Jennie Vaughan

- ▶ Chancellor at Ivy Tech Community College - Bloomington
- ▶ Regional Opportunity Initiatives Board Member

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**Advancing economic and community prosperity
in the 11-county region of Southwest Central Indiana.**

*Brown, Crawford, Daviess, Dubois, Greene, Lawrence, Martin,
Monroe, Orange, Owen and Washington counties.*

Board of Directors

ROI REGIONAL OPPORTUNITY INITIATIVES, INC.

- Brian Blackwell, *NSWC Crane*

- Mark Bradford, *Old National Bank*

- Tim Craddock, *NSA Crane*

- Duane Embree, *Indiana Office of Defense Development and Ivy Tech Community College*

- Doug Kellams, *Tri-County Builders*

- Paul Mitchell, *Energy Systems Network (ESN)*

- Tom Morrison, *Indiana University*

- Jai Perumal, *GKN Sinter Metals*

- Dan Peterson, *Cook Group*

- Tina Peterson, *Community Foundation of Bloomington and Monroe County*

- Jeff Quyle, *Radius Indiana*

- Becky Skillman, *Radius Indiana*

- William Stephan, *Indiana University*

- Jennie Vaughan, *Ivy Tech Bloomington*

- Matt Weinzapfel, *Jasper Engines*

- *2 more in process*

Staff

- Interim CEO: Tina Peterson

- Director of Education & Workforce: Todd Hurst

- National Security and Defense Sector Specialist: Angel Reece

- Life Sciences Sector Specialist: Laura Englander

- Regional Opportunity Fund Project Manager: Jen Healy

- Marketing and Communications: Betsy Trotzke

- Controller: Kris Stratten
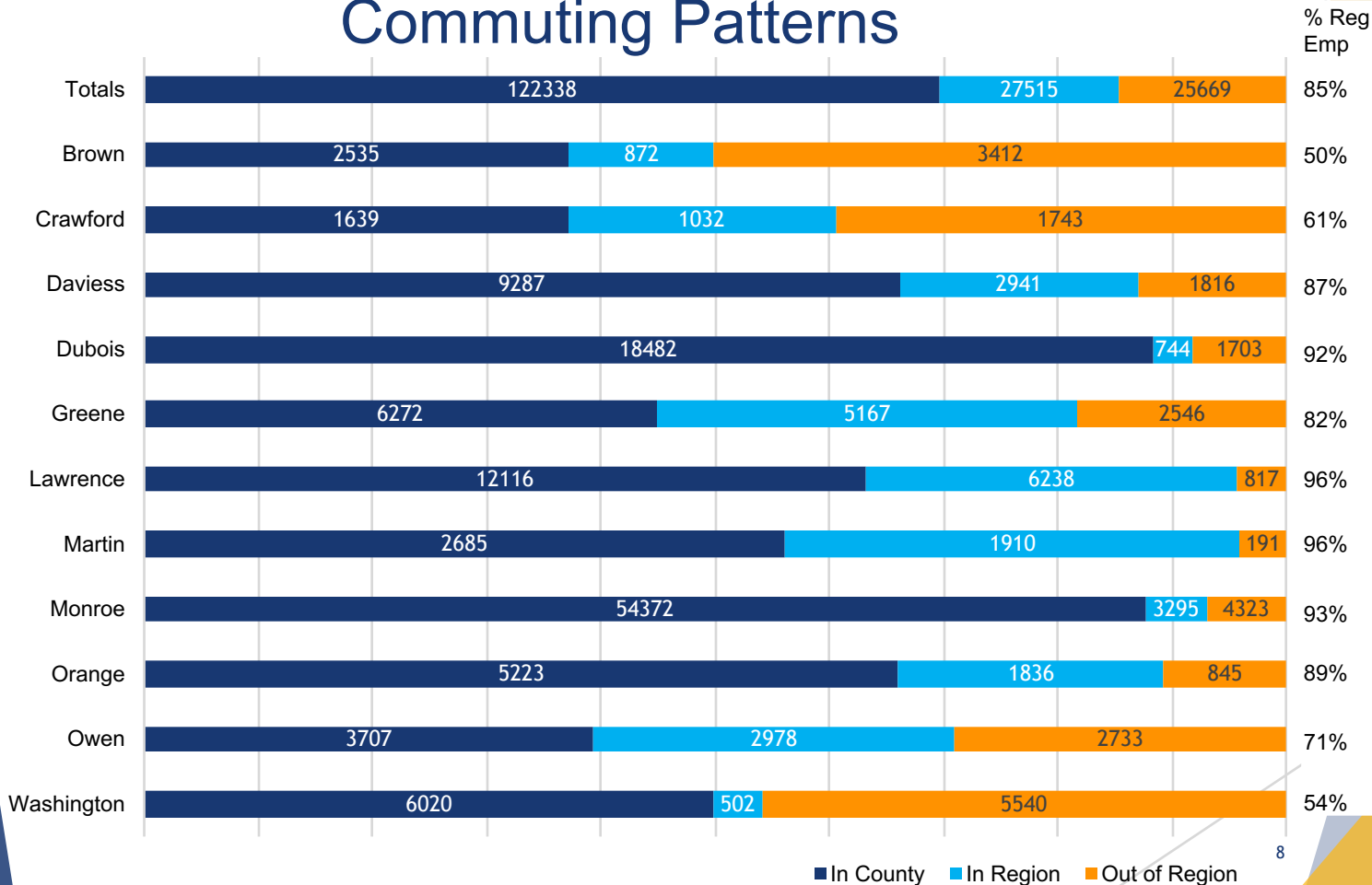
Tina Peterson

- ▶ Interim CEO, Regional Opportunity Initiatives
- ▶ Regional Opportunity Initiatives Board Member
- ▶ President and CEO, Community Foundation of Bloomington and Monroe County

