

## Ohio Third Frontier All Awards Current Through 07/16/10

REG	METRO	AWARDEE	YEAR	OTF PROGRAM	PROJECT	AMOUNT
NE	Akron	SOFCo	2003	Fuel Cell Program	Sulfur Tolerant Solid Oxide Fuel Cell Power Systems Operating on Distillate Fuels	\$775,286
NE	Akron	PolyDisplay, Inc.	2003	Third Frontier Action Fund	Ultra-Thin Full Color Flexible Liquid Crystal Displays	\$375,725
NE	Akron	Theken Surgical, Inc.	2003	Third Frontier Action Fund	Spinal Implant Development	\$713,233
NE	Akron	KSU, Liquid Crystal Institute	2003	Wright Projects	Flexible Displays	\$1,640,000
NE	Akron	Stark State	2003	Wright Projects	Fuel Cell Prototyping Center	\$2,000,000
NE	Akron	Creative Action LLC	2005	Ohio Research Commercialization Grant Program	Memory Magic Game	\$175,000
NE	Akron	Kent State University	2005	Wright Projects	Flexible optical and electronic device manufacturing facility: ink jet printing	\$100,000
NE	Akron	Catacel Corporation	2006	Fuel Cell Program	Low Cost, High Temperature Heat Exchanger and Reactor Platform for Fuel Cell Applications	\$751,719
NE	Akron	AlphaMicron, Inc.	2006	Ohio Research Commercialization Grant Program	Digital Mirror™ Commercialization	\$350,000
NE	Akron	Kent Displays, Inc.	2006	Ohio Research Commercialization Grant Program	Web Manufacturing of Flexible LCDs	\$350,000
NE	Akron	Catacel Corporation	2007	Fuel Cell Program	Heat Exchanger Demonstration on TMI Fuel Cell System	\$400,473
NE	Akron	Catacel Corporation	2007	Fuel Cell Program	A Novel Desulfurizer-embedded Processor for Sulfur-laden Logistics Fuels	\$613,457
NE	Akron	Rolls-Royce Fuel Cell Systems (US), Inc.	2007	Fuel Cell Program	Establishing Ohio-based Manufacturing and Supply-chain for a 250kW Processing Subsystem for a 1-Megawatt Solid Oxide Fuel	\$998,870
NE	Akron	Kent Displays, Inc.	2007	Research and Commercialization Program-EPS	Flexible Liquid Crystals Film Manufacturing	\$7,992,375
NE	Akron	University of Akron	2007	Research and Commercialization Program-EPS	Commercialization of Functional Polyimide Films and Nanocomposites	\$8,000,000
NE	Akron	Catacel Corporation	2008	Advanced Energy Program	Durability and Performance Evaluation of Catalysts on Metals [Alternative Fuels]	\$759,502
NE	Akron	University of Akron Research Foundation	2008	Advanced Energy Program	Novel Polymeric Membranes for Advanced Energy Storage Devices, Batteries, and Fuel Cells [Energy Storage]	\$250,000
NE	Akron	Akron Polymer Systems	2008	Fuel Cell Program	Nanocomposite Proton Exchange Membrane (PEM) Fuel Cells that Operate at High Temperatures	\$349,644
NE	Akron	Catacel Corporation	2008	Fuel Cell Program	High Volume Coating Process for Fuel Cell Catalytic Inserts	\$445,614
NE	Akron	Kent State University	2008	Fuel Cell Program	Third Generation PEFC Catalytic Layers	\$299,548
NE	Akron	Rolls-Royce Fuel Cell Systems (US), Inc.	2008	Fuel Cell Program	High-Pressure Stack Block Test System for a Fuel Cell Power Module Overhaul Facility	\$1,000,000
NE	Akron	Kent State University	2008	Ohio Research Scholars Program	Research Cluster on Surfaces in Advanced Materials	\$15,292,382
NE	Akron	University of Akron	2008	Ohio Research Scholars Program	The Orthopaedic Research Cluster of Northeast Ohio	\$8,576,924
NE	Akron	AlphaMicron, Inc.	2008	Research and Commercialization Program - EPS	To Move the Adaptive Windows Technology from Demonstration to the Market Entry Phase of Technology Commercialization	\$5,000,000
NE	Akron	reXorce Thermionics, Inc.	2008	Research and Commercialization Program - EPS	To Develop Technology that can Capture Waste Heat and Convert it into Usable Electricity	\$4,300,000
NE	Akron	Northeastern Ohio Universities Colleges of Medicine and Pharmacy	2008	Wright Projects	Ohio-based Research and Commercialization of a Real-time Pathogen Detection Instrument	\$3,000,000

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NE	Akron	Stark State College of Technology	2008	Wright Projects	The Expansion of Industry and Education Partnerships for Fuel Cell Commercialization	\$3,000,000
NE	Akron	Lockheed Martin-Akron	2009	Fuel Cell Program	Military Solid Oxide Fuel Cell (SOFC) Genset	\$998,393
NE	Akron	Rolls-Royce Fuel Cell Systems	2009	Fuel Cell Program	Low Cost Internal Steam Reformer for 1MW SOFC Electric Power System	\$600,000
NE	Akron	Kent Displays, Inc.	2009	Research and Commercialization Program - EPS	Manufacture and Market worlds first color electronic skin for mobile electronic products	\$4,900,000
NE	Akron	Stark State College of Technology	2009	Wright Projects	Expansion of Stark State's fuel cell test capabilities	\$2,800,000
NE	Akron	Lockheed Martin MS2 Integrated Defense Technologies	2010	Advanced Materials Program	Reduced-Permeability, High-Modulus Film Project for Military Lighter-Than-Air	\$1,000,000
NE	Akron	Kent Displays, Inc.	2010	Advanced Materials Program	Advanced Liquid Crystalline, Chiral, and Dye Materials for Flexible Liquid Crystal Displays	\$1,000,000
NE	Akron	Rolls-Royce Fuel Cell Systems (US), Inc.	2010	Fuel Cell Program	Reliability of Fuel Cells for Commercial Megawatt Scale SOFC Power Systems	\$999,770
NE	Akron	Lockheed Martin MS2 Integrated Defense	2010	Fuel Cell Program	Military SOFC Ruggedization	\$1,000,000
NE	Akron	GE Healthcare Technologies	2010	Medical Imaging Program	MRI Imaging Devices for Pediatric Populations	\$1,000,000
SE	Athens	Ohio University	2006	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$3,500,000
SE	Athens	Ohio University	2007	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$6,500,000
SE	Athens	Diagnostic Hybrids, Inc.	2008	Biomedical Research and Commercialization Program	To Further Develop a Yeast-based Cloning System for Viral Diagnostics/Treatment Monitoring	\$5,000,000
SE	Athens	Ohio University	2008	Advanced Energy Program	Facility for the Development and Commercialization of Ammonia-Based Fuel Integrated Power [Alternative Fuels]	\$972,992
SE	Athens	Global Cooling Manufacturing Company	2009	Advanced Energy Program	Advanced Commercial Stirling Cooler Development for Integration into Diverse Market Applications [End-use energy efficiency]	\$1,000,000
SE	Athens	Ohio University	2010	Wright Projects	Center for Algal Engineering Research and Commercialization	\$2,970,063
SW	Cincinnati	University of Cincinnati / Genome Research Institute	2002	Biomedical Research and Commercialization Program	Genome Research Infrastructure Partnership	\$9,000,000
SW	Cincinnati	Queen City Angels	2003	Third Frontier Action Fund	QCA First Fund	\$979,000
SW	Cincinnati	Children's Hospital Medical Center	2004	Biomedical Research and Commercialization Program	Center for Computational Medicine	\$7,935,906
SW	Cincinnati	Clifton Labs, Inc.	2004	Ohio Research Commercialization Grant Program	Real-time Location Systems Using Light	\$174,706
SW	Cincinnati	Enable Medical	2004	Ohio Research Commercialization Grant Program	Linear Lesion Ablation Device	\$175,000
SW	Cincinnati	Girindus America, Inc.	2004	Third Frontier Action Fund	Intermediate-Scale Oligonucleotide Manufacturing Facility	\$1,162,111
SW	Cincinnati	Children's Hospital Medical Center	2004	Wright Centers of Innovation	Center for Computational Medicine	\$19,765,170
SW	Cincinnati	Blue Chip Validation Fund	2005	Pre-seed Fund Initiative	Pre-seed Fund	\$1,000,000
SW	Cincinnati	Cincinnati Children's Hospital Medical Center	2005	Pre-seed Fund Initiative	Pre-seed Fund	\$500,000

