

Certified Technology Park Program



Gregory W. Deason
Vice President – Real Estate and Research Park Development
Director – Purdue Research Park
President – Association of University Research Parks

The idea economy is here.®

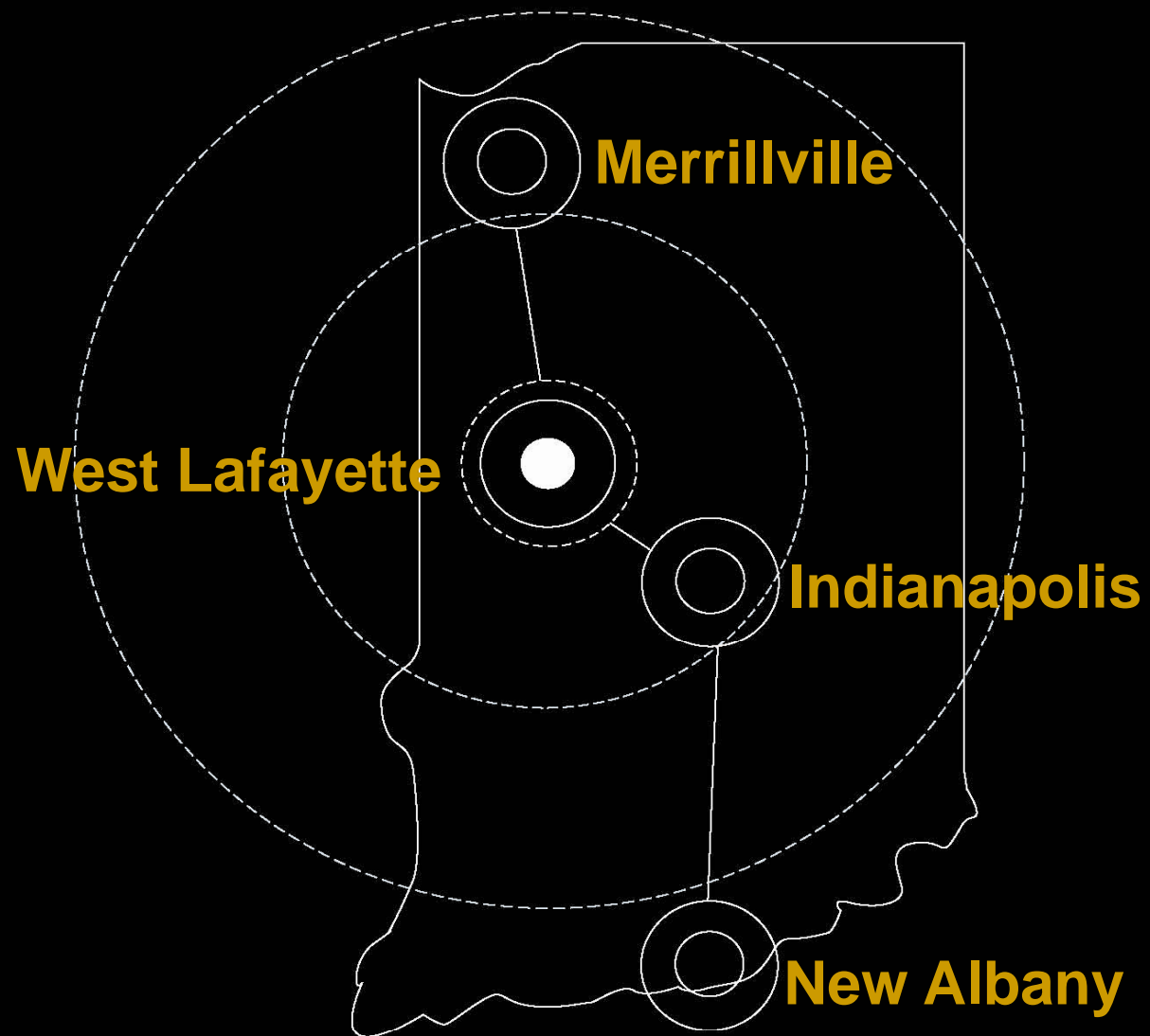


WE'RE THE
INNOVATION
bringing high-skill jobs to your city.
TRAIN



The idea economy is here.®

Our Locations...



