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Category	Description	Key Contact Information	Comments
Advanced	Technology Demonstration and Deployment	DOE-Energy Efficiency & Renewable	BETO Mission: Develop and
Biofuels	The Bioenergy Technologies Office's (BETO)	Energy (EERE) and National	transform our renewable
and	demonstration and deployment activities focus on	Renewable Energy Laboratory (NREL)	biomass resources into
Biomass	integrated biorefinery (IBR) applications and biofuel		commercially viable, high-
products	distribution infrastructure and end use. IBR activities	Dr. Jonathan Male	performance biofuels,
	address problems encountered in the so-called	Director	bioproducts, and biopower
(Federal &	"Valley of Death" between pilot-scale and	Bioenergy Technology Office (BETO)	through targeted research,
National	commercial-scale deployment.	202-586-5188	development, demonstration,
Lab)		jonathan.male@ee.doe.gov	and deployment.
	National Bioenergy Center (NBC)		BETO works closely with USDA,
		James J. (Jim) Spaeth	the Environmental Protection
	Headquartered at NREL, this center unifies DOE's	Program Manager-Demonstration and	Agency, the Department of
	efforts to advance technology for producing	Deployment	Defense, the Department of
	renewable transportation fuels from biomass. NBC's	Bioenergy Technology Office	Transportation's Federal
	mission is to foster capability to catalyze the	720-356-1784	Aviation Administration, and
	replacement of petroleum with transportation fuels	jim.spaeth@go.doe.gov	other departments and
	from biomass by delivering innovative, cost-effective		agencies to accelerate
	biofuels solutions.	Richard (Rich) Bolin	deployment and
	Ensure Systems Integration (ESI)	NBC's Partnerships and Business	commercialization of biomass
	Energy Systems Integration (ESI)	Development	technologies.
	Headquartered at NREL, this program focuses on a	303-384-7716	
	unique system-of-systems concept to energy systems	richard.bolin@nrel.gov	NREL is DOE-EERE's principal
	integration. This approach considers the		national lab and it helps
	relationships among electricity, thermal, and fuel	Dr. Martha Symko-Davies	administer many of EERE's
	systems and data and information networks to	Director of Partnerships for Energy	programs.
	ensure optimal integration and interoperability	Systems Integration (ESI)	
	across the entire energy system spectrum.	303-384-6528	
		Martha.Symko.Davies@nrel.gov	

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Category	Description	Key Contact Information	Comments
Advanced	The Biorefinery Assistance Program provides loan	U.S. Department of Agriculture	USDA can assist in many
Biofuels	guarantees for the development, construction, and	(USDA)	different areas dealing with
and	retrofitting of commercial-scale biorefineries. Read		forest and agriculture. They can
Biomass	more	Randy Monhemius	work with County Extension
products	The Repowering Assistance Program provides	USDA Rural Development	Offices to help educate farmers
	payments to eligible biorefineries to replace fossil	Federal Building, Room 507	on biomass production and
(Federal)	fuels used to produce heat or power to operate the	200 North High Street	help establish co-ops to harvest
	biorefineries with renewable biomass. Read more	Columbus, OH 43215-2418	and transport biomass products
		(614) 255-2424	to processing facilities.
	The Advanced Biofuel Payment Program provides	Randy.Monhemius@oh.usda.gov	
	payments to producers to support and expand		
	production of advanced biofuels refined from	Website:	
	sources other than corn kernel starch. Read more	http://www.rurdev.usda.gov/oh	
	The Rural Energy for America Program provides		
	assistance to agricultural producers and rural small		
	businesses to complete a variety of projects,		
	including renewable energy systems, energy		
	efficiency improvements, renewable energy		
	development, energy audits, and feasibility studies.		
	Read more		
	The Biomass Crop Assistance Program (BCAP)		
	provides financial assistance to owners and		
	operators of agricultural and non-industrial private		
	forest land who wish to establish, produce, and		
	deliver biomass feedstocks. BCAP provides two		
	categories of assistance:		
	Matching payments may be available for the		
	delivery of eligible material to qualified		
	biomass conversion facilities by eligible		

