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Your Bridge to Successful Grants

Grant and Guaranteed Loan Opportunities for Renewable Energies

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Overview of Financing for Renewable Energy Projects Today

- Financial crisis has made equity and debt financing very difficult to obtain.
- Many tax credit investors no longer exist or have any capacity for additional investing.
- Angels, VC's and institutional investors have pulled back as the markets and credit crunch has impacted their liquidity.

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Market Drivers

- State Renewable Portfolio Standards require more renewable power projects.
- National RPS is likely and would further this trend.
- Potential carbon cap-and-trade system would further drive renewable power projects.
- Carbon emissions restrictions and renewable fuels standards requiring more biofuel supply.
- National security issues create market for domestic energy production.

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• Agenda

- Joint Committee on Taxation recommendations for American Recovery & Reinvestment Tax Act of 2009
- Grants
 - Section 9007 Renewable Energy in America Program Grants
 - Section 9008 Biomass Research and Development Grants
 - Value-Added Producer Grants
 - DOE 20% Wind by 2030: Overcoming the Challenges
 - Small Business Innovation Research and Technology Transfer
 - DOE Demonstration of Integrated Bio-Refinery Operations
- Guaranteed Loans
 - USDA 9003 Bio-Refinery Assistance
 - USDA 9007 REAP
 - USDA Business and Industry
 - DOE RE, EE, Advanced Transmission and Distribution Technology
- Other Opportunities under the 2008 Farm Bill

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Joint Committee on Taxation recommended inclusions for American Recovery and Reinvestment Tax Act of 2009

- Extend PTC through 2013 (2012 for wind facilities)
- Allow facilities to elect to take 30% investment tax credits, rather than PTC
- Existing tax credit (10 or 30%, depending on technology)
 - Business – eliminate the credit caps for small wind and remove current exclusion on calculating tax basis of property
 - Residential – eliminate credit cap for solar hot water, geothermal and wind and eliminate reduction in credits for property using subsidized energy financing
- Authorize additional expenditures under New CREBs (Clean Renewable Energy Bonds) program and Energy Conservation Bonds (additional \$1.6 billion, \$2.4 billion, respectively)
- Extension and modification of credit for non-business energy property (extend through 2010, increase rate, change annual/lifetime caps)
- Temporary increase in credit for alternative fuel vehicles refueling stations
- Creates a new 20% credit for all qualified energy research expenses in 2009/2010
- Credit for investment in advanced energy properties (manufacturing now included)
- Establishes Tribal Economic Development Bonds & Recovery Zone Facility Bonds

Recommendations included much for RE which bears watching

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Farm Bill Section 9007 Renewable Energy for America Program (REAP)

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Section 9007 REAP grants for RE / EE

- To fund purchase and installation of renewable energy systems and energy efficiency improvements
- Mandatory Funding
 - \$55 Million for FY 2009
 - \$60 Million for FY 2010
 - \$70 Million each for FY 2011-2012
- Additional \$25 Million each FY in discretionary funding
- Grants – fund up to 25% of project cost, up to maximums of:
 - \$500,000 for Renewable Energy projects
 - \$250,000 for Energy Efficiency projects

Funding announcement expected any day. 2-3 competition deadlines possible before June 2009

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Section 9007 REAP Eligibility

- Renewable Energy or Energy Efficiency projects
- Ag Producers – requires at least 51% of Gross Income from farming
- Rural Small Business
 - Less than 50,000 population in 2000 census
 - Outside of urban/suburban-catchment areas
 - Private entity that meets SBA's small business definition
 - Defined by North American Industry Classification System (NAICS) code
 - Classification on gross sales or # of employees
 - Non-profit organizations NOT eligible except select utility and cooperative arrangements