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SW	Cincinnati	Queen City Angels	2005	Pre-seed Fund Initiative	Pre-seed Fund	\$1,000,000
SW	Cincinnati	TechSolve, Inc.	2005	Product Development Pilot Program	Partnership for lean product development and innovation	\$1,886,563
SW	Cincinnati	CincyTech USA	2006	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$11,000,000
SW	Cincinnati	OnPower, Inc.	2006	Fuel Cell Program	1 MW Solid Oxide Fuel Cell System Package Development, Integration & Prototyping	\$919,892
SW	Cincinnati	University of Cincinnati	2006	Pre-seed Fund Initiative	Southern Ohio Creates Companies Pre-Seed Fund	\$1,100,000
SW	Cincinnati	CincyTech USA	2007	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$3,800,000
SW	Cincinnati	Children's Hospital Medical Center	2007	Pre-seed Fund Initiative	The Tomorrow Fund	\$1,000,000
SW	Cincinnati	Amylin Ohio, LLC	2007	Targeted Industry Attraction Grant	Pharmaceutical Manufacturing	\$1,000,000
SW	Cincinnati	L-3 Communications Nova Engineering	2008	Ohio Research Commercialization Grant Program	Handheld Emissions Detector (HED) Commercialization Program	\$350,000
SW	Cincinnati	University of Cincinnati	2008	Ohio Research Scholars Program	Center for Intelligent Propulsion and Advanced Life Management Systems	\$27,492,308
SW	Cincinnati	Queen City Angels	2008	Success and Pre-seed Fund	QCA First Fund III	\$2,000,000
SW	Cincinnati	Brighton Technologies Group	2009	Ohio Research Commercialization Grant Program	Quality of Assurance Tool	\$350,000
SW	Cincinnati	University of Cincinnati	2009	Wright Projects	Develop and commercialize laser shock peening technology for biomedical components	\$3,000,000
SW	Cincinnati	Maverick Corporation	2010	Advanced Materials Program	Low Cost Fabrication of High-Temperature Composites	\$1,000,000
SW	Cincinnati	General Nano, LLC	2010	Advanced Materials Program	Manufacturing Conductive, Strong, Lightweight Yarn from Long Carbon Nanotubes for Aerospace and Defense Applications	\$1,946,943
SW	Cincinnati	SpineForm LLC	2010	Biomedical Program	Clinical Study and Commercialization of an Idiopathic Scoliosis Growth Modulation System	\$999,250
SW	Cincinnati	L-3 Communications Nova Engineering	2010	Sensors Program	Sensors and Fusion Enhancement (SAFE) Program	\$689,550
SW	Cincinnati	Cincinnati Regional Chamber	2010	Success and Pre-seed Fund	Southwest Ohio Signature Program: The Next Generation	\$2,000,000
SW	Cincinnati	University of Cincinnati	2010	Wright Projects	The Ohio Center for Microfluidic Innovation (OCMI) – New Products and Competitive Manufacturing Spanning Emerging Biomedical,	\$2,956,675
NE	Cleveland	Case Western Reserve University	2002	Biomedical Research and Commercialization Program	Genetics of Gastrointestinal Cancers	\$10,200,000
NE	Cleveland	Ohio Innovation Fund II, LP	2002	Pre-seed Fund Initiative	Ohio Innovation Fund II, LP	\$1,150,000
NE	Cleveland	Copernicus Therapeutics, Inc.	2002	Third Frontier Action Fund	Pulmonary Gene Transfer: Aerosol Development	\$1,085,164
NE	Cleveland	Imalux Corporation	2002	Third Frontier Action Fund	Development of Optical Coherence Tomography in Management of Cervical and Vulvar Cancer	\$542,000
NE	Cleveland	Case Western Reserve University	2003	Biomedical Research and Commercialization Program	Ohio Neurostimulation and Neuromodulation Partnership	\$7,868,103
NE	Cleveland	Case Western Reserve University	2003	Biomedical Research and Commercialization Program	Center for Stem Cell and Regenerative Medicine	\$8,616,785
NE	Cleveland	BioEnterprise Corporation	2003	Pre-seed Fund Initiative	Organizations of BioEnterprise Seed Fund	\$342,650

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NE	Cleveland	Case Western Reserve University	2003	Pre-seed Fund Initiative	Case Technology Ventures	\$979,000
NE	Cleveland	The Cleveland Clinic Foundation	2003	Pre-seed Fund Initiative	NovaMedics Technology Validation Fund	\$1,080,000
NE	Cleveland	Case Western Reserve University	2003	Third Frontier Action Fund	FastStart, LLC	\$100,000
NE	Cleveland	Technology Management, Inc.	2003	Third Frontier Action Fund	Solid Oxide Fuel Cell Development and Commercialization	\$978,767
NE	Cleveland	The Research Institute - University Hospitals	2003	Third Frontier Action Fund	Genetically Engineered Cell Lines Culture for Improving Influenza Virus Vaccine Production and Rapid Respiratory Virus Detection	\$401,390
NE	Cleveland	Case Western Reserve University	2003	Wright Centers of Innovation	Center for Stem Cell and Regenerative Medicine	\$10,800,900
NE	Cleveland	Case Western Reserve University	2003	Wright Centers of Innovation	Power Partnership of Ohio (now Wright Fuel Cell Group)	\$18,000,000
NE	Cleveland	Cleveland Clinic Foundation	2004	Biomedical Research and Commercialization Program	Brain Neuromodulation Center	\$7,652,496
NE	Cleveland	Advanced Energy Technology, Inc.	2004	Fuel Cell Program	Volume Manufacturing for Commercialization of Flow Field Plates	\$1,044,226
NE	Cleveland	Advanced Energy Technology, Inc.	2004	Fuel Cell Program	Commercializing PEM-LITE Systems	\$781,787
NE	Cleveland	BIOMECH, Inc.	2004	Ohio Research Commercialization Grant Program	Novel Ear Effusion Detection Device	\$174,983
NE	Cleveland	Cleveland Medical Devices, Inc.	2004	Ohio Research Commercialization Grant Program	Untethered Home Sleep Studies	\$170,030
NE	Cleveland	Cleveland Medical Devices, Inc.	2004	Ohio Research Commercialization Grant Program	Emergency Medical Brain Monitor Telemetry	\$174,791
NE	Cleveland	Cleveland Medical Devices, Inc.	2004	Ohio Research Commercialization Grant Program	Rodent Radio for Neurological Studies	\$172,090
NE	Cleveland	Orbital Research, Inc.	2004	Ohio Research Commercialization Grant Program	In-cylinder Pressure Sensor for Improved Fuel Economy	\$174,955
NE	Cleveland	Powdermet, Inc.	2004	Ohio Research Commercialization Grant Program	Nanoengineered Powders for Non-nuclear Market	\$175,000
NE	Cleveland	Sierra Lobo, Inc. (Milan, Ohio)	2004	Ohio Research Commercialization Grant Program	Cryotracker™ Mass Gauging System	\$174,964
NE	Cleveland	NorTech	2004	Pre-seed Fund Initiative	NEOprenuer Technology Validation Fund	\$1,162,111
NE	Cleveland	NDI Medical	2004	Third Frontier Action Fund	Implantable Neuromodulation System for Urinary Incontinence	\$924,491
NE	Cleveland	Western Data Com	2004	Third Frontier Action Fund	Secure IP Network Project	\$774,741
NE	Cleveland	Case Western Reserve University	2005	Biomedical Research and Commercialization Program	Targeted Nanoparticles for Imaging and Therapeutics	\$4,000,000
NE	Cleveland	The Cleveland Clinic Foundation	2005	Biomedical Research and Commercialization Program	AMD Initiative for Prevention and Cure	\$6,000,000
NE	Cleveland	The Cleveland Clinic Foundation	2005	Biomedical Research and Commercialization Program	Clinical Tissue Engineering Center	\$4,000,000
NE	Cleveland	GrafTech International Ltd.	2005	Fuel Cell Program	Volume manufacturing for commercialization of water management component for low humidification operation of PEM fuel cells	\$602,044
NE	Cleveland	BIOMECH, Inc.	2005	Ohio Research Commercialization Grant Program	Commercialization of a new biomaterial for blood pumps	\$173,802
NE	Cleveland	Orbital Research, Inc.	2005	Ohio Research Commercialization Grant Program	Dry electrodes for cardiovascular disease management and prevention	\$174,990

