June 26, 2007

Current Funding Opportunities in the Fields of Energy and Environment
Compiled by Minnesota Department of Commerce, State Energy Office

USDA, DOE Announce $18 M Solicitation for Biomass R&D
The U.S. Department of Agriculture (USDA) and the U.S. Department of Energy (DOE) announced a combined total of up to $18 million will be available for research and development (R&D) of biomass-based products, biofuels, bioenergy and related processes.
The $18 million solicitation will fund projects in the development of technologies to convert cellulosic biomass into intermediaries for bio-based fuels (45 percent); product diversification (30 percent); feedstock production (20 percent); and analysis for strategic guidance (5 percent).
USDA and DOE are issuing these grant solicitations for several types of projects aimed at increasing the availability of alternative and renewable fuels. The $18 million solicitation will fund projects in the development of technologies to convert cellulosic biomass into intermediaries for bio-based fuels (45 percent); product diversification (30 percent); feedstock production (20 percent); and analysis for strategic guidance (5 percent). Maximum award amounts will not exceed $1 million. Eligible applicants include state and federal research agencies, national laboratories, private-sector groups and nonprofit organizations. Consortia of two or more groups also are encouraged to apply. The closing date for pre-applications is July 11, 2007.
Preapplications must be submitted electronically through Grants.gov at www.grants.gov. Prospective grantees whose pre-applications have been selected for further processing must submit final applications within 45 days of the notification. http://www.rurdev.usda.gov/rbs/
Federal register posting at:: http://www.rurdev.usda.gov/rbs/FY07Notice9008.pdf

United States Department of Agriculture
Biomass Research and Development Initiative Modification 1
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14378
The U.S. Department of Energy (DOE) and the U.S. Department of Agriculture (USDA) jointly solicit applications for financial assistance addressing research and development of biomass based products, bioenergy, biofuels and related processes. This Notice herein referred to as the "Solicitation" is intended to promote greater innovation and development related to biomass, and to support the Biomass Research Development Act of 2000, the Healthy Forest Restoration Act of 2003, the Energy Policy Act of 2005, and Federal policy calling for greater use of biomass-based products, feedstock production, and processing and conversion. This joint USDA/DOE solicitation for FY07 reflects the technical areas identified in the Biomass Research and Development Act of 2000 as amended by the Energy Policy Act of 2005. These technical areas will assist DOE and USDA in developing and maintaining a balanced portfolio of activities under the Federal Government's Biomass program to effectively advance cost effective utilization of biomass for the production of biobased fuels and products. DOE and USDA will have separate funding allocations and make separate awards under this Notice.
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14378

US Department of Energy National Energy Technology Laboratory
Building America Energy Efficient Housing Partnerships Grant
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14430
The DOE is seeking applications to further building science research under the Building America Program, a partnership sponsored by the U.S. Department of Energy that conducts research to find energy efficient solutions for new and existing housing that can be implemented on a production basis, with the goal of developing cost effective Net Zero Energy Homes by 2020. Zero Energy Homes combine state of the art, energy efficient construction and appliances with commercially available renewable energy systems such as solar water heating and solar electricity, and can be designed and constructed to produce as much energy as they consume annually. The primary goal is to enable industry to adopt systems engineering approaches to the design and construction of a large portion of all new housing. Due Jul 31, 2007

US Department of Energy Golden Field Office
Synthesis Gas to Liquid Fuels Validation Grant
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14441
The U.S. Department of Energy (DOE), Office of Energy Efficiency and Renewable Energy (EERE) announces a notice of availability of funds for financial assistance addressing validation of technologies employed for eliminating various contaminants from synthesis gas generated by gasification of biomass. The goal is to maintain conversion catalyst performance viability for five years. The applicant will be required to design and fabricate a fuel synthesis reactor having a throughput that can accommodate the full stream from the syngas cleanup system. The reactor design will also be required to manage heat generation during fuel synthesis. Following fabrication the reactor will be integrated with the gas cleanup system to determine cost and yield data for production of liquid fuels. The data will then be used to establish overall production costs for the targeted liquid fuel. Building upon established and demonstrated scientific principles, successful applications shall clearly describe the potential advantage(s) of the proposed process unit operations (both cleanup and synthesis) with respect to performance over commercially available technologies. Due Jul 23, 2007.