Category	Description	Key Contact Information	Comments
	material owners. Qualified biomass		
	conversion facilities produce heat, power,		
	biobased products, or advanced biofuels from		
	biomass feedstocks.		
	Establishment and annual payments may be		
	available to certain producers who enter into		
	contracts with the Commodity Credit		
	Corporation (CCC) to produce eligible biomass		
	crops on contract acres within BCAP project		
	areas. Learn More		
	Feedstock Flexibility Program for Bioenergy		
	Producers, encourages the domestic production of		
	biofuels from surplus sugar. Learn More		
	Rural Development Loan Assistance, forges		
	partnerships with rural communities, funding		
	projects that bring housing, community facilities,		
	business guarantees, utilities and other services to		
	rural America. USDA provides technical assistance		
	and financial backing for rural businesses and		
	cooperatives to create quality jobs in rural areas.		
	Rural Development promotes the President's		
	National Energy Policy and ultimately the nation's		
	energy security by engaging the entrepreneurial		
	spirit of rural America in the development of		
	renewable energy and energy efficiency		
	improvements. Rural Development works with low-		
	income individuals, State, local and Indian tribal		
	governments, as well as private and nonprofit		
	organizations and user-owned cooperatives.		

Category	Description	Key Contact Information	Comments
Advanced	Farm-to-Fleet, a joint USDA and Navy venture to	USDA and Navy	The Navy seeks to purchase JP-
Biofuels	make biofuel blends part of regular, operational fuel		5 and F-76 advanced drop-in
and	purchase and use by the military. The program		biofuels blended from 10 to 50
Biomass	allows for the acquisition of biofuel blends into		percent with conventional
products	regular Department of Defense (DOD) domestic		fuels. Funds from USDA's
	solicitations for jet engine and marine diesel fuels.		Commodity Credit Corporation
(Federal)			(CCC) are available for Farm-to-
			Fleet projects.
Advanced	BioEnergy Science Center (BESC) is a multi-	ORNL/BESC	BESC is one of three Bioenergy
Biofuels	institutional (18 partner), multidisciplinary research	Dr. Paul Gilna	Research Centers established
and	(biological, chemical, physical and computational	Director	by DOE's Office of Science in
Biomass	sciences, mathematics and engineering) organization	865-576-0567	2007 to accelerate research
products	focused on the fundamental understanding and	gilnap@ornl.gov	toward the development of
	elimination of biomass recalcitrance. BESC's		cost-effective advanced
(Federal &	approach to improve accessibility to the sugars	Website: bioenergycenter.org	biofuels.
National	within biomass involves 1) designing plant cell walls		
Lab)	for rapid deconstruction and 2) developing	Dr. Renae Speck	
	multitalented microbes for converting plant biomass	Director of Technology Transfer and	
	into biofuels in a single step (consolidated	Partnership	
	bioprocessing.	865-576-4680	
		speckrr@ornl.gov	
Advanced	Industry group promoting the use of biofuels	Advanced Biofuels Association (ABFA)	ABFA represents over 40
Biofuels			member companies who
and		Michael McAdams	produce advanced and
Biomass		President	cellulosic biofuels, as well as
products		202-469-5140	renewable feedstocks.
(Industry		Website:	
Group)		www.advancedbiofuelsassociation.	
		com	