Purdue Research Park of West Lafayette

- 725-acre Purdue Research Foundation development
- Certified Technology Park
- 54 buildings
- 108 technology-based firms
- 1.5 million sq. ft. (378,000 sq. ft. since July 2002 - \$50M)
- 164 companies
- Over 3,100 employees

West Lafayette

Purdue Technology Centers of West Lafayette

- \$54,000 average wage
- 44 incubating companies
- 53 graduated companies (33 remained here)
- \$125M of invested venture capital
- 365,000 sq. ft. of incubation space

added

Purdue Technology Center



- State of the Art Incubator Facility
- 106,000 S.F. of Laboratory and Office Space
- Opened 2009

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Ameriplex at the Crossroads

- 386-acre Purdue Research Foundation and Holladay Properties development
- Certified Technology Park
- 331,000 sq. ft. added since 07/01/02 (\$46M)
- Purdue Academic Learning Center: 1500+ students

Purdue Technology Center of Northwest Indiana

- \$52,000 average wage
- 20 companies/14 technology-based
- 48,000 sq. ft. of office/lab space (85% occupied)
- Building expansion planned for 2009

A stylized map of Merrillville, Indiana, with a white circle highlighting a specific location. The word "Merrillville" is written in large, bold, yellow letters next to the circle.

Merrillville

Purdue Technology Center

Northwest Indiana



- Opened December 2004
- Tenants include life science technology, homeland security and information technology

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New Albany

Purdue Research Park of Southeast Indiana

- 40-acre Purdue Research Foundation development
- Live/work/play master plan

Purdue Technology Center of Southeast Indiana

- Building to house both incubator and Purdue Academic Learning Center
- Learning Center to offer four new bachelor's degrees

Purdue Technology Center

Southeast Indiana



- Opened October 2008
- 48,000 S.F. of Office and Laboratory Space

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Purdue Research Park at AmeriPlex-Indianapolis

- 78-acre Purdue Research Foundation and Holladay Properties development
- Prime location near I-70 entrance to new Indianapolis International Airport Midfield Terminal
- 75 companies/1,500 jobs projected
- Environmentally friendly development

Purdue Technology Center of Indianapolis

- First Client in place
- Additional Client recruiting underway

Indianapolis



➤ Opened January 2009

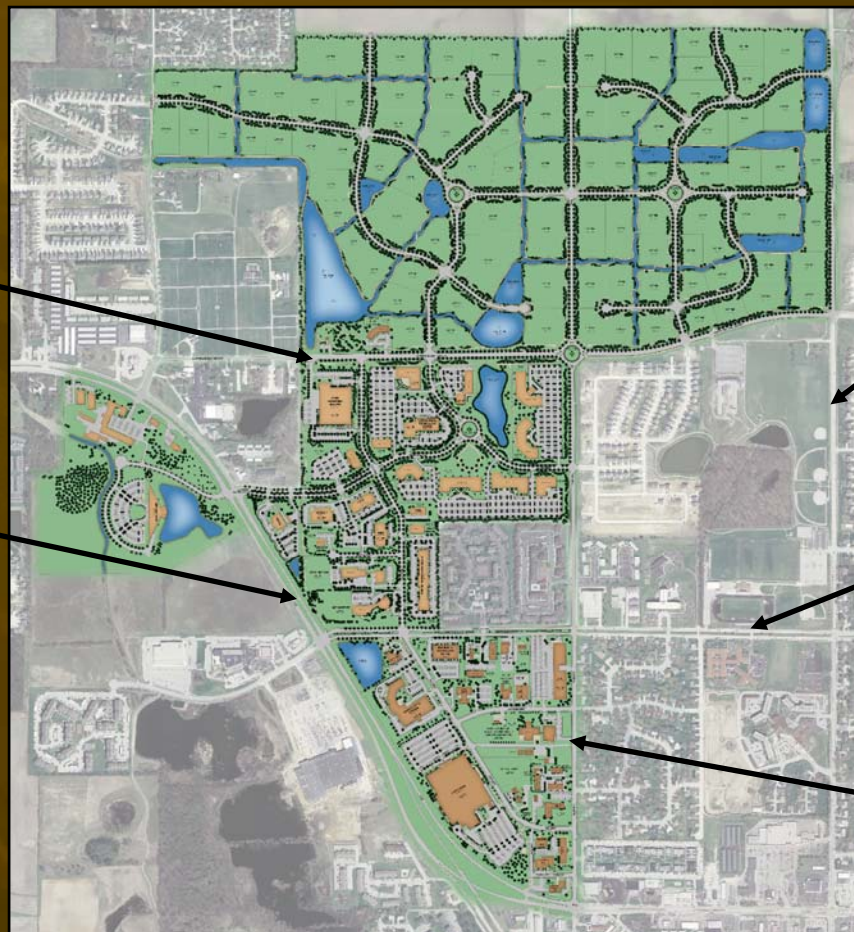
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Purdue Research Park