Concentrating Solar Power FOA from the U.S. DOE
On May 24, 2007, the U.S. Department of Energy's (DOE) Solar Energy Technologies Program released a Funding Opportunity Announcement (FOA) for companies to develop storage solutions, manufacturing approaches, and new system concepts for large-scale concentrating solar power (CSP) plants. This FOA is divided into three areas: (1) thermal storage; (2) trough component manufacturing; and (3) advanced CSP systems and/or components. The objective of the thermal storage topic area is to develop low cost, high temperature storage that enables trough technology to reach its 2020 cost goal. To achieve this goal, storage cost of less than $15/kWh thermal is desired with round trip efficiencies at or greater than 93%. The objectives of the trough component manufacturing topic area are to lower the cost of major components of a trough system and to establish manufacturing capability in the United States. The objective of advanced system/component development is to identify CSP concepts that can generate low cost power (under 7¢/kWh) with storage (12-17 hours) by 2020. Due Aug 09, 2007
http://www.grants.gov/search/search.do?oppId=14079&mode=VIEW

US Department of Energy Golden Field Office
Solar America Initiative (SAI) University Photovoltaic Process and Product Development Support http://www.grants.gov/search/search.do?mode=VIEW&oppId=14504
DOE is soliciting applications from **U.S. universities for projects that offer direct, near-term improvements in PV products and development processes**. Universities may choose to develop a project through a partnership with a U.S. industrial partner currently positioned to achieve the 2015 SAI goals. Applicants to this FOA should focus on near-term system development and manufacturing technologies rather than higher risk, longer term prototype and proof of concept R D. Alternatively, U.S. universities may apply without an industry partnership but must explicitly state: 1) how their project enables cost reductions and/or production increases in the U.S. PV commercial sector; and 2) how the applicant intends to quickly move this process or product into commercial production. All project applications should have sufficient focus to clearly illustrate the connection between the application and the SAI objectives. Each university application under this FOA must fall into a single Topic identified below.. The complete list of metrics for Topics 1 through 7 can be found in the National Solar Technology Roadmaps, available at: http://www1.eere.energy.gov/solar/solar_america/planning.html. Applications under all Topics must quantify the projected improvement of these metrics as a result of the proposed work and include a discussion of how this improvement translates into reduced LCOE and/or increased manufacturability. Universities with diverse PV-related expertise are encouraged to apply with multiple applications; however, each application must respond to only a single topic. Topic 1: CdTe: This Topic applies to Cadmium Telluride (CdTe) PV technologies. Topic 2: CIGS: This Topic applies to Copper Indium Gallium Diselenide (CIGS) PV technologies using all types of absorber-layer processing. Topic 3: Concentrator PV (CPV): This Topic applies to high-concentration (greater than 10x) PV systems, which may include incorporating high-efficiency III-

V or silicon cells, trackers, and reflective or refractive optics. Topic 4: Dye-Sensitized: This Topic applies to sensitized nanostructured solar cells, including both hybrid and organic/inorganic and entirely inorganic structures. Topic 5: Film-Silicon: This Topic applies to all silicon-film technologies that rely on a supporting substrate such as glass, polymer, aluminum, stainless steel, or metallurgical-grade silicon. These devices may use amorphous, nanocrystalline, fine-grained polycrystalline, or epitaxial silicon layers that are 1 to 20 micrometer thick. Topic 6: Organic PV: This Topic applies to all forms of solar cells that use organic molecules, including polymers, dendrimers, small molecules, and dyes, as absorbers or transporters, either in fully organic devices or in devices that also contain inorganic nanostructures. Topic 7: Wafer- Silicon: This Topic applies to all bulk-silicon-based PV technologies, including those based on Czochralski, multicrystalline, float-zone wafers, and melt-grown crystals that are 100 micrometer or thicker, such as ribbons, sheet, or spheral silicon. Silicon feedstock issues and low-optical-concentration approaches may also be addressed under this Topic. Topic 8: Multi-Disciplinary/Cross-cutting Devices or Processes Addressing Multiple PV Technologies: This Topic applies to all other PV related technologies, not limited to a single topic area listed above (Topics 1 through 7). These may include technology applicable to multiple absorber materials (e.g. CIGS and Organic PV) or technology that can be employed across multiple types of PV devices (e.g. anti-reflection materials). Due Sep 12, 2007

Department of Agriculture The Rural Business-Cooperative Service invites applications for grants to fund cooperatives or associations of **cooperatives to provide technical assistance to small minority producers in rural areas.** Approximately $1.1 million in FY 2007 funding is expected to be available for six awards having a project period of one year. The maximum award amount is $175,000. Applicants must be a minority cooperative or a minority association of cooperatives whose governing board and/or membership is comprised of at least 75 percent minority members. Applications are due July 30, 2007. For more information, visit: http://a257.g.akamaitech.net/7/257/2422/01jan20071800/edocket.access.gpo.gov/2007/E7-10301.htm

