

FY10 Ohio Third Frontier Advanced Energy Program LOI Log

LOI Number	Company Name and Address	Project Title	Collaborators	Name - Phone - Email	Request
10-301	SIME Corporation 4623 Gateway Circle Dayton, OH 45440	Wind Turbine Braking Systems	University of Dayton Research Institute	John Glebas 937-344-8799 jglebas@simeusa.com	\$650,000
10-302	BioTech Renewable Energy 190 Stanbery Rd Bexley, OH 43209	Biomass Waste to Energy	Ohio Fresh Eggs Pingle Design Group Keller Farms Ashland Chemical Bailey Engineering Otterbein College	Todd J. Appelbaum 614-679-8931 todd@brebio.com	\$1,000,000
10-303	ADRC Technologies 6508 Blackfriars Lane Hudson, OH 44236	Wind Turbine Blade Pitch Control	Cleveland State University	Jim Dawson 330-474-0522 jim.dawson@adrctech.com	\$1,000,000
10-304	Arlington Energy 1237 W. 4th St. Mansfield, OH 43220	Mansfield Biodiesel Expansion	Arisdyne Systems	Jeff Schulthies 419-529-9061 jeff@arlingtonenergy.net	\$900,000
10-305	GPE Solar 6299 S. Section Line Rd. Delaware, OH 43015	Photovoltaic Panel Assembly Process	Freeman Schwabe	Gary Gerden 614-940-2162 garygerden11@hotmail.com	\$1,000,000
10-306	Granata Ecological Engineering 226 E. Dunedin Rd. Columbus, OH 43214	Biofuel using a Algal Bioreactor	Dr. A. Sanadi Maulbecker Consulting	Timothy C. Granata 614-263-9775 granataecoe@columbus.rr.com	\$457,868
10-307	SynTerra Fuels 387 West Dussel Dr. Maumee, OH 43537	Thermo-Chemical Conversion of Biomass to Fuel	Red Lion Bio-Energy The University of Toledo	Robert Schuetzle 415-939-9904 rschuetzle@prfuels.com	\$1,000,000
10-308	MegaJoule Storage 1112 Kenilworth Ave. Cleveland, OH 44113	Advance Battery Project		Herb Crowther 326-496-8302 hcrowther@capling.com	\$1,000,000
10-309	Inorganic Specialists 965 Capstone Dr. Miamisburg, OH 45343	Silicone Coated Nanofiber Paper	Southeast Nonwovens Ultramet Eagle Picher	David W. Firsich 937-865-4491 dwfirsich@inorganicspecialists.com	\$1,000,000
10-310	MicroPower 366 Circle Freeway Dr. Cincinnati, OH 45246	Transition of European Turbine to Ohio	Wilkov Wind Triumph Engineering BHE Environmental	Bob Pabodie 513-910-8330 bpabodie@usturbine.net	\$500,000
10-311	Global Research & Engineering 27439 Holiday Lane, Suite C Perrysburg, OH 43551	Coal to Fuel	MR&E	Daniel Molnar 419-874-4422 global@globalrellc.com	
10-312	Juice Technologies 930 Kinnear Rd. Columbus, OH 43212	Intelligent Home Energy Management	Belkin	Kathy Ellington 614-247-1610 kathy_ellington@plugsmart.net	\$1,000,000
10-313	Stir-Melter 995 Fourth St. Perrysburg, OH 43551	Vitrification of Waste Materials		Kenneth H. Wetmore 419-661-9500 kwetmore@glasstech.com	\$1,000,000
10-314	Triumph Engineering 100 Tri-County Parkway Cincinnati, OH 45246	Trapped Vortex Combustor		Harry Westerkamp 513-300-3567 hwesterkamp@triumph-eng.com	\$250,000
10-315	USTurbine 366 Circle Freeway Dr. Cincinnati, OH 45246	Two Blade Downwind Turbine	WindTurbine Company Triumph Engineering Duke Energy Cincinnati State College	USTurbine 513-382-0100 staylor@usturbine.net	\$1,000,000
10-316	Triumph Engineering 100 Tri-County Parkway Cincinnati, OH 45246	District Heating and Cooling		Harry Westerkamp 513-300-3567 hwesterkamp@triumph-eng.com	\$250,000
