



INDIANA

KENTUCKY

OHIO

TENNESSEE

VIRGINIA

WEST VIRGINIA

Clean Energy Transition Policy Inventory

CURRENT STATE AND FEDERAL POLICIES AND PROGRAMS SUPPORTING
BUSINESSES AND COMMUNITIES AIMING TO DEVELOP CLEAN ENERGY RESOURCES

AUGUST
2013

BLUEGREEN
ALLIANCE
FOUNDATION

Introduction

This tool was developed to provide local economic developers, policy makers, and community organizers with accessible information on both state and federal policies and programs that can support their businesses and communities as renewable energy sources continue to expand as part of each focus state's energy portfolio. This report contains detailed information on each state or federal incentive, including the name of the federal or state incentive, a brief summary, the type of funding, the government agency that operates the incentive, the website for the program/policy, and the information source. The full online tool also includes a detailed description of the policy or program, detailed information on who is eligible for the program, and contact information.

TABLE OF CONTENTS

2	Introduction
5	Federal Policies: Where to Start
9	Indiana: Where to Start
13	Kentucky: Where to Start
17	Ohio: Where to Start
21	Tennessee: Where to Start
25	Virginia: Where to Start
29	West Virginia: Where to Start
33	Conclusion

To make this information easier to access for economic developers and business owners, we have included a “where to start” page. Whether you are an entrepreneur looking to start your first business or an existing business looking to develop your workforce or make your facilities more efficient, simply locate the section that applies to you and you will be directed to the policies and programs that will be most helpful in your endeavor. In the online tool, you can navigate the tool by clicking on a policy or program and the link will take you to the information about the incentive. Whenever possible, the policies were prioritized within each category, with the most generous and/or commonly used incentives listed first. The “where to start” page also contains links to additional state and federal resources that provide low- or no-cost business consultation services, research and technology databases, and much more. Note that most or all of this inventory content was obtained from the sources cited and more information may be found by accessing the documented source directly.

THE SIX STATES — Indiana, Ohio, Kentucky, Tennessee, Virginia, and West Virginia — were selected in this tool because of significant reliance on coal-fired electricity generation combined with predicted power plant closures.

A report by Downstream Strategies in 2010 found that coal production is on the decline in Central Appalachia¹ for a variety of reasons, and that investment in renewable energy and energy efficiency “offer(s) immediate and significant opportunities to begin diversifying the economy” (McIlmoil and Hansen 2010, 3). An updated analysis on potential coal plant retirements by The Brattle Group in October 2012 projected retirement levels 25 gigawatts higher than their 2010 estimate “due mainly to lower expected natural gas prices” (Celebi and Russell 2012, 1), which affect the entire country.

Each of these states has an opportunity to transition to a cleaner energy generation mix and take advantage of related economic development opportunities as they face the upcoming challenge of finding ways to meet their energy needs. For more information on how the states were chosen, see *Appendix A: Methodology* in the online version of the tool.

Note that the Inventory is designed to catalogue strategic community-scale incentives for businesses and other organizations, and it may not include incentives at the individual consumer level such as residential tax credits for solar. Also, because this resource is limited to state and federal incentives, some more local incentives are not

included. For example, individual utilities may offer options such as energy efficiency programs, Renewable Energy Credit (RECs) purchase programs, net metering, or other support for renewable energy. Similarly, while energy efficiency is an important component of any energy strategy, this tool focuses on renewable energy. Often energy efficiency is included or paired with renewables, and it is likely that our tool captured these incentives, whereas incentives limited to energy efficiency only may not have been captured. Some of the additional incentives that were not included in this tool can be found directly in the sources cited.

We have also included a *Lessons Learned* section in the online version of this tool highlighting valuable information gained while compiling this inventory to aid policy makers and community organizers in developing more efficient and effective renewable incentive programs.

Please note that the inclusion of policies and programs in this inventory does not signify that the authors endorse the policy or program; rather the policies listed here all contain some useful incentives that will help these states make a transition to cleaner energy generation.

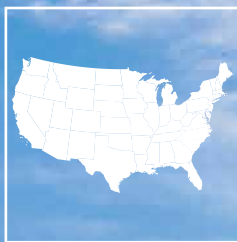
¹ The Energy Information Administration (EIA) defines Central Appalachia as the coal-producing counties in southern West Virginia, eastern Kentucky, southwest Virginia, and eastern Tennessee (McIlmoil and Hansen 2010, 6).

ABOUT BLUEGREEN ALLIANCE FOUNDATION

The BlueGreen Alliance Foundation is a non-profit, 501(c)(3) organization that conducts research and educates the public and media about solutions to environmental challenges that create economic opportunities for the American people. For more information, visit www.bgafoundation.org. The BlueGreen Alliance Foundation works with the BlueGreen Alliance — a national partnership of labor unions and environmental organizations dedicated to expanding the number and quality of jobs in the clean economy — to achieve its mission. BGAF and its Clean Energy Manufacturing Center also provide analytic and economic development advice for units of government and private companies on a range of subjects. For more information, please contact Linda Nielsen, CEMC Program Manager at 612-466-4506. For more information about the BlueGreen Alliance, contact us on the web at www.bluegreenalliance.org, via phone at 612-466-4479, or via mail at BlueGreen Alliance, 2828 University Ave SE, STE 200, Minneapolis MN 55414.

ABOUT THE ROCKEFELLER FOUNDATION SEGUE INITIATIVE

This project was funded through a grant from the Rockefeller Foundation as part of the organization's Sustainable Employment in a Green U.S. Economy (SEGUE) initiative. This tool facilitates green job growth by collecting and organizing federal and state incentive programs to allow businesses, entrepreneurs, and economic developers to take full advantage of the available incentives. The tool was designed to harness the economic benefits of renewable energy in the states that rely significantly on coal fired electricity generation and predict power plant closures in the near future. In most states, renewable energy incentive programs have been passed in disparate pieces, which often results in a confusing, unrelated group of policies that can be difficult to access. By assembling and organizing the policies within each state, this tool makes it much easier for businesses, entrepreneurs, and economic developers to take advantage of the available policies in the most efficient and effective way possible. The tool also includes lessons learned for policymakers to optimize their renewable energy incentive programs moving forward. This will expand economic development, maximize job growth, and lead to stronger, more vibrant communities.



Federal: *Where to Start*

I WANT TO . . .

START OR EXPAND MY BUSINESS:

FEDERAL POLICIES: Economic Adjustment Assistance; Modified Accelerated Cost-Recovery System; Industrial Development Revenue Bonds; Economic Development Administration Planning Program and Local Technical Assistance Program

ADDITIONAL RESOURCES: NIST Manufacturing Extension Partnership

PRODUCE RENEWABLE ENERGY:

FEDERAL POLICIES: Renewable Electricity Production Tax Credit; Industrial Development Revenue Bonds; Rural Energy for America Program; Department of Energy Loan Programs;

ADDITIONAL RESOURCES: NIST Manufacturing Extension Partnership

INCREASE MY FACILITIES' ENERGY EFFICIENCY:

FEDERAL POLICIES: Renewable Energy for America Program; Energy Efficient Commercial Buildings Tax Credit; Industrial Development Revenue Bonds **ADDITIONAL RESOURCES:** NIST Manufacturing Extension Partnership

DEVELOP OR RETRAIN MY WORKFORCE:

FEDERAL PROGRAMS: Federal Workforce Development Programs

EXPAND MY RESEARCH AND DEVELOPMENT:

STATE POLICIES: Strategic Research and Development Credit; Manufacturing and Research and Development Sales Tax Exemption **FEDERAL POLICIES:** Energy Efficiency and Renewable Energy Grants **ADDITIONAL RESOURCES:** National Institute of Standards and Technology, NIST Manufacturing Extension Partnership

Federal State Policies

Economic Adjustment Assistance

SUMMARY: This grant program provides funding to assist distressed communities by stimulating private investment to increase economic competitiveness.

TYPE OF FUNDING: Grant

STATE(S) ELIGIBLE: All

GOVERNMENT AGENCY: Department of Commerce, Economic Development Administration

INFO/WEBSITE: <https://www.cfda.gov/?s=program&mode=form&tab=step1&id=b6288a16987f7dcbff7a5a23d12d99f>

INFORMATION SOURCE: International Economic Development Council, “Jobs in the Making: Economic Development Strategies to Grow Manufacturing”

Rural Energy for America Program (REAP)

SUMMARY: This program provides funding to assist agricultural producers and rural small business in purchasing, installing and constructing renewable energy systems, energy efficiency projects, and other related initiatives.

TYPE OF FUNDING: Loan

STATE(S) ELIGIBLE: All

GOVERNMENT AGENCY: Department of Agriculture

INFO/WEBSITE: http://www.rurdev.usda.gov/BCP_ReapResEei.html

INFORMATION SOURCE: United States Department of Agriculture, Rural Development

Industrial Development Revenue Bonds (IDRB)

SUMMARY: These bonds may be used to finance equipment and real estate, and they are often used to build new or expand/renovate existing manufacturing facilities. The bonds are exempt from federal taxes, allowing projects to be financed at lower rates than conventional bonds.