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NE	Cleveland	Cleveland Clinic Foundation	2005	Pre-seed Fund Initiative	Pre-seed Fund	\$1,000,000
NE	Cleveland	Draper Triangle Partners II, LLP	2005	Pre-seed Fund Initiative	Pre-seed Fund	\$1,000,000
NE	Cleveland	JumpStart Evergreen Technology	2005	Pre-seed Fund Initiative	Pre-seed Fund	\$500,000
NE	Cleveland	CAMP, Inc.	2005	Product Development Pilot Program	Northern Ohio Center of Excellence in Product Development	\$866,606
NE	Cleveland	Case Western Reserve University	2005	Wright Centers of Innovation	Wright Fuel Cell Group (formerly Power Partnership of Ohio)	\$1,665,044
NE	Cleveland	The Cleveland Clinic Foundation	2005	Wright Centers of Innovation	Atrial Fibrillation Innovation Center	\$22,989,847
NE	Cleveland	Case Western Reserve University	2006	Biomedical Research & Commercialization Program	Ohio Neurostimulation and Neuromodulation Partnership	\$7,999,998
NE	Cleveland	Case Western Reserve University	2006	Biomedical Research & Commercialization Program	Center for Stem Cell and Regenerative Medicine	\$8,000,000
NE	Cleveland	ChanTest, Inc.	2006	Biomedical Research & Commercialization Program	Ion Channel Panel Screening for Drug Safety and Discovery	\$4,728,969
NE	Cleveland	NorTech	2006	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$12,400,000
NE	Cleveland	HydroGen Corporation	2006	Fuel Cell Program	Development of Ohio-Based Mass Manufacturing of Air-Cooled Phosphoric Acid Fuel Cells	\$1,000,000
NE	Cleveland	Pemery Corporation	2006	Fuel Cell Program	Polymer Electrolyte Membrane Fuel Cells for Munitions	\$775,300
NE	Cleveland	Cleveland Medical Devices, Inc.	2006	Ohio Research Commercialization Grant Program	ParkinSense™: Quantitative Movement Disorder Assessment System	\$248,193
NE	Cleveland	Powdermet, Inc.	2006	Ohio Research Commercialization Grant Program	Light Weight Syntactic Foam (SynFoam™) Product Commercialization and Production Capability Scale-up	\$350,000
NE	Cleveland	Technology Management, Inc.	2006	Ohio Research Commercialization Grant Program	Accelerated Business Development for Commercialization of TMI Solid Oxide Fuel Cell Systems	\$349,323
NE	Cleveland	JumpStart, Inc.	2006	Pre-seed Fund Initiative	2006 JumpStart Pre-Seed Fund	\$2,000,000
NE	Cleveland	NorTech	2007	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$2,600,000
NE	Cleveland	Contained Energy, Inc.	2007	Fuel Cell Program	Development of Direct Carbon Fuel Cell Systems with Breakthrough Energy Density for Mobile Defense Security Applications	\$1,000,000
NE	Cleveland	Wellman Products Group	2007	Fuel Cell Program	Fuel Cell Stack Subassembly Manufacturing in Ohio	\$1,000,000
NE	Cleveland	ZIN Technologies, Inc.	2007	Ohio Research Commercialization Grant Program	VMetrics - Market Entry, A Biomedical Monitor	\$344,513
NE	Cleveland	JumpStart, Inc.	2007	Pre-seed Fund Initiative	2007 JumpStart Pre-Seed Fund	\$2,000,000
NE	Cleveland	North Coast Angel Fund, LLC	2007	Pre-seed Fund Initiative	North Coast Angel Fund	\$2,000,000
NE	Cleveland	GrafTech International Ltd.	2007	Research and Commercialization Program	Development and Commercialization of Graphite Nanocomposites for Next Generation Electronic Devices	\$7,945,465
NE	Cleveland	Swagelok	2007	Research and Commercialization Program	Commercialization of Low-temperature Carburization	\$5,500,611
NE	Cleveland	Cleveland State University	2007	Wright Centers of Innovation	Wright Center for Sensor Systems Engineering	\$23,840,576
NE	Cleveland	The Cleveland Clinic Foundation	2007	Wright Mega-Centers of Innovation	Global Cardiovascular Innovation Center	\$59,999,086