10-317	The Timken Company 1835 Dueber Ave. S.W. Canton, Ohio 44706	Wind Energy Component Reliability Testing	Stark State College of Technology	David A. Degrange 330-471-6782 dave.degrange@timken.com	\$750,000

10-318	Precision Energy and Technology 2000 Composite Dr. Kettering, OH 45420	Hydrogen Generator-Storage System	National Composite Center	Thomas Willis 937-558-2708 twillis@petfc.com	\$1,000,000
10-319	Novolyte Technologies 8001 E. Pleasant Valley Rd. Independence, OH 44131	Electrolyte Materials for Lithium Ion Batteries	Case Western Reserve University	Martin W. Payne 216-867-1040 paynem@novolyte.com	\$1,250,000
10-320	NexTech Materials 404 Enterprise Dr. Lewis Center, OH 43035	Safety Systems for Energy Storage Facilities		Lora B. Thrun 614-842-6606 l.thrun@nextechmaterials.com	\$1,000,000
10-321	Applied Sciences 141 W. Xenia Ave. Cedarville, OH 45314	High-Performance Batteries		Max L. Lake 937-766-2020 mllake@apsoci.com	\$1,000,000
10-322	The Ohio State University Research Foundation 1960 Kenny Rd. Columbus, OH 43210	Chemical Looping for Hydrogen Generation	U.S. Department of Energy	Liang-Shih Fan 614-688-3262 fan_1@osu.edu	\$1,500,000
10-323	CM-GC 1810 Section Road Cincinnati, OH 45237	Syracuse Green Energy Initiative	SMC Global Technocraft	Schuyler Murdock 513-527-4141 smurdock@cm-gc.com	\$3,000,000
10-324	Cornerstone Research Group 2750 Indian Ripple Rd. Dayton, OH 45440	Wind Turbine Blade Cost Reduction		Hugo Heyns 937-320-1877 heynshe@crgrp.com	\$5,000,000
10-325	WebCore Technologies 8821 Washington Church Rd. Miamisburg, OH 45342	Composite Towers for Wind Turbines	GE Energy Ershigs Owens Corning Ashland Performance Materials University of Dayton EMTEC PolymerOhio WIRE-Net	Rob Banerjee 937-435-2200 rbanerjee@webcoreonline.com	\$1,000,000
10-326	Stratum Energy Systems 1791 E 40th St. Cleveland, OH 44103	High Power Lithium Batteries		Mark Daroux 216-432-9850 mdaroux@stratumenergy.com	
10-327	Sunpower 182 Mill St. Athens, OH 750-594-2221	Free-Piston Stirling Engine	NASA Voinovich School	Courtney Lenart 740-594-2221 lenart@sunpower.com	\$2,000,000
10-328	SuGanit Systems Research & Tech Complex1, Suite 2000E 2600 Dorr St. Toledo, OH 43606	Carbon Fibers from Biomass	The University of Toledo GrafTech International Holdings	Praveen Paripati 403-371-6718 praveen@suganit.com	\$1,000,000
10-329	Wind Diverters 2473 Victoria Parkway Hudson, OH 44236	Wind Diverters	The University of Toledo Seaman Corporation Semtorq	Stephen Boyd 330-655-0514 sboyd61471@roadrunner.com	\$242,500
10-330	M&G Polymers USA P.O. Box 590, 6951 Ridge Rd. Sharon Center, OH 44274	Bio-Refinery Laboratory	Ohio State University Barry Farms OBIC Polymer Ohio Chemtex US C5.6 Technologies	Delane N. Richardson 330-239-7401 delane.n.richardson@gruppomqus.com	\$2,000,000
10-331	Red Lion Bio-Energy 387 W. Dussel Dr. Maumee, OH 6868	Non-Combustive Gasification	Surface Combustion The University of Toledo	Douglas Struble 419-897-6868 doug.struble@redlionbio-energy.com	\$1,000,000
10-332	Stratum Energy Systems 1791 E 40th St. Cleveland, OH 44103	Energy Efficiency for Hybrid & Electric Vehicles	Great Lakes Energy Institute Case Western Reserve University	Mark Daroux 216-432-9850 mdaroux@stratumenergy.com	\$1,000,000