Category	Description	Key Contact Information	Comments
Advanced	Educational programs for a wide range of interests in	American Council on Renewable	ACORE, a 501(c)(3) non-profit
Biofuels	the renewable energy community, focusing on	Energy (ACORE)	membership organization, is
and	technology, finance, policy and market development.		dedicated to building a secure
Biomass	ACORE has three primary areas of focus: National	Michael R. Brower	and prosperous America with
products	Defense & Security, Power Generation and	President & CEO	clean, renewable energy.
	Infrastructure, and Transportation.	202-393-0001 (ACORE Office)	ACORE convenes thought
(Industry			leadership forums, regional
Group)		Website: www.acore.org	roundtables, and creates
			energy industry partnerships to
			communicate the economic,
			security and environmental
			benefits of renewable energy,
			including biofuels and biomass
			products.
Advanced	Industry group focuses alternative jet fuels for	Commercial Alternative Aviation Fuel	CAAFI is a coalition that focuses
Biofuels	aviation	Initiative (CAAFI)	the efforts of commercial
and			aviation to engage the
Biomass		Steve Csonka	emerging alternative fuels
products		Executive Director	industry. It enables its diverse
		513-800-7980	participants - representing all
(Industry		Csonka.CAAFI.ED@gmail.com	the leading stakeholders in the
Group)			field of aviation - to build
		Website: www.caafi.org	relationships, share and collect
			data, identify resources, and
			direct research, development
			and deployment of alternative
			jet fuels
Advanced	Private sector biofuels producer that uses patented	Aemetis, INC	Aemetis, Inc. is an industrial
Biofuels	microbes and processes to produce renewable	20400 Stevens Creek Boulevard	biotechnology company
and	chemical and fuels.	Suite 700	producing renewable chemicals
Biomass		Cupertino, CA 95014	and fuels using patented

Category	Description	Key Contact Information	Comments
products			microbes and processes. The Z-
		Eric McAfee	Microbe is a patented organism
(Industry)		CEO	that converts a variety of
			renewable feedstocks such as
		Andy Foster	sugar, starch and cellulose
		President of Aemetis Advanced Fuels	directly into renewable
		408-213-0940 (Aemetis Office)	chemicals and fuels. The Z-
			Microbe technology utilizes
		Website: www.aemetis.com	consolidated bio processing
			(CBP) technology to convert
			multiple feedstocks into
			chemicals and fuels in one, low-
			cost process. Aemetis is a
			company owned by venture
			capitalists.
Advanced	Actively support regional programs and projects that	Boeing	Boeing will support, with
Biofuels	are focused on providing alternative and biofuels to		personnel and funding, regional
and	the aviation industry.	Timothy J. Vinopal	aviation fuel initiatives that are
Biomass		Boeing Defense, Space & Security	started and lead by others.
products		Director - EH&S Engineering	
		206-406-2277	
(Industry)		timothy.j.vinopal@boeing.com	
		Stephen Emmert	
		stephen.k.emmert@boeing.com	
Advanced	Private sector biofuels producer	Cool Planet Energy Systems	Cool Planet strategic investors
Biofuels			include BP, Google Ventures,
and		Howard Janzen	Energy Technology Ventures
Biomass		President & CEO	(GE, ConocoPhillips, NRG
products			Energy), and the Constellation
		Vital Aelion	division of Exelon. Cool Planet

Category	Description	Key Contact Information	Comments
(Industry)		VP of Strategic Planning, Assistant to	started construction on its first
		the CEO	commercial facility in
			Alexandria, LA in February
		303-221-2029 (Cool Planet Office)	2014.
Advanced	Private sector focused on the logistics biomass	FDC Enterprises, INC (FDCE)	FDCE, , has been awarded 2 US
Biofuels	feedstock logistics and improving biomass supply	based in Springfield, OH	Department of Energy (DOE)
and	chain efficiencies.		grants to develop industrial
Biomass		Fred Circle	scale methods for efficiently
products		President & CEO	collecting, harvesting, storing
		866-270-4833 (FDC Office)	and transporting feedstock to
(Industry)		fred@fdcenterprises.com	be used for biofuels and
			bioproducts. They are currently
		Tom Schwartz	involved in 4 major dedicated
		Vice President of Marketing	energy crop projects and 6
		217-725-7550	direct-fire biofeedstock
		tom@fdcenterprises.com	projects across the nation.
Advanced	Private sector biofuels producer	Frontline BioEnergy	Frontline BioEnergy develops
Biofuels,			innovative gasification
Biomass		Jerod Smeenk	solutions for renewable energy,
products,		Director of Project Engineering	renewable fuels, and
Waste-to-		jsmeek@frontlinebioenergy.com	renewable products. In 2013,
Energy			the U.S. Department of Energy
		Dr. T. J. Paskach	(DOE) announced it would
(Industry)		Director of Technology	invest \$4.2 million through its
			Integrated Biorefinery Program
		515 292-1200 (Frontline Office)	in Frontline's TarFreeGas®
			gasification technology and SGC
		Website:	Energia US's Fischer-Tropsch
		www.frontlinebioenergy.com	technology to produce drop-in
			biofuels for military use.
			Beginning in 2014, this project