TYPE OF FUNDING: Bond

STATE(S) ELIGIBLE: All; look for details in individual state entries

GOVERNMENT AGENCY: Internal Revenue Service

INFO/WEBSITE: <http://www.irs.gov/>

INFORMATION SOURCE: International Economic Development Council, “Jobs in the Making: Economic Development Strategies to Grow Manufacturing”

Modified Accelerated Cost-Recovery System (MACRS)

SUMMARY: Under this program, businesses may recover investment in property through depreciation deductions, with class lives for property established the program. Several renewable energy technologies qualify.

TYPE OF FUNDING: Depreciation Deductions

STATE(S) ELIGIBLE: All

GOVERNMENT AGENCY: Department of Treasury

INFO/WEBSITE: <http://selectusacommerce.gov/investmentincentives/modified-accelerated-cost-recovery-system-macrs-bonus-depreciation-2008-2012>

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Energy Efficiency and Renewable Energy (EERE) Grants

SUMMARY: This program offers assistance — through funding, property, or services — for renewable energy and energy efficiency research and development.

TYPE OF FUNDING: Awards of money, property or services

STATE(S) ELIGIBLE: All

GOVERNMENT AGENCY: Department of Energy

INFO/WEBSITE: http://www1.eere.energy.gov/financing/types_assistance.html

INFORMATION SOURCE: United States Department of Energy, Energy Efficiency and Renewable Energy

Energy Efficient Commercial Buildings Tax Deductions

SUMMARY: These tax deductions apply to commercial buildings that are constructed to be energy efficient.

TYPE OF FUNDING: Tax Deductions

STATE(S) ELIGIBLE: All

GOVERNMENT AGENCY: Internal Revenue Service

INFO/WEBSITE: http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=US40F&re=1&ee=1

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Renewable Electricity Production Tax Credit (PTC)

SUMMARY: This tax credit applies to electricity generated by qualified renewable sources, and it is available for 10 years after a facility is placed in service.

TYPE OF FUNDING: Tax Credit

STATE(S) ELIGIBLE: All

GOVERNMENT AGENCY: Internal Revenue Service

INFO/WEBSITE: http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=US13F&re=1&ee=1

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Economic Development Administration (EDA) Planning Program and Local Technical Assistance Program

SUMMARY: Under the Planning program, the Economic Development Administration assists eligible recipients in creating regional economic development plans designed to stimulate and guide the economic development efforts of a community or region.

TYPE OF FUNDING: Grant

STATE(S) ELIGIBLE: All

GOVERNMENT AGENCY: Economic Development Administration

INFORMATION SOURCE: <http://www.eda.gov/ffo.htm> (redirects to grants.gov hosted information site)

U.S. Department of Energy Loan Programs

SUMMARY: This Program guarantees loans to eligible clean energy projects and provides direct loans to manufacturers and advanced technology vehicles and components to create jobs, reduce dependency on foreign oil, improve the environment, and enhance U.S. competitiveness in the global economy.

TYPE OF FUNDING: Loan

STATE(S) ELIGIBLE: All

GOVERNMENT AGENCY: Department of Energy

INFO/WEBSITE: https://lpo.energy.gov/?page_id=17

INFORMATION SOURCE: United States Department of Energy, Loans Program Office

ADDITIONAL FEDERAL RESOURCES

Manufacturing Extension Partnership

The National Institute of Standards and Technology's (NIST) Hollings Manufacturing Extension Partnership (MEP) works with small and mid-sized U.S. manufacturers to help them create and retain jobs, increase profits, and save time and money. The nationwide network provides a variety of services, ranging from innovation strategies to process improvements to green manufacturing. MEP also works with partners at the state and federal levels on programs that put manufacturers in position to develop new customers, expand into new markets and create new products.

MEP's field staff has over 1,400 technical experts — located in every state — serving as trusted business advisors, focused on solving manufacturers' challenges and identifying opportunities for growth. As a program of the U.S. Department of Commerce, MEP offers its clients a wealth of unique and effective resources centered on five critical areas: technology acceleration, supplier development, sustainability, workforce and continuous improvement.

For more information, go to: <http://www.nist.gov/mep/>

Federal Workforce Development Programs

The National Conference of State Legislatures (NCSL) has identified 12 different federal agencies that provide funds for workforce development, including the following four major programs:

- The Workforce Investment Act
- Temporary Assistance for Needy Families
- The Wagner-Peyser Act
- The Trade Adjustment Act

For more information on these and other federal workforce development programs, go to the NCSL's website: <http://www.ncsl.org/issues-research/labor/federal-workforce-development-programs.aspx>

National Institute of Standards and Technology

The National Institute of Standards and Technology (NIST) provides funding for numerous areas of industrial and academic research, including research and development proposals from small businesses and targeted grants to encourage research in specific fields.

For more information on the funding opportunities available, go to NIST's website: <http://www.nist.gov/director/ocfo/grants/grants.cfm>

U.S. Economic Development Administration

Housed under the Department of Commerce, the U.S. Economic Development Administration (EDA) aims to establish a foundation for sustainable job growth and the building of durable regional economies throughout the United States. This foundation builds upon two key economic drivers - innovation and regional collaboration. U.S. EDA offers several funding opportunities beyond what is listed in this tool, many of which can be used to help local and state governments, organizations, companies, partnerships, and others for sustainable economic development including clean energy projects.

According to the website, all projects are evaluated to determine if they advance global competitiveness, create jobs, leverage public and private resources, can demonstrate readiness and ability to use funds quickly and effectively, and link to specific and measureable outcomes.

For more information about funding opportunities, visit <http://www.eda.gov/ffo.htm>.



Indiana: *Where to Start*

I WANT TO . . .

START OR EXPAND MY BUSINESS:

STATE POLICIES: Large Bond Program; Property Tax Abatement; Hoosier Business Investment Tax Credit; Economic Development For A Growing Economy Tax Credit; Industrial Development Grant Funds; Volume Cap Program; Small Bond Program
FEDERAL POLICIES: Economic Adjustment Assistance; Modified Accelerated Cost-Recovery System; Industrial Development Revenue Bonds; Economic Development Administration Planning Program and Local Technical Assistance Program
ADDITIONAL RESOURCES: Indiana MEP; Indiana Small Business Development Center

PRODUCE RENEWABLE ENERGY:

STATE POLICIES: Renewable Energy Systems and Energy Efficiency Program; Sales and Use Tax Exemption for Electrical Generating Equipment; Small Bond Program
FEDERAL POLICIES: Renewable Electricity Production Tax Credit; Industrial Development Revenue bonds; Rural Energy for America Program; Department of Energy Loan
ADDITIONAL RESOURCES: Indiana MEP; Indiana Small Business Development Center

INCREASE MY FACILITIES' ENERGY EFFICIENCY:

STATE POLICIES: Renewable Energy Systems and Energy Efficiency Program; Small Bond Program
FEDERAL POLICIES: Renewable Energy for America Program; Energy Efficient Commercial Buildings Tax Credit; Industrial Development Revenue Bonds
ADDITIONAL RESOURCES: Indiana MEP; Indiana Small Business Development Center

DEVELOP OR RETRAIN MY WORKFORCE:

STATE POLICIES: Skills Enhancement Fund; Workforce Acceleration Grant
FEDERAL PROGRAMS: Federal Workforce Development Programs

EXPAND MY RESEARCH AND DEVELOPMENT:

STATE POLICIES: Research and Development Tax Credit; Research and Development Equipment Sales Tax Exemption
FEDERAL POLICIES: Energy Efficiency and Renewable Energy Grants
ADDITIONAL RESOURCES: National Institute of Standards and Technology, Indiana Database of University Research Expertise

Indiana State Policies

Hoosier Business Investment Tax Credit

SUMMARY: This program encourages capital investment through credit against a company's tax liability.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Indiana Economic Development Corporation

INFO/WEBSITE: <http://iedc.in.gov/tax-credits-exemptions/hoosier-business-investment-tax-credit>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Volume Cap Program

SUMMARY: This program provides certain types of private companies or developers with tax-exempt financing.

TYPE OF FUNDING: Bonds, tax exemption

GOVERNMENT AGENCY: Indiana Finance Authority

INFO/WEBSITE: <http://www.in.gov/ifa/2341.htm>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Economic Development for a Growing Economy (EDGE) Tax Credit/Headquarters Relocation Tax Credit

SUMMARY: This program provides refundable tax credits to companies that create jobs and contribute to growing the state's economy.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Indiana Economic Development Corporation

INFO/WEBSITE: <http://iedc.in.gov/tax-credits-exemptions/economic-development-for-a-growing-economy-tax-credit>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Large Bond Program

SUMMARY: This program issues bonds to private companies to finance qualified manufacturing facilities and equipment, pollution control facilities and other projects. Manufacturing companies can use tax-exempt bonds to finance equipment purchases, land acquisition and construction.

GOVERNMENT AGENCY: Indiana Finance Authority

INFO/WEBSITE: <http://www.in.gov/ifa/2340.htm>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Industrial Development Grant Funds (IDGB)

SUMMARY: This grant program provides funding to local governments for off-site infrastructure projects that expand an existing company or the location of a new facility. Projects must be related to economic development and have the potential for job creation.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Indiana Economic Development Corporation

INFO/WEBSITE: <http://iedc.in.gov/programs-initiatives/industrial-development-grant-fund>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Small Bond Program

SUMMARY: This program provides financing to companies and certain nonprofits with needs less than \$3 million.