10-333	Moved to PVP				
10-334	Juice Technologies 930 Kinnear Rd. Columbus, OH 43212	Smart PEV Charging and Energy Storage		Kathy Ellington 614-247-1610 kathy_ellington@plugsmart.net	\$1,000,000

10-335	NexTech Materials 404 Enterprise Dr. Lewis Center, OH 43035	Catalysts for Biomass Gasification		Scott L. Swartz 614-842-6606 s.swartz@nextechmaterials.com	\$300,000
10-336	Ershigs 742 Marine Dr. Bellingham, WA 98225	Composite Towers for Wind Turbines	GE Energy WebCore Owens Corning Ashland Performance Materials University of Dayton EMTEC Polymer Ohio WIRE-Net	Steve Hettick 360-733-2620 shettick@ershigs.com	\$1,000,000
10-337	HPM America 820 W. Marion Rd. Mount Gilead, OH 43338	Community Wind Blade	EMTEC Fibre Core Technologies	Christopher A. Filos 419-949-2262 cfilos@hpmamerica.com	\$1,000,000
10-338	Twenty First Century Energy 1 Herald Square Fairborn, OH 45324	Low Speed Wind Energy Systems	National Composites Center Wright State University University of Dayton Research Institute Owens Corning Staco Energy Products Company Belcan Corporation	Don Knoth 937-343-0165 dknoth@tfcenergy.com	\$750,000
10-339	Phycal 51 Alpha Park Highland Heights, OH 44134	Non-Destructive Algal Oil Extraction Device	The Ohio State University SSOE	Jonathan Park 440-460-0586 jonathan.park@phycal.com	\$1,000,000
10-340	Phycal 51 Alpha Park Highland Heights, OH 44134	Increased Production of Oil from Algae	The Ohio State University	Andrew Swanson 440-460-0586 andrew.swanson@phycal.com	\$500,000
10-341	Energystics Technologies Holdings 3545 Silica Rd., Suite C Sylvania, OH 43560	Ultra High Capacity Battery		Jeff Culver 419-517-4094 jculver@solargystics.com	\$600,000
10-342	GrafTech 12900 Snow Rd. Parma, OH 44130	Thermal Management for Lithium Ion Batteries		Julian Norley 216-676-2000 julian.norley@graftech.com	\$1,000,000
10-343	Moved to PVP				
10-344	Panel Master 222 Commerce Dr. LaGrange, OH 44050	Inverter System		Ridley Watts 440-355-4442 ridley@panelmaster.com	\$500,000
10-345	Horsburg and Scott Co. 5114 Hamilton Ave. Cleveland, OH 44114	Upgrade of Gearbox Processing Facility	Surface Combustion	William Andreski 216-431-3900 wma@horsburgh-scott.com	\$700,000
10-346	Ohio University 165 Stocker Center Athens, OH 45701	Ammonia Fuel Conditioning Units	Electrochemical Energy and Environmental Technologies	Gerardine G. Botte 740-593-9670 botte@ohio.edu	\$1,000,000
10-347	Cell Core P.O. Box 1 Prospect, OH 43342	Thermoset Prepreg for Composite Structures	StrateNexus	Tom Lambers 740-528-6020 tlambers@cell-core.com	\$500,000
10-348	rexorce Thermionics 405 S. High St. Akron OH 44311	Supercritical CO2 Engine	Artemis Intelligent Power University of Akron ThermoAnalytics	Mark Terzola 330-807-0142 mterzola@rexorce.com	\$1,000,000
10-349	DJW Technology 5018 Ballybridge Dr. Dublin, OH 43017	Manufacturing Process for Hydrogen Purifier	Ohio State University Research Foundation	Douglas Wheeler 614-761-9287 douglas.wheeler@djwtechnology.com	\$1,000,000
10-350	StrateNexus Technologies P.O. Box 3395 Dublin, OH 43016	Electrochemical Devices	The Ohio State University	Alex W. Kawczak 614-940-7737 akawczak@stratenexus.com	\$750,000