725 Acres Total

Kalberer Road

U.S. 52



Salisbury Street

Cumberland Ave.

Yeager Road

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Incubation: It's not about the building



“It’s not about the bike.” - *Lance Armstrong*

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Professional Services

- Human Resources / Employment Assistance
- Industry Cluster Management
- Reception and Admin Support
- Purdue Equipment & Facilities
- Technical Assistance Program
- Top Quality Business Equipment
- Professional Conference Management
- Fiber Connection to Purdue University
- High-speed Internet & Wireless
- Conference & Gathering Areas
- Networking Opportunities
- Job Placements / Job Fair
- Community Vendor Access
- Media Relations / Marketing
- Flexible Space and Leases
- Portals Program
- Two-Way Video
- University Connections
- Pre-Seed Investments
- Business Plan Competition
- Access to Purdue Faculty
- Fortune 500 Atmosphere
- SBDC/IEDC Services
- Governmental Relations
- Mail & Shipping
- Security

➤ **Discovery Park houses eleven centers of innovation:**

- Burton D. Morgan Center for Entrepreneurship
- Center for Advanced Manufacturing
- Oncological Sciences Center
- Birck Nanotechnology Center
- Center for the Environment
- Discovery Learning Center
- Bindley Bioscience Center
- E-Enterprise Center
- Cyber Center
- Energy Center
- Regenstrief Center for Healthcare Engineering



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- 3 Excellence in Economic Development Awards, IEDC 2008
 - ❖ Technology-Based Economic Development Award
 - ❖ Partnerships with Educational Institutions Award
 - ❖ Entrepreneurship Award



- Outstanding Science/Research Park Award, AURP 2004
- Excellence in Technology Transfer Award, AURP 2005

Honors, Awards & Accomplishments

- 7th place in Indiana's 25 Keepers 2005
- CoreNet Global Innovators Award *finalist* 2005
- MIRA Award: Professional Service Provider category, *TechPoint* 2003
- *Nation's top business acceleration program, University Business* 2003



- *Best industry practices recognition in "Bricks and Mortar", NBIA* 2000
- *Largest university technology incubation program in the U.S., NBIA* 1999

Association of University Research Parks (AURP)
International Association of Science Parks (IASP)
Indiana Economic Development Corporation (IEDC)
Indiana Business Incubator Society (IBIS)
National Business Incubation Association (NBIA)



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RESEARCH
PARKS**

Creating Communities of Innovation



Member of
IASP



INTERNATIONAL
ECONOMIC DEVELOPMENT
COUNCIL

The Power of Knowledge and Leadership

IBIS

INDIANA BUSINESS INCUBATOR SOCIETY
An Association of University-Affiliated Technology Incubators



NBIA

NATIONAL BUSINESS INCUBATION ASSOCIATION

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Building America's Communities of Innovation



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Technology Challenges Facing the U.S.

