a href="#"><u>Zero-to-Landfill Fuel Cell Systems (abstract)</u></a>	Latham	NY
2004	No	PPG Architectural Finishes, Inc.	<a href="#"><u>Pure Performance "Zero" VOC Latex Coating (abstract)</u></a>	Pittsburgh	PA
2004	No	ProChemTech International, Inc.	<a href="#"><u>ElectroBrom Biocide System (abstract)</u></a>	Brockway	PA

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2004	No	Ragauskas, A.J.; Georgia Institute of Technology	<a href="#">Mill Designed Biobleaching Technologies (abstract)</a>	Atlanta	GA
2004	No	RD Chemical Company	<a href="#">ChemBond™ EC An Alternate Printed Circuit Board Oxide Process (abstract)</a>	Mountain View	CA
2004	No	Sahinidis, Nikolaos V.; University of Illinois at Urbana	<a href="#">A Systematic Methodology for the Design and Identification of Environmentally Benign Chemicals (abstract)</a>	Urbana	IL
2004	No	Sheth, Atul C.; University of Tennessee Space Institute	<a href="#">From Waste-to-Energy: Catalytic Steam Gasification of Poultry Litter (abstract)</a>	Tullahoma	TN
2004	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#">Formamide Replacement in Genetic Sequencing (abstract)</a>	Los Alamos	NM
2004	No	Ulano Corporation	<a href="#">Waste Minimization and Pollution Prevention Programs for the Production of Films &amp; Chemicals in the Graphic Arts Industry (abstract)</a>	Brooklyn	NY
2004	No	Uniseal Inc.	<a href="#">Elimination of Trichloroethylene, a Hazardous Air Pollutant (HAP), From A Production Process (abstract)</a>	Evansville	IN
2004	No	Zeller International	<a href="#">Aqua Form™, a water based, odorless, non-emissive, non-styrenated bonding/laminating resin for structural/advanced composites (abstract)</a>	Downsville	NY
2005	No	Afton Chemical Corporation	<a href="#">Metal-, Phenol-, and Ash-Free Antiwear Hydraulic Additive: Providing Performance Previously Only Achieved by Use of Zinc-Containing Additives (abstract)</a>	Richmond	VA
2005	No	Air Products Polymers, L.P.	<a href="#">Airflex® EF811 Vinyl Acetate Ethylene (VAE) Emulsion Polymer: A Binder for Environmentally Friendly, High-Performance, Cost-Effective Architectural Coatings (abstract)</a>	Allentown	PA
2005	Yes	Archer Daniels Midland Company	<a href="#">Archer RC™: A Nonvolatile, Reactive Coalescent for the Reduction of VOCs in Latex Paints (summary)</a>	Decatur	IL
2005	Yes	Archer Daniels Midland Company; Novozymes	<a href="#">NovaLipid™: Low Trans Fats and Oils Produced by Enzymatic Interesterification of Vegetable Oils Using Lipozyme® (summary)</a>	Decatur	IL
2005	No	Atmospheric Glow Technologies, Inc.	<a href="#">Sterilization of Medical Devices with Atmospheric Plasma (abstract)</a>	KNO <sub>x</sub> ville	TN

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2005	Yes	BASF Corporation	<a href="#">A UV-Curable, One-Component, Low-VOC Refinish Primer: Driving Eco-Efficiency Improvements (summary)</a>	Whitehouse	OH
2005	No	Beckman, Eric J.; University of Pittsburgh	<a href="#">N-Vinyl Formamide: The "Greening" of a Green Replacement for Acrylamide (abstract)</a>	Pittsburgh	PA
2005	No	Bose, Ajay K.; Stevens Institute of Technology	<a href="#">Unconventional High-Efficiency Green Synthesis (abstract)</a>	Hoboken	NJ
2005	No	Chemical Compliance Systems, Inc.	<a href="#">Green Product and Munitions Compliance Analytical Systems (abstract)</a>	Lake Hopatcong	NJ
2005	No	Cholli, Ashok L.; University of Massachusetts Lowell	<a href="#">Biocatalytically Synthesized High-Performance Novel Antioxidants for Materials (abstract)</a>	Lowell	MA
2005	No	Cleary Chemical Corporation	<a href="#">ROACH TERMINAL™ Insect Control: A Non-toxic Alternative that Prevents the Development of Pest Cockroach Populations (abstract)</a>	Dayton	NJ
2005	No	Crane & Company, Inc.	<a href="#">Substitution with Carbon Dioxide Eliminates Major Use of Sulfuric Acid (abstract)</a>	Dalton	MA
2005	No	DeSimone, Joseph M.; University of North Carolina at Chapel Hill	<a href="#">Surfactant-Free Supercritical Carbon Dioxide Fluoroolefin Polymerization Technology (abstract)</a>	Chapel Hill	NC
2005	No	Dow BioProducts Ltd.	<a href="#">WOODSTALK™ Strawboard (abstract)</a>	Midland	MI
2005	No	Dow Chemical Company, The	<a href="#">VORANOL* VORACTIV* Polyols for Flexible Polyurethane Foams (abstract)</a>	Midland	MI
2005	No	Ecolab	<a href="#">Formula 1™ Laundry System (abstract)</a>	Inver Grove Heights	MN
2005	No	Eli Lilly and Company	<a href="#">An Improved Approach to the Preparation of Duloxetine and Atomoxetine (abstract)</a>	Lafayette	IN
2005	No	GlaxoSmithKline	<a href="#">Discovery and Development of a Green Process for Radafaxine (abstract)</a>	Philadelphia	PA
2005	No	Harris Labs	<a href="#">Evapo-Rust™: Nonhazardous Rust Removal by Selective Chelation (abstract)</a>	Springdale	AR
2005	No	Highland Supply Corporation	<a href="#">Using Chemistry and Engineering Technology to Reduce Volatile Organic Compound (VOC) Emissions and Eliminate Hazardous Process Waste in the Printing Industry (abstract)</a>	Highland	IL

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2005	No	International Chemical Products, Inc. (ICP)	<a href="#">PICKLEX®: An Environmentally Safe Metal Surface Preparation and Pretreatment Chemical (abstract)</a>	Huntsville	AL
2005	No	Lonza, Inc.	<a href="#">Equinox™: A Greener Approach to Microbiological Control (abstract)</a>	Fair Lawn	NJ
2005	No	MacRitchie, Finlay; Kansas State University	<a href="#">The Application of Ultrasound to Catalyze Reactions in Some Industrial Processes (abstract)</a>	Manhattan	KS
2005	Yes	Merck & Co.	<a href="#">A Redesigned, Efficient Synthesis of Aprepitant, the Active Ingredient in Emend®: A New Therapy for Chemotherapy-Induced Emesis (summary)</a>	Rahway	NJ
2005	Yes	Metabolix, Inc.	<a href="#">Producing Nature's Plastics Using Biotechnology (summary)</a>	Cambridge	MA
2005	No	METSS Corporation	<a href="#">Environmentally Friendly Aircraft Deicing Fluid (abstract)</a>	Westerville	OH
2005	No	Microcide, Inc.	<a href="#">Technology of Safe, Biodegradable, and Non-Polluting Products as Alternatives to Toxic Microbicidal Chemicals (abstract)</a>	Troy	MI
2005	No	Novartis Pharmaceuticals Corporation	<a href="#">Development of Green and Practical Processes Utilizing Dialkyl Carbonates as Alkylating Reagents (abstract)</a>	East Hanover	NJ
2005	No	Pfizer Global Research and Development	<a href="#">A Green Process for the Synthesis of Quinapril Hydrochloride (abstract)</a>	New London	CT
2005	No	Pfizer Global Research and Development	<a href="#">Separation of Racemic Tetralone (abstract)</a>	New London	CT
2005	No	Pfizer Global Research and Development	<a href="#">The Discovery and Development of an Environmentally Benign Commercial Route to Sildenafil Citrate (abstract)</a>	New London	CT
2005	Yes	Rogers, Robin D.; University of Alabama	<a href="#">A Platform Strategy Using Ionic Liquids to Dissolve and Process Cellulose for Advanced New Materials (summary)</a>	Tuscaloosa	AL
2005	No	Rynex Holdings, Ltd.	<a href="#">RYNEX® Dry Cleaning Solution (abstract)</a>	Woodbury	NY
2005	No	Severtson, Steven J.; University of Minnesota	<a href="#">Research, Development, and Commercialization of Environmentally Benign Thermoplastic Pressure-Sensitive Adhesive Label Products (abstract)</a>	St. Paul	MN
2005	No	Stoller Enterprises, Inc.	<a href="#">Stoller STIMULATE: A Natural Product for Improving Crop Plant</a>	Houston	TX



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			<a href="#"><u>Performance and Enhancing Pest Resistance (abstract)</u></a>		
2005	No	U.S. Army, U.S. Army Engineer Research and Development Center	<a href="#"><u>Environmentally Friendly Water Treatments for Control of Corrosion, Scale, and Bioactivity in Heating and Cooling Systems (abstract)</u></a>	Champaign	IL
2005	No	U.S. Army, U.S. Army Engineer Research and Development Center	<a href="#"><u>Mold Prevention through the Novel Use of In Situ Electrochemistry to Eliminate Water Seepage in Concrete Structures (abstract)</u></a>	Champaign	IL
2005	No	Westech Aerosol Corporation	<a href="#"><u>WT-HSC13: A High-Strength, Low-VOC Aerosol Adhesive (abstract)</u></a>	Port Orchard	WA
2006	No	ArchAngel Enterprises, LLC	<a href="#"><u>Stalosan F Microbial and Environmental Control for Use in Housing of All Animals (abstract)</u></a>	Cedar Rapids	IA
2006	Yes	Arkon Consultants and NuPro Technologies, Inc.	<a href="#"><u>Environmentally Safe Solvents and Reclamation in the Flexographic Printing Industry (summary)</u></a>	Winston Salem	NC
2006	No	Broin and Associates	<a href="#"><u>BFRAC™ and BPX™: Launching the Biorefining Revolution (abstract)</u></a>	Sioux Falls	SD
2006	No	Bunge North America; Novozymes North America, Inc.	<a href="#"><u>Enzymatic Degumming of Vegetable Oils: Reducing Environmental Impact and Improving Oil Yield (abstract)</u></a>	Saint Louis	MO
2006	No	Coastwide Laboratories	<a href="#"><u>Sustainable Earth® Cleaning Products Designed for Health and the Environment (abstract)</u></a>	Wilsonville	OR
2006	Yes	Codexis, Inc.	<a href="#"><u>Directed Evolution of Three Biocatalysts to Produce the Key Chiral Building Block for Atorvastatin, the Active Ingredient in Lipitor® (summary)</u></a>	Redwood City	CA
2006	No	Diwekar, Urmila; University of Illinois at Chicago	<a href="#"><u>Greener by Design: An Efficient, Multiobjective Framework Under Uncertainty (abstract)</u></a>	Chicago	IL
2006	No	Dow AgroSciences LLC	<a href="#"><u>Aminopyralid: Increasing Protection of Endangered Species through Improved Management of Non-Native Plants While Maximizing Land Use and Significantly Reducing Herbicide Volume and Application (abstract)</u></a>	Indianapolis	IN
2006	No	Dow AgroSciences LLC; U.S. Department of Agriculture, Agricultural Research Service	<a href="#"><u>GF-120™ NF Naturalyte™ Fruit Fly Bait (abstract)</u></a>	Indianapolis	IN

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2006	No	DuPont Company	<a href="#"><u>Bioderived Solvents, Surfactants, Fuel Additives, and Monomers (abstract)</u></a>	Wilmington	DE
2006	No	DuPont Company	<a href="#"><u>New Asymmetric Hydroxylation Technology for the Commercial Manufacture of Indoxacarb (abstract)</u></a>	Wilmington	DE
2006	No	Duraflame, Inc.	<a href="#"><u>Duraflame® All-Natural Manufactured Firelog (abstract)</u></a>	Stockton	CA
2006	No	FluidPhase Technologies Inc.	<a href="#"><u>A Preproduction System for Re-Refining Used Oil Using Closed-Loop, Patented, Atomization Technology (abstract)</u></a>	Pittsburgh	PA
2006	No	Foster-Miller, Inc.	<a href="#"><u>Environmentally Advantaged Formulations for Aircraft Ice Control (abstract)</u></a>	Waltham	MA
2006	No	Garcia-Garibay, Miguel A.; University of California, Los Angeles	<a href="#"><u>Solvent-Free, Crystal-to-Crystal Photochemical Reactions: The Synthesis of Adjacent Stereogenic Quaternary Centers (abstract)</u></a>	Los Angeles	CA
2006	No	GE Plastics	<a href="#"><u>Flexible NORYL* Resins for Wire Coating (abstract)</u></a>	Selkirk	NY
2006	No	Go-Tec, Inc.	<a href="#"><u>Acetylene: A Viable Fuel Alternative for the Internal Combustion Engine (abstract)</u></a>	Columbia	MO
2006	No	GreenEarth® Cleaning, LLC	<a href="#"><u>GreenEarth® Cleaning, Dry Cleaning with Silicone Solvent (abstract)</u></a>	Kansas City	MO
2006	No	Halliburton Energy Services	<a href="#"><u>ACCOLADE™ Synthetic-Based Drilling Fluid System (abstract)</u></a>	Houston	TX
2006	No	HALOX	<a href="#"><u>New Water-Based Organic Corrosion Inhibitor (abstract)</u></a>	Hammond	IN
2006	No	Innovative Formulation Company	<a href="#"><u>Ecological Paint Antimicrobial Clear Coat (abstract)</u></a>	Tucson	AZ
2006	No	Interface Fabrics	<a href="#"><u>Closing the Loop with "Benign by Design" Biobased Fabrics and Backings (abstract)</u></a>	Grand Rapids	MI
2006	No	iSoy Technologies Corporation	<a href="#"><u>Biocatalytic Production of Biobased Personal Care Products (abstract)</u></a>	Trout Valley	IL
2006	No	Johnson Polymer, LLC	<a href="#"><u>JONCRYL® FLX 5000: A High-Performance, Water-Based Polymer to Facilitate the Conversion from Solvent- to Water-Based Inks in Surface Film Flexible Packaging Printing (abstract)</u></a>	Sturtevant	WI
2006	No	JohnsonDiversey, Inc.	<a href="#"><u>A Novel Cleaning System Using Less Toxic, Safer Chemicals (abstract)</u></a>	Sturtevant	WI

