

YEAR	REG	METRO	AWARDEE	OTF PROGRAM	PROJECT	AMOUNT
2011	NE	Akron	Rolls-Royce Fuel Cell Systmes, Inc.	Fuel Cell Program	Automation and Demonstration of Pilot-Scale Manufacturing for SOFCs	\$999,875
2010	NE	Mansfield	Energy Technologies, Inc.	Fuel Cell Program	Testing Metal Hydride Fuel Cells	\$1,000,000
2010	NE	Akron	Lockheed Martin MS2 Integrated Defense Technologies	Fuel Cell Program	Military SOFC Ruggedization	\$1,000,000
2010	CE	Columbus	NexTech Materials, Ltd.	Fuel Cell Program	Improving Manufacturing Readiness of NexTech's SOFC Stack Technology	\$1,490,000
2010	NE	Akron	Rolls-Royce Fuel Cell Systems (US), Inc.	Fuel Cell Program	Reliability of Fuel Cells for Commercial Megawatt Scale SOFC Power Systems	\$999,770
2010	WC	Dayton	UltraCell of Ohio	Fuel Cell Program	Transitioning the UltraCell XX55 55-Watt Fuel Cell from Beta Design to Commercial Product Through Manufacturing Development	\$1,000,000
2010	NE	Cleveland	Wellman Products Group	Fuel Cell Program	Phosphoric Fuel Cell Stack Material Cost Reduction	\$893,252
2009	CE	Columbus	Battelle	Fuel Cell Program	Solid Oxide Fuel Cell Power Generator Prototype	\$1,000,000
2009	NE	Cleveland	Contained Energy	Fuel Cell Program	Improved Direct Carbon Fuel Cell Stack Efficiency	\$350,000
2009	NW	Toledo	Crown Equipment Corp.	Fuel Cell Program	Development of an Integrated Fuel Cell Forklift Truck	\$1,000,000
2009	NE	Mansfield	Energy Technologies, Inc.	Fuel Cell Program	Development of a High-Volume Manufacturing Process for Metal Hydride Fuel Cell (MHFC) Stack and Systems	\$1,000,000
2009	NE	Akron	Lockheed Martin-Akron	Fuel Cell Program	Military Solid Oxide Fuel Cell (SOFC) Genset	\$998,393
2009	NE	Akron	Rolls-Royce Fuel Cell Systems	Fuel Cell Program	Low Cost Internal Steam Reformer for 1MW SOFC Electric Power System	\$600,000
2009	CE	Columbus	The Ohio State University Research Foundation	Fuel Cell Program	Development of Cost Effective Membrane Electrolyte Assembly and Direct Borohydride Fuel Cell	\$350,000
2008	NE	Akron	Akron Polymer Systems	Fuel Cell Program	Nanocomposite Proton Exchange Membrane (PEM) Fuel Cells that Operate at High Temperatures	\$349,644
2008	NW	Toledo	American Trim	Fuel Cell Program	Agile Hybrid Joining of Fuel Cell Bipolar Plates	\$1,000,000
2008	NE	Akron	Catacel Corporation	Fuel Cell Program	High Volume Coating Process for Fuel Cell Catalytic Inserts	\$445,614
2008	NW	Toledo	Crown Equipment Corp.	Fuel Cell Program	Qualification of Lift Trucks for Battery Replacement Fuel Cells	\$977,270
2008	NE	Mansfield	Energy Technologies, Inc.	Fuel Cell Program	Development of a Robust Fuel Cell Generator for Military Applications	\$1,000,000
2008	NE	Cleveland	GrafTech International Holdings, Inc.	Fuel Cell Program	GRAFCELL Bipolar Plates for Phosphoric Acid Fuel Cell Systems	\$973,154
2008	NE	Cleveland	HydroGen Corporation	Fuel Cell Program	Improved Fuel Cell Power Plant Efficiency Using Cogeneration	\$525,140
2008	NE	Akron	Kent State University	Fuel Cell Program	Third Generation PEFC Catalytic Layers	\$299,548
2008	CE	Columbus	NexTech Materials, Ltd.	Fuel Cell Program	Cell Manufacturing for 100+kW SOFC Power Generation System	\$1,000,000
2008	NE	Youngstown	Refractory Specialties Incorporated	Fuel Cell Program	High Purity, Robust Kiln Furniture for Low Cost SOFC Manufacturing	\$400,000
2008	NE	Akron	Rolls-Royce Fuel Cell Systems (US), Inc.	Fuel Cell Program	High-Pressure Stack Block Test System for a Fuel Cell Power Module Overhaul Facility	\$1,000,000
2008	WC	Dayton	UltraCell of Ohio	Fuel Cell Program	Increasing Productivity and Reliability of Reformed Methanol Micro Fuel Cells	\$1,000,000
2007	NW	Toledo	American Trim	Fuel Cell Program	Agile Low-cost Manufacture of Fuel Cell Plates via Electromagnetic Forming	\$1,000,000
2007	NE	Akron	Catacel Corporation	Fuel Cell Program	Heat Exchanger Demonstration on TMI Fuel Cell System	\$400,473
2007	NE	Akron	Catacel Corporation	Fuel Cell Program	A Novel Desulfurizer-embedded Processor for Sulfur-laden Logistics Fuels	\$613,457