Energy usage must be business/commercial load – NOT residential load

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Section 9007 REAP

- Qualifying Renewable Energy technologies
 - Bio-energy – systems that produce energy or fuel from a biomass source (corn/pellet burners, ethanol, bio-diesel, biomass pelletizers, etc)
 - Anaerobic Digesters
 - Geothermal – either direct use or electric generation
 - Hydrogen – either a renewable energy system that produces hydrogen or a renewable energy system that uses hydrogen as an energy transport medium
 - Small Solar systems – less than 10 kW
 - Large Solar systems – greater than 10 kW
 - Small Wind – up to 100 kW
 - Large Wind – greater than 100 kW

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Section 9007 REAP

- Qualified Energy Efficiency
 - Any type of improvement that decreases energy consumption
 - Energy savings must be documented via either an energy assessment or an energy audit
 - Projects with project costs greater than \$50,000 require an energy audit conducted by Certified Energy Manager, PE or utility representative
- Applicant can submit 1 RE and 1 EE application per year
 - Reduction in points scored if applicant has received a grant in the previous 2 years

Programs are COMPETITIVE. Highest scoring applications are in best position to receive funding

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Section 9007 REAP

- 2 types of applications
 - **Simplified applications** are for project cost up to \$200,000 (grant funding up to \$50,000)
 - Simplified applications score an extra 5 points during scoring
 - **Full applications** – project cost <\$200,000 up to \$2,000,000 (grant funding up to \$500,000)
 - Requires more rigorous project plans to be supplied
 - Feasibility study
 - Rigorous resource assessment information (1 year of Met tower data, feedstock market and handling details, soil conductivity tests, etc)
 - Professional Engineer (PE) required to be on team
 - Must demonstrate financial need, rather than just certifying financial need (*this rumored to be changing under new program*)
 - 3 years historical revenue data and 3 years Pro Forma required and in depth project economic analysis
 - Detailed technical report information including permitting, engineering plans, proof of equipment availability, operations and maintenance plan details, etc.

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Section 9007 REAP

- Eligible project costs include
 - **Post-application** purchase and installation of equipment (**new, refurbished or re-manufactured only**) except agriculture tillage equipment, vehicles, or used equipment
 - **Post-application** construction or improvements
 - Energy audits or assessments
 - Permit or license fees
 - Professional service fees, except for application preparation fees
 - Feasibility studies and/or technical reports
 - Business plans
 - Retrofitting
 - Construction of a new energy efficient facility only when the facility is used for the same purpose, is of the same size, and based on an energy audit will provide more energy savings than improving the existing facility

Do NOT put money down on Equipment or Labor until after Application mailed!

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NEW PROGRAM – Section 9007 Energy Audits and Feasibility Study Grants

- Energy Audit Grants will be “pass-through” program – government funds an eligible entity to develop a program for energy audits. Entity then offers services at reduced cost (possibly 25% of cost) to eligible applicants
 - Eligible Entities
 - State, tribal, local government
 - Land-grant college or university or other institute of higher education
 - Rural electric cooperative or public power entity
 - Any other similar entity as determined by the Secretary
- Feasibility Studies – direct funding to applicant to assess feasibility of project

Funding announcement expected any day

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Farm Bill Section 9008 Biomass Research and Development

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Section 9008 – Biomass Research and Development

- Grants to fund research on and development and demonstration of biofuels and biobased products; and the methods, practices, and technologies, for the production of biofuels and biobased products
- Funding
 - Mandatory
 - \$20 Million FY 2009
 - \$28 Million FY 2010
 - \$30 Million FY 2011
 - \$40 Million FY 2012
 - Discretionary - \$35 Million for each FY 2009-2012
- Maximum grant \$1 Million
- Application is a 2 phase application process (pre-application and full application)

Expected to be released beginning of Feb, with deadline expected mid-end March

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Section 9008 – Biomass Research and Development

- Eligible entities include:
 - Institutions of higher learning,
 - National Laboratory
 - Federal or State Research Agency
 - Private sector entity
 - Nonprofit R&D organization
 - Consortium of above
- Funding categories
 - R&D – funds up to 80% of the project cost
 - Demonstration – funds up to 50% of the project cost