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NE	Cleveland	Arisdyne Systems, Inc.	2008	Advanced Energy Program	Application of Static, Hydrodynamic Cavitation to Improve Efficiency, Productivity and Yield in the Production of Ethanol	\$1,000,000
NE	Cleveland	EBO Group	2008	Advanced Energy Program	Innovative Oil Cooled Electric Motor Drive System to Enable Advanced Hybrid Electric Drives for Commercial Vehicles [ICE]	\$1,000,000
NE	Cleveland	Parker Hannifin	2008	Advanced Energy Program	Sub-Megawatt Class Hydrostatic Wind Turbine Drive Train Commercialization [Wind]	\$1,000,000
NE	Cleveland	Phycal, LLC	2008	Advanced Energy Program	Development of Non-Destructive Algal Oil Extraction Process [Alternative Fuels]	\$250,000
NE	Cleveland	The Garland Company	2008	Advanced Energy Program	Garland Building Integrated Photovoltaic (BIPV) Systems [Solar]	\$1,000,000
NE	Cleveland	Case Western Reserve University	2008	Biomedical Research & Commercialization Program	Therapeutic Nanoparticles and Molecular Imaging	\$3,900,000
NE	Cleveland	The Cleveland Clinic Foundation	2008	Biomedical Research & Commercialization Program	To Develop a Nitric Oxide Sensor that will Enable Asthma Patients to Monitor their Asthma at Home	\$3,800,000
NE	Cleveland	The Cleveland Clinic Foundation	2008	Biomedical Research & Commercialization Program	To Develop Small Molecules that can Enhance Repair of the Brain in Multiple Sclerosis with the Goal Not Only of Delaying Progression	\$3,000,000
NE	Cleveland	The Cleveland Clinic Foundation	2008	Biomedical Research & Commercialization Program	Clinical Tissue Engineering Center	\$4,900,000
NE	Cleveland	The Cleveland Clinic Foundation	2008	Biomedical Research & Commercialization Program	To Develop a More Functional Prosthetic Limb for Transfemoral Amputee Soldiers	\$2,100,000
NE	Cleveland	GrafTech International Holdings, Inc.	2008	Fuel Cell Program	GRAFCELL Bipolar Plates for Phosphoric Acid Fuel Cell Systems	\$973,154
NE	Cleveland	HydroGen Corporation	2008	Fuel Cell Program	Improved Fuel Cell Power Plant Efficiency Using Cogeneration	\$525,140
NE	Cleveland	Acor Orthopaedic, Inc.	2008	Ohio Research Commercialization Grant Program	Commercialization of the TrueContour Therapeutic Insole System	\$350,000
NE	Cleveland	Think-A-Move, Ltd.	2008	Ohio Research Commercialization Grant Program	Commercialization of technology developed under a TARDEC SBIR Phase II Grant: Develop & Deliver a System Which Allows Hands-Center of Research Excellence in Molecular Cardiovascular Innovation	\$350,000
NE	Cleveland	Cleveland State University	2008	Ohio Research Scholars Program		\$900,000
NE	Cleveland	Emerging Market Fund	2008	Success and Pre-seed Fund	Emerging Market Fund	\$500,000
NE	Cleveland	JumpStart, Inc.	2008	Success and Pre-seed Fund	EAO Funding	\$1,000,000
NE	Cleveland	JumpStart, Inc.	2008	Success and Pre-seed Fund	Pre-seed Fund	\$2,000,000
NE	Cleveland	LCCC Foundation	2008	Success and Pre-seed Fund	Innovation Alliance Fund	\$500,000
NE	Cleveland	ViewRay Incorporated	2008	Targeted Industry Attraction Grant	Assembly & Testing of Biomedical Technology	\$250,000
NE	Cleveland	Case Western Reserve University	2008	Wright Projects	Center for Surface Engineering	\$3,000,000
NE	Cleveland	Industrial Railway Switching & Services (IRSS), Inc.	2009	Advanced Energy Program	Lean and Green Locomotive [End-use energy efficiency]	\$450,000
NE	Cleveland	Parker Hannifin Corporation	2009	Advanced Energy Program	Ohio Wind Turbine Brake Commercialization [Wind]	\$1,000,000
NE	Cleveland	Tremco Incorporated	2009	Advanced Energy Program	Tremco BIPV Commercialization [Solar]	\$1,000,000
NE	Cleveland	Arteriocyte, Inc.	2009	Biomedical Research and Commercialization Program	Further develop and expand stem cell-based therapeutics	\$4,900,000
NE	Cleveland	Case Western Reserve University	2009	Biomedical Research and Commercialization Program	Continue operations of the Center for Stem Cell and Regenerative Medicine	\$5,000,000

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NE	Cleveland	ChanTest Corporation	2009	Biomedical Research and Commercialization Program	Expand range of services and reagents to accelerate pharmaceutical drug discovery	\$4,800,000
NE	Cleveland	The Cleveland Clinic Foundation	2009	Biomedical Research and Commercialization Program	Develop products to help surgeons more accurately place shoulder, hip, and knee joint replacement implants.	\$3,400,000
NE	Cleveland	ViewRay, Inc.	2009	Biomedical Research and Commercialization Program	Develop an Instrument combining a Magnetic Resonance Imaging system with Radiotherapy source to better guide radiation to	\$5,000,000
NE	Cleveland	Contained Energy	2009	Fuel Cell Program	Improved Direct Carbon Fuel Cell Stack Efficiency	\$350,000
NE	Cleveland	ACME Express, Inc.	2009	Ohio Research Commercialization Grant Program	Developing Ohio's Healthcare Information Technology Industry and Reducing Ohio Healthcare Costs by \$35 Million per year	\$349,900
NE	Cleveland	Kelly Aerospace Thermal Systems, LLC	2009	Ohio Research Commercialization Grant Program	Wind Turbine Blade De-icing System Commercialization	\$350,000
NE	Cleveland	Western Robotics	2009	Ohio Research Commercialization Grant Program	Intelligent Robotic Machining	\$350,000
NE	Cleveland	BioEnterprise Corporation	2009	Success and Pre-seed Fund	Accelerating Biomedical Start-ups in Northeast Ohio	\$600,000
NE	Cleveland	Cleveland Clinic	2009	Success and Pre-seed Fund	Biovalidation Fund II	\$800,000
NE	Cleveland	JumpStart, Inc.	2009	Success and Pre-seed Fund	Existing Pre-Seed Fund	\$2,575,000
NE	Cleveland	Lorain County Community College	2009	Success and Pre-seed Fund	Innovation Fund	\$1,500,000
NE	Cleveland	Proxy Biomedical Limited	2009	Targeted Industry Attraction Grant	The establishment of its first U.S. full service operation with a proposed location in Cleveland (Cuyahoga County)	\$160,000
NE	Cleveland	Case Western Reserve University	2009	Wright Projects	Provide a platform for the development of wind power supply chain products.	\$3,000,000
NE	Cleveland	The Cleveland Clinic Foundation	2009	Wright Projects	Develop and commercialize products made from nitinol	\$3,000,000
NE	Cleveland	Avtron Industrial Automation	2010	Advanced Energy Program	Absolute Magnetic Encoder Commercialization	\$1,000,000
NE	Cleveland	Novolyte Technologies, Inc.	2010	Advanced Energy Program	Development and Commercialization of Advanced Electrolyte Materials for Next Generation Lithium-ion Batteries	\$1,123,544
NE	Cleveland	GrafTech International Holdings, Inc.	2010	Advanced Energy Program	Development of Thermal Management Solutions for Lithium Ion Batteries	\$965,000
NE	Cleveland	quasar energy group	2010	Advanced Energy Program	Accelerating Commercialization of Anaerobic Digestion for Bioenergy Production	\$2,000,000
NE	Cleveland	R. W. Beckett Corporation	2010	Advanced Energy Program	Develop and Commercialize Residential Energy Storage Technology to Store Power Collected from any Source of Electricity	\$1,000,000
NE	Cleveland	Momentive Performance Materials Quartz, Inc.	2010	Advanced Materials Program	Optimized Boron Nitride and Production Efficiency for Lower Cost Polymer Composites in LED Luminaries	\$918,000
NE	Cleveland	Alphamirror, Inc.	2010	Advanced Materials Program	Manufacturing of Plastic Liquid Crystal Auto Dimming Mirror	\$1,000,000
NE	Cleveland	OrthoHelix Surgical Designs, Inc.	2010	Biomedical Program	Mini/Mega MaxLock Extreme Orthopedic Implants	\$1,000,000
NE	Cleveland	Case Western Reserve University	2010	Biomedical Program	Clinical Development of MultiStem for Treatment of Spinal Cord Injury	\$1,000,000
NE	Cleveland	Wellman Products Group	2010	Fuel Cell Program	Phosphoric Fuel Cell Stack Material Cost Reduction	\$893,252
NE	Cleveland	Philips Healthcare	2010	Medical Imaging Program	PET/CT Scanner Optimized for Quantitative Myocardial Blood Flow	\$999,175
NE	Cleveland	InfraRed Imaging Systems	2010	Medical Imaging Program	Completion of Commercialization and Relocation of Manufacturing to Ohio of the INRIS VascularViewer Product Portfolio	\$812,000