TYPE OF FUNDING: Bonds, tax exemption

GOVERNMENT AGENCY: Indiana Finance Authority

INFO/WEBSITE: <http://www.indypartnership.com/media/docs/Property%20Tax%20Abatement.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Skills Enhancement Fund (SEF)

SUMMARY: This grant provides funding for workforce training of current or new employees over a two-year period. Funding covers training expenses for travel and material and supply costs.

TYPE OF FUNDING: Grant

INFO/WEBSITE: <http://iedc.in.gov/programs-initiatives/skills-enhancement-fund>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Property Tax Abatement

SUMMARY: This opportunity offers real and personal property tax abatement to new and expanding businesses for manufacturing and R&D equipment.

TYPE OF FUNDING: Tax Abatement

GOVERNMENT AGENCY: Indiana Economic Development Corporation

INFO/WEBSITE: http://www.in.gov/indot/div/projects/i69planning-toolbox/_pdf/Tax%20Abatement.pdf

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Sales and Use Tax Exemption for Electrical Generating Equipment

SUMMARY: This opportunity provides exemptions from the state gross retail tax for transactions involving the manufacturing or use of machinery, tools, and equipment during the production of renewable electricity.

TYPE OF FUNDING: Sales Tax Incentive

GOVERNMENT AGENCY: Indiana Department of Revenue

INFO/WEBSITE: http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=IN82F&re=0&ee=0

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Research and Development (R&D) Tax Credit

SUMMARY: This program provides tax credit for businesses that increase their R&D over the prior three-year base.

TYPE OF FUNDING: Tax credit

GOVERNMENT AGENCY: Indiana Economic Development Corporation

INFO/WEBSITE: <http://www.stateincentives.org/incentives.asp?action=detail&id=2927>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Renewable Energy Systems and Energy Efficiency Program

SUMMARY: This program provides grants and loan guarantees to farmers, ranchers and rural small businesses, to help fund Renewable Energy System projects or Energy Efficiency Improvement projects.

TYPE OF FUNDING: Grants, Loan Guarantees

GOVERNMENT AGENCY: Indiana Office of Energy Development

INFO/WEBSITE: <http://www.in.gov/oed/2391.htm>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Research and Development Sales Tax Exemption

SUMMARY: Taxpayers may be refunded sales tax paid from purchases of qualified research and development equipment with the Research and Development (R&D) Activities Sales Tax Exemption.

TYPE OF FUNDING: Tax exemption

GOVERNMENT AGENCY: Indiana Economic Development Corporation

INFO/WEBSITE: <http://iedc.in.gov/tax-credits-exemptions/rd-tax-credit>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Workforce Acceleration Grant

SUMMARY: This program provides tuition grants for low-wage workers to take specific career/vocational training.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Indiana Department of Workforce Development

INFO/WEBSITE: http://www.in.gov/dwd/2668.htm#brochures/WAG_HR.pdf

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

ADDITIONAL INDIANA RESOURCES

Indiana's Manufacturing Extension Partnership

The Indiana Manufacturing Extension Partnership (Indiana MEP) is a non-profit organization with offices throughout Indiana. Indiana MEP offers affordable consultation services that help manufacturers increase profitability.

For more information on Indiana MEP, contact David Snow (800.877.5182, tapmep@purdue.edu) or go to their website at: <http://www.indianamep.org/>

The Indiana Small Business Development Center

The Indiana Small Business Development Center (ISBDC) offers free and low-cost information, management counseling, and educational services to Indiana small business owners and potential entrepreneurs. The ISBDC helps Indiana businesses grow and create new jobs within the state.

For more information, go to ISBDC's website: <http://www.isbdc.org/>

Indiana Database of University Research Expertise

The Indiana Database of University Research Expertise (INDURE) is an easy-to-access database of expertise, intellectual property, technologies, and research projects at Indiana's leading universities, including Ball State, Indiana University, the University of Notre Dame and Purdue. INDURE helps entrepreneurial businesses and investors identify and connect with intellectual property and research projects that are available for further business development.

To access the database, or to learn more about INDURE, visit its website: <https://www.indure.org/>

For a comprehensive list of policies and programs offered in Indiana, see the following websites:

- The Database of State Incentives for Renewables & Efficiency:
<http://dsireusa.org/incentives/index.cfm?re=0&ee=0&spv=0&st=0&srp=0&state=IN>
- The State Business Finance and Incentives Resource Center (membership required):
<http://www.stateincentives.org/incentives.asp?action=basic&s=IN>



Kentucky: *Where to Start*

I WANT TO . . .

START OR EXPAND MY BUSINESS:

STATE POLICIES: Kentucky Rural Economic Development Act; Kentucky Industrial Development Act; Kentucky Economic Opportunity Zone Program; Direct Loan Program; Kentucky Enterprise Zone Program; Industrial Revenue Bonds; Local Government Economic Development Fund; Kentucky Enterprise Initiative Act; Linked Deposit Program **FEDERAL POLICIES:** Economic Adjustment Assistance; Modified Accelerated Cost-Recovery System; Industrial Development Revenue Bonds; Economic Development Administration Planning Program and Local Technical Assistance Program **ADDITIONAL RESOURCES:** Kentucky Manufacturing Assistance Center; The Kentucky Business Incentives Report; Small Business Resources

PRODUCE RENEWABLE ENERGY:

STATE POLICIES: Renewable Standard Offer; High-Tech Funding; Incentives for Energy Independence Act; Local Government Economic Development Fund; Industrial Revenue Bonds; Linked Deposit Program **FEDERAL POLICIES:** Renewable Electricity Production Tax Credit; Industrial Development Revenue Bonds; Rural Energy for America Program; Department of Energy Loan Programs **ADDITIONAL RESOURCES:** Kentucky Manufacturing Assistance Center; The Kentucky Business Incentives Report; Small Business Resources

INCREASE MY FACILITIES' ENERGY EFFICIENCY:

STATE POLICIES: Local Government Economic Development Fund; Kentucky Industrial Development Act; Industrial Revenue Bonds **FEDERAL POLICIES:** Renewable Energy for America Program; Energy Efficient Commercial Buildings Tax Credit; Industrial Development Revenue Bonds **ADDITIONAL RESOURCES:** The Kentucky Business Incentives Report

DEVELOP OR RETRAIN MY WORKFORCE:

STATE POLICIES: Competitive Grant-In-Aid Program; Skills Training Investment Tax Credit **FEDERAL PROGRAMS:** Federal Workforce Development Programs. **ADDITIONAL RESOURCES:** The Kentucky Business Incentives Report

EXPAND MY RESEARCH AND DEVELOPMENT:

STATE POLICIES: Kentucky Enterprise Initiative Act; High-Tech Funding **FEDERAL POLICIES:** Energy Efficiency and Renewable Energy Grants **ADDITIONAL RESOURCES:** National Institute of Standards and Technology, Kentucky Manufacturing Assistance Center

Kentucky State Policies

Competitive Grant-In-Aid Program (GIA)

SUMMARY: This grant program provides funding to companies/consortia for company specific training activities. Manufacturing, non-manufacturing, headquarter operations, and public or non-profit hospitals are eligible for this program.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Bluegrass State Skills Corporation

INFO/WEBSITE: <http://www.northernkentuckyusa.com/uploads/BSSC.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Kentucky Economic Opportunity Zone Program (KEOZ)

SUMMARY: This opportunity provides an income tax credit up to 100 percent of income tax liability on the income generated from a project that is part of the Economic Opportunity Zone Program. Eligible companies include manufacturing or service/technology.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Kentucky Economic Development Finance Authority (KEDFA)

INFO/WEBSITE: <http://thinkkentucky.com/kyedc/pdfs/keoz.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Skills Training Investment Tax Credit (STIC)

SUMMARY: This economic development initiative provides funding for companies to develop a skilled workforce.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Bluegrass State Skills Corporation

INFO/WEBSITE: http://www.thinkkentucky.com/bssc/BSSC_Docs/sticfactsheet.pdf

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Direct Loan Program

SUMMARY: This loan program provides funding of \$25,000 to \$500,000 to allow businesses to obtain long-term financing needed to grow. Eligible companies are in agribusiness, tourism, industrial ventures, or service industry.

TYPE OF FUNDING: Loan

GOVERNMENT AGENCY: Kentucky Cabinet for Economic Development

INFO/WEBSITE: <http://thinkkentucky.com/kyedc/pdfs/kedfadcp.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Kentucky Rural Economic Development Act (KREDA)

SUMMARY: This program provides state income tax credits and job assessment fees for up to 100 percent of capital investment on land, buildings, site development, building fixtures and equipment in new and expanding manufacturing projects.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Kentucky Economic Development Finance Authority

INFO/WEBSITE: <http://thinkkentucky.com/kyedc/pdfs/kreda.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Kentucky Enterprise Zone Program (KEZA)

SUMMARY: This program encourages new or renewed development to targeted regions in Kentucky through special tax incentives and eased regulations. Eligible businesses must have 50 percent of their employees performing their services within an enterprise zone.