This is a highly competitive grant. Consortia fare well here and project must have a strong Principal Investigator

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Section 9008 – Biomass Research and Development

- Technical Topic Focus Areas

- Feedstock Development

- R&D regarding feedstock development, logistics (harvest, handling, transport, preprocessing, & storage) relevant to production of raw materials for conversion to biofuels and biobased products

- Biofuels and biobased products development

- RD&D of cost effective technologies for cellulosic biomass in production of biofuel & biobased products
 - Diversification of technology relevant to production of bioproducts (chemicals, animal feed, cogenerated power) to increase feasibility of fuel production in a biorefinery

- Biofuels development analysis

- Strategic Guidance
 - Energy & Environmental Impact
 - Assessment of Federal Lands

Primarily a research-driven grant

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USDA Value-Added Producer Grants (VAPG)

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Value Added Producer Grants

- Funds ag. producers to develop and implement value-added projects (creation of marketing opportunities in emerging markets)
 - Renewable energy is a Value-Added Product
- Eligibility: Independent Producer, Farmer or Rancher Cooperatives, Agricultural Producer Group, or Majority-Controlled Producer Based Business Ventures
- Generally ~\$20 Million nation-wide allocated under this program
- Funds 50% of Project costs:
 - Maximum grant for Planning project is \$100 K
 - Maximum grant for Working Capital is \$300 K

***Funding announcement expected within a month;
deadline 30-60 days thereafter***

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Value Added Producer Grants

- Incremental value that is realized by the producer from an agricultural commodity or product as the result of a change in it's physical state
- Incremental value that is realized by the producer from an agricultural commodity or product as the result of differentiated production or marketing, as demonstrated in the business plan
 - *This category qualifies ONLY for a working capital grant, and requires a business plan and feasibility study be in existence*
- Incremental value that is realized by the producer from an agricultural commodity or product as the result of product segregation
- Economic benefit realized from the production of farm- or ranch-based Renewable energy
 - Energy must be generated on-premises

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Value Added Producer Grants

- Planning Grants
 - A defined program of economic activities to determine the viability of a potential value-added venture including feasibility studies, marketing or business plans, legal fees.
- Working Capital grants
 - Funds which are used to operate the venture and pay the normal expenses associated with the operation of that venture.
 - **Funds cannot be used to purchase long-term assets.**
 - Examples of eligible Activities include:
 - Design or purchase an accounting system for the proposed venture
 - Pay for salaries, utilities, and rental of office space
 - Purchase inventory (not including delivery of a raw commodity to the processing plant), office equipment (e.g. computers, printers, copiers, scanners), and office supplies (e.g. paper, pens, file folders)
 - Conduct a marketing campaign for the proposed value-added product

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DOE Grant 20% Wind by 2030: Overcoming the Challenges

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20% Wind by 2030 Grants

- Funding to address challenges preventing further integration of Wind Energy into US society
 - Challenges include
 - Needed investments in transmission
 - Regional planning and load balancing
 - Reduction in wind turbine capital costs
 - Wind turbine performance
 - Siting, wildlife and environmental issues
 - Lack of skilled workforce
- Funding: \$250,000 to \$750,000 per topic for both FY2009 & FY2010
 - Expect to award 1-10 awards in each topic area, per year
- Deadline date: 03March 2009

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20% Wind by 2030 Grants

- All entities eligible except Federal agencies, FFRDC and certain non-profits engaged in lobbying
- Topic Areas
 - Supporting Wind Turbine Research and Testing
 - Market Acceptance
 - Wind Powering America Activities
 - Distributed Wind Technology Best Practices
 - Distributed Wind Technology Site Analysis Tool
 - Environmental Impact
 - Transmission Analysis, Planning, and Assessments
 - Utility Wind Energy Integration
 - Renewable Energy Storage Feasibility Studies
 - Workforce Development
 - Distributed Wind Technology