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2006	No	LANXESS Corporation	<a href="#">Picaridin: A Safe, Effective, and Environmentally Friendly Insect Repellent that People Will Use (abstract)</a>	Pittsburgh	PA
2006	Yes	Merck & Co., Inc.	<a href="#">Novel Green Synthesis for <math>\beta</math>-Amino Acids Produces the Active Ingredient in Januvia<sup>TM</sup> (summary)</a>	Rahway	NJ
2006	No	MLI Associates	<a href="#">Environmentally Benign Deicing/Anti-Icing Agents (abstract)</a>	Shoreham	NY
2006	No	Montana Polysaccharides Corporation	<a href="#">Multipurpose Exopolymer as a Raw Material (abstract)</a>	Rock Hill	SC
2006	No	Netravali, Anil N.; Cornell University	<a href="#">Green Composites: Environment-Friendly and Fully Sustainable (abstract)</a>	Ithaca	NY
2006	No	Nike, Inc.	<a href="#">Development of Nike Brand Footwear Outsole Rubber as Environmentally Preferred Material (abstract)</a>	Beaverton	OR
2006	No	Pfizer Global Research and Development	<a href="#">Green Chemistry in the Redesign of the Celecoxib Process (abstract)</a>	New London	CT
2006	No	PostSaver USA	<a href="#">PostSaver<sup>®</sup> (abstract)</a>	Memphis	TN
2006	No	Praxair, Inc.	<a href="#">Oxygen-Enhanced Combustion for NO<sub>x</sub> Control (abstract)</a>	Tonawanda	NY
2006	No	Recovery Systems Inc.	<a href="#">Innovative Process for Treatment of Hog Waste and Production of Saleable Products from This Waste (abstract)</a>	Wilmington	NC
2006	No	Rhodia Inc.	<a href="#">Guar-Based Chemistry Advances Targeted Performance of Crop Sprays by Reducing Drift and Improving Retention (abstract)</a>	Cranbury	NJ
2006	No	Rohm and Haas Company; Johns Manville	<a href="#">Invention and Commercialization of Environmentally Smart Thermosetting Binders (abstract)</a>	Philadelphia	PA
2006	No	Rust-Oleum Corporation	<a href="#">Zero-VOC, Zero-HAP, No-Odor Industrial Coatings (abstract)</a>	Vernon Hills	IL
2006	Yes	S.C. Johnson & Son, Inc.	<a href="#">Greenlist<sup>TM</sup> Process to Reformulate Consumer Products (summary)</a>	Racine	WI
2006	No	Separation Technologies LLC	<a href="#">Beneficiation and Use of Coal Combustion Fly Ash: A Major Success in Reducing Solid Waste and Increasing Supplies of Construction Materials While Reducing Greenhouse Gas Emissions (abstract)</a>	Needham	MA

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2006	Yes	Suppes, Galen J.; University of Missouri- Columbia	<a href="#">Biobased Propylene Glycol and Monomers from Natural Glycerin (summary)</a>	Columbia	MO
2006	No	Syngenta	<a href="#">Mesotrione and Callisto® Plant Technology (abstract)</a>	Washington	DC
2006	No	Tester, Jefferson W.; Massachusetts Institute of Technology	<a href="#">Replacing Organic Solvents and Homogeneous Catalysts with Water and Carbon Dioxide (abstract)</a>	Cambridge	MA
2006	No	U.S. Department of Energy, Pacific Northwest National Laboratory	<a href="#">Self-Assembled Monolayers on Mesoporous Silica Technology: A Green Alternative Synthesis of a Novel Adsorbent for Mercury Source Reduction (abstract)</a>	Richland	WA
2006	No	Ventana Research Corporation	<a href="#">Development of High Performance, Environmentally Benign Hard Disk Drive Polishing Fluids and Corrosion Inhibitors (abstract)</a>	South Tucson	AZ
2006	No	W.F. Taylor Co., Inc.	<a href="#">Meta-Tec™ Low-VOC, One-Component, Cross-Linking Adhesive: Innovative Science–Applied Technology (abstract)</a>	Dalton	GA
2006	No	Warner, John C.; University of Massachusetts Lowell	<a href="#">Bioinspired Thymine-Based Photopolymers: A Green Chemistry Platform for Innovation, Research, Education, and Outreach (abstract)</a>	Lowell	MA
2006	No	Xerox Corporation	<a href="#">Xerox’s Emulsion Aggregation Toner Technology (abstract)</a>	Webster	NY
2006	No	ZIVATECH Corporation	<a href="#">High-Efficiency Olefin to Polyolefin Process with Toxic Solvent Elimination (abstract)</a>	North Hills	CA
2006	No	ZIVATECH Corporation	<a href="#">New Biomass Catalytic Reforming Process for Solid Oxide Fuel Cell Power Generation (abstract)</a>	North Hills	CA
2007	No	3M Office Supplies Division Laboratory	<a href="#">Development of Water-Based Materials for Post-it® Super Sticky Notes (abstract)</a>	St. Paul	MN
2007	No	Advanced BioCatalytics Corporation	<a href="#">Uncoupling Biochemical Processes for Enhanced Biological Efficiency (abstract)</a>	Irvine	CA
2007	No	Amerikal Products Corporation	<a href="#">Genesis® BRIGL Wash (abstract)</a>	Waukegan	IL
2007	No	Arch Treatment Technologies, Inc.	<a href="#">Wolman® AG Metal-Free Wood Preservative (abstract)</a>	Smyrna	GA
2007	No	Arkema Inc.	<a href="#">Green Chemistry in the Manufacture of Thioglycolic Acid (abstract)</a>	Philadelphia	PA

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2007	No	Aspen Technology, Inc.	<a href="#"><u>Correlating and Predicting Drug Molecule Solubility with a Nonrandom, Two-Liquid Segment Activity Coefficient Model (abstract)</u></a>	Cambridge	MA
2007	No	Barricade International, Inc.	<a href="#"><u>Environmentally and Toxicologically Safe Firefighting Gel (abstract)</u></a>	Hobe Sound	FL
2007	No	BASF Corporation	<a href="#"><u>A Non-HAP (Hazardous Air Pollutant) Coating for Extruded Aluminum (abstract)</u></a>	Southfield	MI
2007	No	Beaulieu Group, LLC	<a href="#"><u>Nexterra™ Carpet: Modified PET Carpet Backing (abstract)</u></a>	Adairsville	GA
2007	No	Benchmark Performance Group, Inc.	<a href="#"><u>GreensKeeper® Polymer Slurries for Oil and Gas Well Stimulation (abstract)</u></a>	Houston	TX
2007	No	Bristol-Myers Squibb Company	<a href="#"><u>Irbesartan (Avapro®) Greenness Project (abstract)</u></a>	New York	NY
2007	No	Buckman Laboratories International, Inc.	<a href="#"><u>Enzymes to Reduce Energy Use and Increase Recycling of Paper (abstract)</u></a>	Memphis	TN
2007	Yes	Cargill, Incorporated	<a href="#"><u>BiOH™ Polyols (summary)</u></a>	Wayzata	MN
2007	No	Century Industrial Coatings Inc.	<a href="#"><u>Nulo™ Technology: HAP-Free, Low-VOC, Water-Based, Air-Dry Coatings (abstract)</u></a>	Jacksonville	TX
2007	No	Changing World Technologies, Inc.	<a href="#"><u>Waste to Renewable Diesel (abstract)</u></a>	West Hempstead	NY
2007	No	Cholli, Ashok L.; University of Massachusetts Lowell	<a href="#"><u>High Performance Macromolecular Antioxidants for Materials: A Green Chemistry Approach (abstract)</u></a>	Lowell	MA
2007	No	Crosslink	<a href="#"><u>Corrosion-Resistance without Chromium: On-Demand Release of Environmentally Safe, Non-Chromium Corrosion Inhibitors from Electroactive Polymer Coatings (abstract)</u></a>	Fenton	MO
2007	No	Dasgupta, Purnendu K.; The University of Texas at Arlington	<a href="#"><u>A Green Analyzer for Arsenic in Drinking Water (abstract)</u></a>	Arlington	TX
2007	No	Eastman Chemical Company	<a href="#"><u>Optifilm Enhancer 400 – A Nonvolatile Coalescent for Formulating High-Performance, Reduced-VOC Architectural Coatings (abstract)</u></a>	Kingsport	TN
2007	No	Ecology Coatings	<a href="#"><u>Green Chemistry for Industrial Coatings (abstract)</u></a>	Akron	OH
2007	No	ECOSIL Technologies LLC	<a href="#"><u>New One-Step, Chromate-Free Anticorrosion Coatings for Aluminum Alloys and HDG Steel (abstract)</u></a>	Fairfield	OH

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2007	No	Emerson & Cuming	<a href="#">Tin- and Copper-Compatible Conductive Adhesive for Lead-Free Electronic Circuit Assembly (abstract)</a>	Billerica	MA
2007	No	Environmentally Sensitive Solutions, Inc.	<a href="#">Liquid Seal and Nonhazardous Cleaner Eliminate Odor, Health, and Maintenance Problems Stifling the Acceptance and Implementation of Waterless Urinals (abstract)</a>	Mequon	WI
2007	No	Exelus, Inc.	<a href="#">ExSact – A "Green" Gasoline Technology (abstract)</a>	Livingston	NJ
2007	No	Exelus, Inc.	<a href="#">ExSyM – The Next Generation of Styrene Monomer Technology (abstract)</a>	Livingston	NJ
2007	No	Fungi Perfecti, LLC	<a href="#">Mycopesticides and Mycoattractants (abstract)</a>	Olympia	WA
2007	No	Georgia-Pacific Chemicals, LLC; Tao, Daniel, University of Kentucky	<a href="#">Georgia-Pacific Mining Reagents That Improve Recovery, Reduce Wastes, and Conserve Water and Other Natural Resources (abstract)</a>	Decatur	GA
2007	No	Georgia-Pacific Corporation	<a href="#">Nitamin Steady Delivery Fertilizers for Improved Nitrogen Efficiency in Crops (abstract)</a>	Decatur	GA
2007	No	Green Blue (Green Blue Institute)	<a href="#">CleanGredients™: Systems-Based Information Technology for Green Chemistry (abstract)</a>	Charlottesville	VA
2007	Yes	Headwaters Technology Innovation	<a href="#">Direct Synthesis of Hydrogen Peroxide by Selective Nanocatalyst Technology (summary)</a>	Lawrenceville	NJ
2007	No	Hutchison, James E.; University of Oregon	<a href="#">Greener Production of Functionalized Nanoparticles (abstract)</a>	Eugene	OR
2007	No	IPAX Cleanogel, Inc.	<a href="#">The Use of Green Unikleen in Oil Spill Clean-Up, Both on Land and in Water (abstract)</a>	Detroit	MI
2007	Yes	Krische, Michael J.; University of Texas at Austin	<a href="#">Hydrogen-Mediated Carbon–Carbon Bond Formation (summary)</a>	Austin	TX
2007	No	LATA Group, The	<a href="#">New Green Technology for Eliminating Hydrogen Sulfide in Aqueous Systems, Especially Petroleum Industry Systems (abstract)</a>	Ochelata	OK
2007	Yes	Li, Kaichang; Oregon State University; Columbia Forest Products; Hercules Incorporated	<a href="#">Development and Commercial Application of Environmentally Friendly Adhesives for Wood Composites (summary)</a>	Corvallis	OR