TYPE OF FUNDING: Tax credit, tax exemption

GOVERNMENT AGENCY: Kentucky Cabinet for Economic Development

INFO/WEBSITE: <http://thinkkentucky.com/kyedc/pdfs/keza.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Kentucky Industrial Development Act (KIDA)

SUMMARY: This program provides credit against the state income tax from a project, and it may include a job assessment fee of up to five percent of gross wages of each new job created by the project for new and expanding service and technology related projects.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Kentucky Economic Development Finance Authority (KEDFA)

INFO/WEBSITE: <http://thinkkentucky.com/kyedc/pdfs/kida.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Industrial Revenue Bonds (IRB)

SUMMARY: Industrial Revenue Bonds (IRB) may be used for diverse needs in manufacturing in order to finance project costs such as engineering, site preparation, land, buildings and equipment, transportation and communication, health care facilities and mineral extraction and processing.

TYPE OF FUNDING: Bonds

GOVERNMENT AGENCY: Kentucky Cabinet for Economic Development

INFO/WEBSITE: http://thinkkentucky.com/kyedc/pdfs/IRB_2005.pdf

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Linked Deposit Program

SUMMARY: This program provides funding to small-businesses that may be used for working capital, interest costs, capital expenses, or debt refinancing.

TYPE OF FUNDING: Loan

GOVERNMENT AGENCY: Kentucky Cabinet for Economic Development

INFO/WEBSITE: <http://www.thinkkentucky.com/kyedc/linkdeposit.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Kentucky Enterprise Initiative Act (KEIA)

SUMMARY: Kentucky Enterprise Initiative Act provides incentive funding for any business entity primarily engaged in manufacturing or service or technology activities, or to companies operating or developing a tourism attraction in Kentucky. Eligible companies must make a minimum investment in economic development of \$500,000.

TYPE OF FUNDING: Tax refund or rebate

GOVERNMENT AGENCY: Kentucky Economic Development Finance Authority (KEDFA)

INFO/WEBSITE: <http://thinkkentucky.com/kyedc/pdfs/keia.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Local Government Economic Development Fund (LGEDF)

SUMMARY: This program assists coal counties in diversifying local economies with an emphasis placed on industrial development projects that produce the most and best employment opportunities. Funds may be used for the acquisition of real estate; the construction and installation of facility improvements; and the training of a company's workforce.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Governor's Office for Local Development

INFO/WEBSITE: <http://www.thinkkentucky.com/kyedc/pdfs/lgedf.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Incentives for Energy Independence Act

SUMMARY: Kentucky Economic Development Finance Authority will cover up to 50 percent of the capital investment for construction which contributes to energy independence.

GOVERNMENT AGENCY: Kentucky Cabinet for Economic Development

INFO/WEBSITE: <http://www.thinkkentucky.com/>

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

High-Tech Funding

SUMMARY: This program provides funding to create high-tech job opportunities in clusters of technological innovation throughout Kentucky through two funding pools: high-tech construction and high-tech investment.

TYPE OF FUNDING: Equity Investment, Grant, Loan

GOVERNMENT AGENCY: Kentucky Cabinet for Economic Development

INFO/WEBSITE: <http://thinkkentucky.com/DCI/DCIFunding.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Renewable Standard Offer

SUMMARY: This program provides incentives for mid-sized renewable energy generators to enter into long-term price contracts.

TYPE OF FUNDING: Performance-Based Incentive

GOVERNMENT AGENCY: Tennessee Valley Authority

INFO/WEBSITE: <http://www.tva.com/renewablestandardoffer/>

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Property Tax Exemptions

SUMMARY: Property tax exemptions are available to encourage businesses to locate or remain in Kentucky.

TYPE OF FUNDING: Tax Exemptions

GOVERNMENT AGENCY: Kentucky Department of Revenue

INFO/WEBSITE: <http://www.thinkkentucky.com/kyedc/pdfs/kybusinc.pdf>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

ADDITIONAL KENTUCKY RESOURCES

Kentucky Manufacturing Assistance Center

The Kentucky Manufacturing Assistance Center (KMAC) — Kentucky's local Manufacturing Extension Partnership center — offers affordable consultation services that help manufacturers increase profitability.

For more information on KMAC, contact Phillip Wadsworth: 440.925.0712; phillip.wadsworth@nist.gov

The Kentucky Business Incentives Report

The Kentucky Business Incentives report from the Kentucky Cabinet for Economic Development is a valuable resource for all Kentucky businesses. It includes an extensive list of tax incentives, along with the order in which incentives must be taken when businesses qualify for more than one.

The report is available online at: <http://www.thinkkentucky.com/kyedc/pdfs/kybusinc.pdf>

Small Business Resources

Kentucky's SMALL BUSINESS CONNECTION — a joint effort of the Kentucky Cabinet for Economic Development and the Kentucky Finance and Administration Cabinet — provides a way for small businesses to link with buyers from government agencies and large businesses. The tool can be accessed at: <https://secure.kentucky.gov/sbc/default.aspx>

The state also has a number of programs specifically designed to aid small businesses. A list of these programs is available at: <http://thinkkentucky.com/KYEDC/kybizince.aspx#SmallBusiness>

For a comprehensive list of policies and programs offered in Kentucky, see the following websites:

- The Database of State Incentives for Renewables & Efficiency:
<http://dsireusa.org/incentives/index.cfm?re=0&ee=0&spv=0&st=0&srp=0&state=KY>
- The State Business Finance and Incentives Resource Center (membership required):
<http://www.stateincentives.org/incentives.asp?action=basic&s=KY>



Ohio: *Where to Start*

I WANT TO . . .

START OR EXPAND MY BUSINESS:

STATE POLICIES: 166 Direct Loan; Regional 166 Direct Loan Program; Ohio Enterprise Bond Fund; Minority Direct Loan; Job Creation Tax Credit **FEDERAL POLICIES:** Economic Adjustment Assistance; Modified Accelerated Cost-Recovery System; Industrial Development Revenue Bonds; Economic Development Administration Planning Program and Local Technical Assistance Program **ADDITIONAL RESOURCES:** The Ohio Manufacturing Extension Partnership; Ohio's 1st Stop Business Connection

PRODUCE RENEWABLE ENERGY:

STATE POLICIES: Energy Loan Fund; Energy Conversion Facilities Sales Tax Exemption; Ohio Enterprise Bond Fund **FEDERAL POLICIES:** Renewable Electricity Production Tax Credit; Industrial Development Revenue Bonds; Rural Energy for America Program; Department of Energy Loan **ADDITIONAL RESOURCES:** The Ohio Manufacturing Extension Partnership; Ohio Energy Resources Division; AEP REC Purchasing Program

INCREASE MY FACILITIES' ENERGY EFFICIENCY:

STATE POLICIES: Energy Loan Fund; Energy Conversion Facilities Sales Tax Exemption; 166 Direct Loan; Regional 166 Direct Loan Program; Ohio Enterprise Bond Fund **FEDERAL POLICIES:** Renewable Energy for America Program; Energy Efficient Commercial Buildings Tax Credit; Industrial Development Revenue Bonds **ADDITIONAL RESOURCES:** The Ohio Manufacturing Extension Partnership; Ohio Energy Resources Division

DEVELOP OR RETRAIN MY WORKFORCE:

FEDERAL PROGRAMS: Federal Workforce Development Programs **ADDITIONAL RESOURCES:** Ohio's 1st Stop Business Connection

EXPAND MY RESEARCH AND DEVELOPMENT:

STATE POLICIES: Research and Development Sales Tax Exemption; Research and Development Investment Tax Credit **FEDERAL POLICIES:** Energy Efficiency and Renewable Energy Grants **ADDITIONAL RESOURCES:** National Institute of Standards and Technology, Ohio Energy Resources Division

Ohio State Policies

166 Direct Loan

SUMMARY: This low-interest loan program provides funding to companies that commit to creating or preserving jobs for land and building acquisition, equipment purchase, and business expansion or renovation.

TYPE OF FUNDING: Low-interest loan

GOVERNMENT AGENCY: ODOD Office of Business Development

INFO/WEBSITE: http://development.ohio.gov/bs/bs_busgrantsloans.htm

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Research and Development (R&D) Sales Tax Exemption

SUMMARY: This opportunity exempts businesses from state and county sales tax for R&D machinery and equipment purchases.

TYPE OF FUNDING: Tax Exemption

GOVERNMENT AGENCY: Ohio Department of Taxation

INFO/WEBSITE: http://development.ohio.gov/Business/Tax_Credit.htm

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Regional 166 Direct Loan Program

SUMMARY: This low-interest loan program provides up to \$350,000 to businesses that commit to creating or preserving jobs.

TYPE OF FUNDING: Low-interest loan

GOVERNMENT AGENCY: ODOD Office of Business Development

INFO/WEBSITE: http://development.ohio.gov/bs/bs_r166dl.htm

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Ohio Enterprise Bond Fund

SUMMARY: This bond fund provides support for commercial or industrial projects in land and building acquisition, construction, expansion or renovation and equipment purchases.

TYPE OF FUNDING: Bond funding

GOVERNMENT AGENCY: Ohio Department of Development

INFO/WEBSITE: http://development.ohio.gov/bs/bs_busgrantsloans.htm

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Job Creation Tax Credit

SUMMARY: This tax credit may be used to refund a company's corporate franchise tax or commercial activity tax.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Ohio Department of Development

INFO/WEBSITE: <http://development.ohio.gov/Business/jctc/>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Minority Direct Loan

SUMMARY: These direct loans are provided to businesses that are at least 51 percent minority owned and controlled that are locating or expanding in Ohio and will create new jobs. A minimum direct loan under this program is \$45,000.