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NE	Cleveland	Quality Electrodynamics, LLC	2010	Medical Imaging Program	7-Tesla High Density MRI RF Coil Development & Commercialization	\$1,000,000
NE	Cleveland	CardioInsight Technologies, Inc.	2010	Medical Imaging Program	The Atlas Electrocardiographic Mapping System	\$1,000,000
NE	Cleveland	Ferro Corporation, Electronic Material Systems	2010	Photovoltaic Program	Advanced Durability Sealing Systems for Solar Cells	\$1,000,000
NE	Cleveland	Five Star Technologies, Inc.	2010	Photovoltaic Program	Commercialization of Specialty Electronic Inks for Advances in Photovoltaic Technology	\$1,000,000
NE	Cleveland	Philips Healthcare	2010	Research & Development Center Attraction Program	Global Advanced Imaging Innovation Center	\$5,000,000
NE	Cleveland	Pressco Technology, Inc.	2010	Sensors Program	High Performance Spectroscopy Sensor Applications in High Speed Product Testing	\$406,000
NE	Cleveland	JumpStart, Inc.	2010	Success and Pre-seed Fund	JumpStart Combined	\$4,000,000
NE	Cleveland	JumpStart, Inc.	2010	Success and Pre-seed Fund	Bioscience and JEN	\$1,762,000
NE	Cleveland	NCAF II, LLC	2010	Success and Pre-seed Fund	North Coast Angel Fund II	\$2,000,000
NE	Cleveland	Cleveland Clinic Foundation	2010	Success and Pre-seed Fund	Ohio Biovalidation Fund III	\$2,000,000
NE	Cleveland	JumpStart, Inc.	2010	Success and Pre-seed Fund	Energy and the JumpStart Entrepreneurial Network	\$300,000
NE	Cleveland	JumpStart, Inc.	2010	Success and Pre-seed Fund	The JumpStart and Third Frontier Entrepreneurial Network	\$865,000
NE	Cleveland	The Cleveland Clinic	2010	Wright Projects	Clinically Applied Rehabilitation Engineering (CARE) Project	\$3,000,000
NE	Cleveland	Case Western Reserve University	2010	Wright Projects	Development of a Quantitative Analysis System for Stem Cells	\$2,100,000
CE	Columbus	The Ohio State University Research Foundation	2002	Biomedical Research and Commercialization Program	Cardiovascular Bioengineering Enterprise	\$6,500,000
CE	Columbus	The Ohio State University Research Foundation	2002	Biomedical Research and Commercialization Program	Biomedical Informatics Synthesis Platform	\$6,000,000
CE	Columbus	Hyper Tech Research, Inc.	2002	Third Frontier Action Fund	Development and Commercialization of Low Cost, Long Length Superconductors for Medical and Power Utility Applications	\$800,000
CE	Columbus	Science & Technology Campus Corp.	2002	Third Frontier Action Fund	1st Fifty Validation Fund	\$1,100,000
CE	Columbus	The Ohio State University	2003	Biomedical Research and Commercialization Program	The Biomedical Structural, Functional and Molecular Imaging Enterprise	\$7,995,259
CE	Columbus	AMP - Ohio / City of Westerville	2003	Fuel Cell Program	Demonstration Project	\$839,016
CE	Columbus	Edison Welding Institute	2003	Fuel Cell Program	Ohio Fuel Cell Coalition project	\$150,000
CE	Columbus	Vanner, Inc.	2003	Fuel Cell Program	Packaging and Commercialization of Power Conversion and Distribution Equipment needed for Vehicle Electrification	\$979,000
CE	Columbus	The Ohio State University	2003	Wright Centers of Innovation	The Biomedical Structural, Functional and Molecular Imaging Enterprise	\$9,119,100
CE	Columbus	The Ohio State University	2003	Wright Projects	Low Cost Nanocomposite Foam Project	\$2,000,000
CE	Columbus	The Ohio State University	2004	Biomedical Research and Commercialization Program	Comprehensive Program for Prevention, Detection & Treatment of Lung Cancer	\$8,000,042
CE	Columbus	MetaMateria Partners, LLC	2004	Fuel Cell Program	Development of Innovative, Cost-Effective Materials & Components for Fuel Cells	\$968,426

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CE	Columbus	Excera Materials Group	2004	Ohio Research Commercialization Grant Program	Effective Ohio-based Supply Chain For Ballistic Armor Manufacturing	\$175,000
CE	Columbus	NexTech Materials, Ltd.	2004	Ohio Research Commercialization Grant Program	Tubular Components for Fuel Cells and Oxygen Generators	\$175,000
CE	Columbus	NexTech Materials, Ltd.	2004	Ohio Research Commercialization Grant Program	Planar Solid Oxide Fuel Cell Elements	\$175,000
CE	Columbus	BioProcessing Innovative Company, Inc.	2004	Third Frontier Action Fund	Low Cost Bio Chips and Sensors for Medical Diagnostics and Chemical/Bioweapons Detection	\$975,881
CE	Columbus	Phylogeny, Inc.	2004	Third Frontier Action Fund	Tissue Microarray Production and Commercialization	\$1,128,242
CE	Columbus	SCI Engineered Materials	2004	Third Frontier Action Fund	Commercialization of Low Cost Ceramic Sputtering Targets for Lithium Thin Battery Manufacture	\$1,175,321
CE	Columbus	The Ohio State University Research Foundation	2004	Wright Centers of Innovation	Ohio Center for Advanced Propulsion and Power (OCAPP)	\$10,880,000
CE	Columbus	The Ohio State University Research Foundation	2005	Biomedical Research and Commercialization Program	Commercialization Platform of Immunotherapeutics for Cancer and Multiple Sclerosis	\$4,250,000
CE	Columbus	MetaMateria Partners, LLC	2005	Fuel Cell Program	Nanostructured Cathode for High Performance Fuel Cell	\$346,913
CE	Columbus	NexTech Materials, Ltd.	2005	Fuel Cell Program	Auxiliary Power for Transportation: High Power Density Solid Oxide Fuel Cells	\$898,137
CE	Columbus	Velocys, Inc.	2005	Fuel Cell Program	Microchannel Hydrogen Generator for Fuel Cells	\$899,068
CE	Columbus	Hyper Tech Research, Inc.	2005	Ohio Research Commercialization Grant Program	Magnesium diboride superconducting wires for medical, power, and propulsion applications	\$174,756
CE	Columbus	NexTech Materials, Ltd. (Delaware)	2005	Ohio Research Commercialization Grant Program	Direct Fuel Power Module, a Fuel Cell for Portable Applications	\$175,000
CE	Columbus	Srico, Inc.	2005	Ohio Research Commercialization Grant Program	Transitioning Homeland Security Sensor System Technology to Production of Optical Component for Commercial Markets	\$174,797
CE	Columbus	Ohio Tech Angels Fund	2005	Pre-seed Fund Initiative	Pre-seed Fund	\$1,000,000
CE	Columbus	The Ohio State University	2005	Wright Centers of Innovation	Ohio BioProducts Innovation Center	\$11,586,847
CE	Columbus	The Ohio State University Research Foundation	2005	Wright Centers of Innovation	Ohio Center for Multifunctional Polymer Nanomaterials and Devices	\$22,489,845
CE	Columbus	Business Technology Center	2005	Wright Projects	Platform Lab via the Third Frontier Network	\$1,174,000
CE	Columbus	Ohio Agricultural Research and Development Center, OSU	2005	Wright Projects	Development and commercialization of an integrated biomass systems to electricity system	\$1,500,351
CE	Columbus	The Ohio State University	2006	Biomedical Research & Commercialization Program	Advanced Biomedical Devices for Disease Diagnosis and Therapy	\$3,500,000
CE	Columbus	The Ohio State University	2006	Biomedical Research & Commercialization Program	Biomedical, Structural, Functional, and Molecular Imaging Enterprise	\$7,878,957
CE	Columbus	TechColumbus	2006	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$8,812,000
CE	Columbus	NexTech Materials, Ltd.	2006	Fuel Cell Program	High Efficiency Military Purpose Fuel Cells	\$999,927
CE	Columbus	Syscom Technology, Inc.	2006	Ohio Research Commercialization Grant Program	Market Entry and Initial Commercialization of Conductive Metal-clad Polymer Fiber	\$349,600
CE	Columbus	NCT Fund Management, LLC	2006	Pre-seed Fund Initiative	NCT Pre-seed Fund Initiative	\$1,985,921
CE	Columbus	TechColumbus	2006	Pre-seed Fund Initiative	TechColumbus Regional Commercialization Fund	\$1,500,000
CE	Columbus	The Ohio State University	2006	Wright Projects	Superconductivity Technology Center	\$1,152,400
CE	Columbus	Omeris	2007	Asset Based Company Attraction Program	Bio Company Attraction	\$1,500,000
CE	Columbus	PolymerOhio	2007	Asset Based Company Attraction Program	Advanced Polymer Company Attraction	\$1,500,000
CE	Columbus	TechColumbus	2007	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$6,188,000