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Small Business Innovation Research and Technology Transfer Grants

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USDA Small Business Innovation Research Grants (SBIR) and Small Business Technology Transfer (STTR)

- Competitively awarded grants to qualified small businesses to support high quality, advanced concepts research related to important Institutions of higher learning
- Offered by 11 different Federal Agencies- USDA, DOE, DOD, DOC, DoED, HHS, DOT, EPA, NASA, DHS, NSF
 - Specific Topics specified each year by each agency
 - Energy related topics in numerous agency offerings (USDA, DOE, EPA, NSF)
- Eligibility – small businesses
 - Primarily US citizenship ownership
 - Less than 500 employees

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USDA Small Business Innovation Research Grants (SBIR)

- Expectation that project will move from feasibility to commercialization over 3-4 years
 - Phase I grant funds research to determine feasibility of project
 - Limited to \$30,000-\$100,000
 - 6 months (SBIR) or 12 month duration (STTR)
 - Phase II grant funds full research and development of project
 - Limited to \$300,000- \$750,000
 - Phase III is commercialization phase; no government funds associated
- USDA SBIR expected in June with an Aug 09 deadline
- NSF SBIR/STTR closing 25Feb, 2009

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USDA Small Business Innovation Research Grants (SBIR) and Small Business Technology Transfer

- Differences between SBIR and STTR
 - Research Partner involvement
 - SBIR **permits** research partner (up to 33% Phase I and 50% Phase II)
 - STTR **requires** institution research partner (up to 40% small business and 30% research institution)
 - Principal Investigator
 - SBIR requires Principal Investigator to be at least employed by Small Business at least 50% of the time
 - STTR – PI can be from either from research partner or small business

SBIR / STTR highly focused on Research; background, experience, knowledge of Principal Investigator plays a critical role in success of application

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Dept. of Energy (DOE)
Demonstration of Integrated Biorefinery
Operations
Technology Investment Agreements or
Cooperative Agreements

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DOE Integrated Bio-refinery Operations Agreements

- TIA's differ from grants in that award terms may vary from standard Govt.-wide grant terms
- Primary purpose for using TIA's is to encourage non-traditional Govt. contractors to participate in a R&D program and to facilitate new relationships and business practices
- Primary program focus: to support select integrated biorefinery projects possessing necessary technical and performance data to validate readiness for the next level of scale-up
 - Main focus on producing ADVANCED bio-fuels (liquid)
 - Priority to applications with novel or breakthrough technologies AND projects with appropriate collaboration between industry and academia / research centers

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DOE Integrated Bio-refinery Operations Agreements

- Mandatory letter of intent due 20Feb, 2009
- Application due April 30, 2009
- Funding
 - \$15 Million for new awards in FY 2009
 - Additional \$185 Million over FY 2010-2014
- Funding ceiling – Maximum \$15 Million - \$40 Million depending on Topic 1 or 2

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DOE Integrated Bio-refinery Operations Agreements

- Topic Areas
 - Topic Area 1 – to operate an integrated pilot-scale biorefinery in order to validate the technology
 - Through-put of no less than 1 dry tonne of feedstock per day
 - Focus is to validate the performance of the proposed technology and obtain operational information
 - Minimum cost-share of applicant – 30%
 - Topic Area 2 – to design, construct, and operate an integrated demonstration-scale bio-refinery to valid the technology
 - Through-put of no less than 50 dry tonnes of feedstock per year
 - Objective is to support demonstration-scale projects that will validate key process metrics and provide continuous operational data at the scale need to lower technical risks on future projects
 - Minimum cost-share of applicant – 50%
 - Both areas must:
 - Be located in the U.S. and use domestic feedstock
 - Be operational within 3-4 years
 - Construct new plants or use/modify existing facilities

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DOE Integrated Bio-refinery Operations Agreements