TYPE OF FUNDING: Loan

GOVERNMENT AGENCY: Ohio Department of Development

INFO/WEBSITE: http://www.development.ohio.gov/bs/bs_ombdlp.htm

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Research and Development Investment Tax Credit

SUMMARY: This tax credit is a nonrefundable credit against an Ohio C-Corporation's Corporate Franchise Tax.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Ohio Department of Development

Contact: (800) 848-1300

INFO/WEBSITE: http://www.development.ohio.gov/bs/bs_rditcredit.htm

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Energy Loan Fund

SUMMARY: This loan provides funding to programs for energy efficiency and renewable energy projects that reduce energy usage, avoid fossil fuel emissions, and create or preserve jobs.

TYPE OF FUNDING: Loan

GOVERNMENT AGENCY: Ohio Department of Development

INFO/WEBSITE: http://www.development.ohio.gov/bs/bs_energy-loanfund.htm

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Energy Conversion Facilities Sales Tax Exemption

SUMMARY: This sales tax exemption applies to property used in energy conversion (replacement of fossil-fuel resources with alternative fuels/technologies), thermal-efficiency improvements (recovery of waste heat or steam), and conversion of solid waste to energy.

TYPE OF FUNDING: Sales Tax Exemption

GOVERNMENT AGENCY: Ohio Department of Taxation

INFO/WEBSITE: http://www.development.ohio.gov/bs/bs_contaxex-empt.htm

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

ADDITIONAL OHIO RESOURCES

The Ohio Manufacturing Extension Partnership

The Ohio Manufacturing Extension Partnership (Ohio MEP) offers affordable consultation services that help manufacturers increase profitability.

For more information on Ohio MEP, contact Elizabeth Colbert: 77 South High St., Columbus, 43215; 614.644.8788; beth.colbert@development.ohio.gov. Or visit Ohio MEP's website at <http://www.ohmep.com/>

Ohio's 1st Stop Business Connection

The 1st Stop Business Connection — a joint effort of the Ohio Department of Development's Small Business Development Centers and the U.S. Small Business Administration — provides free state-level information to aid entrepreneurs in opening small businesses.

For more information, visit the program's website: <http://www.development.ohio.gov/1ststop/onestop/index.cfm>

Ohio Energy Resources Division

The Ohio Energy Resources Division (OERD) works to grow the economy of the state by connecting companies and communities to financial and technical resources to deploy renewable energy technologies and energy efficiency.

To learn more, go to: <http://www.development.ohio.gov/Energy/>

For a comprehensive list of policies and programs offered in Ohio, see the following websites:

- The Database of State Incentives for Renewables & Efficiency:
<http://dsireusa.org/incentives/index.cfm?re=0&ee=0&spv=0&st=0&srp=0&state=OH>
- The State Business Finance and Incentives Resource Center (membership required):
<http://www.stateincentives.org/incentives.asp?action=basic&s=OH>
- The Ohio The Office Tax Incentives: <http://www.development.ohio.gov/Business/OTI.htm>
- A list of Loans and Bonds available in Ohio: http://www.development.ohio.gov/Business/Loans_Grants.htm

AEP REC Purchase Program

As part of AEP Ohio's Renewable Energy Credit (REC) Purchase Program, customers in the AEP service territory can sell their RECs produced from solar photovoltaic or wind energy systems that meet the requirements of the program.

To learn more, go to: http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=OH106F



Tennessee: *Where to Start*

I WANT TO . . .

START OR EXPAND MY BUSINESS:

STATE POLICIES: Community Development Block Grant Program; Industrial Machinery Tax Credit; Jobs Super Tax Credit; Jobs Tax Credit; Rural Opportunity Initiative Enhanced Job Tax Credit

FEDERAL POLICIES: Economic Adjustment Assistance; Modified Accelerated Cost-Recovery System; Industrial Development Revenue Bonds; Economic Development Administration Planning Program and Local Technical Assistance Program

ADDITIONAL RESOURCES: Center for Industrial Services; Business Enterprise Resource Office

PRODUCE RENEWABLE ENERGY:

STATE POLICIES: Green Energy Tax Credit; Wind Energy Systems Exemption; Sales Tax Credit for Clean Energy Technology; Sales and Use Tax Credit for Qualified Facility to Support an Emerging Industry **FEDERAL POLICIES:** Renewable Electricity Production Tax Credit; Industrial Development Revenue bonds; Rural Energy for America Program; Department of Energy Loan Programs; Clean Energy Property Tax Assessment; Sales and Use Tax Credit for Emerging Clean Energy Industry **ADDITIONAL RESOURCES:** Center for Industrial Services; Business Enterprise Resource Office

INCREASE MY FACILITIES' ENERGY EFFICIENCY:

STATE POLICIES: Sales and Use Tax Credit for Qualified Facility to Support an Emerging Industry **FEDERAL POLICIES:** Renewable Energy for America Program; Energy Efficient Commercial Buildings Tax Credit; Industrial Development Revenue Bonds

ADDITIONAL RESOURCES: Center for Industrial Services

DEVELOP OR RETRAIN MY WORKFORCE:

STATE POLICIES: FastTrack Job Training Assistance Program; Tennessee Job Skills; Job Based Training Reimbursement

FEDERAL PROGRAMS: Federal Workforce Development Programs

ADDITIONAL RESOURCES: Business Enterprise Resource Office

EXPAND MY RESEARCH AND DEVELOPMENT:

STATE POLICIES: Jobs Super Tax Credit; Jobs Tax Credit

FEDERAL POLICIES: Energy Efficiency and Renewable Energy Grants **ADDITIONAL RESOURCES:** National Institute of Standards and Technology, Center for Industrial Services; Business Enterprise Resource Office

Tennessee State Policies

FastTrack Job Training Assistance Program (FJTAP)

SUMMARY: This program provides reimbursements for qualified trainings to encourage businesses to improve employee skills. It is available to new and expanding industries.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Tennessee Department of Economic and Community Development

INFO/WEBSITE: http://tennessee.gov/ecd/BD_FastTrack.html

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Jobs Tax Credit

SUMMARY: This opportunity allows businesses that meet a \$500,000 investment and 25 new job thresholds to receive a their credit against franchise and excise taxes.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Tennessee Department of Revenue

INFO/WEBSITE: http://tennessee.gov/ecd/BD_business_tax_credit.html#jobs

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Tennessee Job Skills (TJS)

SUMMARY: This program provides reimbursements for training staff in industries creating high skills, high wage jobs in technology and high-demand sectors of the economy.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Tennessee Department of Economic and Community Development

INFO/WEBSITE: http://tennessee.gov/ecd/BD_FastTrack.html

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Jobs Super Tax Credit

SUMMARY: This super credit increases the regular Job Tax Credit to \$5,000 for every new occupational wage job, and it may exempt two-thirds of the required capital investment made during the investment period from the franchise tax base for companies investing \$100 million or more of capital and creating 100 or more jobs.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Tennessee Department of Revenue

INFO/WEBSITE: http://tennessee.gov/ecd/BD_business_tax_credit.html#super

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Job Based Training Reimbursement (JBT)

SUMMARY: This program provides quick reimbursement of employee training costs.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Tennessee Department of Economic and Community Development

INFO/WEBSITE: http://tennessee.gov/ecd/BD_FastTrack.html

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Industrial Machinery Tax Credit

SUMMARY: This opportunity provides a tax credit for capital investments in industrial machinery.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Tennessee Department of Revenue

INFO/WEBSITE: http://tennessee.gov/ecd/BD_business_tax_credit.html#mach

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Economic Development Community Development Block Grant (CDBG)

SUMMARY: This program provides grant funding for industrial infrastructure and loans for industrial buildings and equipment to encourage economic development in economically distressed counties.

TYPE OF FUNDING: Grant, Loan

GOVERNMENT AGENCY: Tennessee Department of Economic and Community Development

INFO/WEBSITE: <http://www.tn.gov/ecd/CDBG/index.shtml>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Sales and Use Tax Credit for Qualified Facility to Support an Emerging Industry

SUMMARY: This opportunity provides a sales and use tax credit to companies that support emerging industry by making a capital investment of at least \$100 million and creating 50 new jobs.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Tennessee Department of Revenue

INFO/WEBSITE: http://tennessee.gov/ecd/BD_business_tax_credit.html#sales

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Rural Opportunity Initiative Enhanced Job Tax Credit

SUMMARY: Enhanced job credits are provided through this program to businesses locating or expanding in specific counties considered Enhancement Counties. The credit may be used to offset the company's franchise and excise tax liability.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Tennessee Department of Revenue

INFO/WEBSITE: http://tennessee.gov/ecd/BD_business_tax_credit.html#rural

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Sales Tax Credit for Clean Energy Technology

SUMMARY: This law allows certified green energy production facilities to take a credit, apply for a refund of paid taxes, or apply for authority to make tax-exempt purchases for machinery and equipment used in the production of electricity.