10-351	University of Toledo 2801 W. Bancroft St. Toledo, OH 43606	Offshore Wind Turbine Generator	Nordic Windpower Toledo-Lucas County Port Authority	Abdollah A. Afjeh 419-530-8210 afajeh@utoledo.edu	\$1,500,000
10-352	Swagelok Technology Services Company 31500 Aurora Rd. Solon, OH 44139	Bearings and Gears Surface Modification	Case Western Reserve University	John Buda 440-649-5614 john.buda@swagelok.com	\$1,000,000
10-353	Polywire Tough Composites 105 Keswick Dr. Hudson, OH 44236	Pneumatic-Gasoline Hybrid Vehicle	University of Akron	Amit Prakash 330-475-3121 aprakash@wiretough.com	\$300,000
10-354	Moved to PVP				
10-355	Eaton Corporation 13100 E. Michigan Ave. Galesburg, MI 49053	Battery Management System	The Ohio State University CAR	Rudy Smaling 269-484-7321 rudolfmsmaling@eaton.com	\$1,000,000
10-356	Energy Independence of America Corp. P.O. Box 126, 500 Lehman Ave, Suite 208 Bowling Green, OH 43402	Co-Production of Iron and Fertilizer	Morgan Engineering Co. Ajax-Tocco Systems Associates	Albert Calderon 419-354-4632 acalderon@bghost.net	\$1,000,000
10-357	5623 Humelsine Dr. Hudson, OH 44236	Biodiesel Franchise Assessment	Tri-C Green Academy	Joel Bednar 216-262-4065 joel.bednar@gmail.com	\$200,000
10-358	R. W. Beckett Corp. 38251 Center Ridge Rd. North Ridgeville, OH 44039	Residential Energy Storage	Energy Technologies	John Bohan 440353-6228 jbohan@beckettcorp.com	\$1,000,000
10-359	Bio-Energy Conversion Ohio 2233 Greenlawn Dr. Toledo, OH 43614	Coal and Municipal Solid Waste Gasification	University of Toledo Owens Illinois	Richard Dunn 419-392-4312 dunn.rich@campusvillage.com	\$740,000
10-360	UniControl 1111 Brookpark Rd. Cleveland, OH 44109	Biomass Combustion Control System	Cleveland State University	Steve Craig 216-398-4414 scraig@unicontrolinc.com	\$100,000
10-361	AcuTemp Thermal Systems 2900 Dryden Rd. Dayton, OH 45439	Advanced Manufacturing of Insulation Panels	Edison Welding Institute	Todd DeVore 937-312-0114 tdevore@acutemp.com	\$1,000,000
10-362	Third Millennium Metals 110 E. Emmitt Ave. Waverly, OH 45690	More Conductive Copper for Induction Furnaces	Ajax Tocco Magnethermic	Jason Shugart 740-947-7277 jshugart@tmmetals.com	\$1,000,000
10-363	Tremont Electric 2379 Professor St. Cleveland, OH 44113	Wave Energy Converters in Lake Erie	The Ohio State University The University of Akron	Corey J. Andres 614-563-5310 candres@greenpower.com	\$1,000,000
10-364	Alternative Hybrid Locomotive Technologies P.O. Box 250, 5303 DuPont Circle Milford, OH 45150	Prototype Ethanol-Electric Hybrid Locomotive	University of Toledo Crown Battery Renewable Lubricants	Tom Mack 513-575-5626 tmack@ahl-tech.com	\$800,000
10-365	Industrial Railway Switching & Services 2199 E. 28th St., Stop 669 Lorain, OH 44055	Lean and Green 2000 HP	MTU-Detroit Diesel Darrah Electrical Clean Emissions Systems G.L.I.D.E. Lorain County Community College T.M.V Traction Control Systems W.W. Williams	Jack A. Siffert 440-377-5252 irss@eriecoast.com	\$500,000
10-366	Industrial Railway Switching & Services 2199 E. 28th St., Stop 669 Lorain, OH 44055	Lean and Green Upgrade	MTU-Detroit Diesel Darrah Electrical Clean Emissions Systems G.L.I.D.E. Lorain County Community College T.M.V Traction Control Systems W.W. Williams	Jack A. Siffert 440-377-5252 irss@eriecoast.com	\$100,000