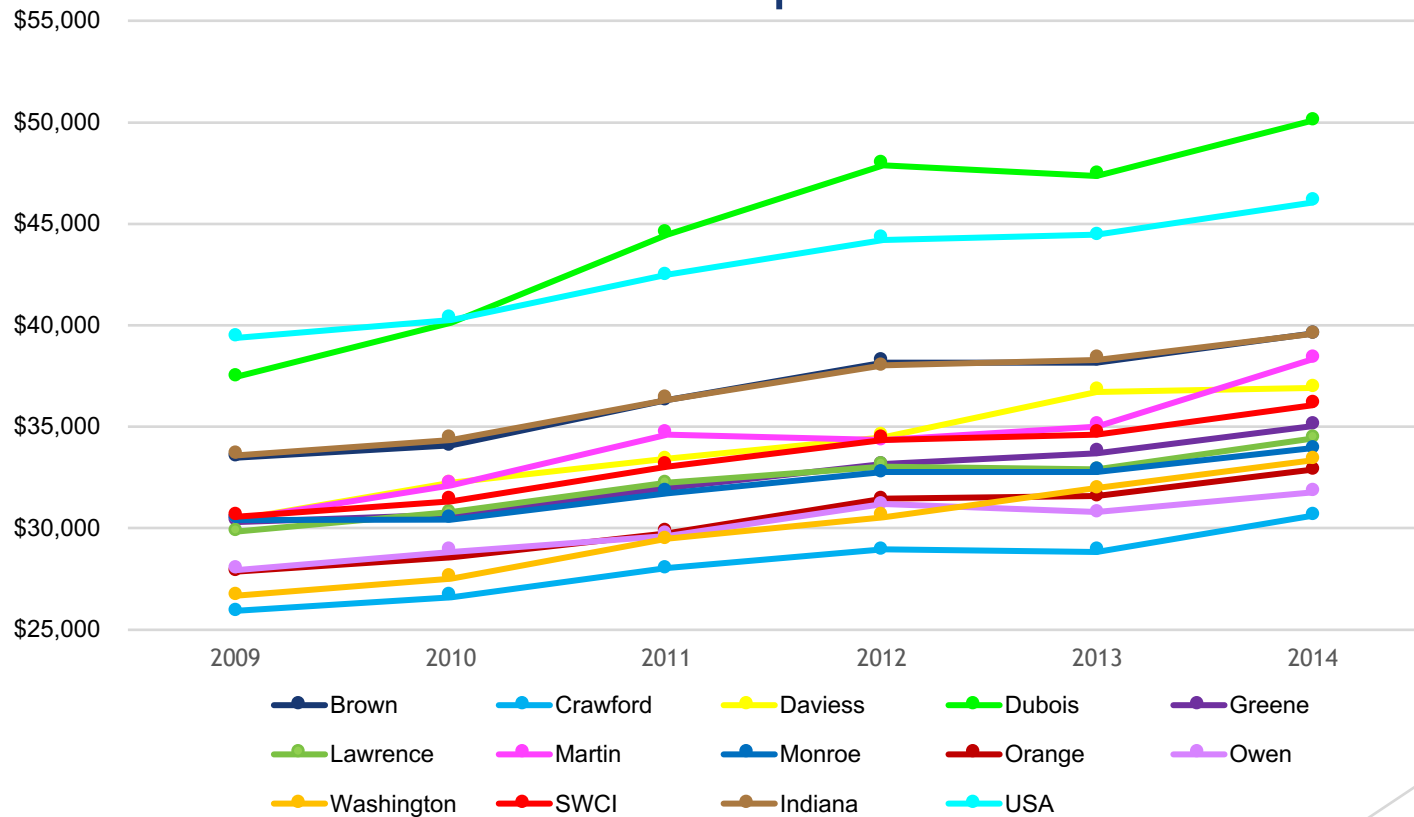**Contact Info:** tinapeterson@swcindiana.org

This is our region!

SOUTHWEST CENTRAL **INDIANA**
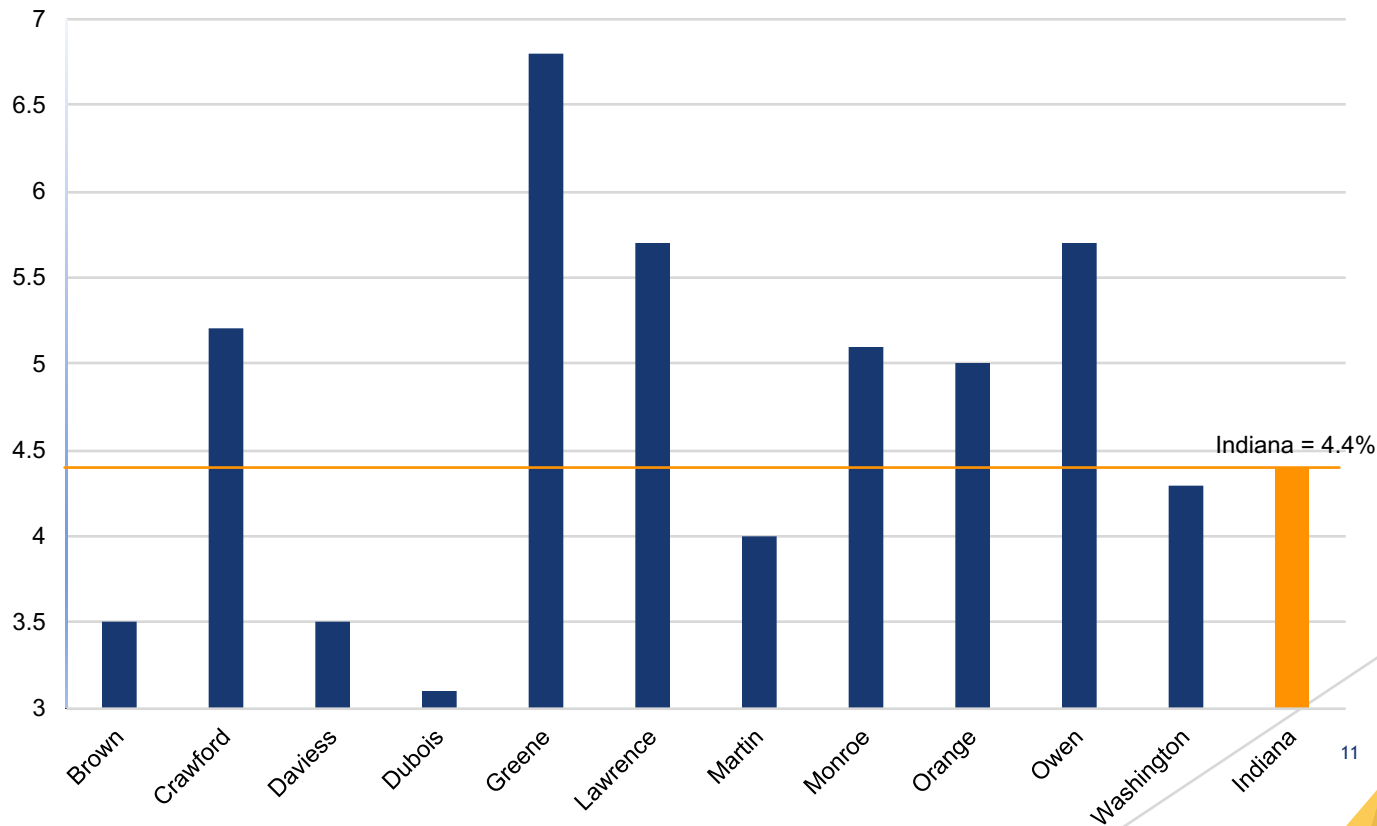
Commuting Patterns