TYPE OF FUNDING: Sales Tax Credit

GOVERNMENT AGENCY: Tennessee Department of Revenue

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Green Energy Tax Credit

SUMMARY: Industries involved in the green energy supply chain that invest at least \$250 million in Tennessee can receive tax credits up to \$1.5 million that can be applied to a company's franchise and excise tax liability.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Tennessee Department of Economic and Community Development

INFO/WEBSITE: http://www.tn.gov/ecd/CD_office_energy_division.html

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Sales and Use Tax Credit for Emerging Clean Energy Industry

SUMMARY: The Sales and Use Tax is reduced to 0.5 percent for clean energy technology manufacturers on the sale or use of qualified tangible personal property.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Tennessee Department of Revenue

INFO/WEBSITE: http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=TN55F&re=0&ee=0

INFORMATION SOURCE: DSIRE

TVA - Mid-Sized Renewable Standard Offer Program

SUMMARY: This program provides incentives for mid-sized renewable energy generators to enter into long-term price contracts.

TYPE OF FUNDING: Performance-based Incentive

GOVERNMENT AGENCY: Tennessee Valley Authority

INFO/WEBSITE: <http://www.tva.com/renewablestandardoffer/>

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Green Energy Property Tax Assessment

SUMMARY: Special property tax assessment for certified green energy production facilities; wind property shall be assessed at a value of no more than one-third of total installed costs; solar property shall be assessed at a value of no more than 12.5% of total installed costs; all other qualifying green energy property shall be assessed at a value determined by the State Board of Equalization and Department of Environment and Conservation (TDEC).

TYPE OF FUNDING: Property Tax Incentive

GOVERNMENT AGENCY: Tennessee Comptroller of the Treasury

INFO/WEBSITE: http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=TN72F&re=0&ee=0

INFORMATION SOURCE: DSIRE

Wind Energy Systems Exemption

SUMMARY: This law states that wind energy systems operated by public utilities, businesses or industrial facilities will not be taxed more than one-third their total cost.

TYPE OF FUNDING: Property Tax Incentive

GOVERNMENT AGENCY: Tennessee Comptroller of the Treasury

INFO/WEBSITE: http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=TN03F&re=0&ee=0

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

ADDITIONAL TENNESSEE RESOURCES

Center for Industrial Services

The University of Tennessee Center for Industrial Services (CIS) — Tennessee's local Manufacturing Extension Partnership — has offices throughout Tennessee. CIS offers affordable consultation services that help manufacturers increase profitability.

For more information on CIS, go to its website at <http://www.cis.tennessee.edu/>, or contact Paul Jennings: 615.532.8657; Paul.Jennings@tennessee.edu

Business Enterprise Resource Office

Tennessee's Business Enterprise Resource Office (BERO) provides a wide range of services to aid small and minority- and women-owned businesses.

To learn more about BERO's services, go to its website: <http://www.state.tn.us/ecd/bero/index.html>

For a comprehensive list of policies and programs offered in Tennessee, see the following websites:

- The Database of State Incentives for Renewables & Efficiency:
<http://dsireusa.org/incentives/index.cfm?re=0&ee=0&spv=0&st=0&srp=0&state=TN>
- The State Business Finance and Incentives Resource Center (membership required):
<http://www.stateincentives.org/incentives.asp?action=basic&s=TN>



Virginia: *Where to Start*

I WANT TO . . .

START OR EXPAND MY BUSINESS:

STATE POLICIES: Governor's Opportunity Fund; Enterprise Zone Program; Economic Development Loan Fund; Virginia Tobacco Commission Southside Capital Access Program; 501(c)3 Tax Exempt Bonds; Loan Guaranty Program; VCEDA Revolving Loan Fund; Green Jobs Tax Credit; Virginia Jobs Investment Program **FEDERAL POLICIES:** Economic Adjustment Assistance; Modified Accelerated Cost-Recovery System; Industrial Development Revenue Bonds; Economic Development Administration Planning Program and Local Technical Assistance Program **ADDITIONAL RESOURCES:** GenEdge Alliance; Virginia Department of Business Assistance; Business One Stop

PRODUCE RENEWABLE ENERGY:

STATE POLICIES: Clean Energy Manufacturing Incentive Grant Program; Renewable Standard Offer; Green Jobs Tax Credit; Property Tax Exemption, Solar; Economic Development Loan Fund; Virginia Tobacco Commission Southside Capital Access Program **FEDERAL POLICIES:** Renewable Electricity Production Tax Credit; Industrial Development Revenue Bonds; Rural Energy for America Program; Department of Energy Loan Programs; Clean Renewable Energy Bonds **ADDITIONAL RESOURCES:** GenEdge Alliance. Dominion Community Solar Power Program

INCREASE MY FACILITIES' ENERGY EFFICIENCY:

STATE POLICIES: 501(c)3 Tax Exempt Bonds; Economic Development Loan Fund; Virginia Tobacco Commission Southside Capital Access Program; Loan Guaranty Program **FEDERAL POLICIES:** Renewable Energy for America Program; Energy Efficient Commercial Buildings Tax Credit; Industrial Development Revenue Bonds **ADDITIONAL RESOURCES:** GenEdge Alliance; Business One Stop

DEVELOP OR RETRAIN MY WORKFORCE:

STATE POLICIES: Virginia Jobs Investment Program; Worker Retraining Tax Credit **FEDERAL PROGRAMS:** Federal Workforce Development Programs **ADDITIONAL RESOURCES:** Virginia Department of Business Assistance; Business One Stop

EXPAND MY RESEARCH AND DEVELOPMENT:

STATE POLICIES: Virginia Investment Partnership Grant Fund **FEDERAL POLICIES:** Energy Efficiency and Renewable Energy Grants **ADDITIONAL RESOURCES:** National Institute of Standards and Technology, GenEdge Alliance

Virginia State Policies

Virginia Tobacco Commission Southside Capital Access Program (VCAP)

SUMMARY: This loan program provides funds for general working capital and fixed asset financing of up to \$250,000 for a single borrower or common enterprise.

TYPE OF FUNDING: Loan

GOVERNMENT AGENCY: Virginia Small Business Financing Authority

INFO/WEBSITE: http://www.vdba.virginia.gov/vsbfa_TobaccoCAP.shtml

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

501(c)3 Tax Exempt Bonds

SUMMARY: This tax exempt bond-financing allows nonprofits to access low cost capital for long-term financing needs.

TYPE OF FUNDING: Tax Exemption

GOVERNMENT AGENCY: Virginia Small Business Financing Authority

INFO/WEBSITE: http://www.vdba.virginia.gov/documents/FS_docs/501c3Info%20Sheet%205.10.pdf

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Economic Development Loan Fund

SUMMARY: This loan program provides funds for land and buildings acquisition, leasehold improvements or expansions, equipment purchases or installation, technology infrastructure development or permanent working capital.

TYPE OF FUNDING: Business loans

GOVERNMENT AGENCY: Virginia Small Business Financing Authority

INFO/WEBSITE: http://www.dba.virginia.gov/vsbfa_EcoDevLoanFund.shtml

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Loan Guaranty Program

SUMMARY: Through this program, the Virginia Small Business Financing Authority (VSBFA) guarantees bank loans for small businesses that the companies would not normally be able to access.

TYPE OF FUNDING: Loan

GOVERNMENT AGENCY: Virginia Small Business Financing Authority

INFO/WEBSITE: http://vdba.virginia.gov/vsbfa_loanguarantyprog.shtml

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Enterprise Zone Program

SUMMARY: This grant program assists business development and expansion with the goal of permanent net new jobs created in economically distressed regions.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Virginia Department of Housing and Community Development

INFO/WEBSITE: <http://www.dhcd.virginia.gov/index.php/community-partnerships-dhcd/downtown-revitalization/enterprise-zone.html>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

VCEDA Revolving Loan Fund

SUMMARY: This program provides low-interest loans for fixed asset needs — such as land or equipment purchases and building construction — to new or expanding industries or to Industrial Development Authorities.

TYPE OF FUNDING: Loan

GOVERNMENT AGENCY: Virginia Coalfield Economic Development Authority

INFO/WEBSITE: <http://www.vaceda.org/vcedafunding.php>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Governor's Opportunity Fund (GOF)

SUMMARY: This grant program awards funds to counties, cities, towns, or industrial/economic development authorities to benefit specific projects.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Virginia Economic Development Partnership

INFO/WEBSITE: http://www.yesvirginia.org/whyvirginia/financial_advantages/business_incentives.aspx

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Virginia Investment Partnership (VIP) Grant Fund

SUMMARY: This grant program is targeted to manufacturers — or research and development services supporting manufacturing — that work on projects that invest in Virginia and promote stable or growing employment opportunities.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Virginia Economic Development Partnership

INFO/WEBSITE: http://www.yesvirginia.org/whyvirginia/financial_advantages/business_incentives.aspx

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Worker Retraining Tax Credit

SUMMARY: This opportunity provides a 30 percent tax credit of all expenditures made by employers for worker retraining.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Virginia Department of Taxation

INFO/WEBSITE: <http://www.tax.virginia.gov/site.cfm?alias=TaxCredit>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Green Jobs Tax Credit

SUMMARY: Companies are allowed five years of \$500 income tax credits for every green job — up to 350 green jobs — created with an annual salary of \$50,000.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: Office of the Secretary of Commerce and Trade

INFO/WEBSITE: <http://www.commerce.virginia.gov/Initiatives/Green-JobsTaxCredit.cfm>

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Virginia Jobs Investment Program

SUMMARY: This program provides funding for the expansion of existing businesses and start-up operations for new businesses. This funding is targeted towards worker training.