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2007	No	Maffia, Gennaro J.; Widener University	<a href="#"><u>Application of Collagen Nanofibrils in Green Processing and Synthesis (abstract)</u></a>	Chester	PA
2007	No	McCullough, Richard D.; Carnegie Mellon University	<a href="#"><u>Regioregular Polythiophenes as a Platform for Organic Photovoltaic Technology (abstract)</u></a>	Pittsburgh	PA
2007	No	Merck & Co., Inc.	<a href="#"><u>A New, Highly Efficient, Environmentally Responsible Synthesis of Laropiprant (MK-0524) (abstract)</u></a>	Rahway	NJ
2007	No	Merck & Co., Inc.	<a href="#"><u>Kilogram-Scale Purification of Pharmaceutical Candidates and Intermediates Using Preparative Supercritical Fluid Chromatography (abstract)</u></a>	Rahway	NJ
2007	No	Momentive Performance Materials Inc.	<a href="#"><u>Commercialization of NXT Z<sup>®</sup>: An Ethanol-Free, Low-VOC, High-Performance Silane for Silica Tires (abstract)</u></a>	Tarrytown	NY
2007	No	Momentive Performance Materials Inc.	<a href="#"><u>Novel Superspreading Siliconized Surfactants (abstract)</u></a>	Tarrytown	NY
2007	No	MYCELX Technologies Corp.	<a href="#"><u>Novel Device for Removing Mercury from Produced Water and Vapor Streams (abstract)</u></a>	Gainesville	GA
2007	No	Nalco Company	<a href="#"><u>A New Corrosion Inhibitor Reduces the Environmental Impact of Industrially Treated Water (abstract)</u></a>	Naperville	IL
2007	No	Nitrate Elimination Co., Inc., The	<a href="#"><u>Greener Chemistry for Nitrate Analysis: Enzymatic Reduction Method (abstract)</u></a>	Lake Linden	MI
2007	Yes	NovaSterilis, Inc.	<a href="#"><u>Environmentally Benign Medical Sterilization Using Supercritical Carbon Dioxide (summary)</u></a>	Lansing	NY
2007	No	Osmose, Inc.	<a href="#"><u>MicroPro<sup>™</sup> Technology in Wood Preservation (abstract)</u></a>	Griffin	GA
2007	No	Pantheon Chemical	<a href="#"><u>PreKote<sup>®</sup> Surface Pretreatment: Replacing Hexavalent Chromium with an Environmentally Safe Solution (abstract)</u></a>	Phoenix	AZ
2007	No	Pirrung, Michael C.; University of California, Riverside	<a href="#"><u>Environmentally Friendly Isonitrile-Based Syntheses (abstract)</u></a>	Riverside	CA
2007	No	Procter & Gamble Company, The	<a href="#"><u>Tide Coldwater<sup>®</sup>: Energy Conservation through Residential Laundering Innovation and Commercialization (abstract)</u></a>	Cincinnati	OH



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2007	No	Schultz, Tor P.; Nicholas, Darrel D.; Mississippi State University	<a href="#"><u>Enhancing the Efficacy of Totally Organic Wood Preservatives with Low-Cost, Benign Additives (abstract)</u></a>	Mississippi State	MS
2007	No	Severn Trent Services	<a href="#"><u>Iron Oxide for Arsenic Removal from Drinking Water (abstract)</u></a>	Fort Washington	PA
2007	No	Soloshonok, Vadim A.; Ueki, Hisanori; The University of Oklahoma	<a href="#"><u>Biomimetic Reductive Processes (abstract)</u></a>	Norman	OK
2007	No	Stoller Enterprises, Inc.	<a href="#"><u>Alternative to Methyl Bromide to Overcome Nematode Damage to Crops and Concomitantly Enhance Yield, Crop Quality, and Abiotic and Biotic Tolerance (abstract)</u></a>	Houston	TX
2007	No	Super Trap Inc.	<a href="#"><u>GEL-COR®: A New, Environmentally Compatible, Bullet-Trapping Medium for Small-Arms Firing Ranges (abstract)</u></a>	Corona	CA
2007	No	U.S. Army, U.S. Army Edgewood Chemical Biological Center	<a href="#"><u>Enzyme-Based Technology for Decontaminating Toxic Organophosphorus Compounds (abstract)</u></a>	Aberdeen Proving Ground	MD
2007	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#"><u>Solventless Process for Making Tackifiers and Adhesives (abstract)</u></a>	Washington	DC
2007	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>Green Primaries: Environmentally Friendly, Sensitive Explosives (abstract)</u></a>	Los Alamos	NM
2007	No	U.S. Department of Energy, Los Alamos National Laboratory	<a href="#"><u>Ultrapure Carbon and Carbon-Nitride Nanomaterials Derived from Simple Pyrolyses of Nearly Chock-Full Nitrogen Compounds (abstract)</u></a>	Los Alamos	NM
2007	No	van Ooij, Wim J.; University of Cincinnati	<a href="#"><u>Novel, One-Step, Chromate-Free Coatings Containing Anticorrosion Pigments to Replace Chromate Pretreatment and Pigments (abstract)</u></a>	Cincinnati	OH
2007	No	Velocys Inc.	<a href="#"><u>Olefins by High-Intensity Oxidation (abstract)</u></a>	Plain City	OH
2007	No	Zhang, Xumu; The Pennsylvania State University	<a href="#"><u>Practical Asymmetric Catalytic Hydrogenation (abstract)</u></a>	University Park	PA
2007	No	Zhao, Huimin; van der Donk, Wilfred A.; Metcalf, William W.; University of Illinois	<a href="#"><u>A Novel Phosphite Dehydrogenase Based NAD(P)H Regeneration Technology for Industrial Biocatalysis (abstract)</u></a>	Urbana	IL

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2008	No	Adventus Group, The	<a href="#">EHC™ for a Greener Groundwater Treatment Technology (abstract)</a>	Freeport	IL
2008	No	Arkema Inc.	<a href="#">Replacement of Perfluorinated Alkyl Surfactants with Nonfluorinated Surfactants in Polymer Manufacturing (abstract)</a>	King of Prussia	PA
2008	No	Ashland Inc.	<a href="#">GEOSET NEO®: Low Emission Technology for the Metal Casting Industry (abstract)</a>	Dublin	OH
2008	No	Ashland Inc.	<a href="#">Reducing the Environmental, Health and Safety Impact of Cooling Water Treatment Programs (abstract)</a>	Boonton	NJ
2008	No	Ashland Inc.	<a href="#">Solventless, Low-Toxicity, Thermosetting Oligomers that Require Only Low Energy to Cure (abstract)</a>	Dublin	OH
2008	No	ATK Lake City Ammunition Division	<a href="#">P4rimer™: A Non-Toxic, Heavy-Metal-Free Primer Fueled by Red Phosphorus for Small Arms Cartridges (abstract)</a>	Independence	MO
2008	No	Augustine, Robert L.; Seton Hall University; NutraSweet Corporation, The	<a href="#">Bromine Free, TEMPO Based Catalyst System for the Oxidation of Alcohols (abstract)</a>	South Orange	NJ
2008	Yes	Battelle	<a href="#">Development and Commercialization of Biobased Toners (summary)</a>	Columbus	OH
2008	No	ChK group, Inc.	<a href="#">Nanophase Mn(VII) Oxide: Synthesis using Green Technology and Applications (abstract)</a>	Plano	TX
2008	No	Codexis, Inc.	<a href="#">Greening Montelukast Manufacture: Replacing a Stoichiometric Chiral Boron Reagent with a Green-by-Design, Economical Biocatalytic Reduction Enabled by Directed Evolution (abstract)</a>	Redwood City	CA
2008	No	Cutting Edge Formulations, Inc.	<a href="#">Nature's Avenger® Organic Herbicide: A Fast-Acting, Highly Effective, Organic Alternative to Synthetic and Natural Herbicides (abstract)</a>	Buford	GA
2008	No	Cytec Industries Inc.	<a href="#">Cytec Innovation Management System: Sustainable Development of New Products (abstract)</a>	West Paterson	NJ
2008	No	Cytec Industries Inc.	<a href="#">Revolutionizing Energy-Curing Resins for Food Packaging Applications (abstract)</a>	West Paterson	NJ

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2008	Yes	Dow AgroSciences	<a href="#">Spinetoram: Enhancing a Natural Product for Insect Control (summary)</a>	Indianapolis	IN
2008	No	Dow Chemical Company	<a href="#">Novel Process for Producing Polyols Based on Natural Oils (abstract)</a>	Midland	MI
2008	No	Dow Corning Corporation	<a href="#">Water and Energy Conservation in Denim Finishing (abstract)</a>	Midland	MI
2008	No	DuraBan International, Inc.	<a href="#">Environmentally Friendly Antimicrobial Surface Treatment (abstract)</a>	Buffalo	MN
2008	No	Eastman Chemical Company	<a href="#">IntegRex Technology (abstract)</a>	Kingsport	TN
2008	No	Eli Lilly and Company	<a href="#">A Practical and Green Chemical Strategy for the Manufacture of Neurokinin 1 Antagonist, LY686017 (abstract)</a>	Indianapolis	IN
2008	No	EverNu Technology, LLC	<a href="#">Enabling Technology for Methacrylic Acid Production using Isobutane as the Feedstock (abstract)</a>	Maple Glen	PA
2008	No	EverTech LLC	<a href="#">Everdex-Enhanced Alowood (abstract)</a>	Ferndale	WA
2008	No	G3 Technology Innovations, LLC	<a href="#">Surface Functionalized Nanomaterials: Significantly Reducing Fluorochemicals in Consumer Items (abstract)</a>	Pittsford	NY
2008	No	GlaxoSmithKline	<a href="#">GlaxoSmithKline's Eco-Design Toolkit™ (abstract)</a>	Philadelphia	PA
2008	No	Hach Company	<a href="#">Arsenic-Free SPADNS Chemistry for Fluoride Analysis in Water (abstract)</a>	Loveland	CO
2008	No	Huntsman Corporation	<a href="#">G2 Catalyst for New and Improved SURFONIC® Non-Ionic Surfactants (abstract)</a>	The Woodlands	TX
2008	No	Inland Environmental Resources, Inc.	<a href="#">Environmentally Friendly Antacid Formulations for Wastewater Treatment (abstract)</a>	Pasco	WA
2008	No	International Polyol Chemicals, Inc. (IPCI)	<a href="#">Production of Diverse Industrial Glycols from Renewable Six and Five-Carbon Sugars and Glycerin, the Byproduct of Biodiesel Manufacture (abstract)</a>	Ephrata	WA
2008	No	Jiang, Shaoyi; University of Washington	<a href="#">Development of Environmentally Benign Nonfouling Materials and Coatings for Marine Applications (abstract)</a>	Seattle	WA

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2008	No	Johnson & Johnson	<a href="#">Application of Green Chemistry Principles in the Scale-Up of the Darunavir Process (abstract)</a>	New Brunswick	NJ
2008	No	Leadbeater, Nicholas E.; University of Connecticut	<a href="#">Microwave Heating as an Enabling Tool for Greener Synthesis (abstract)</a>	Storrs	CT
2008	No	Lubrizol Corporation, The	<a href="#">Novel Green Chemistries Extend the Useful Life of Automobile Catalytic Converters and Reduce Exhaust Gaseous Emissions (abstract)</a>	Wickliffe	OH
2008	Yes	Maleczka, Robert E., Jr.; Milton R. Smith, III; Michigan State University	<a href="#">Green Chemistry for Preparing Boronic Esters (summary)</a>	East Lansing	MI
2008	No	MIOX Corporation	<a href="#">On-Site Generation of Mixed Oxidants as a Safe, Green Alternative to Chlorine Gas and Concentrated Bulk Bleach (abstract)</a>	Albuquerque	NM
2008	Yes	Nalco Company	<a href="#">3D TRASAR® Technology (summary)</a>	Naperville	IL
2008	No	NCH Corporation	<a href="#">System for Bioremediation of Effluents (abstract)</a>	Irving	TX
2008	No	Organic Recovery, LLC.	<a href="#">Biochemical Hydrolyzation of Organics in Food Wastes into a Liquid Fertilizer and Soil Amendment (abstract)</a>	Pompano Beach	FL
2008	No	Peng, Xiaogang; University of Arkansas; Nanomaterials and Nanofabrication Laboratories, LLC (NN-Labs)	<a href="#">Doped Semiconductor Nanocrystals as Heavy-Metal-Free Quantum Dots (abstract)</a>	Fayetteville	AR
2008	No	Pfizer, Inc.	<a href="#">Convergent Green Synthesis of Linezolid (Zyvox™), an Oxazolidinone Antibacterial Agent (abstract)</a>	Kalamazoo	MI
2008	No	Pyrotechnique by Grucci, Inc.	<a href="#">Perchlorate-Free Pyrotechnic Composition for Military Training Munitions (abstract)</a>	Brookhaven	NY
2008	No	Ragauskas, Arthur J.; Georgia Institute of Technology	<a href="#">Developing Lignocellulosic Biorefineries (abstract)</a>	Atlanta	GA
2008	No	Rhein Chemie Corporation	<a href="#">Additives for Optimizing Renewable Resources in the Production of Polyurethane Systems and Plastics (abstract)</a>	Chardon	OH
2008	No	Roche Carolina Inc.	<a href="#">Scalable Non-Aqueous Process to Prepare Water-Soluble Aminodiol (abstract)</a>	Florence	SC