- Eligible Feedstocks
 - Must use at least 1 high impact feedstock
 - Domestic feedstock, agronomically and ecologically sustainable with ultimate availability potential of at least 100 million dry metric tonnes per yr.
 - Materials, pre-commercial thinnings or invasive species from NSF and public lands
 - Organic matter available on a renewable and recurring basis
 - MSW is NOT an eligible feedstock, but biomass segregated from MSW as a separate stream IS eligible
 - Not eligible – plant-based material that is generally intended for food

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DOE Integrated Bio-refinery Operations Agreements

- Eligible advanced biofuels products
 - Renewable Fuel (other than corn-starch ethanol) with lifecycle GHG emissions at least 50% less than baseline GHG emissions
 - Liquid transportation fuel produced from renewable biomass and used to replace/reduce the quantity of fossil fuel present in the transportation system
 - May include – ethanol, butanol, or other alcohols, green gasoline or diesel (produced via Fisher-Tropsch synthesis, pyrolysis or other means)
 - Other novel fuels derived from ligno-cellulosic biomass or algae
 - Biodiesel, or other diesel-equivalent fuel derived from renewable biomass, including vegetable oil and animal fat is specifically excluded unless derived from a non-food feedstock

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DOE Integrated Bio-refinery Operations Agreements

- Period of Performance
 - Phase I – Preparation, preliminary design, Environmental reviews, Limited R&D, and similar planning/scoping activities
 - Requires preliminary design and economic projections
 - Must demonstrate successful completion of bench- or pilot-scale testing
 - Only apply if willing to diligently pursue taking the integrated technology to a demonstration scale AND already have sound business plan and technology strategy to deploy and/or to license and market the technology
 - Phase II – Construction of new or modification to existing facilities
 - Must demonstrate successful completion at least at the pilot-scale for any substantially new process
 - Phase III – Follows completion of Independent Engineer's performance test and lasts up to 5 years.
 - Facility operating and reporting results to DOE

Project timeline will be up to 108 months or 9 years. Successful completion of each phase required before moving to the next phase.

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Guaranteed Loan Programs



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Guaranteed Loan Basics

- Guarantee comes from the government, but funds are loaned by applicant's lender
- Lender sets interest rate; rate is not necessarily dictated by the government
- Lenders must be eligible and willing to participate in preparing loan packages

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Farm Bill Section 9003 Bio-Refinery Assistance Program Guaranteed Loans

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Section 9003 – Bio-Refinery Assistance Program

- Loan guarantees made to fund costs of the development and construction of demonstration-scale biorefineries to demonstrate the commercial viability of 1 or more processes for converting renewable biomass to advanced biofuels
 - Mandatory funding
 - \$75 Million FY 2009
 - \$245 Million FY 2010
 - Discretionary funding
 - \$150 Million for each of FY 2009 - 2012.
- \$250 Million Max. loan guarantee
 - Not to exceed 80% of project costs

Deadline to be considered for 1st half 2009 funding was 31Dec 08. 2nd Half 2009 funding deadline 30April 09

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Section 9003 – Bio-Refinery Assistance Program

- The purpose of this section is to assist in the development of new and emerging technologies for the development of advanced biofuels, so as to:
 - increase the energy independence of the United States
 - promote resource conservation, public health, and the environment
 - diversify markets for agricultural and forestry products and agriculture waste material
 - create jobs and enhance the economic development of the rural economy



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Section 9003 – Bio-Refinery Assistance Program

- Eligible Technologies Under the Program Include:
 - technology that is being adopted in a viable commercial-scale operation of a bio-refinery that produces an advanced bio-fuel
 - *advanced biofuels are ones that are not based on corn-kernel starch products*
 - technology not described above that has been demonstrated to have technical and economic potential for commercial application in a bio-refinery that produces an advanced bio-fuel



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Section 9003 – Bio-Refinery Assistance Program