GOVERNMENT AGENCY: Virginia Department of Business Assistance

INFO/WEBSITE: <http://www.vdba.virginia.gov/vjip.shtml>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Renewable Standard Offer

SUMMARY: This performance-based incentive allows mid-sized renewable energy generators to enter into long-term price contracts.

TYPE OF FUNDING: Performance-based Incentive

GOVERNMENT AGENCY: Tennessee Valley Authority

INFO/WEBSITE: <http://www.tva.com/renewablestandardoffer/>

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Clean Energy Manufacturing Incentive Grant Program

SUMMARY: This grant program provides funding for up to six years to clean energy manufacturers that meet several requirements in terms of job creation and capital investment.

TYPE OF FUNDING: Grant

GOVERNMENT AGENCY: Virginia Department of Taxation

INFO/WEBSITE: <http://leg1.state.va.us/cgi-bin/legp504.exe?111+sum+HB2316>

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Property Tax Exemption, Solar

SUMMARY: This property tax exemption allows counties, cities, or towns to exempt or partially exempt solar energy equipment from local property taxes.

TYPE OF FUNDING: Property Tax Exemption

GOVERNMENT AGENCY: Virginia Department of Mines, Minerals, and Energy; Virginia Division of Energy

INFO/WEBSITE: http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=VA01F&re=0&ee=0

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

ADDITIONAL VIRGINIA RESOURCES

GenEdge Alliance

The GenEdge Alliance — Virginia's local Manufacturing Extension Partnership center — offers affordable consultation services that help manufacturers increase profitability.

For more information on the GenEdge Alliance, contact Jeff Kohler: 645 Patriot Avenue, Martinsville, VA 24112; 276.666.8890; jkohler@genedge.org. Or visit its website at: <http://www.genedge.org/>

Business One Stop

Virginia's Business One Stop provides free state-level information to aid entrepreneurs in opening or expanding small businesses.

For more information, visit the program's website: http://portal.virginia.gov/business/starting/business_one_stop/

Virginia Department of Business Assistance

The Virginia Department of Business Assistance (VDBA) provides technical assistance related to business formation, access to capital, and workforce development. VDBA works with existing businesses as they grow their workforce and mentors entrepreneurs from ideas to launching their first business venture.

Learn more at: <http://vdba.virginia.gov//index.shtml>

For a comprehensive list of policies and programs offered in Virginia, see the following websites:

- The Database of State Incentives for Renewables & Efficiency:
<http://dsireusa.org/incentives/index.cfm?re=0&ee=0&spv=0&st=0&srp=0&state=VA>
- The State Business Finance and Incentives Resource Center (membership required):
<http://www.stateincentives.org/incentives.asp?action=basic&s=VA>
- The Virginia Economic Development Partnership's list of business incentives:
http://www.yesvirginia.org/whyvirginia/financial_advantages/business_incentives.aspx



West Virginia: *Where to Start*

I WANT TO . . .

START OR EXPAND MY BUSINESS:

STATE POLICIES: West Virginia Venture Capital; Economic Opportunity Credit; Manufacturing and Research and Development Sales Tax Exemption; Direct Loan Programs; Linked Deposit Loan Program; Industrial Revenue Bonds; West Virginia Infrastructure and Jobs Development Council; Loan Insurance Program
FEDERAL POLICIES: Economic Adjustment Assistance; Modified Accelerated Cost-Recovery System; Industrial Development Revenue Bonds; Economic Development Administration Planning Program and Local Technical Assistance Program
ADDITIONAL RESOURCES: The West Virginia Manufacturing Extension Partnership.

PRODUCE RENEWABLE ENERGY:

STATE POLICIES: Property Tax Incentive, Wind Energy; Tax Exemption for Wind Energy Generation, Wind Energy; West Virginia Venture Capital; Industrial Revenue Bonds
FEDERAL POLICIES: Renewable Electricity Production Tax Credit; Industrial Development Revenue Bonds; Rural Energy for America Program; Department of Energy Loan Programs
ADDITIONAL RESOURCES: The West Virginia Manufacturing Extension Partnership

INCREASE MY FACILITIES' ENERGY EFFICIENCY:

STATE POLICIES: Linked Deposit Loan Program; Industrial Revenue Bonds
FEDERAL POLICIES: Renewable Energy for America Program; Energy Efficient Commercial Buildings Tax Credit; Industrial Development Revenue Bonds
ADDITIONAL RESOURCES: The West Virginia Manufacturing Extension Partnership

DEVELOP OR RETRAIN MY WORKFORCE:

STATE POLICIES: The Workforce Investment Act Program; West Virginia Advance Program; Linked Deposit Loan Program
FEDERAL PROGRAMS: Federal Workforce Development Programs

EXPAND MY RESEARCH AND DEVELOPMENT:

STATE POLICIES: Strategic Research and Development Credit; Manufacturing and Research and Development Sales Tax Exemption
FEDERAL POLICIES: Energy Efficiency and Renewable Energy Grants
ADDITIONAL RESOURCES: National Institute of Standards and Technology, The West Virginia Manufacturing Extension Partnership

West Virginia State Policies

Direct Loan Programs

SUMMARY: These direct loans, offered through the West Virginia Economic Development Authority, cover the costs of land, building and equipment acquisition.

TYPE OF FUNDING: Low-interest Direct Loans

GOVERNMENT AGENCY: West Virginia Development Office

INFO/WEBSITE: <http://www.wvcommerce.org/business/businessassistance/expandingorrelocating/businessassistance/default.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Strategic Research and Development (R&D) Credit

SUMMARY: The tax credit offsets up to 100 percent of corporate net income tax and business franchise tax for manufacturers and businesses involved with research and development.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: West Virginia Development Office

INFO/WEBSITE: <http://www.wvcommerce.org/business/businessassistance/expandingorrelocating/businessassistance/default.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

West Virginia Infrastructure and Jobs Development Council

SUMMARY: This fund provides direct business financing for infrastructure improvements to public utilities, county development authorities and private companies doing infrastructure improvements.

TYPE OF FUNDING: Direct Business Financing

GOVERNMENT AGENCY: West Virginia Development Office

INFO/WEBSITE: <http://www.wvcommerce.org/business/businessassistance/expandingorrelocating/businessassistance/default.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Manufacturing and Research and Development (R&D) Sales Tax Exemption

SUMMARY: This tax exemption applies to materials and equipment purchased for direct use in manufacturing, or to services or tangible personal property directly used in R&D.

TYPE OF FUNDING: Tax Exemption

GOVERNMENT AGENCY: West Virginia Development Office

INFO/WEBSITE: <http://www.wvcommerce.org/business/businessassistance/expandingorrelocating/businessassistance/default.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Linked Deposit Loan Program

SUMMARY: The Linked Deposit Loan Program provides funding for capital access or formation, product and process improvement, and workforce preparation or development to for-profit state employers.

TYPE OF FUNDING: Loan

GOVERNMENT AGENCY: West Virginia Development Office

INFO/WEBSITE: <http://www.wvcommerce.org/business/businessassistance/expandingorrelocating/businessassistance/default.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Tax Exemption for Wind Energy Generation

SUMMARY: This tax reduction applies to the business and operation tax for wind turbines. The effective Business and Occupations tax rate on wind powered turbines is about 30 percent of the rate on other types of new generating units.

TYPE OF FUNDING: Tax Reduction

GOVERNMENT AGENCY: West Virginia Division of Energy

INFO/WEBSITE: http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=WV02F&re=0&ee=0

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Economic Opportunity Credit

SUMMARY: This tax credit can offset percentages of specific business taxes for businesses that create a requisite number of jobs and pay employees above the statewide average non-farm payroll wage. Different credits are also available for businesses that do not meet these exact requirements.

TYPE OF FUNDING: Tax Credit

GOVERNMENT AGENCY: West Virginia Development Office

INFO/WEBSITE: <http://www.wvcommerce.org/business/businessassistance/expandingorrelocating/businessassistance/default.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Property Tax Incentive, Wind Energy

SUMMARY: This property tax incentive results in an effective property rate on wind turbines that is 24.95 percent of the rate on other types of new electricity-generating units.

TYPE OF FUNDING: Property Tax Incentive

GOVERNMENT AGENCY: West Virginia Division of Energy

INFO/WEBSITE: <http://www.dsireusa.org/incentives/index.cfm?re=0&ee=0&spv=0&st=0&srp=1&state=WV>

INFORMATION SOURCE: DSIRE: <http://www.dsireusa.org/>

Industrial Revenue Bonds

SUMMARY: These bonds may be used for diverse needs in manufacturing, and they may finance project costs such as engineering, site preparation, land, buildings and equipment, transportation and communication, health care facilities and mineral extraction and processing.

TYPE OF FUNDING: Capital Access or Formation, Infrastructure Improvement

GOVERNMENT AGENCY: West Virginia Development Office

INFO/WEBSITE: http://vdba.virginia.gov/vsbfa_inddevbond.shtml

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

The Workforce Investment Act Program

SUMMARY: This is a job training program targeting job seekers who are either economically disadvantaged or displaced due to job shifting in the region.

TYPE OF FUNDING: Job Skills Training

GOVERNMENT AGENCY: West Virginia Development Office

INFO/WEBSITE: <http://www.wvcommerce.org/business/businessassistance/expandingorrelocating/businessassistance/default.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

Loan Insurance Program

SUMMARY: This program insures up to 80 percent of a bank loan, allowing lower interest. This program only applies to fixed assets, inventory, and working capital, so construction loans do not qualify.