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2008	No	Sepracor, Inc.	<a href="#">Adventures in Green Chemistry (abstract)</a>	Marlborough	MA
2008	Yes	SiGNa Chemistry, Inc.	<a href="#">New Stabilized Alkali Metals for Safer, Sustainable Syntheses (summary)</a>	New York	NY
2008	No	Specialty Fertilizer Products	<a href="#">Biodegradable, Water-Soluble Anionic Polymers, Prepared in an Environmentally Benign Process, Enhance the Efficiency of Phosphorus Use by Plants (abstract)</a>	Belton	MO
2008	No	Tennant Company	<a href="#">ech2o™ - Electrically Charged Water (abstract)</a>	Minneapolis	MN
2008	No	Thames, S. F.; Rawlins, J. W.; The University of Southern Mississippi	<a href="#">Vegetable Oil Based Macromonomers in Emulsion Polymers for High-Performance, Zero-VOC Architectural Coatings (abstract)</a>	Hattiesburg	MS
2008	No	Thermo Fisher Scientific	<a href="#">Green pH Electrodes (abstract)</a>	Beverly	MA
2008	No	Torch Technologies LLC	<a href="#">Manufactured Firelogs Based on Whole Timber (abstract)</a>	Ferndale	WA
2008	No	TyraTech, Inc.	<a href="#">Greening Insecticides and Parasiticides (abstract)</a>	San Francisco	CA
2008	No	Wildeman, Thomas; Colorado School of Mines	<a href="#">Passive Treatment of Metal-Contaminated Water (abstract)</a>	Golden	CO
2009	No	3M™	<a href="#">Reformulation of 3M™ Neutral Cleaner and 3M™ General Purpose Cleaner for the 3M™ Twist 'n Fill™ Chemical Management System Reduces Air Pollution and Employee Health Hazards (abstract)</a>	St. Paul	MN
2009	No	American Ordnance LLC	<a href="#">Inert Filler TB-1 (abstract)</a>	Middletown	IA
2009	No	Ashland Hercules Water Technologies	<a href="#">Pulp Mill Defoamers Based on Vegetable Oil (abstract)</a>	Wilmington	DE
2009	No	Ashland Inc.	<a href="#">Water-Based Refractory Coatings with Wet/Dry Color Change Indication (abstract)</a>	Dublin	OH
2009	No	Bayer MaterialScience LLC	<a href="#">AURA® Infusion Technology: A Green Method to Incorporate Color and Performance Additives (abstract)</a>	Pittsburgh	PA
2009	Yes	CEM Corporation	<a href="#">Innovative Analyzer Tags Proteins for Fast, Accurate Results without Hazardous Chemicals or High Temperatures (summary and podcast)</a>	Matthews	NC

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2009	No	Clorox Company, The	<a href="#">GreenWorks™ Natural Cleaners from the Makers of Clorox: Home Cleaning Products (abstract)</a>	Pleasanton	CA
2009	No	Codexis, Inc.	<a href="#">Greening Atorvastatin Manufacture: Replacing a Wasteful, Cryogenic Borohydride Reduction with a Green-by-Design, More Economical Biocatalytic Reduction for a Higher Quality Product (abstract)</a>	Redwood City	CA
2009	No	Davis, James Hillard Jr.; University of South Alabama	<a href="#">Liquid but Nonvolatile Sulfonic Acids and Amines: Greener Chemicals for Greening Processes (abstract)</a>	Mobile	AL
2009	No	Doty Energy	<a href="#">Recycling Carbon Dioxide into Carbon-Neutral Liquid Fuels (abstract)</a>	Columbia	SC
2009	No	Dow Chemical Company, The	<a href="#">Glycerin to Epichlorohydrin Process: How Green is my Epichlorohydrin? (abstract)</a>	Freeport	TX
2009	Yes	Eastman Chemical Company	<a href="#">A Solvent-Free Biocatalytic Process for Cosmetic and Personal Care Ingredients (summary and podcast)</a>	Kingsport	TN
2009	No	Ecolab Inc.	<a href="#">Wash 'n Walk™ Floor Care System (abstract)</a>	Inver Grove Heights	MN
2009	No	Eli Lilly and Company	<a href="#">New Manufacturing Route for Arzoxifene Hydrochloride (abstract)</a>	Indianapolis	IN
2009	No	FlyAshDirect Ltd.; Cognis Corporation	<a href="#">Carbon Blocker™ Fly Ash Conditioning Treatment (abstract)</a>	Cincinnati	OH
2009	No	French Creek Software, Inc	<a href="#">Chemical Treatment Modeling and Optimization Software: The French Creek Software Calculation Engine (abstract)</a>	Kimberton	PA
2009	No	Gill, Raminderjit (Sonam); Alvarez, Jessica; University of California, Santa Barbara	<a href="#">The University of California, Santa Barbara Green Chemistry Initiative (abstract)</a>	Santa Barbara	CA
2009	No	GVD Corporation	<a href="#">Novel Solvent-Free Fluoropolymer Coating Process (abstract)</a>	Cambridge	MA
2009	No	Gyberg, Arlin E., Augsburg College; SarTec Corporation	<a href="#">The Mcgyan Process: A Green Synthetic Route for Biodiesel Production (abstract)</a>	Anoka	MN
2009	No	Henkel Corporation	<a href="#">Aquence® Autodeposition Coating: The Smart Coating Solution (abstract)</a>	Madison Heights	MI
2009	No	Henkel Corporation	<a href="#">Bonderite® TecTalis: Next-Generation Coating (abstract)</a>	Madison Heights	MI

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
2009	No	Huntsman Advanced Materials Corporation	<a href="#">Manufacturing More Efficient Fuel Cells to Reduce Carbon Dioxide Emissions (abstract)</a>	The Woodlands	TX
2009	No	Ingenuity IEQ, Inc.	<a href="#">Green Chemistry for Energy Conservation and Indoor Environmental Quality (abstract)</a>	Midland	MI
2009	Yes	Matyjaszewski, Krzysztof; Carnegie Mellon University	<a href="#">Atom Transfer Radical Polymerization: Low-impact Polymerization Using a Copper Catalyst and Environmentally Friendly Reducing Agents (summary and podcast)</a>	Pittsburgh	PA
2009	No	Merck & Co., Inc.	<a href="#">Green Chemistry in Action: A Remarkably Efficient and Sustainable Synthesis of the HIV Integrase Inhibitor, Raltegravir™ (abstract)</a>	Rahway	NJ
2009	No	Method Products	<a href="#">Method Smarty Dish for Fish: An Environmentally Responsible and Effective Cleaning Solution: No Phosphates, Acrylates, or Ethylenediaminetetraacetic Acid (abstract)</a>	San Francisco	CA
2009	No	Milliken & Company	<a href="#">TractionBack®: Alternative Green Adhesives Solutions for Textile Composites Used in Commercial Buildings (abstract)</a>	Spartanburg	SC
2009	No	Narayan, Ramani; Michigan State University; KTM Industries, Inc.	<a href="#">Biodegradable, Chemically Modified Starch Polymers for Protective Foam Packaging and Insulation Applications (abstract)</a>	East Lansing	MI
2009	No	Ozone International LLC	<a href="#">Cleaning and Disinfecting with Ozone: Making Green Chemistry with WhiteWater™ Ozone (abstract)</a>	Bainbridge Island	WA
2009	No	Plasmatreat North America Inc.; Ford Motor Company	<a href="#">Openair™ Plasma Surface Treatment: Reducing Emissions of Volatile Organic Compounds and Improving Environmentally Sensitive Paint Processes (abstract)</a>	Dearborn	MI
2009	No	PPG Industries, Inc.	<a href="#">Green Logic™: Chitosan-Enhanced Paint Detackifier (abstract)</a>	Troy	MI
2009	No	PPG Industries, Inc.	<a href="#">Zircobond™ Pretreatment (abstract)</a>	Troy	MI
2009	Yes	Procter & Gamble Company, the; Cook Composites and Polymers Company	<a href="#">Chempol® MPS Resins and Sefose® Sucrose Esters Enable High-Performance Low-VOC Alkyd Paints and Coatings (summary and podcast)</a>	Cincinnati	OH



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2009	No	SABIC Innovative Plastics	<a href="#"><u>Chemical Conversion of Post-Consumer Recycled Polyethylene Terephthalate Waste into Sustainable Valox iQ™ and Xenoy iQ™ Engineering Thermoplastic Products (abstract)</u></a>	Mount Vernon	IN
2009	No	Schweitzer, Linda; Oakland University; Reed, Robert; University of Missouri; Earth Science Laboratories, Inc.	<a href="#"><u>EarthTec®: Green Water Treatment (abstract)</u></a>	Rochester	MI
2009	No	Sherwin-Williams Company, The	<a href="#"><u>High-Solids Hybrid Sucrose Ester Polymer Technology (abstract)</u></a>	Cleveland	OH
2009	No	STERIS Corporation; Virox Technologies	<a href="#"><u>An Alternative to Aldehyde-Based Liquid Chemical Sterilants and High-Level Disinfectants for Reprocessing Heat-Sensitive, Semi-Critical Medical Instruments (abstract)</u></a>	Mentor	OH
2009	No	TDA Research, Inc.; Cytec Industries Inc.	<a href="#"><u>Replacement for Solvent-Based, Chromate-Containing Primer (abstract)</u></a>	Golden	CO
2009	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#"><u>Diesel DeNO<sub>x</sub> Catalyst (abstract)</u></a>	Argonne	IL
2009	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#"><u>Resin Wafer Technology (abstract)</u></a>	Argonne	IL
2009	No	VeruTEK Technologies, Inc.	<a href="#"><u>Green Synthesis of Nanometal Catalysts and Plant Surfactant-Based, In Situ Chemical Oxidation for Sustainable Treatment and Remediation (abstract)</u></a>	Bloomfield	CT
2009	Yes	Virent Energy Systems, Inc.	<a href="#"><u>BioForming® Process: Catalytic Conversion of Plant Sugars into Liquid Hydrocarbon Fuels (summary and podcast)</u></a>	Madison	WI
2009	No	Water Conservation Technology International, Inc.	<a href="#"><u>Sustainable, Natural Green Chemistry for Cooling Water Treatment (abstract)</u></a>	Temecula	CA
2009	No	Wender, Paul A.; Stanford University	<a href="#"><u>Green Chemistry through Function-Oriented Synthesis, Step Economy, and Ideal Synthesis (abstract)</u></a>	Stanford	CA
2009	No	ZeaChem Inc.	<a href="#"><u>Cellulose-Based Fuels and Intermediate Chemicals (abstract)</u></a>	Lakewood	CO
2009	No	Zep Inc.	<a href="#"><u>Renewable-Resource Industrial Products (abstract)</u></a>	Atlanta	GA

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2010	No	A.S. Trust & Holdings, Inc.	<a href="#"><u>HCR-188C1: A.S. Trust &amp; Holdings, Inc.'s All-New, High-Efficiency Hydrocarbon Refrigerant With No Impact on Global Warming or the Ozone Layer (abstract)</u></a>	Kaneohe	HI
2010	No	Advanced Technology Materials, Inc.	<a href="#"><u>RegenSi™: A Wafer Reclaim Solution with a Low Carbon Footprint that Extends the Life Cycle of Silicon Test Wafers (abstract)</u></a>	Danbury	CT
2010	No	AkzoNobel Functional Chemicals, LLC	<a href="#"><u>Bipolar Membrane Electrodialysis for Greener Processing of Chelates (abstract)</u></a>	Chicago	IL
2010	No	APTech Group, Inc.	<a href="#"><u>Safer, Sustainable, Biodegradable, Solid-State Chemistry for Treating Cooling Water Systems (abstract)</u></a>	Cincinnati	OH
2010	No	Baker Hughes Incorporated	<a href="#"><u>Highly Water-Dispersed Oilfield Corrosion Inhibitors Eliminate over One Million Pounds of Nonrenewable Solvents Annually (abstract)</u></a>	Sugar Land	TX
2010	No	Bayer MaterialScience, LLC	<a href="#"><u>IMPACT Technology: A Greener Polyether Polyol Process (abstract)</u></a>	South Charleston	WV
2010	No	BCR Environmental LLC; SABIC Innovative Plastics	<a href="#"><u>Recovering and Using a Formerly Incinerated Sodium Nitrite Waste Stream to Disinfect and Stabilize Municipal Biosolids (abstract)</u></a>	Jacksonville	FL
2010	No	Bend Research Inc.	<a href="#"><u>Spray-Dried Dispersions Based on Hydroxypropyl Methylcellulose Acetate Succinate for Delivery of Low-Solubility Drugs (abstract)</u></a>	Bend	OR
2010	No	Berry Plastics; Flame Chk Inc.; Chemische Fabrik Budenheim KG	<a href="#"><u>Nonhalogenated Flame Retardant for Use in High-Performance Adhesives and Coatings (abstract)</u></a>	Bristol	RI
2010	No	BioFuelBox, Inc.	<a href="#"><u>Supercritical–Solid Catalyst Reaction Process for Converting Waste Fats, Oils, and Greases into Premium Biodiesel (abstract)</u></a>	San Jose	CA
2010	No	Cargill, Incorporated	<a href="#"><u>The Development and Commercialization of a Low-pH, Lactic Acid Process for Renewable Plastics (abstract)</u></a>	Minnetonka	MN
2010	No	Chemguard Ltd.	<a href="#"><u>Elimination of Perfluorinated Alkyl Surfactants from Fire-Fighting Foams (abstract)</u></a>	Mansfield	TX
2010	Yes	Clarke	<a href="#"><u>Natular™ Larvicide: Adapting Spinosad for Next-Generation</u></a>	Roselle	IL