- National governments abroad are building large research parks and science centers, attracting top U.S. researchers and corporate research dollars
- Science and technology are now global commodities
- U.S. private corporate research centers are greatly downsized or no longer exist
- Corporate and federal support [*sans* stimulus funding] for R&D at universities is declining
- We are in midst of global economic turmoil





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Creating Communities of Innovation

The Power of Place: Goals

- Increasing the commercialization of U.S. Government R&D to help feed innovation to U. S. Communities of Innovation
- Increasing domestic corporate research in the U.S.
- Strengthening existing and developing new Communities of Innovation
- Creating, retaining and importing technology innovation start-ups





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North American Research Parks

- Direct employment of more than 300,000
- Every research park job generates an average of 2.57 additional jobs, supporting over 750,000 jobs
- Only 13% of research park graduates failed, compared to 40% of technology start ups nationally





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Jobs Impact of R and D Funding



According to U.S.
Department of
Commerce, every \$1
million in R&D
spending generates
36 jobs

American Association of State Colleges and
Universities: *Policy Matters*, October 2008





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Creating Communities of Innovation

Wainova Atlas of Innovation

[1951 Edition, if it existed then]

STANFORD
UNIVERSITY

Research Park

The U.S. invented the Research Park
100% of the Research Parks in the world
were in the U.S. in 1951





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Creating Communities of Innovation

Wainova Atlas of Innovation: 2009 Edition

U.S. research parks make up only 70 pages
of the 500 pages describing research
parks around the world





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Creating Communities of Innovation

U.S. National Innovation Policies: Disaggregation

- **Association level:** AURP, NBIA, SSTI, AUTM, National Angel Association, NASVF, FLC, NVCA, America's Defense Communities, Government-Industry-University Roundtable, COC
- **Federal level:** EDA, NIST, Dept of Commerce, OSTP, SBA





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Power of Place Policy Initiatives

- Human Capital
- Physical Capital
- Technology Capital





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Physical Capital

- Expansion and creation of new Communities of Innovation through federal loan guarantees [S. 583-Senator Pryor]
- Reforms in tax exempt financing of research facilities [private use issue]
- Enhanced Use Leasing (EUL) authority extended to all federal agencies for land and equipment





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Human Capital

- Support entrepreneurs and Science, Technology, Engineering and Math (STEM)
- Reform immigration laws to import smart entrepreneurs to U.S.
- A 21st Century Land Grant Act and Entrepreneurial Leave policies for federal researchers to connect with the private sector





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Grant Universities in the U.S.

This year we celebrate Lincoln's
200 birthday

President Lincoln signed the
original Land Grant Morrill Act.

This federal law connected public
universities with the then leading
industry – agriculture—to advance
science and to feed the world.

The Land Grant Act was the
nation's first technology transfer
program





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Creating Communities of Innovation

THE WHITE HOUSE

WASHINGTON

August 4, 2009

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Peter R. Orszag
Director, Office of Management and Budget

John P. Holdren
Director, Office of Science and Technology Policy

SUBJECT: Science and Technology Priorities for the FY 2011 Budget

Agencies should empower their scientists to have ongoing contact with people who know what's involved in making and using things, from cost and competitive factors to the many practical constraints and opportunities that can arise when turning ideas into reality.





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Financial Capital

- Reauthorize and expand SBIR/STTR/TIP programs
- Develop new access to seed capital for small entrepreneurial firms [Innovation America National seed fund]
- Create Congressionally chartered federal lab technology foundation to allow private sector access to \$20B. of fed lab internal research



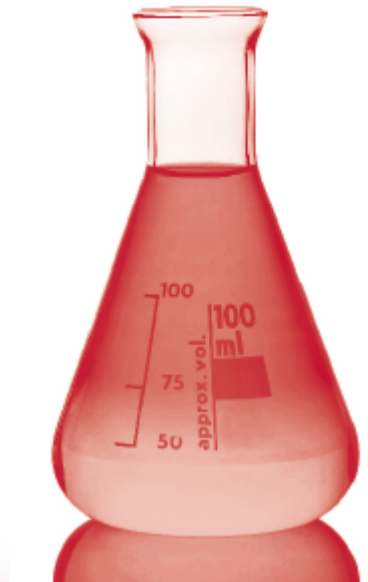


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Creating Communities of Innovation