National Science Foundation
Grant Opportunities for Academic Liaison with Industry (GOALI)
http://www.grants.gov/search/search.do?mode=VIEW&oppId=11487
Grant Opportunities for Academic Liaison with Industry (GOALI) aims to synergize university-industry partnerships by making project funds or fellowships/traineeships available to support an eclectic mix of industry-university linkages. Special interest is focused on affording the opportunity for: * Faculty, postdoctoral fellows, and students to conduct research and gain experience in an industrial setting; * Industrial scientists and engineers to bring industry's perspective and integrative skills to academe; and * Interdisciplinary university-industry teams to conduct research projects.This solicitation targets high-risk/high-gain research with a focus on fundamental topics, new approaches to solving generic problems, development of innovative collaborative industry-university educational programs, and direct transfer of new knowledge between academe and industry. GOALI seeks to fund research that lies beyond that which industry would normally fund by themselves. Due Oct 01, 2007

US Department of Energy National Energy Technology Laboratory
Energy Efficient Building Technologies Application Centers Modification 2
http://www.grants.gov/search/search.do?mode=VIEW&oppId=13974
The Department of Energy (DOE), National Energy Technology Laboratory (NETL), on behalf of the Office of Energy Efficiency and Renewable Energy s (EERE) Building Technologies Program (BTP), is issuing this Funding Opportunity Announcement to select and fund at least two applications (depending on size of the awards) for pilot Energy Efficient Building Technologies Application Centers. The goal of this funding opportunity is to establish geographically and climatically diverse Energy Efficient Building Technologies Application Centers. This goal supports the EERE Strategic Plan to increase the energy efficiency of the Nation s buildings and the BTP Technology Validation and Market Introduction activity goal of accelerating the

widespread market adoption of energy efficient building technologies and practices. It also encourages commercial application of advanced energy methods and technologies through education and outreach to building and industry professionals, and other individuals and organizations with an interest in efficient energy use. Due Jul 03, 2007

Dept. of Defense will be soliciting proposals for a third round of funding under its **FY 2007 Small Business Innovation Research (SBIR) Program.** This program provides up to $850,000 in early-stage R&D funding directly to small technology companies (or individual entrepreneurs who form a company). Firms capable of conducting R&D in any of the solicitation's 12 critical technology areas, and commercializing their results, are eligible to apply. Phase I awards typically range from $70,000 to $100,000 for a six-month project period. Proposals may be submitted between July 19 and Sept. 19 of 2007. For more information, visit http://www.acq.osd.mil/osbp/sbir/.

EPA, together with the Department of Energy and NSF, is soliciting proposals for **research dealing with the potential implications of nanotechnology and engineered nanomaterials on human health and the environment.** This initiative is intended to encourage U.S. researchers to collaborate with European researchers. Areas of interest include (1) the fate, transport and transformation of nanomaterials and (2) bioavailability and exposure of humans and other species to nanomaterials. Approximately $12 million is expected to be available for 30 grants or cooperative agreement awards having a project period of up to three years. Awards of up to $400,000 may be made. Eligibility varies by agency but generally appears to be open. Proposals are due Aug. 22, 2007. For more information, visit:
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14026

EPA SMART GROWTH SCHOOL SITING GRANT
http://www.epa.gov/smartgrowth/grants/index.htm#opei0704
In recognition that state policies and practices surrounding school siting and renovation often act as a barrier to smart growth, the EPA is soliciting applications for its grant program Reducing the Environmental and Health Impacts of School Siting. The EPA expects to award only one $101,000 grant in the first year, with the possibility of additional funding of up to $400,000 in total over a project period of up to five years.
Proposals are due by July 2, 2007. Eligible applicants include States, public and private universities and colleges, other public or private nonprofit institutions, and individuals.