County	In County	In Region	Out of Region	% Reg Emp
Totals	122338	27515	25669	85%
Brown	2535	872	3412	50%
Crawford	1639	1032	1743	61%
Daviess	9287	2941	1816	87%
Dubois	18482	744	1703	92%
Greene	6272	5167	2546	82%
Lawrence	12116	6238	817	96%
Martin	2685	1910	191	96%
Monroe	54372	3295	4323	93%
Orange	5223	1836	845	89%
Owen	3707	2978	2733	71%
Washington	6020	502	5540	54%

Legend: ■ In County ■ In Region ■ Out of Region

Per Capita

Average Per Capita 2014 – SWCI = $36,065 Indiana= $39,578

9

Regional Employment 2008-2015
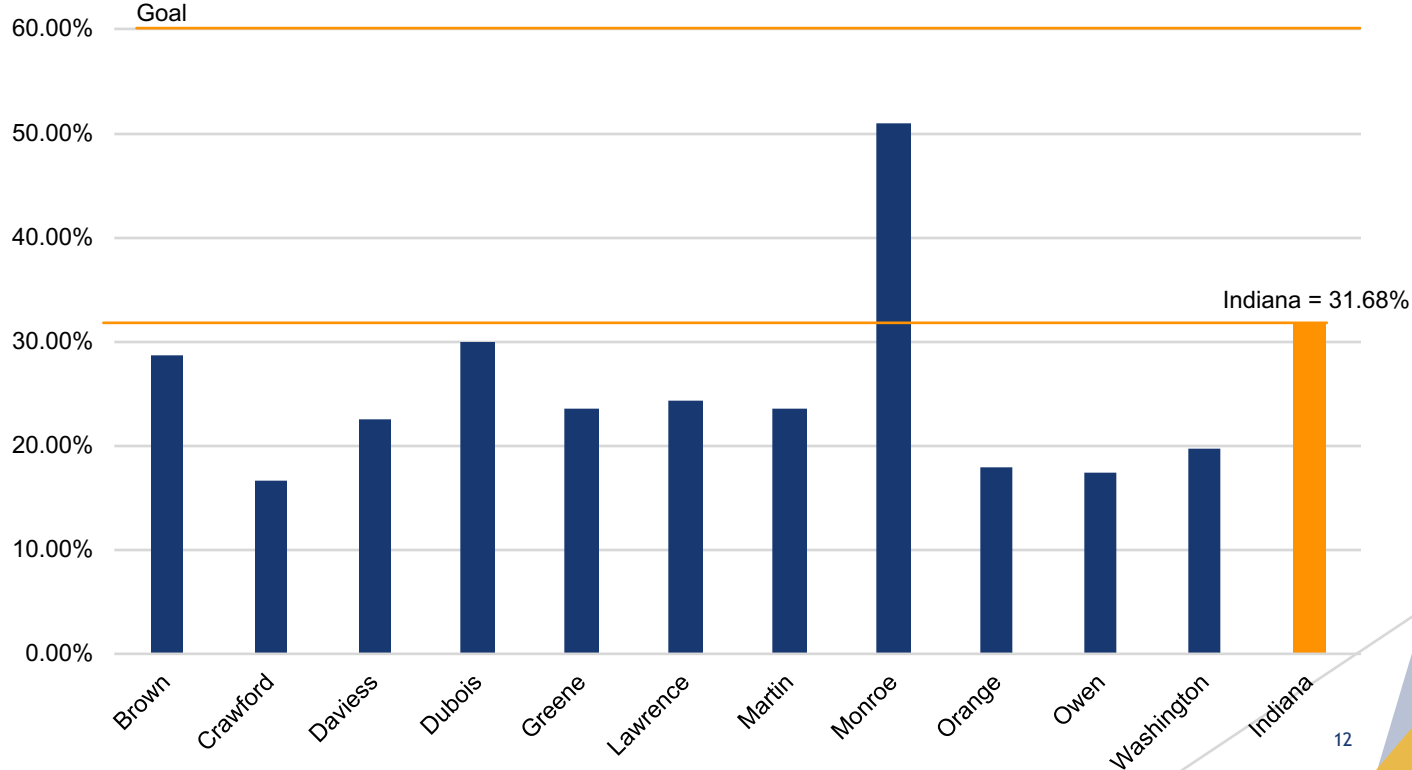

USA = 3.47%

Indiana = 2.41%

SWCI = -1.61%

SWCI   IND   USA

10
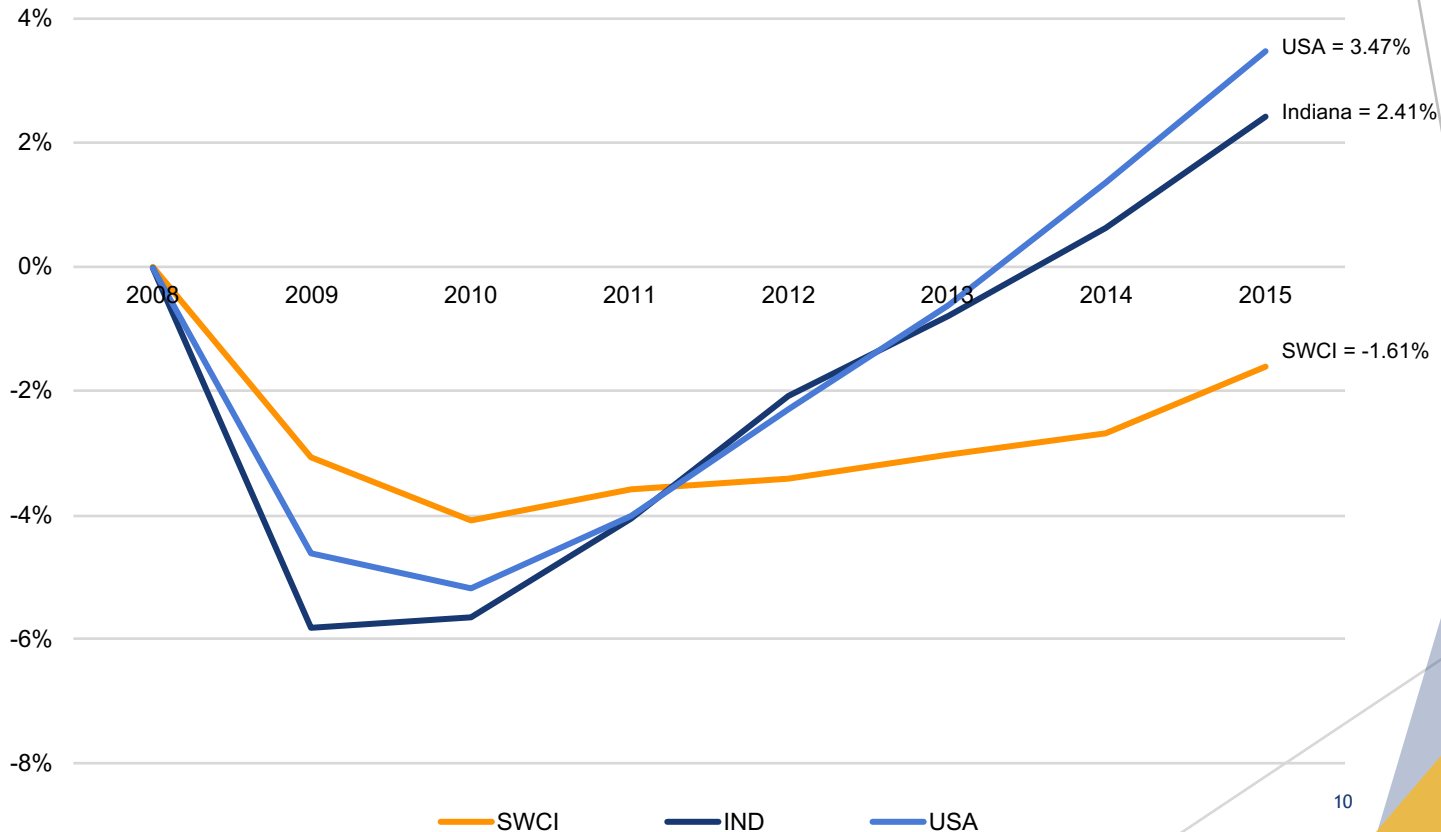
Unemployment % by County
(not seasonally adjusted) July 2016