Category	Description	Key Contact Information	Comments
			will be constructed and
			operated in Texas in
			partnership with SGC Energia
			US.
Advanced	Private sector biofuels producer that utilizes woody	KiOR	KiOR had technical challenges
Biofuels	biomass as feedstock to produce drop-in fuels.		and severe financial losses in
and		Fred Cannon	2103. KiOR is a next-generation
Biomass		President & CEO	renewable fuels company that
products			has developed a proprietary
		John Kasbaum	technology platform to convert
(Industry)		Senior Vice President of Commercial	biomass into renewable crude
			oil that is processed into
		281-694-8700 (KiOR Office)	gasoline, diesel and fuel oil
			blendstocks. The company built
		Website: www.kior.com	the first commercial scale
			cellulosic fuel facility in
			Columbus, MS, which started
			production in 2012.
Advanced	Private sector biofuels technology developer	UOP LLC, (A Honeywell Company)	UOP is a leading international
Biofuels	responsible for developing and implementing some	headquartered in Des Plaines, Illinois	supplier and licensor of
and	of the most useful, original technologies in the world.		technologies for the petroleum
Biomass	UOP, through its joint venture Envergent	Jim Rekoske	refining, gas processing,
products	Technologies, provides technology that converts	Vice President and General Manager	petrochemical production and
	biomass into a liquid biofuels.	of UOP's Renewable Energy and	biomass industry.
(Industry)		Chemicals	
		847-375-7187	
		James.Rekoske@uop.com	
Advanced	Private sector biofuels producer, who uses patented	Virent Energy Systems	Virent has key strategic
Biofuels	catalytic chemistry, to convert soluble biomass-		relationships in place with
and	derived sugars into products molecularly identical to	Lee Edwards	Royal Dutch Shell, Cargill and
Biomass	those made with petroleum, including gasoline,	President	Honda to add vital resources

Category	Description	Key Contact Information	Comments
products	diesel, jet fuel, and chemicals used for plastics and	608-663-0228 (Virent Office)	and expertise required to
	fibers		accelerate commercialization of
(Industry)		Website: <u>www.virent.com</u>	its technology.
Coal	ADVANCED ENERGY SYSTEMS PROGRAM	DOE-Fossil Energy and National Energy	NETL is DOE-FE's principal
Conversion	NETL's Advanced Energy Systems Office conceives,	Technology Laboratory (NETL)	national lab and has offices and
	analyzes, and develops energy technologies that can		research facilities in Pittsburgh,
(Federal &	minimize the environmental impact of fossil fuel use	Sean Plasynski	PA and Morgantown, WV
National	and optimize the use of our domestic energy	Director: Strategic Center for Coal	
Lab)	resources and infrastructure. Below are links to focus	412-386-4867	Need to follow-up with entities
	areas:	Sean.Plasynski@netl.doe.gov	receiving funding to see if there
	Gasification Systems Advanced Combustion Coal		is a possibility of having pilots
	& Coal/Biomass to Liquids Solid Oxide Fuel Cells	Heather Quedenfeld	or demonstrations in the
	<u>Turbines</u>	Division Director: Advanced Energy	region. Also, need to
		Systems Division 412-386-5781	investigate if regional universities are involved as
	Air Force Coal-derived Jet Fuel, DOE is funding	heather.guedenfeld@netl.doe.gov	R&D partners.
	(~20M) projects that will lead to a jet fuel with lifecycle	neather.quedemend@nett.doe.gov	Rod partiers.
	greenhouse gas emissions less than or equal to	Michael Knaggs	
	conventional petroleum-based jet fuel production,	Director: Office of Major	
	while remaining cost-competitive.	Demonstration	
	Award recipients will share in the costs of the project,	304-285-4926	
	providing at least 20 percent of the funds. Areas of	mnagg@netl.doe.gov	
	interest for the jet fuel projects are —		
	Hybrid coal-to-liquids processes for jet fuel		
	production.		
	Process intensification for coal conversion for jet		
	fuel production.		
	 Innovative non-traditional coal conversion processes 		
	for jet fuel production.		
	ior jet ruer production.		