Federal Labs: Communities of Innovation

**Develop National Federal Laboratory
Foundation to help better commercialize the
\$20 billion of internal Research and
Development spending within federal Labs in
our communities**



PAGE 35



Integrating Federal, Academic and Private R&D Assets:

The Power of Place



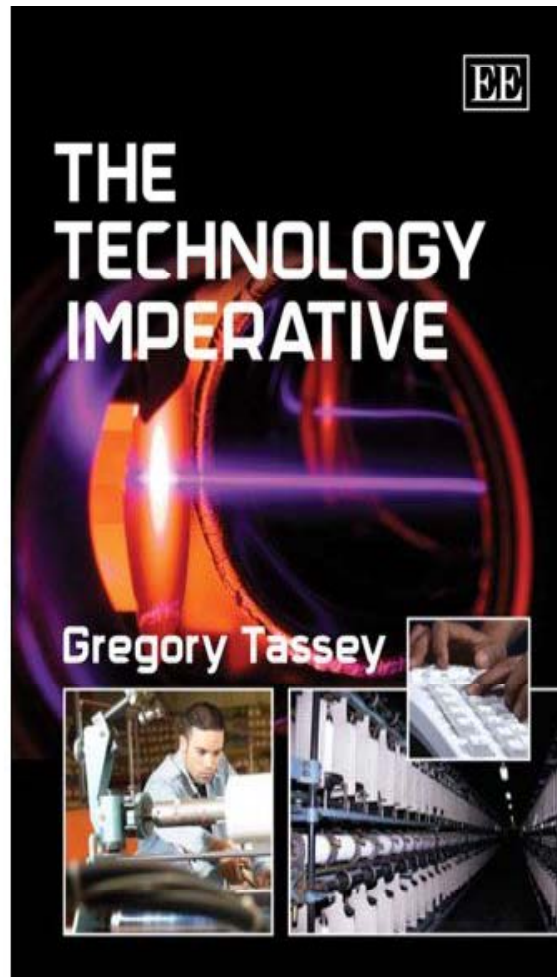
Energy Innovation Hubs
'Science Under One Roof'



Why is Power of Place important?

‘Direct personal contact has been demonstrated by numerous studies to be the most effective way of diffusing technology knowledge’

-Gregory Tassef of the National Institute of Standards and Technology (NIST), *The Technology Imperative*, pg. 68





Better Science; Better Innovation; A Better World





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Creating Communities of Innovation



An Improved Economy

**Better Science;
Better Innovation;
A Better World**



PAGE 39



PURDUE
RESEARCH PARK

Indiana's 1st Certified Technology Park



Cook Biotech expansion to keep park growing

Ground was broken May 7 in Purdue Research Park for expansion of Cook Biotech Inc., which will add more high-tech jobs to its current total of 70 employees.

Cook Biotech's new 55,000-square-foot manufacturing, research and development building is scheduled for completion in mid-2004.

"The expansion is the outgrowth of a firm commitment to the field of biomedical engineering by Cook, Purdue researchers, the research park and the city of West Lafayette," says Joseph Horvath, senior vice president and treasurer of the Purdue Research Foundation. "Our goal is to attract a critical mass of life sciences industries to create synergy and attract highly skilled practitioners, researchers and investors to West Lafayette."

Biotekure life sci strategic pl development

"The p other biote future site for many centers products for "We expect summer." That fa of only a federal gove involvement i manufactur Purdue



Future much bigger at Cook Biotech

New building will dwarf old

By Max Shover

COOK /

Continued from Page A

the original Cook Biotech building was the original site for the expansion, which is limited to that area only, says Horvath.

"It's not hard to see what a harder it is to do in many cases, the first job for a space," Horvath says.

In July, Cook Biotech Inc. and the West Lafayette City Council recently approved the expansion.