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			<a href="#">Mosquito Control (summary and podcast)</a>		
2010	No	Codexis, Inc.	<a href="#">Rapid Enablement of Green Processes for Chiral Alcohols by the Codex™ Panel of Robust, Divergent Evolvants of One Ancestral Ketoreductase (abstract)</a>	Redwood City	CA
2010	No	Cortec Corporation	<a href="#">Corrosion Control with a Greener Pathway (abstract)</a>	St. Paul	MN
2010	No	Cytec Industries Inc.	<a href="#">UV-Curable Pressure Sensitive Adhesive (abstract)</a>	Woodland Park	NJ
2010	No	Dionex Corporation	<a href="#">Accelerated Solvent Extraction with Solvent Saver Mode™: Reducing Organic Solvent Consumption and Waste in Laboratories (abstract)</a>	Sunnyvale	CA
2010	No	Dow Chemical Company, The	<a href="#">An Innovative Approach to Texturizers without Hydrofluoric Acid or Nitric Acid for Multicrystalline Silicon Photovoltaics (abstract)</a>	Marlborough	MA
2010	No	Dow Chemical Company, The	<a href="#">Energy Savings from a New Manufacturing Route for Vinyl Methyl Ether (abstract)</a>	Midland	MI
2010	Yes	Dow Chemical Company, The; BASF	<a href="#">Innovative, Environmentally Benign Production of Propylene Oxide via Hydrogen Peroxide (summary and podcast)</a>	Midland	MI
2010	No	E. I. du Pont de Nemours and Company	<a href="#">Cerenol® Polyol Technology Platform for a Sustainable Bio-Based Economy (abstract)</a>	Wilmington	DE
2010	No	Henkel Technologies	<a href="#">A Safer, Environmentally Superior, High-Performance Acid Inhibitor Designed to Protect Metallic Infrastructure during Industrial Cleaning (abstract)</a>	Madison Heights	MI
2010	Yes	Liao, James C.; Easel Biotechnologies, LLC; University of California, Los Angeles	<a href="#">Recycling Carbon Dioxide to Biosynthesize Higher Alcohols (summary and podcast)</a>	Los Angeles	CA
2010	Yes	LS9, Inc.	<a href="#">Microbial Production of Renewable Petroleum™ Fuels and Chemicals (summary and podcast)</a>	South San Francisco	CA
2010	No	MacGillivray, Leonard R.; University of Iowa; University of Iowa Research Foundation	<a href="#">Template-Controlled Reactivity in the Organic Solid State (abstract)</a>	Iowa City	IA

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2010	Yes	Merck & Co., Inc.; Codexis, Inc.	<a href="#">Greener Manufacturing of Sitagliptin Enabled by an Evolved Transaminase (summary and podcast)</a>	Rahway	NJ
2010	No	Pennakem LLC	<a href="#">2-Methyltetrahydrofuran: A Green Alternative to Oil Derived Ethers and Chlorinated Solvents (abstract)</a>	Memphis	TN
2010	No	Preventive Technology Inc.	<a href="#">PRE-TEC 3000®: An Environmentally Friendly Wood Treatment (abstract)</a>	Greenville	SC
2010	No	STERIS Corporation	<a href="#">An Environmentally Friendly Alternative for Cleaning Surgical Instruments in Healthcare Facilities (abstract)</a>	Mentor	OH
2010	No	Sun, Xiuzhi Susan; Kansas State University; SoyResin, LLC	<a href="#">Green Process of Unfolding Soy Protein Polymers for Green Adhesives (abstract)</a>	Manhattan	KS
2010	No	Thermphos USA Corp.	<a href="#">Dequest® PB: Carboxymethyl Inulin, A Versatile Scale Inhibitor from the Roots of Chicory (abstract)</a>	Mechanicsville	VA
2010	No	Troy Corporation	<a href="#">Source Reduction and Sustainability through Use of Mergal® 753 Antimicrobial Preservative (abstract)</a>	Florham Park	NJ
2011	No	Aeroclay, Inc.; Schiraldi, David; Case Western Reserve University	<a href="#">AeroClay®: A Green Aerogel for Industry (abstract)</a>	Solon	OH
2011	No	BASF Corporation	<a href="#">Green Sense<sup>SM</sup> Concrete (abstract)</a>	Beachwood	OH
2011	No	Battelle Memorial Institute	<a href="#">Bio-Derived Green Primary Polyvinyl Chloride Plasticizers with Improved Thermal Stability and Plasticization Efficiency (abstract)</a>	Columbus	OH
2011	Yes	BioAmber, Inc.	<a href="#">Integrated Production and Downstream Applications of Biobased Succinic Acid (summary and podcast)</a>	Minneapolis	MN
2011	No	Champion Technologies, Inc.	<a href="#">Lysine-Based Phosphonate Scale Inhibitor with Improved Biodegradation and Maintained Performance (abstract)</a>	Houston	TX
2011	No	Chemical Safety Software	<a href="#">Source Reduction through Software Technology (abstract)</a>	Emeryville	CA
2011	No	Commercial Fluid Power LLC	<a href="#">Elimination of Hexavalent Chromium from Hydraulic and Pneumatic Tubing and Bar (abstract)</a>	La Porte	IN
2011	No	Cytect Industries Inc.	<a href="#">iSUSTAIN® Green Chemistry Index Tool for Sustainable Development (abstract)</a>	Woodland Park	NJ

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2011	No	Cytec Industries Inc.	<a href="#">Waterborne, Ambient-Cure, Stain-Blocking Primer (abstract)</a>	Woodland Park	NJ
2011	No	Desilube; United Soybean Board	<a href="#">High Performance Soy-Based Metalworking Fluid (abstract)</a>	St. Louis	MO
2011	No	Diversey Inc.	<a href="#">ReNew Air Scrubber Technology (abstract)</a>	Sturtevant	WI
2011	No	Dober Chemical Corporation	<a href="#">A Safer, Less Toxic, Reliable, and Green Water Treatment by Smart Release® Technology (abstract)</a>	Woodridge	IL
2011	No	Earth Friendly Products	<a href="#">Earth Conscious Chemistry: Eliminating 1,4 Dioxane in Cleaning Products (abstract)</a>	Garden Grove	CA
2011	No	Ecolab Inc.	<a href="#">DryExx Conveyor Lubricant Program (abstract)</a>	Eagan	MN
2011	No	Ecolab Inc.	<a href="#">Low-Temperature Cleaning In Place (abstract)</a>	Eagan	MN
2011	No	Eli Lilly and Company	<a href="#">Continuous Processing Enables a Convergent Route to a New Drug Candidate: LY2624803*H3PO4 (abstract)</a>	Indianapolis	IN
2011	No	Finn, M. G.; The Scripps Research Institute	<a href="#">Metal Adhesive Polymers from Cu(I)-Catalyzed Azide-Alkyne Cycloaddition: a New Approach to Solder Replacements (abstract)</a>	La Jolla	CA
2011	No	FMC Corporation	<a href="#">VigorOx® Biocide: Advancing Environmentally Responsible Energy Production (abstract)</a>	Philadelphia	PA
2011	No	Foam Supplies, Inc.	<a href="#">Ecomate® Environmentally Benign Blowing Agent for Polyurethane Foams (abstract)</a>	Earth City	MO
2011	No	Fuel Energy Service Corporation	<a href="#">Surachi Fuel Technology (abstract)</a>	Mobile	AL
2011	No	Genencor	<a href="#">Gentle Power Bleach™: A Revolutionary Enzymatic Textile Bleaching System (abstract)</a>	Palo Alto	CA
2011	No	General Motors	<a href="#">Applying Green Chemistry Principles to Enable Zero-Waste Manufacturing (abstract)</a>	Grand Blanc	MI
2011	Yes	Genomatica	<a href="#">Production of Basic Chemicals from Renewable Feedstocks at Lower Cost (summary and podcast)</a>	San Diego	CA
2011	No	Hach Company	<a href="#">Simplified Total Kjeldahl Nitrogen Method for Wastewater: A Green</a>	Loveland	CO

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2011	No	JEEN International	<a href="#">Alternative to Traditional Kjeldahl Methodology (abstract)</a> <a href="#">Polyelectrolytes: Reduce Your Carbon Footprint Using an Eco-Friendly Technology to Disperse Wax in Water without Heat (abstract)</a>	Fairfield	NJ
2011	Yes	Kraton Performance Polymers, Inc.	<a href="#">NEXAR™ Polymer Membrane Technology (summary and podcast)</a>	Houston	TX
2011	Yes	Lipshutz, Bruce H.; University of California, Santa Barbara	<a href="#">Towards Ending Our Dependence on Organic Solvents (summary and podcast)</a>	Santa Barbara	CA
2011	No	L'Oreal USA	<a href="#">Kiehl's "Aloe Vera" Biodegradable Liquid Body Cleanser (abstract)</a>	Clark	NJ
2011	No	Lubrizol Corporation, The	<a href="#">Positive Environmental Impact of Novel Crankcase Lubricant Technology (abstract)</a>	Wickliffe	OH
2011	No	Natural State Research, Inc.	<a href="#">Conversion of Waste Plastics into Fuel (abstract)</a>	Stamford	CT
2011	No	Novozymes North America, Inc.	<a href="#">Enabling a Sustainable Biorefinery with Green Chemistry: Enzymatic Hydrolysis of Lignocellulosic Biomass for the Production of Advanced Biofuels and Renewable Chemicals (abstract)</a>	Franklinton	NC
2011	No	Orono Spectral Solutions	<a href="#">Device and Method for Analyzing Oil and Grease in Wastewaters without Solvent (abstract)</a>	Old Town	ME
2011	No	Pacific Scientific Energetic Materials Co.	<a href="#">New Lead Free Materials for Replacement of Existing Primary Explosives (abstract)</a>	Chandler	AZ
2011	No	Piedmont Biofuels Industrial, LLC	<a href="#">Enzymatic Catalysis for Biodiesel Production (abstract)</a>	Pittsboro	NC
2011	No	Polar Industries, Inc.	<a href="#">Zero-VOC, BioBased HiOmega® Linseed Oil Epoxies, Adhesives, and Alkyd Resins as Replacements for Epichlorohydrin–Epoxy Resins and Other VOC-containing Coatings, Paints, Adhesives, and Epoxies (abstract)</a>	Miami	FL
2011	No	PPG Industries, Inc.	<a href="#">Waterborne Refinish Coatings Manufacture (abstract)</a>	Strongsville	OH
2011	No	Rochester Midland Corporation	<a href="#">Enhance O<sub>2</sub> Soil Remover for Commercial Fryers (abstract)</a>	Rochester	NY

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2011	No	Rochester Midland Corporation	<a href="#"><u>PRS Water Damage PreClean: Biological Cleaning for Restoration and Remediation (abstract)</u></a>	Rochester	NY
2011	No	Savage, Phillip E.; University of Michigan	<a href="#"><u>Terephthalic Acid Synthesis at High Concentrations in High-Temperature Liquid Water (abstract)</u></a>	Ann Arbor	MI
2011	Yes	Sherwin Williams Company, The	<a href="#"><u>Water-based Acrylic Alkyd Technology (summary and podcast)</u></a>	Cleveland	OH
2011	No	Sigma-Aldrich	<a href="#"><u>Green Chemistry Process for the Large-Scale Manufacture of Polyamino Acids (abstract)</u></a>	St. Louis	MO
2011	No	Solvair LLC	<a href="#"><u>Solvair Cleaning System (abstract)</u></a>	Naperville	IL
2011	No	Steward Advanced Materials	<a href="#"><u>Development and Commercial Application of SAMMS<sup>®</sup>: A Novel Compound that Adsorbs and Removes Mercury and Other Toxic Heavy Metals (abstract)</u></a>	Chattanooga	TN
2011	No	Terrabon, Inc.	<a href="#"><u>Conversion of Municipal Solid Wastes to Drop-In Fuels and Chemicals (abstract)</u></a>	Houston	TX
2011	No	Timber Treatment Technologies, LLC	<a href="#"><u>TimberSIL<sup>®</sup> (abstract)</u></a>	Springfield	VA
2011	No	Tower Oil & Technology Co.	<a href="#"><u>Saf-T-Vanish<sup>®</sup>: A Zero-VOC, Green Replacement for Petroleum Solvent Vanish Oils (abstract)</u></a>	Chicago	IL
2011	No	van Heiningen, Adriaan; Genco, Joseph; Pendse, Hemant; van Walsum, Peter; University of Maine	<a href="#"><u>Pre-Pulping Extraction of Hardwood Chips to Recover Hemicelluloses as a High-Value Renewable Chemical Feedstock that Reduces Waste and Saves Fossil Fuel (abstract)</u></a>	Orono	ME
2011	No	WM Barr & Company, Inc.	<a href="#"><u>Klean-Strip<sup>®</sup> Green<sup>™</sup> Safer Paint Thinner (abstract)</u></a>	Memphis	TN
2012	No	Albemarle Corporation	<a href="#"><u>Concrete-Friendly<sup>™</sup> Powdered Active Carbon (C-PAC<sup>™</sup>) to Remove Mercury from Flue Gas Safely (abstract)</u></a>	Baton Rouge	LA
2012	No	Armstrong World Industries, Inc.	<a href="#"><u>BioBased Tile<sup>®</sup>: A Non-PVC Flooring Made with Rapidly Renewable Resources (abstract)</u></a>	Lancaster	PA
2012	No	Ashland Performance Materials	<a href="#"><u>Envirez<sup>™</sup> Technology: Incorporating Renewable and Recycled Feedstocks into Unsaturated Polyester Resins (abstract)</u></a>	Dublin	OH
2012	No	BASF Corporation	<a href="#"><u>Compostable Multilayer Food Packaging (abstract)</u></a>	Wyandotte	MI