Category	Description	Key Contact Information	Comments
	Commercialization analysis for construction of a site		
	specific coal-to-liquids facility		
Coal Conversion	Anaerobic bioconversion of coal to useful products: natural (methane) gas, liquid fuels, humic/fulvic acid	Arctech and Humaxx	ARCTECH and Humaxx are spin-off company from the
	fertilizer, and chemicals	Dr. Daman Walia	Atlantic Research Corporation's
(Industry)		571-338-5005	Environmental Science and Technology division.
		Websites: www.arctech.com	
		www.humaxx.com	
Economic	A government formed regional economic	The Appalachian Regional Commission	ARC has Local Development
Develop-	development agency that represents a partnership of	(ARC)	Districts throughout the
ment	federal, state, and local government. ARC funds	1666 Connecticut Avenue, NW	Appalachia. The one for
	projects that address the four goals identified in the	Suite 700	Portsmouth area is:
	Commission's strategic plan:	Washington, DC 20009-1068	
	1. Increase job opportunities and per capita		Ohio Valley Regional
	income in Appalachia to reach parity with	Charles S. Howard	Development Commission
	the nation.	Interim Executive Director, General	73 Progress Drive
	2. Strengthen the capacity of the people of	Counsel	Waverly, Ohio 45690-1196
	Appalachia to compete in the global	202.884.7700	740-947-2853
	economy.	choward@arc.gov	Executive Director: John
	3. Develop and improve Appalachia's		Hemmings
	infrastructure to make the Region	Karen Fabiano	email@ovrdc.org
	economically competitive.	Program Manager	Web Site:
	4. Build the Appalachian Development Highway	Governor's Office of Appalachia	http://www.ovrdc.org
	System to reduce Appalachia's isolation.	77 South High Street, 24th Floor	Counties: Adams, Brown,
		P.O. Box 1001	Clermont, Gallia, Highland,
		Columbus, OH 43216-1001 614.644.9228	Jackson, Lawrence, Pike, Ross, Scioto, Vinton, (Fayette)
		karen.fabiano@development.ohio.go	
		v	
	<u> </u>	<u>v</u>	<u> </u>

Category	Description	Key Contact Information	Comments
Fertilizer	Private sector involved in producing nitrogen based	Ohio Valley Resources, Inc (OVR)	OVR has entered into a
Production	fertilizer from natural gas.	153 Highway 7 S	Memorandum of
		Powhatan Point, OH, 43942	Understanding (MOU) with
(Industry)		(740) 795-5220	Tierra Del Fuego Power &
			Chemical Company Ltd (TEQSA)
		Doug Wilson	for the development of the
		President & CEO	proposed nitrogen fertilizer
			plant in Spencer County,
			Indiana, north of Rockport. The
			focus of the MOU is to provide
			equity financing for the project
			construction while retaining the
			US-based management and
			operations team assembled by
			OVR.
			The high-tech facility is
			expected to produce ammonia
			and urea ammonium nitrate
			(UAN) solution for
			fertilizer. Some of the
			ammonia production will serve
			the local utility markets for NOx
			control (known as selective
			catalytic reduction units or
			SCRs), which reduces emissions
			in coal-fired power plants and
			industrial facilities. In addition,
			the plant will produce diesel
			exhaust fluid (DEF), a urea
			solution used to reduce
			emissions in diesel engines.