- Eligibility:
 - Project must be in rural area
 - Development and construction or retrofit of commercial-scale bio-refineries using eligible technology or the retrofitting of existing facilities and sugar mills
 - Must meet financial metrics
 - Debt coverage ratio of 1.0 or higher
 - Debt-to-tangible net worth ratio of 4:1 (start-up) and 9:1 or lower for existing businesses
 - Loan-to-value ratio of no more than 10

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Section 9003 – Bio-Refinery Assistance Program

- Lender Package must be submitted, including:
 - Background information
 - Feasibility study
 - Technical assessment
 - Economic analysis
 - Business plan
 - Environmental information
 - Lender's analysis
 - Financing information
 - Loan Agreement
 - Borrower information
 - Lender certifications

Detailed information required at same rigorous level as grant proposals. ALLOW SUFFICIENT TIME FOR PREPARATION!

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Farm Bill Section 9007 REAP Guaranteed Loans

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Section 9007 REAP G. Loans for RE / EE

- Same eligibility requirements as under the grant program
- Funding – a portion of the total funding allotment
- Guaranteed Loans fund up to 50% of the project cost
 - Maximum Loan Guarantee of \$25 Million
 - Combination grant/G.Loan – up to \$25 Million or 75% of project cost
- G. Loan & Combination packages have been on a bi-weekly submission cycle once competition opens
- No application fee
- Guarantee fee – 1% of loan
 - Annual renewal fee - .25% of loan amount

Funding announcement expected any day. Any new deadline cycles will be announced at that time.

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USDA Business and Industry Guaranteed Loans

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USDA Business and Industry Loans (B&I)

- Similar requirements to Section 9007, but includes broader project eligibility
 - Traditionally a commercial loan program; primary use has been expansion
 - Includes purchase of land, machinery and equipment
 - Includes commercially available energy projects that produce biomass fuel and biogas
- Funding – up to \$10 Million, with exceptions
 - Up to \$25-40 Million for certain groups
 - Fund up to 60-80% of the project cost
- Commercially available energy projects that produce biomass fuel or biogas as an output must have completed two operating cycles at design performance levels submitted to the Agency
- No application fee. Guarantee fee – 2% of loan
 - Annual renewal fee - .25% of loan amount

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Dept. of Energy (DOE)
Federal Loan Guarantees for Projects that
employ Innovative
Energy Efficiency, Renewable Energy and
Advanced Transmission and Distribution
Technologies

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DOE Energy Loan Program

- Funding for projects which
 - Avoid, reduce or sequester air pollutants or anthropogenic emissions or greenhouse gases
 - Employ a new or significantly improved technology that is NOT a commercial technology
 - Provide a reasonable assurance of repayment of the principal and interest obligations
- Application deadline – Feb. 26, 2009
- Funding available – up to \$10 Billion in 2009
- Application fee associated with this G.Loan application (\$75,000-125,000) in addition to Loan origination fees

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DOE Energy Loan Program

- Project type
 - Manufacturing projects
 - Focus on long-term reductions in manufacturing and product costs, higher factory through-put and improved product performance
 - Stand-alone projects
 - Focused on renewable energy projects that produce energy from renewable resources, produce fuels from renewable sources, utilize energy efficiency technologies, build advanced efficient electricity transmission and distribution systems, build advanced fuel delivery systems, build energy storage stems, or deploy energy efficient building technologies with a single project
 - Large-scale integration projects
 - May combine multiple eligible renewable energy, energy efficiency and transmission technologies in accordance with a staged development scheme

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DOE Energy Loan Program

- Technology categories
 - Alternative Fuel Vehicles
 - Biomass
 - Efficient Electricity Transmission, Distribution, and Storage
 - Energy Efficient Building Technologies and Applications
 - Geothermal
 - Hydrogen and Fuel Cell Technologies
 - Energy Efficiency Projects
 - Solar
 - Wind and Hydropower
- Foreign ownership allowed as long as project is in the U.S.