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CE	Columbus	Edison Welding Institute	2007	Fuel Cell Program	Metal Interconnect for Fuel Cells	\$999,962
CE	Columbus	NexTech Materials, Ltd.	2007	Fuel Cell Program	H2S Sensor for Solid Oxide Fuel Cell Systems	\$250,000
CE	Columbus	Velocys, Inc.	2007	Fuel Cell Program	Advanced Reforming Technology for Fuel Cell Enabled Industrial Vehicles	\$1,000,000
CE	Columbus	Hyper Tech Research, Inc.	2007	Ohio Research Commercialization Grant Program	Commercialization of Fault Current Limiter Coils and Components	\$350,000
CE	Columbus	MetaMateria Partners, LLC	2007	Ohio Research Commercialization Grant Program	Commercialization of Novel Forming Method for Making Porous Ceramic Parts	\$350,000
CE	Columbus	NexTech Materials, Ltd.	2007	Ohio Research Commercialization Grant Program	Electrochemical Diesel Emissions Control	\$350,000
CE	Columbus	The Ohio State University	2007	Research and Commercialization Program	Commercialization of High-performance non-tailored Structural Composites for Energy and Survivability	\$8,000,000
CE	Columbus	NexTech Materials, Ltd.	2008	Advanced Energy Program	Market Readiness of Hydrogen Sensor for Advanced Energy Applications [ICE]	\$549,088
CE	Columbus	Replex Plastics	2008	Advanced Energy Program	Concentrated Solar Power [Solar]	\$350,000
CE	Columbus	The Ohio State University Research Foundation	2008	Advanced Energy Program	Engineering Clostridia for Economic Production of Biobutanol as a Biofuel project [Alternative Fuels]	\$1,000,000
CE	Columbus	The Ohio State University Research Foundation	2008	Advanced Energy Program	Carbon Negative Chemical Looping Process for Hydrogen or Liquid Fuel Synthesis Using Refuse Derived Fuel, Biomass, and/or Ohio	\$408,801
CE	Columbus	Velocys, Inc.	2008	Advanced Energy Program	Microchannel Enabled Process for Synthetic Biofuels and Chemicals [Alternative Fuels]	\$1,000,000
CE	Columbus	NexTech Materials, Ltd.	2008	Fuel Cell Program	Cell Manufacturing for 100+kW SOFC Power Generation System	\$1,000,000
CE	Columbus	LSP Technologies	2008	Ohio Research Commercialization Grant Program	Laser Bond Inspection Technology	\$350,000
CE	Columbus	The Ohio State University	2008	Ohio Research Scholars Program	Advanced Energy Systems via Green Industrialization	\$10,476,924
CE	Columbus	The Ohio State University	2008	Ohio Research Scholars Program	Technology Enabling and Emergent Materials	\$18,153,846
CE	Columbus	The Ohio State University	2008	Ohio Research Scholars Program	Ohio Imaging Research and Innovation Network	\$24,867,308
CE	Columbus	NCT Fund Management, LLC	2008	Success and Pre-seed Fund	NCT Ventures Fund I Pre-seed Initiative	\$1,500,000
CE	Columbus	Zyvex Performance Materials	2008	Targeted Industry Attraction Grant	Carbon Nanocomposites Manufacturing	\$1,000,000
CE	Columbus	Edison Welding Institute	2008	Wright Projects	The Development of a Very High Power Ultrasonic Additive Manufacturing System for Advanced Materials and Precision	\$2,500,000
CE	Columbus	The Ohio State University Research Foundation	2008	Wright Projects	To Develop a Domestic Source of Natural Rubber and a New Industry for Ohio and the United States	\$3,000,000
CE	Columbus	Hyper Tech Research, Inc.	2009	Advanced Energy Program	Wires and Coils for Superconducting Fault Current Limiters [Sensors, controls, & power management]	\$1,000,000
CE	Columbus	SCI Engineered Materials, Inc	2009	Advanced Energy Program	Commercialization of Rotatable Ceramic Sputtering Targets for Thin Film Photovoltaic Solar Cell Manufacturing [Solar]	\$708,715
CE	Columbus	Battelle	2009	Fuel Cell Program	Solid Oxide Fuel Cell Power Generator Prototype	\$1,000,000
CE	Columbus	The Ohio State University Research Foundation	2009	Fuel Cell Program	Development of Cost Effective Membrane Electrolyte Assembly and Direct Borohydride Fuel Cell	\$350,000
CE	Columbus	Hyper Tech Research, Inc.	2009	Research and Commercialization Program - EPS	Build on Hyper Tech's platform technology of high-field and high-temperature superconductor wire technology	\$5,000,000

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CE	Columbus	Velocys, Inc.	2009	Research and Commercialization Program - EPS	Apply company's microchannel process technology to hydroprocessing for transportation fuels	\$4,000,000
CE	Columbus	Zyvex Performance Materials, Inc	2009	Research and Commercialization Program - EPS	Further develop and produce carbon nanotubes modified with Zyvex's unique Kentera technology	\$4,900,000
CE	Columbus	Ohio Tech Angels	2009	Success and Pre-seed Fund	Ohio TechAngels Fund III	\$1,600,000
CE	Columbus	Tech Columbus	2009	Success and Pre-seed Fund	Pre-seed Fund II	\$900,000
CE	Columbus	The Ohio State University	2009	Wright Projects	Improve the value proposition of hybrid-electric vehicle technology by developing improved power conversion systems	\$3,000,000
CE	Columbus	The Ohio State University	2009	Wright Projects	Essential research and commercialization activities focusing on bio-based reinforcement materials in plastic composites	\$3,000,000
CE	Columbus	The Ohio State University	2009	Wright Projects	Advance radionuclide-based imaging for healthcare and research	\$3,000,000
CE	Columbus	Cardiox Corporation	2010	Biomedical Program	Validation and Commercialization for Non-Invasive Detection of Cardiox Shunts	\$986,373
CE	Columbus	Lanx, Inc	2010	Biomedical Program	Lumbar Motion Monitor Commercialization in Ohio	\$1,000,000
CE	Columbus	NexTech Materials, Ltd.	2010	Fuel Cell Program	Improving Manufacturing Readiness of NexTech's SOFC Stack Technology	\$1,490,000
CE	Columbus	The Ohio State University	2010	Medical Imaging Program	Multi-transmit Platform Technology for High and Ultra-high Field MR Imaging	\$1,740,000
CE	Columbus	Neoprobe Corporation	2010	Medical Imaging Program	Phase III Clinical Study Supporting Expanded FDA Claims for Lymphoseek, A Medical Imaging Agent for Sentinel Lymph Node Mapping in Breast Cancer, Melanoma, and Head and Neck Cancer	\$1,000,000
CE	Columbus	EXCMR, Ltd.	2010	Medical Imaging Program	An In-State Multi-Center Evaluation of Treadmill Exercise Stress Cardiac Magnetic Resonance	\$1,424,694
CE	Columbus	SCI Engineered Materials, Inc.	2010	Photovoltaic Program	Commercialization of Advanced Attachment Technology for Rotatable Ceramic Sputtering Targets Used for Thin Film Photovoltaic Solar Cell	\$775,400
CE	Columbus	Replex Plastics	2010	Photovoltaic Program	Low-Cost, Low-Concentration Photovoltaic (LC2PV) Systems for Mid-Northern Latitudes	\$1,257,500
CE	Columbus	Nextech Materials, Ltd.	2010	Sensors Program	Hydrogen Sensor Manufacturing Technology	\$1,000,000
CE	Columbus	OTAF III, LLC	2010	Success and Pre-seed Fund	Ohio Tech Angel Fund III	\$825,000
CE	Columbus	TechColumbus	2010	Success and Pre-seed Fund	TechColumbus Pre-seed Fund III	\$500,000
CE	Columbus	The Ohio State University	2010	Wright Projects	Center of Excellence for Energy Storage Technology	\$3,000,000
CE	Columbus	The Ohio State University	2010	Wright Projects	Center for High Performance Power Electronics (CHPPE)	\$3,000,000
WC	Dayton	The Entrepreneur's Fund, LLC	2002	Pre-seed Fund Initiative	E-Fund Capitalization Project	\$1,000,000
WC	Dayton	EMTEC	2003	Fuel Cell Program	Materials and Processes for Commercializable Solid Oxide Fuel Cells	\$846,861
WC	Dayton	EMTEC	2003	Fuel Cell Program	Ohio Fuel Cell Coalition project	\$150,000
WC	Dayton	YSI, Inc.	2003	Third Frontier Action Fund	Rapid Detection of Bioterrorism Agents in Water Supplies	\$904,141