The new building, approximately 55,000 square feet, will be the largest of its kind in the region.

The new building will be a major addition to the park, which is currently the largest of its kind in the region.

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Research park to invest in itself

New designation for Purdue facility to help economy

By Max Shover

The Purdue Research Park is set to receive a new designation that will help it attract more high-tech companies and investors.

The new designation, which will be the first of its kind in the region, will help the park attract more high-tech companies and investors.

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Research park first to earn certified status

State law offers tax edge to spur high technology

By Max Shover

The Purdue Research Park is the first in the state to receive a new designation that will help it attract more high-tech companies and investors.

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Purdue Research Park gains state recognition

Certification intended to attract more high-technology firms

By Max Shover

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May 12, 2003

The idea economy is here.®

Certified Technology Park Program

Traditional TIF

- Incremental Growth of Real Estate Taxes due to improvements
- Funds reinvested in the TIF



Certified Tech Park

- Incremental Growth of Income Tax and Sales Tax
- Funds reinvested in the CTP
- Grant funds program also created

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CTP Eligibility

- Business Plan
- High-Tech Recruitment
- Expenditure Plan
 - Public Focus
 - Incubation
- Local Government Partner
- Indiana Higher Education Partner

We're Happening in Indiana

➤ Indiana is home to **18**
Certified Technology Parks:

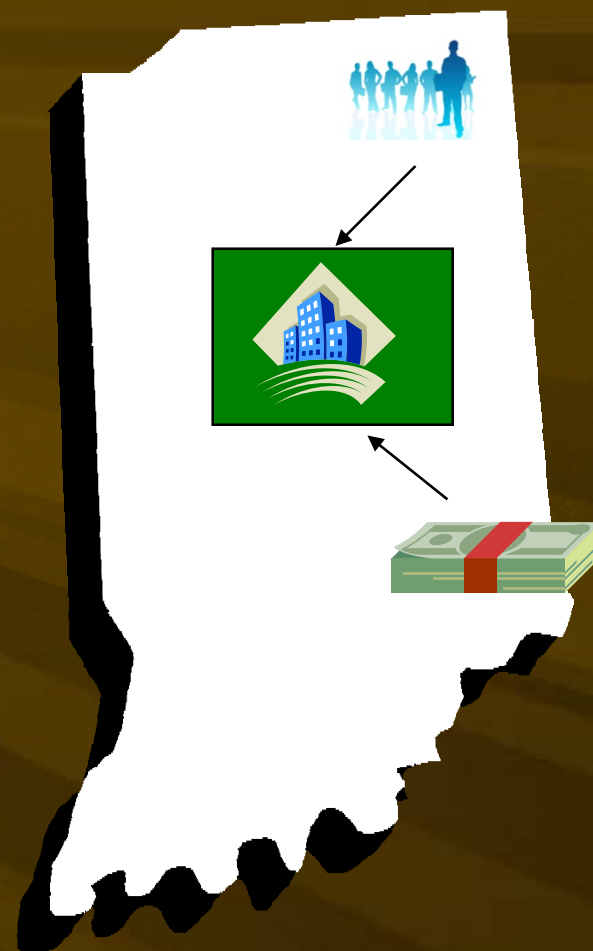
- West Lafayette
- Indianapolis (2)
- Hammond
- Fort Wayne
- Kokomo
- Anderson
- Muncie
- Richmond
- Merrillville
- Terre Haute
- Shelbyville
- Bloomington
- Washington
- Columbus
- Scottsburg
- Jeffersonville
- Evansville