Percent of 25+ Population with an Associates Degree or Higher

Goal

Indiana = 31.68%
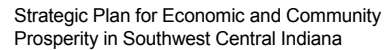
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%

Brown · Crawford · Daviess · Dubois · Greene · Lawrence · Martin · Monroe · Orange · Owen · Washington · Indiana

Median Age by County

Indiana = 37.5

13
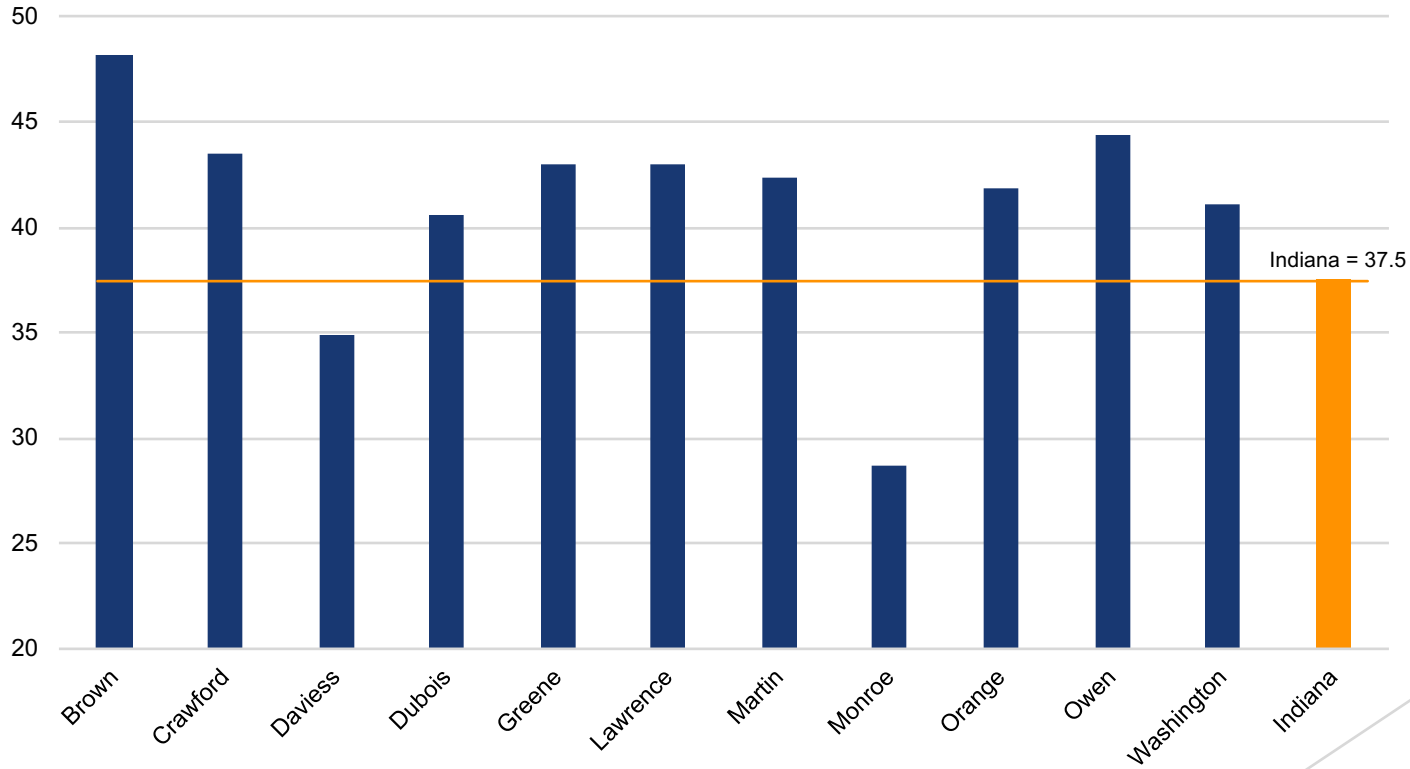
Southwest Central Indiana
Net Migration
Per 1,000 Residents

Strategic Plan for Economic and Community
Prosperity in Southwest Central Indiana

PREPARED BY:
Battelle Technology Partnership Practice (TPP)
PREPARED FOR:
Energy Systems Network
FUNDED BY:
Lilly Endowment, Inc.