2007	WC	Dayton	Cellex Power Products Corporation	Fuel Cell Program	Full Product Solution for the Adoption of Hydrogen Fuel Cells in Industrial Vehicles	\$500,000
2007	NE	Cleveland	Contained Energy, Inc.	Fuel Cell Program	Development of Direct Carbon Fuel Cell Systems with Breakthrough Energy Density for Mobile Defense Security Applications	\$1,000,000
2007	CE	Columbus	Edison Welding Institute	Fuel Cell Program	Metal Interconnect for Fuel Cells	\$999,962
2007	WC	Dayton	Mound Technical Solutions, Inc.	Fuel Cell Program	Enhancement of Comprehensive Fuel Cell Test System Products	\$494,040
2007	CE	Columbus	NexTech Materials, Ltd.	Fuel Cell Program	H2S Sensor for Solid Oxide Fuel Cell Systems	\$250,000
2007	NE	Akron	Rolls-Royce Fuel Cell Systems (US), Inc.	Fuel Cell Program	Establishing Ohio-based Manufacturing and Supply-chain for a 250kW Processing Subsystem for a 1-Megawatt Solid Oxide Fuel Cell System	\$998,870
2007	WC	Dayton	UltraCell of Ohio	Fuel Cell Program	Fuel Cell Systems for Extended Runtimes	\$999,125
2007	WC	Dayton	University of Dayton	Fuel Cell Program	Accelerated Testing Demonstration for Market Entry	\$499,966
2007	CE	Columbus	Velocys, Inc.	Fuel Cell Program	Advanced Reforming Technology for Fuel Cell Enabled Industrial Vehicles	\$1,000,000
2007	NE	Cleveland	Wellman Products Group	Fuel Cell Program	Fuel Cell Stack Subassembly Manufacturing in Ohio	\$1,000,000
2006	NE	Akron	Catacel Corporation	Fuel Cell Program	Low Cost, High Temperature Heat Exchanger and Reactor Platform for Fuel Cell Applications	\$751,719
2006	WC	Dayton	EMTEC	Fuel Cell Program	Design for Manufacturing of TMI's SOFC System	\$1,000,000
2006	NE	Cleveland	HydroGen Corporation	Fuel Cell Program	Development of Ohio-Based Mass Manufacturing of Air-Cooled Phosphoric Acid Fuel Cells	\$1,000,000
2006	CE	Columbus	NexTech Materials, Ltd.	Fuel Cell Program	High Efficiency Military Purpose Fuel Cells	\$999,927
2006	SW	Cincinnati	OnPower, Inc.	Fuel Cell Program	1 MW Solid Oxide Fuel Cell System Package Development, Integration & Prototyping	\$919,892
2006	NE	Cleveland	Pemery Corporation	Fuel Cell Program	Polymer Electrolyte Membrane Fuel Cells for Munitions	\$775,300
2005	WC	Dayton	EMTEC	Fuel Cell Program	Enabling low cost MEA manufacturing for PEM cells in Ohio	\$719,200
2005	NE	Cleveland	GrafTech International Ltd.	Fuel Cell Program	Volume manufacturing for commercialization of water management component for low humidification operation of PEM fuel cells	\$602,044
2005	CE	Columbus	MetaMateria Partners, LLC	Fuel Cell Program	Nanostructured Cathode for High Performance Fuel Cell	\$346,913
2005	WC	Dayton	Mound Technical Solutions, Inc.	Fuel Cell Program	Comprehensive Fuel Cell Test System	\$600,000
2005	CE	Columbus	NexTech Materials, Ltd.	Fuel Cell Program	Auxiliary Power for Transportation: High Power Density Solid Oxide Fuel Cells	\$898,137
2005	CE	Columbus	Velocys, Inc.	Fuel Cell Program	Microchannel Hydrogen Generator for Fuel Cells	\$899,068
2004	NE	Cleveland	Advanced Energy Technology, Inc.	Fuel Cell Program	Volume Manufacturing for Commercialization of Flow Field Plates	\$1,044,226
2004	NE	Cleveland	Advanced Energy Technology, Inc.	Fuel Cell Program	Commercializing PEM-LITE Systems	\$781,787
2004	CE	Columbus	MetaMateria Partners, LLC	Fuel Cell Program	Development of Innovative, Cost-Effective Materials & Components for Fuel Cells	\$968,426
2003	CE	Columbus	AMP - Ohio / City of Westerville	Fuel Cell Program	Demonstration Project	\$839,016
2003	CE	Columbus	Edison Welding Institute	Fuel Cell Program	Ohio Fuel Cell Coalition project	\$150,000
2003	WC	Dayton	EMTEC	Fuel Cell Program	Materials and Processes for Commercializable Solid Oxide Fuel Cells	\$846,861
2003	WC	Dayton	EMTEC	Fuel Cell Program	Ohio Fuel Cell Coalition project	\$150,000
2003	NE	Akron	SOFCo	Fuel Cell Program	Sulfur Tolerant Solid Oxide Fuel Cell Power Systems Operating on Distillate Fuels	\$775,286
2003	CE	Columbus	Vanner, Inc.	Fuel Cell Program	Packaging and Commercialization of Power Conversion and Distribution Equipment needed for Vehicle Electrification	\$979,000