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WC	Dayton	National Composite Center	2003	Wright Projects	Creating Affordable Large-Scale Complex Composite Products	\$2,000,000
WC	Dayton	University of Dayton	2003	Wright Projects	Conductive Multifunctional Polymer Nanocomposite and Aerospace Composites	\$1,200,000
WC	Dayton	University of Dayton	2003	Wright Projects	Development of Arrayed Micro-optic Elements for Enhanced Infrared Imaging Detection	\$773,589
WC	Dayton	Wright State University	2004	Wright Centers of Innovation	Wright Centers of Innovation for Advanced Data Management	\$11,103,750
WC	Dayton	National Composite Center	2004	Wright Projects	Long Fiber Thermoplastics	\$1,000,000
WC	Dayton	EMTEC	2005	Fuel Cell Program	Enabling low cost MEA manufacturing for PEM cells in Ohio	\$719,200
WC	Dayton	Mound Technical Solutions, Inc.	2005	Fuel Cell Program	Comprehensive Fuel Cell Test System	\$600,000
WC	Dayton	Applied Sciences, Inc.	2005	Ohio Research Commercialization Grant Program	Low cost carbon nanofiber production - turning scientific vision into economic reality	\$174,657
WC	Dayton	Faraday Technology, Inc.	2005	Ohio Research Commercialization Grant Program	Maturation of JetSet engine health monitoring technology	\$157,475
WC	Dayton	Mound Laser & Photonics Center, Inc.	2005	Ohio Research Commercialization Grant Program	Commercialization of laser-based microfabrication technologies	\$174,673
WC	Dayton	Webcore Technologies	2005	Ohio Research Commercialization Grant Program	Accelerating Ohio's composite manufacturing growth	\$175,000
WC	Dayton	EMTEC	2005	Product Development Pilot Program	PDQ Center for Accelerated Product Development	\$1,200,000
WC	Dayton	Wright State University	2005	Wright Centers of Innovation	Wright Centers of Innovation for Advanced Data Management	\$1,500,000
WC	Dayton	Development Research Corporation	2005	Wright Projects	RFID Application and Education Center	\$2,338,000
WC	Dayton	National Composite Center	2005	Wright Projects	Extension of "Creating Affordable Large-Scale Complex Composite Products"	\$100,000
WC	Dayton	North Central Campus for Emerging Technologies	2005	Wright Projects	Commercialization of Piezoelectric Fibers for Energy Storage and Smart Systems	\$2,038,000
WC	Dayton	University of Dayton	2005	Wright Projects	Production of Multi-functional Carbon-Based Materials	\$2,100,000
WC	Dayton	University of Dayton	2005	Wright Projects	Development and Commercialization of long-wavelength infrared focal plane arrays	\$1,092,800
WC	Dayton	Dayton Development Coalition	2006	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$11,300,000
WC	Dayton	EMTEC	2006	Fuel Cell Program	Design for Manufacturing of TMI's SOFC System	\$1,000,000
WC	Dayton	Wright Material Research Co.	2006	Ohio Research Commercialization Grant Program	Commercialization of Lightweight Foamed Composites for Ballistic Protection	\$350,000
WC	Dayton	National Composite Center	2006	Wright Projects	Nano-enhanced SMC Scale-up for Composite Part Production	\$1,800,000
WC	Dayton	University of Dayton	2006	Wright Projects	Low-cost Nanocomposite Tooling for Agile Manufacturing	\$2,100,000
WC	Dayton	Dayton Development Coalition - Development Projects, Inc.	2007	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$3,700,000
WC	Dayton	Cellex Power Products Corporation	2007	Fuel Cell Program	Full Product Solution for the Adoption of Hydrogen Fuel Cells in Industrial Vehicles	\$500,000
WC	Dayton	Mound Technical Solutions, Inc.	2007	Fuel Cell Program	Enhancement of Comprehensive Fuel Cell Test System Products	\$494,040

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WC	Dayton	UltraCell of Ohio	2007	Fuel Cell Program	Fuel Cell Systems for Extended Runtimes	\$999,125
WC	Dayton	University of Dayton	2007	Fuel Cell Program	Accelerated Testing Demonstration for Market Entry	\$499,966
WC	Dayton	Cornerstone Research Group, Inc.	2007	Ohio Research Commercialization Grant Program	Commercialization of Shape Memory Polymer Technology	\$350,000
WC	Dayton	Frontier Technology Inc.	2007	Ohio Research Commercialization Grant Program	NormNet Prognostic Health Management	\$349,812
WC	Dayton	UltraCell of Ohio	2007	Targeted Industry Attraction Grant	Fuel Cell Manufacturing	\$1,000,000
WC	Dayton	University of Dayton	2007	Wright Centers of Innovation	Institute for the Development and Commercialization of Advanced Sensor Technology	\$28,000,000
WC	Dayton	Applied Sciences, Inc.	2008	Advanced Energy Program	Development of Specialty Carbons for Energy Storage [Energy Storage]	\$999,999
WC	Dayton	Inorganic Specialists, Inc.	2008	Advanced Energy Program	Manufacturing the Next Generation Lithium Ion Anode [Energy Storage]	\$250,000
WC	Dayton	UltraCell of Ohio	2008	Fuel Cell Program	Increasing Productivity and Reliability of Reformed Methanol Micro Fuel Cells	\$1,000,000
WC	Dayton	FOPAT, LLC	2008	Ohio Research Commercialization Grant Program	Rapid Commercialization of Advanced Foam Pattern Material	\$349,992
WC	Dayton	UES, Inc.	2008	Ohio Research Commercialization Grant Program	TitanCoat for Automobile Manufacturers	\$339,588
WC	Dayton	University of Dayton	2008	Ohio Research Scholars Program	Ohio Academic Research Cluster for Layered Sensing	\$24,348,718
WC	Dayton	University of Dayton	2008	Research and Commercialization Program - EPS	To Increase the Performance of Existing Composite Materials by Developing and Applying New Coatings without Compromising	\$5,000,000
WC	Dayton	EMTEC	2009	Advanced Energy Program	Cooling of High Power Electronic Devices [End-use energy efficiency]	\$1,000,000
WC	Dayton	WebCore Technologies, Inc	2009	Advanced Energy Program	Commercialization of TYCOR Composite Material for its Wind Turbine Blades [Wind]	\$1,000,000
WC	Dayton	Nanotek Instruments, Inc.	2009	Ohio Research Commercialization Grant Program	Nano Graphene Composite Electrodes for Lithium Ion Batteries	\$350,000
WC	Dayton	Performance Polymer Solutions	2009	Ohio Research Commercialization Grant Program	High Temperature Structural Adhesives	\$350,000
WC	Dayton	University of Dayton	2009	Wright Projects	Center for unmanned Aerial Vehicles Exploitation	\$3,000,000
WC	Dayton	Ershigs, Inc.	2010	Advanced Energy Program	Development and Commercialization of Composite Towers for Wind Turbines	\$1,120,000
WC	Dayton	Materials Research Institute, Inc.	2010	Advanced Materials Program	Metalized Nanomaterials	\$791,000
WC	Dayton	UltraCell of Ohio	2010	Fuel Cell Program	Transitioning the UltraCell XX55 55-Watt Fuel Cell from Beta Design to Commercial Product Through Manufacturing Development	\$1,000,000
WC	Dayton	GE Aviation	2010	Research & Development Center Attraction Program	Electrical Power Integrated Systems Center	\$7,612,500
WC	Dayton	Innova, Inc.	2010	Sensors Program	Scalable, Miniaturized, Low Cost Solid State Laser Systems for Sensor Applications	\$848,000
WC	Dayton	YSI, Inc.	2010	Sensors Program	Advanced Modified Carbon Nanotube Based Nutrient Sensor	\$1,127,873
WC	Dayton	Persistent Surveillance Systems	2010	Sensors Program	Colorization and Resolution Enhancement of Airborne Wide-Area Persistent Surveillance Sensors for Law Enforcement	\$906,315
WC	Dayton	University of Dayton	2010	Wright Projects	Hybrid Fabrics for Multifunctional Composites	\$3,000,000
NE	Mansfield	Energy Technologies, Inc.	2008	Fuel Cell Program	Development of a Robust Fuel Cell Generator for Military Applications	\$1,000,000