June 2014

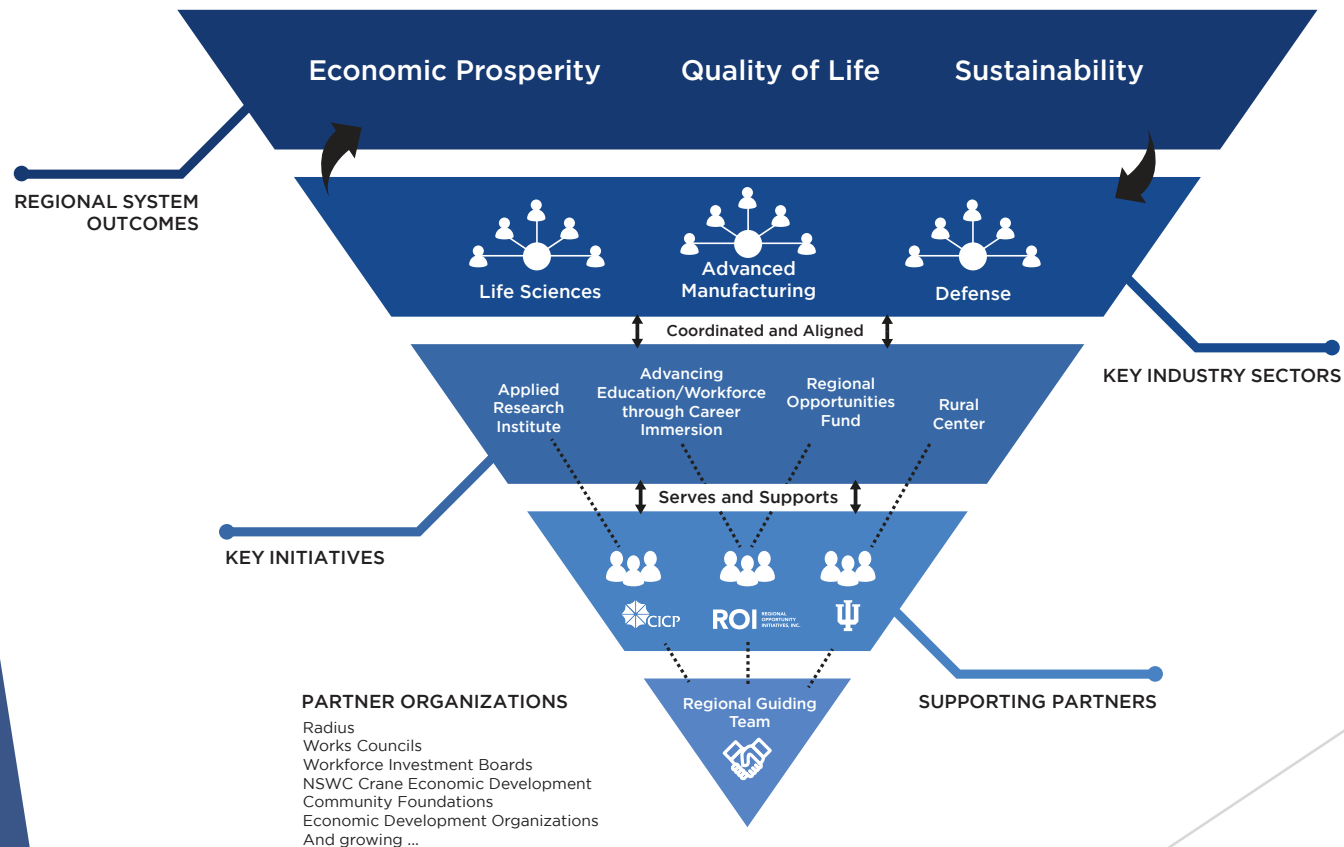# Southwest Central Indiana Strategic Plan

Read the complete plan at:

www.swcindiana.org

Southwest Central Indiana's Strategic Economic Development Plan

▶ Advance **sense of regionalism** and foster a **high-value quality of place**.

▶ Focus on **industry sectors** that provide the greatest opportunity for economic growth in the region.

▶ Implement an **education and workforce plan** focused on connecting education to industry, creating a native workforce prepared for the demands of employers.

▶ Establish and develop an **Applied Research Institute** to be located near the Naval Surface Warfare Center, Crane Division.

▶ Explore the development of a **Rural Center at Indiana University** to study and address societal challenges found in rural communities.

SWCI Regional Development Initiatives Supported by Lilly Endowment Grant

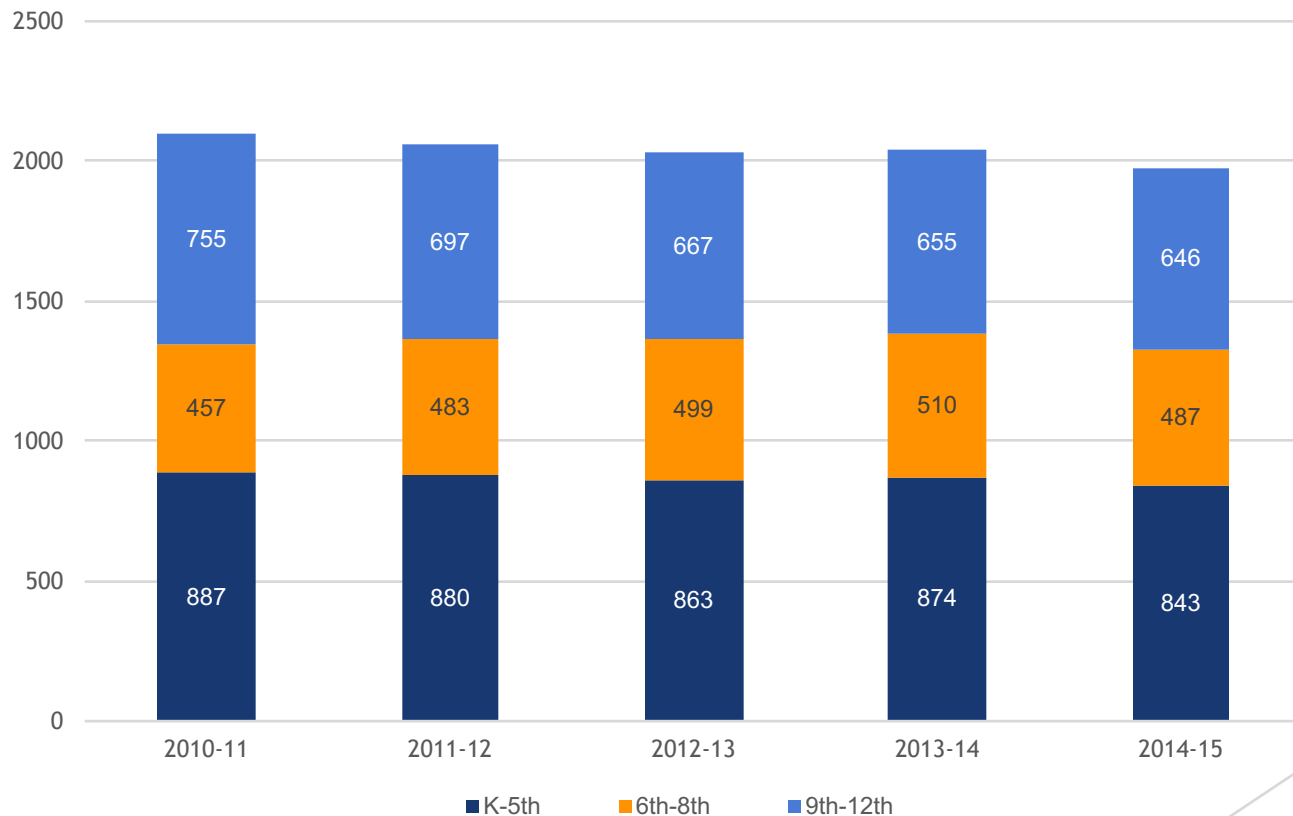# Advancing Education and Workforce through Career Immersion