Environmental Protection Agency
Trace Gases in the Global Atmosphere: Effects on Ozone and Climate Grant
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14224
The Stratospheric Protection Division (SPD) seeks proposals from eligible entities for projects to support studies to improve the understanding of the effects of human-related emissions of atmospheric gases on ozone and climate. Due Jul 16, 2007

NSF is soliciting proposals for the Division of Earth Sciences' **Education and Human Resources Program.** This program facilitates highly innovative educational activities in the earth sciences, including efforts to increase the diversity of participants and involve leading researchers in education. Activities at all levels are supported, including: 1) graduate and postdoctoral education outside the framework of normal NSF research grants; 2) undergraduate education, including the NSF-wide Research Experiences for Undergraduates Program; and 3) education activities at the K-12 level both inside and outside the classroom. Proposals other than those for Research Experiences for Undergraduates (REU) sites may be submitted at any time; see the NSF REU website for REU site proposal deadlines. For more information, visit:
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13414

Environmental Protection Agency
CLIMATE ECONOMIC WORKSHOPS Grant
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14282
This notice announces the availability of funds and solicits proposals that advance the field of climate change economics and modeling through workshops and conferences. Due Jul 23, 2007

DOE invites applications for its **Solid-State Lighting Core Technologies Program.** This program has six areas of interest: (1) internal quantum efficiency, (2) reliability and defect physics for improved emitter lifetime and efficiency, (3) phosphors and conversion materials, (4) extraction efficiency, (5) organic light emitter research, and (6) strategies for improved light extraction of organic light-emitting diodes. Approximately $3.75 million is expected to be available for 2-5 cooperative agreement awards having a project period of 1-3 years and a cost-sharing requirement of at least 20 percent. Awards of up to $600,000 per year may be made. All types of domestic entities are eligible to apply, except other federal agencies, Federally Funded Research and Development Center contractors, and nonprofit organizations described in section 501(c)(4) of the Internal Revenue Code of 1986 that engaged in lobbying activities after December 31, 1995. Applications are due July 10, 2007. For more information, visit: https://e-center.doe.gov/iips/faopor.nsf/3b3cff0a4a1f243485256ec100490e1a/7850b8048e62c5ad852572dd005560ec?OpenDocument

US Department of Energy- National Energy Technology Laboratory
Program Area of Interest 1 - High Efficiency LEDs Grant
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14184
Under this Program Area of Interest, the DOE is seeking applications for the development of next generation, high efficacy, LED lamps to be used for general illumination. The DOE anticipates improvement to LED efficacy through advancements in thermal design, extraction efficiency, internal quantum efficiency, current injection efficiency, and/or phosphor system efficiency on production devices. Due Jul 18.

US Department of Energy - National Energy Technology Laboratory
Program Area of Interest 2 - LED Based Integrated Luminaire Grant
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14185
Under Program Area of Interest 2, the DOE is seeking applications to support the development of LED based integrated luminaires for general illumination. These luminaires must be designed to incorporate the advantages of LEDs: the small size of the individual LED allows for more flexibility of form factor and optical design, LEDs now have a higher source efficacy than most other light sources (~100lm/W), LEDs are inherently dimmable, and multiple LEDs and even multiple fixtures can be powered from a common power supply. Due Jul 18.

US Department of Energy National Energy Technology Laboratory
Program Area of Interest 3 - Manufactured Materials - Phosphors, encapsulants, and mounting materials for LEDs Grant
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14191
Under this Program Area of Interest, the DOE is seeking applications for the development of manufactured materials for use with high brightness LED lighting systems. Phosphor systems with a broad visible emission spectrum pumped by blue or near UV LED sources with improved quantum yield and optical system efficiency are sought to improve the efficiency of high color rendering phosphor converted LED products. Due Jul 18.

US Department of Energy National Energy Technology Laboratory
Program Area of Interest 4 - OLED Lighting Panel Design Grant
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14188
Under this Program Area of Interest, the DOE is seeking applications which support the development of fully integrated OLED luminaires. The proposed design must incorporate the advantages of using OLEDs for lighting: high efficacy, low brightness emission that reduces the

need for luminaire optics, excellent color rendering, and the possibility of a variety of form factors. Due Jul 18, 2007

US Department of Energy National Energy Technology Laboratory
Program Area of Interest 5 - Low cost substrates and encapsulation for OLEDs Grant
http://www.grants.gov/search/search.do?mode=VIEW&oppId=14189
Program Area of Interest 5 seeks applications for the development of low cost substrates and/or encapsulation materials suitable for use with high efficacy, low cost OLEDs. Due Jul 18, 2007