Category	Description	Key Contact Information	Comments
			~ 1,200 workers will be needed
			to construct the plant during a
			three-year period. Upon
			completion in 2017, the facility
			will employ approximately 80
			full-time workers.
Nuclear	Commercial Nuclear Power Plant for producing	Duke Energy	In 2009 and 2010, as part of the
	electrical power.		Southern Ohio Clean Energy
(Industry)		Lawrence Denney	Alliance, Duke investigated
		Nuclear Development Strategy	locating a commercial nuclear
		Manager	power plant at PORTS. The
		704-382-1895 (O)	other alliance members were
		704-654-7491(M)	AREVA, USEC Inc., UniStar
		Lawrence.Denney@duke-energy.com	Nuclear Energy and the
			Southern Ohio Diversification
			Initiative (SODI).
Nuclear	Next Generation Nuclear Plant (NGNP), development	NGNP Industry Alliance	NGNP Industry Alliance has
	and commercialize a Generation IV, intrinsically safe		held collaboration meetings
(Industry	nuclear high temperature gas-cooled reactor	Mark Haynes	with the European Nuclear
Group)	(HTGR) technology that can be used for	202-617-1687	Cogeneration Industrial
	cogeneration of process heat and electricity,	haynes@concordiapower.us	Initiative (NC2I) to discuss
	displacing other fossil fuels and the greenhouse		collaboration opportunities for
	gases	Website: www.ngnpalliance.org	the development and
			commercialize HTGR
			technology
Ohio	State agency responsible of agricultural activities in	Ohio Department of Agriculture	Interface with for energy crop
Govern-	Ohio		production.
ment		David Daniels	
		Director	
		614-466-3506	

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Category	Description	Key Contact Information	Comments
Ohio	State agency responsible of the natural resources in	Ohio Department of Natural	Division of Forestry's mission is
Govern-	Ohio	Resources	to promote and apply
ment			management for the
		Robert L. Boyles	sustainable use and protection
		Chief, Division of Forestry	of Ohio's private and public
		2045 Morse Road, Building H-1	forest lands, which about
		Columbus, OH 43229-6693	200,000 acres is State Forest.
		614-265-6694	
		Southern District (Division of Forestry)	
		Nate Jester	
		Administrator	
		345 Allen Avenue	
		Chillicothe, OH 45601	
		740-774-1596	
Ohio	State agency responsible for:	Ohio Development Services Agency	ODSA offers a broad range of
Govern-	Advanced energy and efficiency program, whose	(ODSA)	services and administers a
ment	mission is to grow the economy of the state by		variety of programs that
	connecting companies and communities to financial	David Goodman	support economic
	and technical resources increase efficiency and	Director	development.
	deploy advanced energy technologies.	614-466-3379	
	Alternative Fuel Transportation Program, whose	Office of Energy and the Ohio Coal	
	mission is to improve air quality through financial	Development Office	
	assistance to businesses, nonprofit organizations,	77 South High Street, 26th Floor	
	school districts, or local governments for the	P.O. Box 1001	
	purchase and installation of alternative fuel	Columbus, Ohio 43216-1001	
	refueling, blending, or distribution facilities and terminals.	614-466-6797	
		Governor's Office of Appalachia	
	Ohio Coal Research and Development Program,	Jason Wilson	

Category	Description	Key Contact Information	Comments
	 which is administered by the Ohio Coal Development Office (OCDO) and provides funding for (i) research and development at educational and scientific institutions, and for (ii) demonstration projects. The program seeks projects that result in the maximum conversion or use of Ohio coal as a fuel or chemical feedstock in a cost-effective and environmentally acceptable manner. Qualified Energy Project Tax Exemption, which promotes the deployment of alternative energy sources in Ohio by exempting the public utility tangible personal property tax and the real property tax for "energy facilities" in favor of an affordable, fixed annual payment in lieu of taxes for the life of the facility. Owners of large "energy facilities" must repair roadways damaged in the construction of the facility, train and equip emergency personnel, develop relationships with members of the university system of Ohio to promote education in alternative energy, and remain in compliance with all applicable federal, state, and local regulations. The Clean Ohio Fund, which restores, protects, and connects Ohio's important natural and urban places by preserving green space and farmland, improving outdoor recreation, and cleaning up brownfields to encourage redevelopment and revitalize communities. 	Director 614-644-9228 Office of Technology Investments Norm Chagnon Ph.D. Deputy Chief 614-466-3887	
	Site Selection and Certification, which helps		