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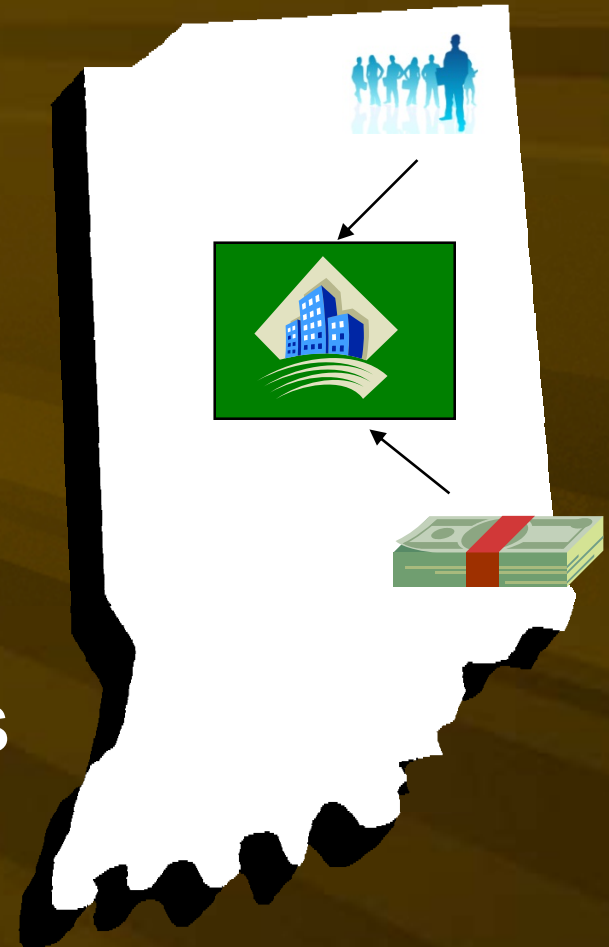
PROGRAM IMPACT

- West Lafayette
 - \$6.9M Total
 - \$4.2 M Increment
 - \$2.7 M TDGF Grant
- Merrillville
 - \$563K



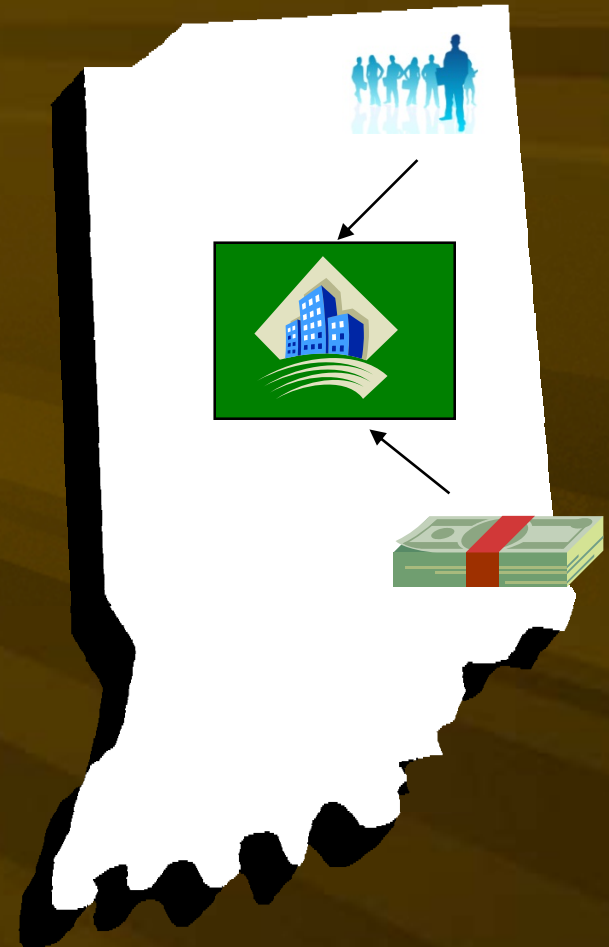
Recertification

- May 3, 2007
- Every 4 Years
- Recertification Data
 - Total Employment / Payroll
 - Technology Transfer
 - Non-Technology Businesses
 - Use / Outcomes of CTP \$\$\$
 - CTP Overall Contribution



PROGRAM IMPACT

- Recertification Results
 - 3 Year Growth
 - 702 Jobs
 - \$36.5 M Payroll
 - \$52 K Avg. Salary



The idea economy is here.®

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Research Park Development
Director – Purdue Research Park
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