US Department of Energy- National Energy Technology Laboratory
Renewable and Distributed Systems Integration
http://www.grants.gov/search/search.do?mode=VIEW&oppId=13657
For Program Area of Interest 2, the FOA seeks applications for the research, development, and demonstration of distribution system configurations with the integration of significant amounts of distributed resources for providing power or load management during peak load periods and for other functions and services. Distributed resources may include distributed generation technologies, renewable energy generation technologies, energy storage technologies, equipment capable of utilizing waste heat, and load curtailed via typical demand response methods. Applications are encouraged to reach the goal of at least a 15 percent reduction of power that would otherwise normally be supplied by the distribution feeder circuits during peak load periods. Optionally, applications may also include research, development, and demonstration for low-cost sensors for distribution level cables, advanced monitoring for distribution automation, and consumer information gateway development. Prospective applicants are encouraged to assemble/coordinate an integrated team including an electric distribution utility or a load serving entity and other team members such as technology product providers, technology developers (universities and research organizations), state agencies, etc. New due date: Jul 25.

USDA's Rural Housing Service invites applications for FY 2006 funding to support the **Rural Community Development Initiative.** Under this initiative, grants are made to qualified private, nonprofit and public (including tribal) intermediary organizations that will provide financial and technical assistance to recipients to develop their capacity and ability to undertake projects related to housing, community facilities, or community and economic development. Funds may be used to develop programs that support micro-enterprise and sustainable development, for example. Approximately $6.3 million is available for awards, which may range from $50,000 to $300,000. Recipients must provide matching funds in an amount at least equal to their grants. Applications are due Sept. 6, 2007. For more information, visit: http://a257.g.akamaitech.net/7/257/2422/01jan20071800/edocket.access.gpo.gov/2007/E7-11081.htm

Development of Environmental Health Outcome Indicators
http://www.grants.gov/search/search.do?oppId=14375&mode=VIEW
The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research that uses existing data sources of environmental (ambient), exposure, biological and/or health-related data to develop indicators that reliably signal the impact of changes in environmental conditions, management approaches or policies on human health. Key to the development of such indicators is a clearer understanding of the sequence of events that link changes in the environment to human exposure and adverse health outcomes. Due date 9/19/07

EPA's Innovative Approaches to Particulate Matter Health, Composition, and Source Questions
These awards will likely include geospatial information. The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing to improve the ability of epidemiologic studies to link health outcomes to sources and components of air pollution. This RFA provides an opportunity to link health studies with more

advanced measurement and modeling approaches to strengthen the air quality and exposure aspects of epidemiologic studies. Bringing the full atmospheric science toolkit to bear is crucial to address difficult source attribution questions. Due Sept 11.
http://www.grants.gov/search/search.do?oppId=14295&mode=VIEW

A Novel SBIR Program Experiment by NIST
NIST's SBIR Program is asking small business owners to examine NIST patents as well as other NIST-developed technology for commercial viability, and **to identify technological gaps that impede the patent's transition to the marketplace.** NIST intends to incorporate technologies of special interest to industry in its 2008 SBIR research and development solicitation for proposals. NIST's pilot effort to secure small business participation in formulating the SBIR solicitation is aimed at increasing private-sector commercialization of innovations derived from federal research and development.The NIST SBIR Program is inviting small, American-owned companies to scan NIST patents and technologies and offer research suggestions in advance of the 2008 SBIR solicitation. In that competition, NIST will offer awardees a non-exclusive research license and the option to a non-exclusive commercialization license. The company or companies selected for the SBIR award, with access to NIST technology and personnel knowledgeable about the NIST patent, will be expected to add research to the NIST innovation and develop a commercial product based on the NIST patent. The deadline for private sector suggestions to the solicitation is Aug. 31, 2007; the formal solicitation is expected to be issued in November 2007, with proposals due in late January 2008.To search for specific technologies, go to:
http://patapsco.nist.gov/TS/220/sharedpatent/index.cfm
For a data dump, go to: http://patapsco.nist.gov/TS/220/sharedpatent/patents_keyword.cfm
To browse through NIST's *Tech Beat,* visit:
http://www.nist.gov/public_affairs/techbeat/archive.htm
If you identify NIST-held patents, or other NIST technologies that are not patent protected, and wish to explore opportunities to conduct research to further the technology to transition to the commercial market, please call Clara Asmail, NIST SBIR Program Manager, (301) 975-2339 or e-mail her at asmail@nist.gov.