10-367	AlphaMicron 1950 State Rt. 59 Kent, OH 44240	Manufacturing Liquid Crystal Films for Windows	NASA Cleveland Botanical Gardens Kent State University	Volodymyr H. Bodnar 330-676-0648 volodymyr@alphamicron.com	\$1,000,000
10-368	AirWars Defense 100 W. Elm St. Cedarville, OH 45314	Calcium/Water Hydrogen Generation		Denyse DuBruqc 937-766-4660 denysedbq@aol.com	\$300,000
10-369	Parker Hannifin Corporation 6035 Parkland Blvd. Cleveland, OH 44124	Construction of Hydrogen Fueling Station	Cleveland State University NASA Great Lakes Science Center Regional Transit Authority Hydrogen and Fuel Cell Consultants Proton Energy Systems United Technologies Corporation Hamilton Sundstrand Corporation Sierra Lobo Stark State College of Technology Case Western Reserve University Cleveland-Cuyahoga Cty. Port Authority Ohio Aerospace Institute Midwest Sustainable Solutions	Peter Buca 216-896-3000 pbuca@parker.com	\$1,300,000
10-370	Polywire Tough Composites 105 Keswick Dr. Hudson, OH 44236	Light Weight Pressure Vessel	RJS Co. Iten Industries	Amit Prakash 330-665-9553 aprakash@wiretough.com	\$600,000
10-371	EMTEC 3155 Research Blvd., Suite 101 Dayton, OH 45420	Smart Grid Storage	Emerson Liebert The University of Toledo Juice Technologies	Jon VonDonkelaar 937-253-0043 jvandonkelaar@emtec.org	\$2,000,000
10-372	EMTEC 3155 Research Blvd., Suite 101 Dayton, OH 45420	Wind Generators, Flow Batteries & Flywheels	Emerson Liebert The Ohio State University	Jon VonDonkelaar 937-253-0043 jvandonkelaar@emtec.org	\$1,250,000
10-373	Moved to PVP				
10-374	Algaeventure Systems 1311 Industrial Parkway Marysville, OH 43040	Industrial Remediation and Feedstock for Fuels		Ross Youngs 937-645-4605 ryoungs@algaevs.com	\$1,000,000
10-375	Schmack BioEnergy 7624 Riverview Rd. Cleveland, OH 44141	Anaerobic Digestion for Bioenergy	The Ohio State University	Steven Smith 216-986-9999 ssmith@schmackbioenergy.com	\$3,000,000
10-376	Algaeventure Systems 1311 Industrial Parkway Marysville, OH 43040	Animal and Food Waste to Energy	Columbus Zoo Rockwell Automation Case Western Reserve University CIFT	Ross Youngs 937-645-4605 ryoungs@algaevs.com	\$1,000,000
10-377	Fuel Harvest, Inc. 100 W. Elm St. Cedarville, OH 45314	Fuel Extraction from Landfill and Oil Shale		Denyse DuBruqc 937-766-4660 denysedbq@aol.com	\$2,800,000
10-378	Algaeventure Systems 1311 Industrial Parkway Marysville, OH 43040	Algae Harvesting, Dewatering and Drying	Ohio University Rockwell Automation Case Western Reserve University	Ross Youngs 937-645-4605 ryoungs@algaevs.com	\$1,000,000
10-379	Myers Motors 180 S. Ave. Tallmadge, OH 44278	Demonstrating Electric Vehicle Manufacturing	The University of Akron	Dana Myers 330-630-3768 dana.myers@myersmotors.com	\$1,000,000
10-380	duplicate submission deleted				
10-381	MonoMobile Corporation 2692 Madison Rd., Suite N-1 Cincinnati, OH 45208	"Liberator Car" Demonstration Track	Air Force Institute of Technology Wright State University Henry M. Wood Company Premier Rides Birket Engineering	Jay Andress 513-460-6687 jay.andress@monomobile.com	\$500,000

