

Q14 Attachment 1
MSU Energy Projects

#	Title	Start date
1	Fatigue and Static Testing of Composite Materials for Wind Turbine Blade Applications	1/1/2006
2	Directed Evolution of NiFe Hydrogenases for BioSolar H2 Production	3/1/2006
3	Strategies for Growth in On-Farm Camelina Production in Montana Agriculture	4/1/2006
4	Load Control for Power System Performance Enhancement	4/18/2006
5	Electro-Catalyst Infiltration of Engineered Solid Oxide Fuel Cell Electrodes	6/1/2006
6	Evaluation of safflower genetic lines for value added oil yield and quality characteristics for biobased lubricants/biodiesel and for value added meal co-products for livestock supplements and other uses	7/15/2006
7	Potential Energy Crops & Biomass Conversion Technologies for Ethanol	7/15/2006
8	Weed Control Programs for Biodiesel Fuel Production	7/15/2006
9	CAREER: Fuel Cell Degradation Diagnostics and Control	8/1/2006
10	Evaluation of Oilseed Crops for Biodiesel Production and Quality in Montana	8/1/2006
11	Montana Palladium Research Initiative	8/31/2006
12	Basic Science of Retention Issues, Risk Assessment, and Measurement, Monitoring and Verification for Geologic CO2 Sequestration	9/1/2006
13	5 kW Solid Oxide Fuel Cell (SOFC) Demonstration System	9/28/2006
14	Biobased Processed Engineered Fuels	1/2/2007
15	Probing the Sources of the High-Speed Solar Wind with the Multi-Order Solar EUV Spectrograph	3/1/2007
16	Fatigue of Composite Materials for Wind Turbine Blades	3/7/2007
17	Subsurface Uranium Fate and Transport: Integrated Experiments and Modeling of Coupled Biogeochemical Mechanisms of Nanocrystalline Uraninite Oxidation by Fe(III)-(hydro)oxides	3/15/2007
18	International (Norway): Globalizing Perspectives on Climate Change and Ecosystem Health-Opportunities for Undergraduate Participation in Science and Policy	5/1/2007
19	Strategies for Growth in On-Farm Camelina Production in Montana Agriculture: An Economic Feasibility Assessment	7/1/2007
20	Hydrologic, Carbon and Climate Data Organizations, Structuring and Management for the Tenderfoot Creek Experimental Forest	8/15/2007
21	Noxious Weed Mapping and Carbon Sequestration	9/1/2007
22	CAM-A-Lina, A Montana Fuel Additive	9/1/2007
23	Protein Architectures for Photocatalytic Hydrogen Production	9/1/2007
24	Measurement of Volatile Organic Compound Emissions in the Exhaust of a Jet Engine Burning Bio-Fuel by PTR-MS	9/1/2007
25	Successful Bio-Energy Production on the Fort Peck Indian Reservation	10/1/2007
26	Educational Research for Successful Bio-Energy Production on the Fort Peck Indian Reservation - Bio-Diesel Research	10/1/2007
27	Small Scale Farm Level Alternative Energy Production: Business Plans and Case Studies of Wind Energy and Biodiesel Production	10/3/2007
28	Evaluation of Camelina Sativa as an Alternative Seed Crop and Feedstock for Biofuel and Developing	10/11/2007
29	High Power Density SOFC Project - Phase 2	11/23/2007
30	Manufacturing of Composite Wind Turbine Blades	2/7/2008
31	SGER: The Production of Fuel Hydrocarbons by Gliocladium sp.	3/1/2008
32	Innovative Commercialization Strategies for Long Term Geologic Sequestration of Carbon in Montana	3/1/2008
33	Big Sky Regional Carbon Sequestration - BP2	3/11/2008
34	Sustainable Food & Bioenergy System Internships Development Project	4/1/2008
35	Montana Wind Application Center	4/14/2008
36	Study of Silicon Transport in Low Purity/Low Cost Insulation Materials for Solid Oxide Fuel Cells	6/1/2008
37	Spectroscopic and Computational Mapping of Biological and Biomimetic Hydrogenase Mechanisms	7/1/2008

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#	Title	Start date
38	Bio-Product and Alternative Energy Manufacturing Assistance	9/1/2008
39	Managing on-farm energy budgets with legume manure	9/1/2008
40	Environmental Responses to Geologic CO2 Sequestrations	9/1/2008
41	Synchrotron Characterization of interface related performance issues of LSCF cathodes in SOFCs	9/3/2008
42	Measurement of Volatile Organic Compound Emissions in the Exhaust of a Jet Engine Burning Alternative Fuels by PTR-MS	12/15/2008