National Science Foundation is soliciting proposals for the **Instrument Development for Biological Research Program.** This program seeks, in part, to develop novel instrumentation or instrumentation that has been improved by an order of magnitude or more in some aspects. Supported instruments should have a significant impact on the study of biological systems at any level. Approximately $3 million is expected to be available for 15 grants having a project period of up to four years. Eligible are U.S. academic institutions; U.S. nonprofit research organizations, including museums, research laboratories, professional societies and similar organizations in the U.S. that are directly associated with educational or research activities; and consortia of these organizations. Proposals are due Sept. 12, 2007. For more information, visit:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07568

NSF is soliciting proposals for the **Science, Technology, Engineering, and Mathematics Talent Expansion Program.** This program seeks to increase the number of students receiving associate or baccalaureate degrees in established or emerging fields within science, technology, engineering, and mathematics (STEM). Type 1 proposals provide for full implementation efforts at academic institutions and Type 2 proposals support educational research projects on associate or baccalaureate degree attainment in STEM. Approximately $26 million is expected to be available for 15-20 Type 1 awards and 1-3 Type 2 awards. Eligible for Type 1 awards are academic institutions in the U.S. and its territories - and consortia of such institutions - and nonprofit organizations that have established consortia among eligible academic institutions. Type 2 proposals are invited from any individual or organization eligible to submit proposals to the NSF. Letters of intent are due Aug. 7, 2007; full proposals are due Sept. 18, 2007. For more information, visit: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07570

MINNESOTA STATE SOLAR ELECTRIC REBATE PROGRAM

http://www.nextstep.state.mn.us/res_detail.cfm?id=749
This program has been replenished, with $500,000 available beginning on July 1, 2007, and another $500,000 to be made available on July 1, 2008.See background information at the web page above, and for the most current information contact the Department of Commerce's Stacy Miller at 651/282-5091 or email her at stacy.miller@state.mn.us

MINNESOTA ENERGY LOANS
http://www.thenec.org/energy_financing/index.php?strWebAction=article_detail&intArticleID=222
For those considering home improvements, why not include features that will make your home run more efficiently - requiring less energy and saving money over time? The not-for- profit Neighborhood Energy Connection in St. Paul is offering the Minnesota Energy Loan, a low-interest financing tool for energy improvements plus general home remodeling. Available statewide!

WILL OPEN IN THE FUTURE:
$10M RFP: Later this summer Google.org will publish a formal request for proposals (RFP) on our website, focused on investment opportunities in companies and projects **accelerating the commercialization of alternative transportation that reduces vehicle fossil fuel use and climate emissions.** We are looking to invest approximately $10 million in technologies and companies featuring plug in hybrids, fully electric vehicles, vehicle-to-grid capabilities, batteries and other storage technologies, and the application of renewable energy and fuels to green vehicles. We believe that our investments in green vehicle technology commercialization, coupled with additional R&D and policy grants, will help accelerate progress in addressing the climate and energy challenges of today's transportation sector. For more information, visit www.google.org.

Matching Grants for Conservation Projects
National Fish and Wildlife Foundation: Keystone Initiatives Grants Program
The mission of the National Fish and Wildlife Foundation is to sustain, restore, and enhance the nations fish, wildlife, plants, and habitats. Through its Keystone Initiatives Grants Program, the Foundation awards matching grants in the categories of bird conservation, fish conservation, marine and coastal conservation, and wildlife and habitat conservation. Prospective applicants are strongly encouraged to contact Foundation staff prior to submitting a pre-proposal to discuss the applicability of a project to the Foundations priorities. The next pre-proposal deadline is September 1, 2007. Visit the website listed above for more information.

K-12 Math and Science Education Funded
Toshiba America Foundation
The mission of the Toshiba America Foundation is to contribute to the quality of science and mathematics education in U.S. communities. The Foundation invests in projects designed by classroom teachers to improve science and mathematics education for students in grades K-12. Priority is given to projects planned and led by individual teachers or teams of teachers for their own classrooms. The application guidelines vary depending on the targeted grade level. The next proposal deadline for large grants of over $5,000 for teachers in grades 7-12 is August 1, 2007. Requests for small grants of up to $5,000 targeting grades 7-12 may be submitted at any time. The application deadline for projects focusing on grades K-6 is October 1, 2007. Visit the website listed above for more information.

Grants Target Company Communities
PepsiCo Foundation
The PepsiCo Foundation supports nonprofit organizations throughout the United States in communities where company employees live and work. While the Foundation generally prefers to invest in local U.S. communities where PepsiCo has a presence, international programs are also funded. The Foundation's funding priorities include health and wellness, diversity and inclusion, environment, and thought leadership. Requests $100,000 and under are accepted throughout the year on a rolling basis. Major grant requests of more than $100,000 must be submitted by August

17, 2007. Visit the website listed above to take the eligibility quiz and sign up for the online application process.