Category	Description	Key Contact Information	Comments
	businesses, choose the right location for their facility.		
	ODSA works with JobsOhio to provide tools and		
	resources for businesses, site selectors and		
	communities looking to provide development-ready		
	sites. Ohio has a database of available sites for		
	businesses, as well as a program designed to certify		
	and market a community's job-ready sites. ODSA can		
	help communities ensure that sites are viable for		
	their intended end use, and if not, can advise what		
	investments need to be made in order to attract a		
	high-quality end user.		
	Appalachia Programs, which is administered by		
	Governor's Office of Appalachia, who serves as an		
	advocate for Ohio's 32 Appalachian counties. The		
	Office partners with organizations, agencies, and		
	individuals to foster positive economic growth and		
	improve the quality of life for all citizens living in the		
	region. The Governor's Office of Appalachia works		
	with Ohio's four Local Development Districts and		
	with the Appalachian Regional Commission in		
	Washington, D.C., to promote the region's assets and		
	to support local, regional, state, and federal		
	initiatives.		
	Ohio Third Frontier , which Frontier provides funding		
	to Ohio technology-based companies, universities,		
	nonprofit research institutions, and other		
	organizations to create new technology-based		
	products, companies, industries, and jobs. This		
	program is administered by Office of Technology		

Category	Description	Key Contact Information	Comments
	Investments.		
Oil & Gas	Private sector producer and refiner of oil and is	Marathon Petroleum Corporation	MPC is the nation's fourth-
	exploring biofuel co-processing	(MPC)	largest refiner, with a crude oil
(Industry)		419-422-2121 (Findlay HQ)	refining capacity of
	On Feb. 3, 2014 MPC announced that it signed an		approximately 1.7 million
	agreement to purchase a facility in Cincinnati, Ohio	Website:	barrels per calendar day in its
	from Felda Iffco Sdn Bhd, Malaysia. The plant	www.marathonpetroleum.com	seven-refinery system. MPC
	currently produces several products including		owns, leases or has ownership
	biodiesel and glycerin. The capacity of the plant is	Gary R. Heminger	interests in approximately
	4,100 barrels per day.	President and Chief Executive Officer	8,300 miles of pipeline.
			Through subsidiaries, MPC
		Richard D. Bedell	owns the general partner of
		Senior Vice President, Refining	MPLX LP, a midstream master
			limited partnership. MPC's fully
			integrated system provides
			operational flexibility to move
			crude oil, feedstocks and
			petroleum-related products
			efficiently through the
			company's distribution network
			in the Midwest, Southeast and
0:1.9.0		Change and the European	Gulf Coast regions.
Oil & Gas	Private sector oil and gas producer working the Utica	Chesapeake Energy	Chesapeake has grown to
(1	and Marcellus shales.	Robert Lawler	become the second-largest
(Industry)		CEO	producer of natural gas, 11th
		6100 North Western Avenue	largest producer of oil and
		Oklahoma City, OK 73118 405-848-8000	natural gas liquids, and the most active driller of onshore
		403-040-0000	wells in the country
Waste-to-	Private sector company based in Ohio that utilizes	Quasar Energy Group	Partnered with Clean Fuels
Energy	anaerobic digestion technologies to convert organic		Ohio, OSU's Ohio Agricultural
LIICIBY	ander obic digestion technologies to convert organic		onio, Oso s onio Agricultural

Category	Description	Key Contact Information	Comments
(Industry)	solid waste from agricultural farmers, industrial food companies, municipal treatment plants and ethanol producers to produce biogas that becomes reusable energy while remaining liquid and resulting solids can be used for fertilizer and organic soil amendments.	Melvin R. Kurtz President Independence Tower 5755 Granger Road, Suite 320 Cleveland, Ohio 44131 216-986-9999	Research and Development Center (OARDC) ENTER and OSU's Ohio Bioproducts Innovation Center (OBIC)