Tina Peterson
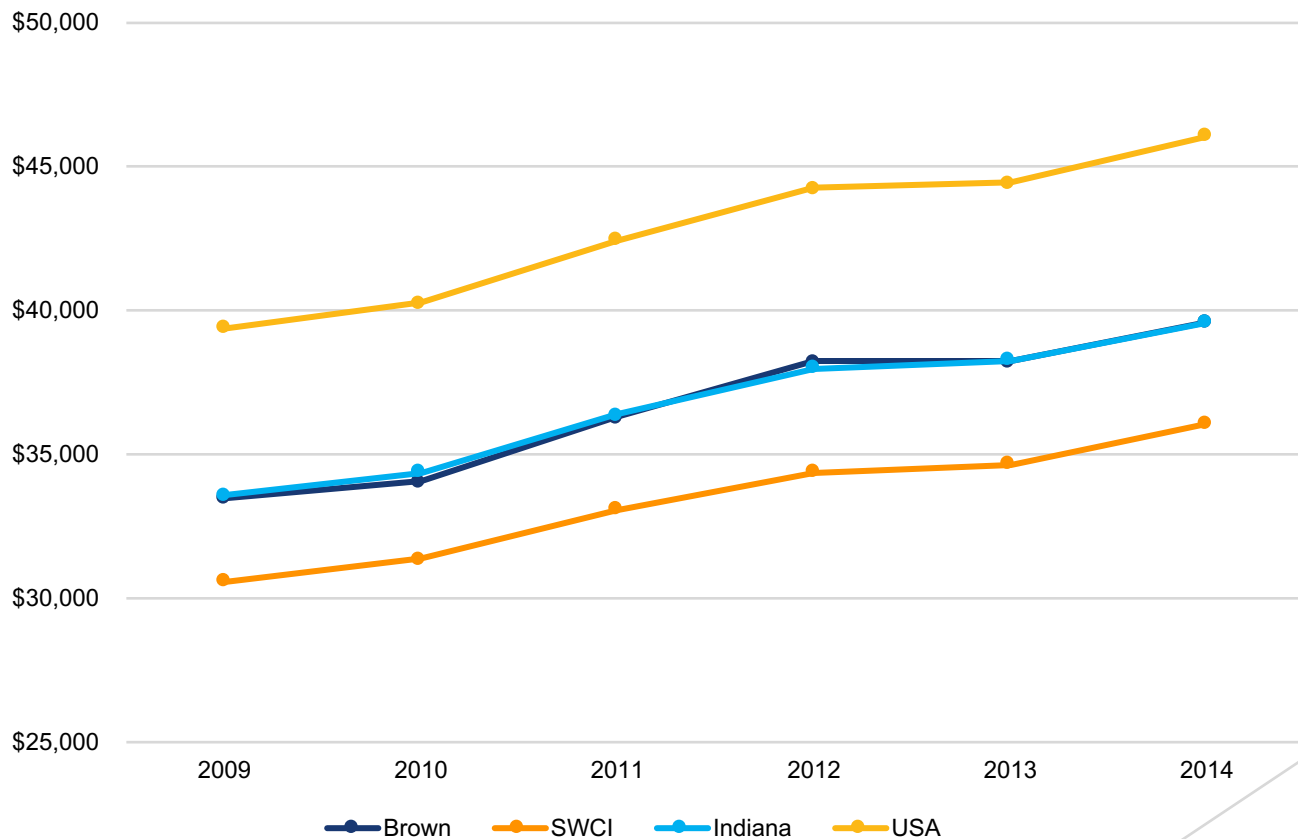
Educational Attainment
in Southwest Central Indiana

▶ Currently, only about **32 percent of our region's 25+ population have attained associates, bachelors, masters, or other advanced degree**.

▶ To achieve the goal of 60 percent post-secondary credentialing by 2025 set by the State of Indiana and Lumina Foundation, **approximately 71,800 more SWCI residents need to complete additional education programs**.

▶ While this data indicates there is a lot of opportunity to address attainment among the current adult population, it also indicates that **we must shift the paradigm for the next generation as well**.

Brown County School Enrollment

	2010-11	2011-12	2012-13	2013-14	2014-15
9th-12th	755	697	667	655	646
6th-8th	457	483	499	510	487
K-5th	887	880	863	874	843

Legend: ■ K-5th ■ 6th-8th ■ 9th-12th

Per Capita Income - Brown County

Education/Workforce Strategies

▶ $10,000,000   College & Career Initiatives in K-12 School Districts

▶ $6,870,000   Career Pathways

                        STEM Education

                        Experiential Learning

                        Career Education & Awareness

                        Higher Education Access & Relevancy Analysis

                        Out of School Time

                        K-12 Entrepreneurship

A Data-Driven Approach
Occupational Needs Assessment

▶ Life sciences, national security and defense, advanced manufacturing sectors.

▶ Topics to include, but not limited to: number of employees, expected growth, workforce availability, job-specific skills, turnover, recruitment activities, training opportunities and needs, competition for talent, community assets that help in hiring, community limitations, etc.

▶ First step in developing education and workforce strategies specific to the needs of actual employers in our region.