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2012	No	Bayer MaterialScience and Bayer AG	<a href="#">One-Component, UV-Curable, Waterborne Polyurethane Coatings (abstract)</a>	Pittsburgh	PA
2012	No	BCD Group-II, Inc.	<a href="#">Producing Chemicals and Carbon from Waste Tires, Plastics, Carpet, and Biomass (abstract)</a>	Cincinnati	OH
2012	No	Bennett, Jacqueline; State University of New York Oneonta; SUNY Research Foundation	<a href="#">Ethyl L-Lactate as a Tunable Solvent for Greener Synthesis of Diaryl Aldimines (abstract)</a>	Oneonta	NY
2012	No	Blue Marble Biomaterials LLC	<a href="#">Greening the Design of Chemical Production with Microbes (abstract)</a>	Missoula	MT
2012	Yes	Buckman International, Inc.	<a href="#">Enzymes Reduce the Energy and Wood Fiber Required to Manufacture High- Quality Paper and Paperboard (summary and podcast)</a>	Memphis	TN
2012	No	CCP Composites	<a href="#">FIREBLOCK™ Intumescent Resin (abstract)</a>	Kansas City	MO
2012	Yes	Coates, Geoffrey W.; Cornell University	<a href="#">Synthesizing Biodegradable Polymers from Carbon Dioxide and Carbon MoNO<sub>x</sub>ide (summary and podcast)</a>	Ithaca	NY
2012	Yes	Codexis, Inc.; Yi Tang; University of California, Los Angeles	<a href="#">An Efficient Biocatalytic Process to Manufacture Simvastatin (summary and podcast)</a>	Redwood City	CA
2012	No	Colonial Chemical, Inc.	<a href="#">Suga®Nate: A Safer, Milder, Greener Surfactant (abstract)</a>	South Pittsburg	TN
2012	No	Cooper Power Systems	<a href="#">Vegetable Oil Insulating Fluid for Improved High Voltage Transformer Capability (abstract)</a>	Waukesha	WI
2012	No	CPS Biofuels, Inc.	<a href="#">Glycerol tert-Butyl Ether (GTBE): A Biofuel Additive for Today (abstract)</a>	Virginia Beach	VA
2012	No	Cytec Industries Inc.	<a href="#">Saturated Polyester–Phenolic Resin Systems Eliminate Bisphenol A and Epoxy from Interior Can Coatings for Food Packaging (abstract)</a>	Woodland Park	NJ
2012	Yes	Cytec Industries Inc.	<a href="#">MAX HT® Bayer Sodalite Scale Inhibitor (summary and podcast)</a>	Woodland Park	NJ
2012	No	DuPont Company	<a href="#">Chlorantraniliprole: Increased Food Production, Reduced Risks, More Sustainable Agriculture (abstract)</a>	Wilmington	DE
2012	No	DuPont Company and Butamax™ Advanced BioFuels LLC	<a href="#">Production of Isobutanol from the Synergy between Metabolic and Process Engineering (abstract)</a>	Wilmington	DE

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2012	No	e2e Materials, Inc.	<a href="#">Formaldehyde-Free, High-Strength Biocomposites from Sustainable Resources (abstract)</a>	Ithaca	NY
2012	No	Ecology Coatings	<a href="#">Generally Recognized as Safe (GRAS) Coatings (abstract)</a>	Warren	MI
2012	No	Electrovaya Inc.	<a href="#">Zero-Emission Production of the Green Lithium Ion SuperPolymer® Battery (abstract)</a>	Malta	NY
2012	Yes	Elevance Renewable Sciences, Inc.	<a href="#">Using Metathesis Catalysis to Produce High-Performing, Green Specialty Chemicals at Advantageous Costs (summary and podcast)</a>	Woodridge	IL
2012	No	Eli Lilly and Company	<a href="#">Grignards Going Greener by Continuous Processing (abstract)</a>	Indianapolis	IN
2012	No	IBM Corporation	<a href="#">Catalytic Treatment of Hydrogen Peroxide in IBM Semiconductor Wastewater (abstract)</a>	Hopewell Junction	NY
2012	No	IBM Corporation	<a href="#">Elimination of PFOS and PFOA in IBM Semiconductor Manufacturing Processes and Development of Photoacid Generators Free of Perfluoroalkyl Sulfonates (abstract)</a>	Hopewell Junction	NY
2012	No	InfiChem Polymers, LLC	<a href="#">InfiGreen™ Polyols (abstract)</a>	Sterling Heights	MI
2012	No	John, George; The City College of the City University of New York	<a href="#">Sustainable Molecular Design through Biorefineries: Biomass as an Enabling Platform for Safe Oil-Thickening Agents (Amphiphiles) (abstract)</a>	New York	NY
2012	No	Johnson & Johnson Consumer Companies, Inc.; AkzoNobel Surface Chemistry LLC	<a href="#">NATRASURF™ PS-111 Polymeric Surfactant: Achieving Next Generation Mildness in Personal Care Products with a Reduced Environmental Footprint (abstract)</a>	Skillman	NJ
2012	No	Kop-Coat, Inc.	<a href="#">Tru-Core® Protection System for Wood (abstract)</a>	Pittsburg	PA
2012	No	LubriGreen Biosynthetics	<a href="#">Development and Commercialization of Oleic Estolide Esters (abstract)</a>	Irvine	CA
2012	No	Mascal, Mark; University of California, Davis	<a href="#">Chemical Conversion of Biomass into New Generations of Renewable Fuels, Polymers, and Value-Added Products (abstract)</a>	Davis	CA
2012	No	Masterchem Brands	<a href="#">KILZ MAX™ PRIMER-SEALER-STAINBLOCKER: Oil-Based Performance in a Water-Based Formula</a>	Chesterfield	MO

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			<a href="#">with Less Environmental Impact (abstract)</a>		
2012	No	NALCO	<a href="#">NALCO's APEX™ Program: Sustainable Technology for Paint Detackification (abstract)</a>	Coraopolis	PA
2012	No	Novomer, Inc.	<a href="#">High-Performance Polyols from CO<sub>2</sub> at Low Cost (abstract)</a>	Waltham	MA
2012	No	NSR Technologies, Inc.	<a href="#">Electrodialysis and Chromatographic Separation Technology for Chlorine- Free Production of Potassium Hydroxide and Hydrochloric Acid (abstract)</a>	Decatur	IL
2012	No	OPX Biotechnologies, Inc.	<a href="#">Producing Industrial Chemicals by Fermenting Renewable Feedstocks at a Lower Cost (abstract)</a>	Boulder	CO
2012	No	Performance Chemicals, LLC	<a href="#">BURN-OUT™ Durable, Green, Nontoxic Flame Retardant (abstract)</a>	Concord	NH
2012	No	Pfizer	<a href="#">New Green Commercial Biocatalytic Route to Atorvastatin Calcium, the Lipitor API (abstract)</a>	Kalamazoo	MI
2012	No	Plata, Desirée L.; Duke University	<a href="#">Improved Resource Use in Carbon Nanotube Synthesis via Mechanistic Understanding (abstract)</a>	Durham	NC
2012	No	RajanBabu, T. V. (Babu); The Ohio State University	<a href="#">Ethylene: A Feedstock for Fine Chemical Synthesis (abstract)</a>	Columbus	OH
2012	No	RPS Environmental Solutions, LP	<a href="#">Zero-VOC Cleaning and Remediation Technology (abstract)</a>	Dallas	TX
2012	No	SiGNa Chemistry, Inc.	<a href="#">Sodium Silicide: A New Alkali Metal Derivative for Safe, Sustainable, and On-Demand Generation of Hydrogen (abstract)</a>	New York City	NY
2012	No	Tandus Flooring	<a href="#">Ethos™ Modular Commercial Floor Coverings (abstract)</a>	Dalton	GA
2012	No	U.S. Department of Energy, Pacific Northwest National Laboratory; Archer Daniels Midland Company	<a href="#">Propylene Glycol from Renewable Resources (abstract)</a>	Richland	WA
2012	No	Verdezyne, Inc.	<a href="#">Biobased Adipic Acid for Renewable Nylon and Polyurethane Resins (abstract)</a>	Carlsbad	CA
2012	No	Verenium Corporation	<a href="#">Pyrolase® Cellulase Enzyme Breaker as a Biodegradable Replacement for Corrosive Acids and Oxidizers in</a>	San Diego	CA

Year	Winner	Nomination Sponsor	Nominated Technology Title (abstract/summary)	City	St.
			<a href="#"><u>Hydraulic Fracturing Operations (abstract)</u></a>		
2012	No	VH Biotechnology, Inc.	<a href="#"><u>Bacteriocins: A Green, Antimicrobial Pesticide (abstract)</u></a>	League City	TX
2012	Yes	Waymouth, Robert M.; Stanford University; Hendrick, James L.; IBM Almaden Research Center	<a href="#"><u>Organic Catalysis: A Broadly Useful Strategy for Green Polymer Chemistry (summary and podcast)</u></a>	Stanford	CA
2013	No	Advanced Biocatalytics Corporation (ABC)	<a href="#"><u>Changing the Nature of Surfactants: Protein-Surfactant Synergists With Enhanced Cleaning Power and Bioremediation Abilities (abstract)</u></a>	Irvine	CA
2013	No	AkzoNobel Surface Chemistry, LLC	<a href="#"><u>Hybrid Polymers (abstract)</u></a>	Chicago	IL
2013	No	AnCatt Inc.	<a href="#"><u>Conductive Polymer Nanodispersion (CPND) and the Environmentally Friendly Heavy-Duty Anti-Corrosion Coating Platform Technology (abstract)</u></a>	Newark	DE
2013	No	Armstrong World Industries	<a href="#"><u>Breakthrough Coating for Ceiling Tiles (abstract)</u></a>	Lancaster	PA
2013	No	AstraZeneca and Forest Laboratories	<a href="#"><u>An Order of Magnitude Improvement in Sustainability through Core Application of Green Chemistry Principles: The Process Development of Avibactam (abstract)</u></a>		
2013	Yes	Cargill, Inc.	<a href="#"><u>Vegetable Oil Dielectric Insulating Fluid for High-Voltage Transformers (summary)</u></a>	Brookfield	WI
2013	No	Dow Chemical Company, The	<a href="#"><u>INFUSE™ Olefin Block Copolymers (abstract)</u></a>	Midland	MI
2013	Yes	Dow Chemical Company, The	<a href="#"><u>EVOQUE™ Pre-Composite Polymer Technology (summary)</u></a>	Midland	MI
2013	No	DSM Biobased Products and BP Biofuels	<a href="#"><u>Sugar to Diesel (Bio-Diesel from Microbial Oil) -- A Sustainable, Scalable and Affordable Option to Petroleum Diesel (abstract)</u></a>	Columbia	MD
2013	No	DuPont and Goodyear	<a href="#"><u>An Innovative Cell Factory and Bioprocess for Production of Biolisoprene™ Monomer (abstract)</u></a>	Palo Alto	CA
2013	Yes	Faraday Technology, Inc.	<a href="#"><u>Functional Chrome Coatings Electrodeposited from a Trivalent Chromium Plating Electrolyte (summary)</u></a>	Clayton	OH