TYPE OF FUNDING: Loan Guarantee

GOVERNMENT AGENCY: West Virginia Economic Development Authority

INFO/WEBSITE: <http://www.wveda.org/program-loaninsurance.html>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

West Virginia Advance Program

SUMMARY: This flexible program offers customized job training awards to new and existing businesses.

TYPE OF FUNDING: Job Skills Training

GOVERNMENT AGENCY: West Virginia Development Office

INFO/WEBSITE: <http://www.wvcommerce.org/business/businessassistance/expandingorrelocating/businessassistance/default.aspx>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

West Virginia Venture Capital

SUMMARY: This program provides debt and equity venture capital investment to small businesses.

TYPE OF FUNDING: Direct Investment

GOVERNMENT AGENCY: West Virginia Economic Development Authority

INFO/WEBSITE: <http://www.wveda.org/program-venturecapital.html>

INFORMATION SOURCE: State Business Finance and Incentives Resource Center

ADDITIONAL WEST VIRGINIA RESOURCES

The West Virginia Manufacturing Extension Partnership

The West Virginia Manufacturing Extension Partnership (WVMEP) offers affordable consultation services that help manufacturers increase profitability.

For more information, visit WVMEP's website at <http://www.wvmep.com/>, or contact Gerald Biser: 304.293.3800, gbiser@wvmep.wvu.edu

For a comprehensive list of policies and programs offered in West Virginia, see the following websites:

- The Database of State Incentives for Renewables & Efficiency:
<http://dsireusa.org/incentives/index.cfm?re=0&ee=0&spv=0&st=0&srp=0&state=WV>
- The State Business Finance and Incentives Resource Center (membership required):
<http://www.stateincentives.org/incentives.asp?action=basic&s=WV>

Conclusion

Financial incentive programs have tremendous power to stimulate supply and demand for renewable energy: a well-crafted state renewable energy incentive program can dramatically increase private investment by eliminating barriers to investment and channeling federal, state, and local level policies into robust funding streams.

This tool was developed to provide local economic developers, policy makers, and community organizers with accessible information on both state and federal policies and programs that can support their businesses and communities as renewable energy sources continue to expand. The tool was designed to help communities harness the economic benefits of renewable energy in the states that rely significantly on coal-fired electricity generation and predict power plant closures in the near future. It is our hope that this tool will help expand economic development, maximize job growth, and lead to stronger, more vibrant communities.

The development of this tool has afforded a unique opportunity for a detailed, critical examination of these state- and federal-level incentive programs. Cataloging policies allows for recognition of gaps, redundancies, and inefficiencies, and side-by-side state comparisons highlight best practices and identify the essential components of effective renewable energy programs.

Our analysis has identified three essential components of well-designed renewable energy incentive programs: encouraging local and community ownership; enacting stable, long-term policies; and developing a holistic, cohesive renewable energy strategy. These components are complementary, and they will have a synergistic effect when implemented collectively. Additional details on our analysis can be found in the online version of this tool, including specific policy recommendations and resources for further reading.

References

The two main sources of state policies and programs in this inventory are the following. Other sources for federal programs and policies are given within the Inventory along with links to the online sources.

North Carolina State University. Database of State Incentives for Renewables and Efficiency. Raleigh, NC.
Accessible online at <http://www.dsireusa.org/rpsdata/index.cfm>.

Council for Community and Economic Research. State Business Finance and Incentives Resource Center. Arlington, VA.
Accessible online (with membership password) at <http://www.stateincentives.org/>.

Other References Cited:

Cappiello, Dina. 2011. "New EPA rules threatening aging power plants". Associated Press, Dec 19.
Retrieved online from NBCNews.com.

Clean Energy States Alliance. 2009. *Developing an Effective State Clean Energy Program: A Blueprint for Success*. Montpelier, VT: Clean Energy States Alliance.

Celebi, Metin and Charles Russell. 2012. *Potential Coal Plant Retirements: 2012 Update*. The Brattle Group.
Accessible online at http://www.brattle.com/_documents/UploadLibrary/Upload1082.pdf.

Costanti, M. 2004. *Quantifying the Economic Development Impacts of Wind Power in Six Rural Montana Counties Using NREL's JEDI Model*. NREL/SR-500-36414. Golden, Colorado: National Renewable Energy Laboratory.

Energy Information Administration. 2010. "Existing Generating Unit in the United States by State and Energy Source."

Energy Information Administration. 2011. "Coal Production and Number of Mines by State and Mine Type, 2010, 2009." Report No: DOE/EIA-0584 (2010).

Farrell, John. 2011. *Democratizing the Electricity System: A Vision for the 21st Century Grid*. Minneapolis, MN: The New Rules Project. Accessible online at <http://www.ilsr.org/democratizing-electricity-system-vision-21st-century-grid/>.

Goldberg, M., K.C. Sinclair, and M. Milligan. 2004. *Job and Economic Development Impact (JEDI) Model: A User-Friendly Tool to Calculate Economic Impacts from Wind Projects*. NREL/CP-500-35953. Golden, Colorado: National Renewable Energy Laboratory.

Gouchoe, S., V. Everette and R. Haynes. 2002. *Case Studies on the Effectiveness of State Financial Incentives for Renewable Energy*. NREL/SR-620-32819. Golden, Colorado: National Renewable Energy Laboratory.

Grover, S. 2005. *A Guidebook for Estimating the Local Economic Benefits of Small Wind Power Projects for Rural Counties in Washington State*. Portland, Oregon. ECONorthwest.

Hunter, Leslie. 2011. *Renewable Energy in America: Markets, Economic Development and Policy in the 50 States*. Washington, DC. American Council on Renewable Energy.

Kildegaard, Arne and Josephine Myers-Kuykindall. 2006. *Community vs. Corporate Wind: Does it Matter Who Develops the Wind in Big Stone County, MN?* Morris, Minnesota. Accessible online at: http://c-bed.org/pdf/Big_Stone_Community_Corporate_Wind.pdf.

Lantz, E. and S. Tegen. 2008. *Variables Affecting Economic Development of Wind Energy*. NREL/CP-500-43506. Golden, CO: National Renewable Energy Laboratory.

- Lantz, E. and S. Tegen. 2009. *Economic Development Impacts of Community Wind Projects: A Review and Empirical Evaluation*. NREL/CP-500-45555. Golden, Colorado: National Renewable Energy Laboratory.
- Leon, Warren. 2012. *Designing the Right RPS: A Guide to Selecting Goals and Program Options for a renewable Portfolio Standard*. Accessible online at <http://www.cleanenergystates.org/resource-library/resource/designing-the-right-rps-a-guide-to-selecting-goals-and-program-options-for-a-renewable-portfolio-standard>.
- Maron, Dina Fine. 2011. "TVA Agrees to Shut Down 18 Coal-Fired Boilers and Curb Emissions." Climatewire, April 15. Retrieved online from NYtimes.com.
- Mazza, Patrick. 2008. *Community Wind 101: A Primer for Policymakers*. San Francisco, CA: The Energy Foundation.
- McIlmoil, Rory and Evan Hansen. 2011. *The Decline of Central Appalachian Coal and the Need for Economic Diversification*. Morgantown, WV: Downstream Strategies.
- Mendelsohn, Michael and John Harper. 2012. *\$1603 Treasury Grant Expiration: Industry Insight on Financing and Market Implications*. NREL/TP-6A20-53720. Golden, Colorado: National Renewable Energy Laboratory.
- National Governors Association. 2011. *Experts Roundtable on Economic Development in the Clean Energy Sector: Meeting Summary and Experts' Policy Recommendations*. Accessible online at <http://www.nga.org/cms/home/nga-center-for-best-practices/meeting--webcast-materials/page-eet-meetings-webcasts/col2-content/main-content-list/experts-roundtable-on-economic-d.html>.
- National Mining Association. 2010. "U.S. Coal Production by State and By Rank." Retrieved online from http://www.nma.org/pdf/c_production_state_rank.pdf.
- North Carolina State University. 2012. *Renewable Portfolio Standard Policies. Database of State Incentives for Renewables and Efficiency*. Accessible online at <http://www.dsireusa.org/rpsdata/index.cfm>.
- Pollin, Robert, James Heintz, and Heidi Garrett-Peltier. 2009. *The Economic Benefits of Investing in Clean Energy How the economic stimulus program and new legislation can boost U.S. economic growth and employment*. Amherst, MA: Center for American Progress.
- REN21. 2012. *Renewables 2012 Global Status Report*. Paris: REN21 Secretariat.
- Susman, Gerald I., and Amy K Glasmeier. 2009. *Industry Structure and Company Strategies of Major Domestic and Foreign Wind and Solar Energy Manufacturers: Opportunities for Supply Chain Development in Appalachia*. University Park, PA: Appalachian Regional Commission.
- Varadarajan, Uday, David Nelson, Brendan Pierpont, and Morgan Hervé-Mignucci. 2011. *The Impacts of Policy on the Financing of Renewable Projects: A Case Study Analysis*. San Francisco, CA: Climate Policy Initiative.
- Wiser, Ryan and Mark Bolinger. 2011. *2010 Wind Technologies Market Report*. U.S. Department of Energy, Lawrence Berkeley National Laboratory