ONA Early Findings – Advanced Manufacturing

Automotive/Heavy Equipment, Food Processing, Furniture, and Transportation

Total Jobs in Region – 13,498

Dubois, Daviess, Lawrence, Monroe, Washington

Location Quotient:

Motor Vehicle Transmission and Power Train Parts Manufacturing	17.2
Wood Office Furniture Manufacturing	139.6

In-Demand Positions: Team Assemblers
Maintenance Technicians
Electricians
Machinists

Knowledge	Skills	Abilities
Production and Processing	Coordination	Oral Comprehension
Engineering and Technology	Quality Control Analysis	Written Comprehension
Mathematics	Operation Monitoring	Manual Dexterity
Building and Construction	Critical Thinking	Arm-Hand Steadiness
Design	Time Management	Near Vision
Mechanical	Trouble Shooting	Reaction Time
	Monitoring	Control Precision

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ONA Early Findings - Defense

Total Jobs in Region – 8,439

Martin, Monroe, Lawrence, Daviess, Greene &Orange counties

Location Quotient:

Federal Government, Civilian, Excluding Postal Service	1.78
Power and Communication Line and Related Structures Construction	1.40

In-Demand Positions: Electrical Engineers
Computer Engineers
Computer Technicians

Knowledge	Skills	Abilities
Computer and Electronics	Reading Comprehension	Written Comprehension
Engineering and Technology	Complex Problem Solving	Written Expression
Mathematics	Writing	Oral Comprehension
Physics	Active Listening	Problem Sensitivity
Design	Speaking	Visualization
Mechanical	Critical Thinking	Near Vision
	Trouble Shooting	

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ONA Early Findings – Life Sciences

Total Jobs in Region – 5,882
Monroe & Owen Counties

Location Quotient:

Surgical and Medical Instrument Manufacturing	32.60
Pharmaceutical Preparation Manufacturing	6.18

In-Demand Positions: Engineers
Team Assemblers
Software Developers
Regulatory Specialists

Knowledge	Skills	Abilities
Production and Processing	Coordination	Oral Comprehension
Education and Training	Speaking	Oral Expression
Engineering and Technology	Critical Thinking	Written Comprehension
Mathematics	Monitoring	Written Expression
Computers and Electronics	Writing	Problem Sensitivity
Mechanical	Active Listening	Visualization
Chemistry	Complex Problem Solving	Deductive Reasoning
Science	Active Learning	

Pilot Graduation and Career Coaching Initiative

Eight graduation and career coaches will work in the nine highlighted school districts in the 2016-17 academic year.

Pilot Graduation and Career Coaching Initiative

Aimed at **improving graduation** rates and **preparing students for pathways** into technical certifications, associate degrees, and other postsecondary degree programs.

▶ Individualized **high school completion plans**, including ensuring students **attend school, arrive on time, fulfill academic requirements** and graduate with a high school diploma.

▶ **Career learning activities** such as internships, mock interviews, financial literacy development, soft skill training, and college or industry visits.

Applied Research Institute

Ian Steff and Melissa Roberts

Applied Research Institute (ARI)

- ARI is a key pillar of the *Strategic Plan for Economic and Community Prosperity in Southwest Central Indiana* enabled by an initial grant of $16.2 million from the Lilly Endowment.

- The ARI – now in the early stages of formation – will consist of academia, industry, federal laboratories, and government stakeholders committed to advancing technology and fostering talent in strategic sectors poised for growth.

- The ARI will perform corporate-sponsored research and pursue major federal grants and contracts in areas participants' technical strengths overlap and complement one another. All of these areas represent emerging and fast-growing markets valued in the billions of dollars.

ARI talent and shared infrastructure

- ARI will bring together endowed chairs, eminent scholars, nationally recognized research scientists, and technical experts from global industry to transfer ideas from the labs to products consumers demand.

- Initially, core ARI technical focuses include multi-spectral data fusion and security (cyber), high density power storage and management, advanced material science, and microelectronics technology and security.

- Access to shared infrastructure will foster technology transfer and equip researchers with the tools they need to develop breakthrough technologies. Participants will leverage leading-edge infrastructure from across the ARI network, including universities, the Battery Innovation Center, West Gate Academy, and over $4.5 billion worth of leading edge laboratories, equipment, and infrastructure at NSWC Crane.

ARI regional economic benefits

- Public-private partnerships are an intrinsic part of any strategy to foster economic growth and enable collaboration among key stakeholders aiming to cooperate on shared interests.

- As the ARI's central hub, Southwest Central Indiana is poised to attract industry technology leaders from across the state and nation to conduct joint applied research alongside regional stakeholders. Beyond their direct financial commitment to ARI in terms of cost share on projects, industry stakeholders will send employees to the hub to participate in reviews of programs, meet with partners, and utilize shared infrastructure.

- Industry and university stakeholders often increase capital expenditures and/or R&D investments in the region surrounding the hub to more quickly transfer technology into commercial product lines and to take advantage of a well-trained workforce equipped with tacit knowledge from working on projects spearheaded by the institute.

ARI stakeholder advisory group

- ARI's stakeholder advisory group continues to hold formal meetings to stand up the institute. Stakeholders from around the state include universities, companies, and government, including NSWC Crane.

- One of the principal objectives of the stakeholder advisory group is to recommend a legal and organizational structure for the ARI and assist in developing the characteristics of the Board of Directors.

- ARI will leverage resources across the region and state to ensure participants' access to shared infrastructure, cutting-edge equipment, and expertise in multiple disciplines.

- ARI will be a nationally recognized institute and attract major industry support nationwide.

ARI welcomes new industry participants

- Simply put, ARI places Southwest Central Indiana among an elite group of regions across the nation that are home to prestigious public-private partnerships spearheaded by industry leaders. ARI will attract major federal research grants and company support.

- Beyond defense and commercial applications, technologies and talent developed and nurtured under the ARI hold tremendous potential for economic growth and prosperity for the region.

- The ARI stakeholder advisory group welcomes new industry participants that overlap with the core technical areas and other feedback as it continues it's mission.

IU CENTER FOR REGIONAL EXCELLENCE

Planning Grant from Lilly Endowment Inc.

2016

Who we are: Bloomington by the Numbers

- Over 55,000 undergraduate and graduate students
- Over 10,000 degrees each year (over 500 of them doctorates)
- Over 10,000 faculty and staff

Who We Are: Bloomington By Colleges and Schools

- Comprehensive College of Arts and Sciences (sciences, social sciences, humanities)
- Health Sciences: Public Health, Medicine, Nursing, Social Work, Speech and Hearing, Optometry
- Music, Art and Design
- Law, Business, Education, Public and Environmental Affairs, Global and International Studies, and Media
- Informatics and Computing (Intelligent Systems Engineering)

Vision: IU is a strong resource and effective partner to address challenges facing our region

- Harness the research, expertise, teaching, and service of our faculty, staff, and students to solve regional problems in partnership with local leaders and communities

- Align our operational and functional areas to support these efforts

- Priorities identified in region by communities

Outcomes:

- Improve lives and opportunities for the people in the SWCI Region
  - Build durable and robust partnerships with regional communities
  - Support and complement efforts of other regional organizations
  - Develop scalable, evidence-based, and exportable approaches to issues challenging rural communities
  - Educate and mobilize IU student volunteer force