Approaching deadline unlikely to be met by applicants who haven't yet begun application. INFO is FYI to watch in future

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Other 2008 Farm Bill Sections of Interest

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Section 9002 – Bio-Fuels Infrastructure Study

- Authorization for Secretaries of USDA / DOE / EPA / DOT to undertake study including:
 - an assessment of the infrastructure needs for expanding the domestic production, transport, and distribution of biofuels given current and likely future market trends
 - recommendations for infrastructure needs and development approaches, taking into account cost and other associated factors
 - a report summarizing infrastructure needs
 - an analysis of alternative development approaches to meet the needs described in the summary, including cost, siting, and other regulatory issues
 - recommendations for specific infrastructure development actions to be taken

***Study & Infrastructure Support Program –No
funding opportunities at this time***

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Section 9002 – Bio-based Market Program

- Provisions for a federal procurement program and voluntary labeling program for bio-based products
- \$1 Million in mandatory FY2008 funding
- \$2 Million mandatory per year FY 2009-2012
- Discretionary funding \$2 Million per year 2009-2012

***PREFERENCE Program –No funding opportunities
at this time***

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Section 9003 – Bio-Refinery Assistance Program

- Grants to assist in paying the costs of the development and construction of demonstration-scale biorefineries to demonstrate the commercial viability of 1 or more processes for converting renewable biomass to advanced biofuels

NOT EXPECTED to be announced until 2010. See details for current 9003 offerings (FY 2009) under Guaranteed Loan

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Section 9004 – RePowering Assistance

- To encourage existing biorefineries to replace fossil fuels used during production of heat/power with systems using renewable biomass
- Payments to support:
 - the installation of new systems that use renewable biomass
 - the new production of energy from renewable biomass
 - Mandatory funding - \$35 Million FY 2009
 - Discretionary funding - \$15 Million each FY 2009-2012

Funding announcement not yet released – possible announcement within next month

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Section 9005 – BioEnergy Program for Advanced Biofuels

- Payments to eligible producers to support and ensure an expanding production of advanced biofuels
- Contractual obligation between producer and US Govt.
- Mandatory funding
 - \$55 Million FY 2009 and 2010
 - \$85 Million FY 2011
 - \$105 Million FY 2012
- Discretionary funding
 - \$25 Million FY each FY 2009-2012

No Program announcements as of yet – unknown timeline

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Section 9006 – Biodiesel Fuel Education Program

- Grants to entities to educate entities and the public about the benefits of biodiesel use
 - Must be a non-profit or institute of higher education
 - Must have demonstrated knowledge of biodiesel fuel production, use or distribution
 - Have demonstrated ability to conduct educational and technical support programs
 - FUNDING - \$1 Million for each of FY 2008 - 2010

No Program announcements as of yet – unknown timeline

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Section 9009 – Rural Self-Sufficiency Initiative

- Produces financial assistance for the purpose of enabling rural communities to increase the energy self-sufficiency of the community
- Discretionary funding (not expected to 2010) - \$5 Million for each FY 2009 - 2012

Section 9011 – Biomass Crop Assistance Program

- Financial assistance to producers of eligible crops in a BCAP assistance area

No Program announcements as of yet – unknown timeline

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Section 9012 – Forest Biomass for Energy

- Authorization for Forest Service to conduct comprehensive R&D program to use forest biomass for energy
- Eligibility: state and local governments, Forest Service and other Fed. Agencies, Indian tribes, land-grant colleges and universities and private entities
- Priority research projects:
 - Use of low-grade forest biomass (from forest health and hazardous fuels reduction treatments) for energy
 - Integrated production of energy from forest biomass
 - Development of new transportation fuels from forest biomass
 - Improved growth and yield of trees for RE production

No Program announcements as of yet – unknown timeline

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Section 9013 – Community Wood Energy Program

- Grants to state and local governments to develop community wood energy plans and to acquire or upgrade wood energy systems
- Funding authorized at \$5 Million per year FY 2009-2012

No Program announcements as of yet – unknown timeline

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