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NE	Mansfield	Energy Technologies, Inc.	2009	Fuel Cell Program	Development of a High-Volume Manufacturing Process for Metal Hydride Fuel Cell (MHFC) Stack and Systems	\$1,000,000
NE	Mansfield	Energy Technologies, Inc.	2010	Fuel Cell Program	Testing Metal Hydride Fuel Cells	\$1,000,000
NW	Toledo	Gene Express, Inc.	2003	Third Frontier Action Fund	Commercialization of Service and Reagents for Standardized RT-PCR	\$979,000
NW	Toledo	Bowling Green State University	2003	Wright Projects	Photoinstrumentation and Photopolymerization Laboratory	\$2,000,000
NW	Toledo	Cooling Technologies, Inc.	2004	Third Frontier Action Fund	Market Introduction of Alternative Energy Absorption Cooling for Distributed Generation Applications	\$484,213
NW	Toledo	Imaging Systems Technology	2004	Third Frontier Action Fund	Commercialization of Low Cost Plasma Displays using Microspheres	\$622,932
NW	Toledo	OptiCast, Inc.	2004	Third Frontier Action Fund	Commercialization of Spectacle Lenses	\$859,691
NW	Toledo	University of Toledo	2004	Wright Projects	Center for Photovoltaic Electricity and Hydrogen (CPEH)	\$2,000,000
NW	Toledo	Imaging Systems Technology	2005	Ohio Research Commercialization Grant Program	High Volume Sphere Handling Equipment for the Commercialization of Large Area Flexible Plasma Displays	\$175,000
NW	Toledo	University of Toledo	2005	Wright Projects	Center for Photovoltaic Electricity and Hydrogen (CPEH)	\$99,920
NW	Toledo	Regional Growth Partnership	2006	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$11,800,000
NW	Toledo	James A. Rhodes State College	2006	Wright Projects	Advanced Materials Commercialization Center	\$1,285,000
NW	Toledo	University of Toledo	2006	Wright Projects	Test Facility for Experimental Development of High-Speed Routing Components and Subsystems	\$1,000,000
NW	Toledo	Regional Growth Partnership	2007	Entrepreneurial Signature Program	Entrepreneurial Assistance	\$3,200,000
NW	Toledo	American Trim	2007	Fuel Cell Program	Agile Low-cost Manufacture of Fuel Cell Plates via Electromagnetic Forming	\$1,000,000
NW	Toledo	University of Toledo	2007	Wright Centers of Innovation	Center for Photovoltaic Innovation and Commercialization	\$18,635,238
NW	Toledo	University of Toledo	2008	Advanced Energy Program	Novel Cellulosic Biomass Fermentation Process for Ethanol Production [Alternative Fuels]	\$250,000
NW	Toledo	Xunlight 26 Solar, LLC	2008	Advanced Energy Program	Flexible Thin-Film CdTe PV Modules [Solar]	\$996,924
NW	Toledo	American Trim	2008	Fuel Cell Program	Agile Hybrid Joining of Fuel Cell Bipolar Plates	\$1,000,000
NW	Toledo	Crown Equipment Corp.	2008	Fuel Cell Program	Qualification of Lift Trucks for Battery Replacement Fuel Cells	\$977,270
NW	Toledo	Spectra Group Limited, Inc.	2008	Ohio Research Commercialization Grant Program	Market Growth for Advanced Photopolymers	\$350,000
NW	Toledo	University of Toledo	2008	Ohio Research Scholars Program	Northwest Ohio Innovators in Thin Film Photovoltaics	\$8,938,462
NW	Toledo	University of Toledo	2008	Ohio Research Scholars Program	Ohio Center for Innovative Immunosuppressive Therapeutics	\$3,000,000
NW	Toledo	University of Toledo	2008	Ohio Research Scholars Program	Research Cluster for the Development of Spinal Implants	\$4,463,462
NW	Toledo	The Andersons, Inc.	2008	Research and Commercialization Program - EPS	To Accelerate Commercialization of Existing and Developmental Granule Technology in Various Agricultural Applications	\$5,000,000
NW	Toledo	Xunlight 26 Solar, LLC	2008	Research and Commercialization Program - EPS	To Leverage Laboratory-demonstrated Technology Advancements into Existing Ohio-based Manufacturing Lines	\$4,900,000
NW	Toledo	James A. Rhodes State College	2008	Wright Projects	Advanced Materials Deposition Center	\$3,000,000
NW	Toledo	SuGanit Systems, Inc.	2009	Advanced Energy Program	Scale-Up of Cellulosic Ethanol Process Based on Novel Biomass Pretreatment and Efficient Co-Fermentation [Bio-energy]	\$999,900
NW	Toledo	Xunlight Corporation	2009	Advanced Energy Program	Online Performance Measurement for Roll-to-Roll Thin Film Photovoltaic Manufacturing [Solar]	\$995,577
NW	Toledo	Crown Equipment Corp.	2009	Fuel Cell Program	Development of an Integrated Fuel Cell Forklift Truck	\$1,000,000
NW	Toledo	Xunlight Corporation	2010	Photovoltaic Program	Next Generation Solar Module Manufacturing Technology	\$999,271
NW	Toledo	Glasstech, Inc.	2010	Photovoltaic Program	Commercialization of a Heat Treating Process to Strengthen Large, Thinner Glass Substrates for Photovoltaic Panels	\$1,000,000
NE	Youngstown	Refractory Specialties Incorporated	2008	Fuel Cell Program	High Purity, Robust Kiln Furniture for Low Cost SOFC Manufacturing	\$400,000

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NE	Youngstown	Syncro Medical Innovations, Inc.	2008	Ohio Research Commercialization Grant Program	Commercialization of the Gabriel Magnetically Guided Feeding Tube	\$350,000
NE	Youngstown	Youngstown State University	2008	Wright Projects	Center for Excellence in Advanced Materials Analyses	\$2,100,000