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2013	No	FRX POLYMERS® Inc.	<a href="#">Polymeric, Non-Halogenated Flame Retardants with Broad Applicability in Multiple Industries (abstract)</a>	Chelmsford	MA
2013	No	GeoTree Technologies, Inc.	<a href="#">GeoSpray™ Geopolymer Mortar System for Structural Rehabilitation of Sewer and Storm Water Infrastructure (abstract)</a>	Lafayette	CO
2013	No	Infinite Enzymes	<a href="#">Infinite Enzymes: Low-Cost, Plant-Based Enzymes for Converting Cellulosic Biomass into Biofuels and Other Biobased Products (abstract)</a>	State University	AR
2013	No	International Products Corporation	<a href="#">Temporary Assembly Lubricants for Rubber and Plastic Articles Using Renewable Oil-in-Water Emulsion Technology (abstract)</a>	Burlington	NJ
2013	Yes	Life Technologies Corporation	<a href="#">Safe, Sustainable Chemistries for the Manufacturing of PCR Reagents (summary)</a>	Austin	TX
2013	No	Lonza, Inc.	<a href="#">Dantogard 2000 Preservative: An Antimicrobial Technology with Reduced Environmental Impact for Hydraulic Fracturing of Shale Gas Plays (abstract)</a>	Allendale	NJ
2013	No	Monsanto and Biosynthetic Technologies	<a href="#">Vistive® Gold Soybeans and Biosynthetic Technologies Enable Biodegradable, Non-Toxic, Renewable, and Economical Industrial Bio-Lubricants (abstract)</a>	St. Louis	MO
2013	No	Multi-Chem, A Halliburton Service	<a href="#">The Use of Nitrate and Selected Live Strains of Nitrate Reducing Bacteria to Replace the Use of Biocide in Hydraulic Fracturing Operations (abstract)</a>	Houston	TX
2013	No	Myriant Corporation	<a href="#">Expanding the Renewable Polymers "Tool Kit" with Bio-Succinic Acid (abstract)</a>	Woburn	MA
2013	No	Myriant Corporation	<a href="#">Bio-based Chemicals from Low-cost Lignocellulosic Sugars (abstract)</a>	Woburn	MA
2013	No	Nalco Champion, An Ecolab Company	<a href="#">eVerified ASP560: An Environmentally Friendly Corrosion Inhibitor (abstract)</a>	Sugar Land	TX
2013	No	New Sky Energy, LLC	<a href="#">Sustainable Soda Ash for the Glass Industry (abstract)</a>	Boulder	CO

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2013	No	Novozymes	<a href="#">Enzymes for the Production of Economical Sugars: A Linchpin of the Carbohydrate Economy (abstract)</a>	Franklinton	NC
2013	No	Owens Corning	<a href="#">Sustainability and Owens Corning's EcoTouch™ Insulation Conversion (abstract)</a>	Newark	OH
2013	No	Subramaniam, Bala; University of Kansas	<a href="#">A Greener Hydroformylation Technology (abstract)</a>	Lawrence	KS
2013	No	Systea Scientific, LLC	<a href="#">Easy (1-Reagent) Nitrate Method: A Green Alternative to Traditional USEPA Approved Nitrate Methods (abstract)</a>	Oak Brook	IL
2013	No	Thames, S. F.; Rawlins, J. W.; The University of Southern Mississippi	<a href="#">Formaldehyde-Free Commercial-Grade Particleboards Based Solely on Soybean Protein Adhesive (abstract)</a>	Hattiesburg	MS
2013	No	U.S. Department of Energy, Argonne National Laboratory	<a href="#">Upcycling Process That Converts Unsorted Plastic Waste into Functional Carbon Materials (abstract)</a>	Argonne	IL
2013	No	Virent, Inc.	<a href="#">Converting Plant Sugars into Paraxylene for 100% Renewable, 100% Recyclable Packaging and Fibers (abstract)</a>	Madison	WI
2013	No	Washing Systems LLC	<a href="#">Pure Solutions Chemical Line for Laundries (abstract)</a>	Loveland	OH
2013	Yes	Wool, Richard P.; U Delaware	<a href="#">Sustainable Polymers and Composites: Optimal Design (summary)</a>	Newark	DE
2014	No	ACTA Technology Inc.	<a href="#">A Greener, Safer and More Efficient Antifreeze (abstract)</a>	Boulder	CO
2014	No	Advanced Technology Materials, Inc. (ATMI), an Entegris company	<a href="#">The eVOLV™ System, a Clean, Sustainable Solution to Electronic Waste (abstract)</a>	Danbury	CT
2014	No	AkzoNobel Functional Chemicals, LLC	<a href="#">Improved Performance and HSE Profile of a Novel Stimulation Fluid for Oil and Natural Gas Wells (abstract)</a>	Chicago	IL
2014	Yes	Amyris	<a href="#">Farnesane: a Breakthrough Renewable Hydrocarbon for Use as Diesel and Jet Fuel (summary and podcast)</a>	Emeryville	CA
2014	No	Archroma	<a href="#">Earthcolors Technology (abstract)</a>	Charlotte	NC
2014	No	Arizona Chemical Company, LLC	<a href="#">SYLVAROAD™ RP 1000 Performance Additive: A Sustainable, Pine-Based Additive to Enable High Re-Use of Reclaimed Asphalt Pavement (abstract)</a>	Savannah	GA

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2014	No	Atsumi, Shota; University of California, Davis	<a href="#"><u>Green Biological Production of Short and Medium Chain Esters (abstract)</u></a>	Davis	CA
2014	No	Bay State Tech, LLC	<a href="#"><u>Consumer Viable and Environmentally Friendly Solvent Replacements Developed From Food Grade Compounds (abstract)</u></a>	Baltimore	MD
2014	No	Blair, Richard; University of Central Florida, The	<a href="#"><u>The Scalable Production of Edge Functionalized Few Layer Graphene Oxide (abstract)</u></a>	Orlando	FL
2014	No	Boeing Company, The; Boeing Research & Technology	<a href="#"><u>Boegel Surface Activation Technology Suite (abstract)</u></a>	Seattle	WA
2014	No	Copperhead Chemical Company Inc.	<a href="#"><u>Novel, Effective, Safe Delivery System for Antimicrobial Agents Derived from Sustainable Vegetable Monoglycerides (abstract)</u></a>	Tampa	FL
2014	No	Cytec Industries Inc.	<a href="#"><u>Cylinderized Phosphine as Safer, More Environmentally Friendly Alternatives to Traditional Stored Product Fumigants (abstract)</u></a>	Stamford	CT
2014	No	Dow Chemical Company, The	<a href="#"><u>Sustainable Microbial Control Treatments for Hydraulic Fracturing (abstract)</u></a>	Buffalo Grove	IL
2014	No	Dow Chemical Company, The	<a href="#"><u>BETAMATE™ and BETAFORCE™ Structural Adhesives Improve Automotive Fuel Efficiency and Emissions (abstract)</u></a>	Midland	MI
2014	No	Dow Chemical Company, The	<a href="#"><u>FORMASHIELD™ Formaldehyde Abatement Technology (abstract)</u></a>	Collegeville	PA
2014	No	Dumesic, James A.; University of Wisconsin-Madison	<a href="#"><u>Enzyme-Free Biomass Depolymerization Using GVL (abstract)</u></a>	Madison	WI
2014	No	E&B Green Solutions	<a href="#"><u>G-Clean® Line of Green Cleaning Products Designed to Clean Hydrocarbons Safely and Effectively (abstract)</u></a>	Hermosa Beach	CA
2014	No	Ecolab	<a href="#"><u>Environmentally Responsible Spore Control Program Through Effective Cleaning and Sanitizing of Heat Exchange Dairy Process Equipment (abstract)</u></a>	Eagan	MN
2014	No	Genentech, Inc.	<a href="#"><u>Targeted Chemotherapy for Solid Tumor Cancer Treatment (abstract)</u></a>	South San Francisco	CA
2014	No	GreenLife Development	<a href="#"><u>Naturama - Oil Surfactant, Green Degreaser and Cleaner (abstract)</u></a>	Las Vegas	NV



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2014	No	Gunasekaran, Sundaram; Yang, Jiang; University of Wisconsin-Madison; LignoCarbon	<a href="#">Green Approaches of Nanocomposite Material Synthesis for Energy Storage, Environmental Surveillance and Sustainable Food Systems (abstract)</a> <a href="#">An Innovative Catalytic Intramolecular Asymmetric Reductive Amination of a Dialkyl Ketone Enables a Highly Efficient, Green Synthesis of Suvorexant (MK-4305) (abstract)</a>	Mountain View	CA
2014	No	Merck & Co., Inc.	<a href="#">Bt Technology, Transforming Insect Control (abstract)</a>	Rahway	NJ
2014	No	Monsanto Company	<a href="#">Ultrasound Induced, Copper Mediated Homo-Coupling Using Polymer Supported Aryltrifluoroborates (abstract)</a>	St. Louis	MO
2014	No	Musolino, Bryan; University of Tennessee, Knoxville	<a href="#">Evotherm® Warm Mix Asphalt Technology (abstract)</a>	JBSA-FSH	TX
2014	No	MWV Specialty Chemicals, a division of MeadWestvaco Corporation	<a href="#">Amended Silicates® HgX (abstract)</a>	North Charleston	SC
2014	No	Novinda Corporation	<a href="#">Polyethylene Terephthalate (PET) Derived Polymers for Coatings (abstract)</a>	Denver	CO
2014	No	PPG Industries, Inc.	<a href="#">Utilization of Elemental Sulfur as a New Chemical Feedstock for Polymeric Materials (abstract)</a>	Pittsburgh	PA
2014	No	Pyun, Jeffrey; Glass, Richard; U of Arizona	<a href="#">Greener Quantum Dot Synthesis for Energy Efficient Display and Lighting Products (summary and podcast)</a>	Tucson	AZ
2014	Yes	QD Vision, Inc.	<a href="#">Tailored Oils Produced from Microalgal Fermentation (summary and podcast)</a>	Lexington	MA
2014	Yes	Solazyme, Inc.	<a href="#">RE-HEALING™ Foam Concentrates— Effective Halogen-Free Firefighting (summary and podcast)</a>	South San Francisco	CA
2014	Yes	Solberg Company, The	<a href="#">Aerobic Oxidation Methods for Pharmaceutical Synthesis (summary and podcast)</a>	Green Bay	WI
2014	Yes	Stahl, Shannon S.; University of Wisconsin- Madison	<a href="#">STEPOSOL® MET-10U. A Bio- derived, Nonionic Surfactant Solution for Solvent Replacement: Source Reduction and Inherently Lower Health Hazards in Hard Surface Cleaning and Adhesive / Paint Removal (abstract)</a>	Madison	WI
2014	No	Stepan Company	<a href="#">CIRKIL Biopesticide (abstract)</a>	Northfield	IL
2014	No	Terramera, Inc.		Buena Park	CA

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2014	No	Washing Systems LLC	<a href="#">Green Detergents for Industrial Laundries (abstract)</a>	Loveland	OH
2014	No	Wyman, Charles; University of California, Riverside	<a href="#">UCR Co-Solv Technology Achieves Unprecedented Yields of Fuel Precursors from Lignocellulosic Biomass (abstract)</a>	Riverside	CA
2015	No	A S Filtration™, LLC	<a href="#">Pathex®/PathShield™ Antimicrobial Filter Media for the Control of Bacteria in Stormwater and Industrial Process Waters (abstract)</a>	Hixson	TN
2015	No	Acid-Amine Technologies, Inc. (AAT)	<a href="#">Using Bioethanol as A Raw Material, To Produce: 1. SAFEN: A Low Cost Nematicide And Fungicide, Based on Ethyl Formate, Which Is Generally Regarded as Safe by the FDA, and Which Biodegrades Into Two Naturally Occurring Substances, with No Lasting Detrimental Effects to Air, Soil and Water; and 2. Ethyl Formate in a Second Development as a Suitable Raw Material for Propionic Acid and Acrylate Production (abstract)</a>	Woodcliff Lake	NJ
2015	Yes	Algenol	<a href="#">The Algenol Biofuel Process: Sustainable Production of Ethanol and Green Crude (summary and picture)</a>	Fort Myers	FL
2015	No	Barreto, Reynaldo; Purdue University North Central	<a href="#">Photocatalytic Oxidations of Ethers with Visible/Near UV Light and the Development of a Continuous Flow Photoreactor (abstract)</a>	Westville	IN
2015	Yes	Chen, Eugene Y.-X.; Colorado State University	<a href="#">Greener Condensation Reactions for Renewable Chemicals, Liquid Fuels, and Biodegradable Polymers (summary and picture)</a>	Fort Collins	CO
2015	No	Eastman Chemical Company	<a href="#">Eastman Omnia™ Solvent – Changing the Chemistry of Clean. New, Safe, Highly Effective Solvent for Cleaning Applications (abstract)</a>	Kingsport	TN
2015	No	Ecolab	<a href="#">OxyCide™ Daily Disinfectant Cleaner (abstract)</a>	Eagan	MN
2015	No	Ecolab	<a href="#">Environmentally Preferable Biocide For Water Treatment in Hydraulic Fracturing (abstract)</a>	Eagan	MN
2015	No	Green Biologics, Inc. (GBI)	<a href="#">The Reinvention of Biomass Based n-Butanol for the Renewable Chemicals Industry (abstract)</a>	Gahanna	OH