10-382	New Generation Engineering Knowledge 3342 Parkhill Dr. Cincinnati, OH 45248	Computer Configured Combustion Cycle for ICE	Siverstone Advisors	Douglass Dennis 513-598-8578 doug@ngek.com	\$1,000,000
10-383	Logotec Construction 9113 Greeno St. Stoutsville, OH 43154	Storing Hydrogen in Hollow Glass Microspheres	KOPA Innovations Group NYS College of Ceramics PHPK Technologies	John Chumley 740-474-1249 jchumley@columbus.rr.com	\$750,000
10-384	Wind Energy Corporation P.O. Box 6036 Elizabethtown, KY 42702	Vertical Axis Wind Turbine	University of Toledo SSOE	Michele Hilbig 502-212-2654 mhilbig@windenergycorp.com	\$1,000,000
10-385	Polyflow 526 S. Main St., Ste. 230 Akron, OH 44311	Fuels from Polymer Waste		Joseph D. Hensel 330-807-2962 henseljd@polyflowcorp.com	\$1,000,000
10-386	The University of Akron Research Foundation 411 Wolf Ledges Parkway, Suite 105 Akron, OH 44311	Membranes for Batteries and Fuel Cells	eVionyx ZnErgy Case Western Reserve University Eaton Corp	Barry Rosenbaum 330-972-8821 barry@uakron.edu	\$1,000,000
10-387	HP2g 2611 N. Scott St. Napoleon, OH 43545	110 MPG Engine		Douglas Pelmeur 419-592-2677 team@hp2g.com	\$400,000
10-388	AlGalCo 6532 Castle Knoll Ct. Indianapolis, IN 46250	Aluminum/Water Hydrogen Generation	Energy Technologies Edison Welding Institute JumpStart	Kurt C. Koehler 317-361-2787 ksquaredtrdco@aol.com	\$1,000,000
10-389	Arisdyne Systems 17909 Cleveland Parkway, Suite 100 Cleveland, OH 44135	Ethanol Production Concurrently with Starch	OARDC The Ohio State University The Andersons	Dave Coleman 216-458-1991 dcoleman@arisdyn.com	\$1,000,000
10-390	The Ohio State University 2015 Neil Ave. Columbus, OH 43210	Microgrid Demonstration Research Laboratory	EMTEC	Ali Keyhani 614-353-4691 keyhani@ece.osu.edu	\$3,000,000
10-391	The Ohio State University 2015 Neil Ave. Columbus, OH 43210	Wind Generators, Flow Batteries & Flywheels	EMTEC Emerson Liebert	Ali Keyhani 614-353-4691 keyhani@ece.osu.edu	\$1,250,000
10-392	EBO Group P.O. Box 305, 1441 Wolf Creek Trail Sharon Center, OH 44274	Hybrid Systems for Engine Driven Equipment	University of Akron Industrial Control Design & Maintenance	James A. Douth 330-590-8105 jdouth@ebogroupinc.com	\$1,000,000
10-393	Kelly Aerospace 1625 Lost Nation Rd. Willoughby, OH 44094	Wind Turbine Ice Protection Systems		Erik Pederson 440-951-4744 epederson@kellyaerospace.com	\$1,000,000
10-394	duplicate submission deleted				
10-395	Adsorption Research 6175-D Shamrock Ct. Dublin, OH 43016	Landfill Biomass into Natural Gas	City of Dublin Columbia Gas Centennial Associates	Kent Knaebel 614-798-9090 k.knaebel@adsorption.com	\$1,000,000
10-396	Avtron Industrial Automation 7900 E. Pleasant Valley Rd. Independence, OH 44131	Absolute Magnetic Encoder	The University of Akron MAGNET	Donald Kosnik 216-642-1230 dkosnik@avtron.com	\$1,000,000
10-397	ADF Engineering 228 Byers Rd., Suite 202 Miamisburg, OH 45342	Thin Stillage Optimization	The Andersons Marathon Ethanol Flottweg Separation Technology	Alex Fishman 937-847-2700 afishman@adfengineering.com	\$50,000
10-398	Ohio University Stocker Engineering Center Athens, OH 45701	Power Controller for Multi-Hybrid Vehicles	General Motors	Anima Bose 740-597-3297 bosea@ohio.edu	\$1,000,000