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2015	No	Honeywell International	<a href="#">Low Global Warming, Non-VOC, Zero-ODP Molecule for Energy Efficient Polyurethane Foam Insulation Blowing Agent, Solvents, and Heat Transfer (abstract)</a>	Morristown	NJ
2015	Yes	Hybrid Coating Technologies/Nanotech Industries	<a href="#">Hybrid Non-Isocyanate Polyurethane/Green Polyurethane™ (summary and picture)</a>	Daly City	CA
2015	Yes	LanzaTech Inc.	<a href="#">LanzaTech Gas Fermentation Process (summary and picture)</a>	Skokie	IL
2015	No	Licht, Stuart; George Washington University	<a href="#">A Solar Chemical Process to End Anthropogenic Global Warming: STEP Generation of Energetic Molecules (abstract)</a>	Washington	DC
2015	No	Light Curable Coatings	<a href="#">High Performance Solvent-Free Coating Technology (abstract)</a>	Valley View	OH
2015	No	Linde North America	<a href="#">Development of Vapormate as a Replacement for Methyl Bromide Fumigants (abstract)</a>	Murray Hill	NJ
2015	No	Modular Genetics, Inc.	<a href="#">Greener Synthesis of Surfactants (abstract)</a>	Cambridge	MA
2015	No	Phyllom BioProducts	<a href="#">grubGONE!®, beetleGONE!® and boreGONE!®, Biological Insecticides with Low Impact on Humans and the Environment Yet Effective Against Destructive Beetle Pests (abstract)</a>	Oakland	CA
2015	No	PROSOCO, Inc.	<a href="#">PROSOCO R-Guard: High-Performance Phthalate-Free Air and Water Resistive Barrier Sealant and Sealant Coating System (abstract)</a>	Lawrence	KS
2015	Yes	Renmatix	<a href="#">The Plantrose® Process: Supercritical Water as the Economic Enabler of Biobased Industry (summary and picture)</a>	San Francisco	CA
2015	No	Sagamore-Adams Laboratories, LLC	<a href="#">PLATech, Green Chemistry Universal Adhesive-Sealing Technology (abstract)</a>	Chicago	IL
2015	No	Siluria Technologies, Inc.	<a href="#">Cleaner Transportation Fuels and Commodity Chemicals from Methane (abstract)</a>	San Francisco	CA
2015	No	Sirrus, Inc.	<a href="#">1, 1-Disubstituted Alkenes (abstract)</a>	Loveland	OH
2015	Yes	Soltex (Synthetic Oils and Lubricants of Texas)	<a href="#">A Novel High Efficiency Process for the Manufacture of Highly Reactive Polyisobutylene Using a Fixed Bed</a>	Houston	TX

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			<a href="#">Solid State Catalyst Reactor System (summary and picture)</a>		
2015	No	VF Corporation	<a href="#">VF Corporation: CHEM-IQ<sup>SM</sup> (abstract)</a>	Greensboro	NC
2015	No	Voorhees, Kent; Colorado School of Mines	<a href="#">Bacteriophage-Based Bacterial Identification and Antibiotic Resistance Test (abstract)</a>	Golden	CO
2015	No	ZAPS Technologies, Inc.	<a href="#">An Application of Hybrid Multispectral Analysis; Real-Time Wastewater Process Control (abstract)</a>	Corvallis	OR
2015	No	Zhang, Yi-Heng Percival; Cell Free Bioinnovations Inc	<a href="#">Ultra-High Energy Density Metal-Free Sugar Biobattery (abstract)</a>	Blacksburg	VA
2015	No	Zhang, Yi-Heng Percival; Virginia Tech	<a href="#">High-Yield and High-Purity Hydrogen Production from Carbohydrates via Synthetic Enzymatic Pathways (abstract)</a>	Blacksburg	VA
2016	No	3M	<a href="#">Alternative to Sulfur Hexafluoride Enables up to 99% Greenhouse Gas Emission Reduction (abstract)</a>	St. Paul	MN
2016	No	AECOM	<a href="#">Green Nanotechnology Product and Processes for Cleaning Up Contaminated Soil and Groundwater (abstract)</a>	Atlanta	GA
2016	No	Aequor, Inc.	<a href="#">New Chemical Impedes Biofilm Formation and the Adhesion Of Foulers (abstract)</a>	San Diego	CA
2016	No	Alliance Finishing	<a href="#">Plating on Plastics (abstract)</a>	Oxnard	CA
2016	No	Biosynthetic Technologies	<a href="#">Estolides: A Low-Cost, High-Performance Renewable Fluid Certified for Motor Oil (abstract)</a>	Irvine	CA
2016	No	Bristol-Myers Squibb	<a href="#">Discovery, Development and Implementation of New Chemical Technology toward a Novel Commercial Synthesis for the HIV-Attachment Inhibitor, BMS-663068 (abstract)</a>	New Brunswick	NJ
2016	No	Calgon Carbon Corporation	<a href="#">FLUEPAC<sup>®</sup> activated carbon products for superior mercury control from flue gas and green re-use of coal combustion residuals (abstract)</a>	Moon Twp	PA
2016	No	Calysta	<a href="#">Disruptive Methantropic Technology for Sustainable Food, Fuel and Products: Green Chemistry Innovation Enabling US Global Competitiveness</a>	Menlo Park	CA

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			<a href="#"><u>in Low-Carbon, New Economy (abstract)</u></a>		
2016	No	Catalytic Innovations, LLC	<a href="#"><u>Catalytic Electrolysis for Renewable Fuel Generation from Organic Waste Water (abstract)</u></a>	Adamsville	RI
2016	Yes	CB&I; Albemarle	<a href="#"><u>AlkyClean® Technology: An Inherently Safer Technology for the Production of Gasoline Alkylate (summary)</u></a>	Amersfoort	TX
2016	Yes	Chirik, Paul J., Princeton University	<a href="#"><u>Catalysis with Earth Abundant Transition Metals (summary)</u></a>	Princeton	NJ
2016	No	Clean Chemistry, Inc.	<a href="#"><u>PeroxyMAX™ Oxidant Technology for Pollution Prevention in Industrial Sectors (abstract)</u></a>	Boulder	CO
2016	No	Collaborative Aggregates, LLC	<a href="#"><u>Delta S™: An Environmentally Benign and Worker Safe Asphalt Rejuvenator (abstract)</u></a>	Wilmington	MA
2016	No	Compact Membrane Systems, Inc.	<a href="#"><u>Membrane Dehydration for Solvent Recovery and Reuse (abstract)</u></a>	Newport	DE
2016	No	Covestro LLC	<a href="#"><u>Dream Production – CO<sub>2</sub> as a new building block for high-tech plastics (abstract)</u></a>	Pittsburgh	PA
2016	Yes	Dow AgroSciences LLC	<a href="#"><u>Instinct® Technology – Making Nitrogen Fertilizers Work More Effectively for Farmers and the Planet (summary)</u></a>	Indianapolis	IN
2016	No	Dow Chemical Company, The	<a href="#"><u>Dow Polymeric Flame Retardant (abstract)</u></a>	Midland	MI
2016	No	Dow Chemical Company, The	<a href="#"><u>SOLDERON™ BP Lead-free Solder Plating Chemistry (abstract)</u></a>	Marlborough	MA
2016	No	Dow Microbial Control	<a href="#"><u>Kathon™ 7 TI Antimicrobial for Water Treatment Applications (abstract)</u></a>	Collegeville	PA
2016	No	DuPont	<a href="#"><u>Creation, Integration, and Engineering of the World's Largest Cellulosic Ethanol BioRefinery Production Platform (abstract)</u></a>	Wilmington	DE
2016	No	Elinor Specialty Coatings; Bierwagen, Gordon; North Dakota State University; Akzo Nobel Aerospace Coatings	<a href="#"><u>Mg rich primer for Chrome free protection of Aluminum and its alloys (abstract)</u></a>	Fargo	ND
2016	No	Floral Soil LLC	<a href="#"><u>Floral Soil: A Green Chemistry Alternative to Phenol Formaldehyde Foams for Floral &amp; Horticulture Industries (abstract)</u></a>	Everett	WA

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2016	No	Garg, Neil; University of California, Los Angeles	<a href="#">Catalytic Cross-Couplings Using a Sustainable Metal and Green Solvents (abstract)</a>	Los Angeles	CA
2016	No	H-O-H Water Technology, Inc.	<a href="#">Cooling Tower Water Conservation and Chemical Treatment Elimination (abstract)</a>	Palatine	IL
2016	No	Huang, Yu; University of California, Los Angeles	<a href="#">Surface Engineered High-performance Catalysts for Fuel Cell Applications (abstract)</a>	Los Angeles	CA
2016	No	Instrumental Polymer Technologies, LLC	<a href="#">Evolution Polymerization To Produce Sustainable Polycarbonate Dendrimers (abstract)</a>	Westlake Village	CA
2016	No	International Flavors & Fragrances Inc. (IFF)	<a href="#">A Greener Process for the Fragrance Veridian and Development/Implementation of IFF's Green Chemistry Tool (abstract)</a>	Union Beach	NJ
2016	No	ISCA Technologies, Inc.	<a href="#">SPLAT® VERB: An Insecticide-Free, Green Repellent for Bark Beetle Pests of North American Forestry (abstract)</a>	Riverside	CA
2016	No	Kiverdi	<a href="#">Carbon Engineering Platform (abstract)</a>	Hayward	CA
2016	No	Lygos, Inc.	<a href="#">Integrated Production of Sustainable Biobased Malonic Acid for Significant Source Pollution Reduction, Cost, and Performance Advantages (abstract)</a>	Emeryville	CA
2016	No	Marrone Bio Innovations	<a href="#">GRANDEVO® advanced bioinsecticides (abstract)</a>	Davis	CA
2016	No	Marrone Bio Innovations	<a href="#">ZEQUANOX® (abstract)</a>	Davis	CA
2016	No	Meridian Holdings Group (Meridian, Inc. and DaniMer Scientific)	<a href="#">Degradable Polymers for Fracking Applications (abstract)</a>	Bainbridge	GA
2016	No	Midwest Refrigerants, LLC -- a Missouri Limited Liability Company	<a href="#">The Recovery of Organic Halides from Waste Streams by the Chemical Reaction of Hydrogen and Carbon Dioxide (abstract)</a>	Shoreline	WA
2016	No	Miller, Stephen; U of Florida; U.S. Bioplastics, LLC	<a href="#">Replacing Packaging Plastics with Sustainable Bioplastics from Megacrop Waste (abstract)</a>	Gainesville	FL
2016	Yes	Newlight Technologies, LLC	<a href="#">AirCarbon: Greenhouse Gas Transformed into High-Performance Thermoplastic (summary)</a>	Irvine	CA
2016	No	Niwayama, Satomi; Texas Tech	<a href="#">Highly efficient and practical monohydrolysis of symmetric diesters (abstract)</a>	Lubbock	TX

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2016	No	Novvi, LLC (a joint venture of Amyris, Inc. and Cosan S.A. Industria e Comercio)	<a href="#">Renewable Oils for High Performance Lubricants (abstract)</a>	Emeryville	CA
2016	No	Ohio Soybean Council	<a href="#">Bio-Derived Oligomer Technology to Replace Bis Phenol-A (BPA)-Based Thermoset Coatings: A Practical Solution for BPA-Free Metal Can Coatings for Beer, Beverage, and Food Containers (abstract)</a>	Worthington	OH
2016	No	OMNOVA Solutions Inc.	<a href="#">SunCryl HP 114, an Environmentally Friendly Release Coat (abstract)</a>	Akron	OH
2016	No	Pfizer	<a href="#">A Green, Energy Efficient, Chemoenzymatic Process to Manufacture Pregabalin (abstract)</a>	San Diego	CA
2016	No	Procter & Gamble Company, and DuPont Company	<a href="#">Cold-Water Enzyme: Reducing the Environmental Footprint of Residential Laundry through Low Temperature Cleaning (abstract)</a>	Palo Alto	CA
2016	No	Rennovia Inc.	<a href="#">Breakthrough Catalyst Technology Enables Cost Competitive Drop-in Bio-Based Nylons and Polyurethanes (abstract)</a>	Santa Clara	CA
2016	No	Resinate Materials Group, Inc.	<a href="#">Converting Landfill Wastes to Multi-Functional Green Polyols for Coating Applications (abstract)</a>	Plymouth	MI
2016	No	Rivertop Renewables	<a href="#">Rivertop Renewables - Sugar Oxidation Process (abstract)</a>	Missoula	MT
2016	No	Sabatini, Jesse; US Army Research Laboratory (ARL)	<a href="#">Environmentally Friendly Colored Pyrotechnic Illuminants (abstract)</a>	Aberdeen Proving Ground	MD
2016	No	SiGNa Chemistry, Inc.; Dixie Chemical Company, Inc.	<a href="#">Input and Waste Associated with the Isomerization of Linear Alpha Olefins (abstract)</a>	New York	NY
2016	No	Sun Pharmaceuticals, Inc.	<a href="#">Environmental protection reagents from MSW: one-step quantitative resourcing municipal solid waste (abstract)</a>	San Diego	CA
2016	No	UOP LLC, A Honeywell Company	<a href="#">A Feedstock Flexible Process to produce Diesel and/or Jet Fuel from Renewable Resources (abstract)</a>	Des Plaines	IL
2016	Yes	Verdezyne	<a href="#">Renewable Nylon through Commercialization of BIOLON™ DDDA (summary)</a>	Carlsbad	CA



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2016	No	Vestaron Corporation	<a href="#"><u>SPEAR™ Insecticide: First Member of a New Class of Biopesticides which shows Efficacy comparable to Synthetic Insecticides (abstract)</u></a>	Kalamazoo	MI
2016	No	Virox Technologies Inc.	<a href="#"><u>Accel 5 RTU, an Accelerated Hydrogen Peroxide® (AHP®) based cleaner-disinfectant that provides a sustainable and safer choice for infection prevention and control (abstract)</u></a>	Oakville	WI
2016	No	Vitaworks, LLC	<a href="#"><u>Atom-Efficient Process for Producing Taurine (abstract)</u></a>	North Brunswick	NJ