Approach: Six Focus Areas

- Health and Wellness
- Sustainable Communities and Environment
- Capacity Building and Leadership Development
- Educational Attainment
- Culture and the Built Environment
- Entrepreneurship and Economic Development

Health and Wellness

- Assets & Projects:
  - Regional Academic Health Center and IU Health Hospital
  - Addiction and Health Disparities
  - Health Professional Leadership Development
 - Technology and Designed Health Solutions
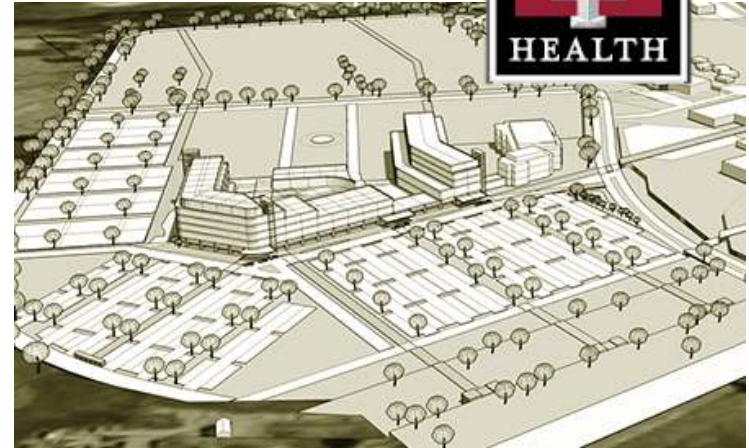
Health and Wellness

- IU Team Members:

  Clinical Health Providers

  - Schools of Medicine, Nursing, Social Work
  - School of Optometry
  - Speech and Hearing Sciences

- Researchers, Trainers, Device and Program Design

  - School of Public Health
  - Intelligent Systems Engineering
  - Psychological and Brain Science, Sociology, Geography
  - Kelley School of Business
  - Maurer School of Law
  - School of Public & Environmental Affairs
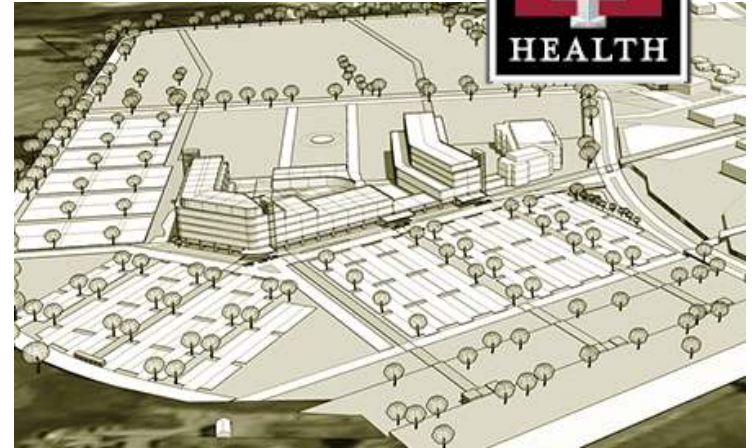
Health and Wellness

- Possible Priorities
    - Population health: addiction and substance abuse; obesity and diabetes; infant mortality; tobacco use; behavioral health; and chronic disease
    - Professional development for recruitment and retention of health professionals
    - Inter-sector leadership development
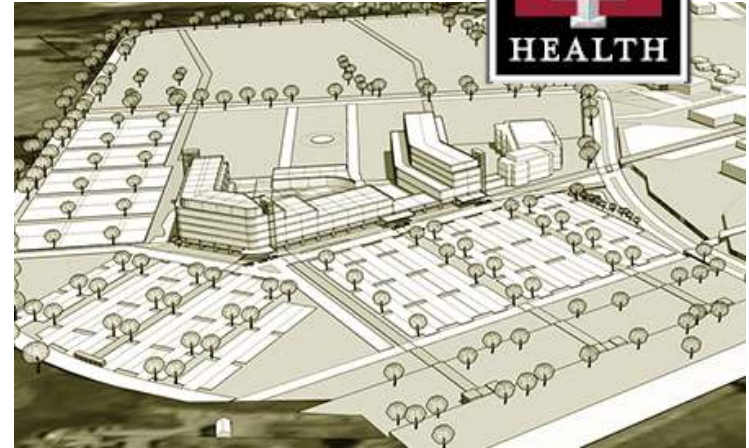
Sustainable Communities and Environment

- Potential Projects:
    - Sustainable Communities (via EPIC-N)
    - Sustainable Cities Initiative
    - Partnership for Sustainable Communities
    - Sustainable Agriculture
    - Sustainable Water Resources and Water Quality
    - Sustainable Natural Areas, particularly parks

Sustainable Communities and Environment

- IU Team Members:
  - Office of Sustainability
  - School of Public and Environmental Affairs
  - Kelley School of Business
  - Maurer Conservation Law Clinic
  - Natural and social sciences
  - Eppley Institute for Parks and Public Lands
  - School of Public Health
  - Ostrom Workshop on Political Theory
  - IU Purchasing

Capacity Building and Leadership Development

- Potential Projects:
  - Leadership Development Within and Across Sectors (Health, Government, Nonprofits, Business, Media)
  - Capacity and Infrastructure Building

Capacity Building and Leadership Development

- IU Team Members:
  - Kelley School of Business
  - Maurer School of Law
  - School of Public Health
  - Eppley Institute
  - School of Public and Environmental Affairs
  - School of Education
  - Ostrom Workshop
  - Media School

Educational Attainment

- Potential Projects:
  - Educational Leadership Academy (school leadership development)
  - Curriculum connection to IU resources (museums, performances, technology, music)
  - Assistance in enrolling in 21st Century Scholars Program
  - Assistance in college portfolio development through the electronic Coalition Application

Educational Attainment

- IU Resources:
  - School of Education
  - Kelley School of Business
  - IU Arts & Humanities Council
    - IU Museums, Theatres, Performances
  - Jacobs School of Music
  - Office of the Vice Provost of Enrollment Management
  - Office of the Vice Provost of Undergraduate Education
  - Office of the Vice Provost of Graduate Education

Culture and the Built Environment

- Potential Projects:
  - Make our cultural resources broadly accessible
  - Built environment and IU's pending Architecture Program in Columbus, Indiana
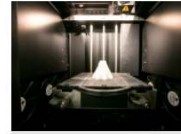
Culture and the Built Environment

- IU Team Members:
  - School of Art and Design
  - IUB Arts & Humanities Council
  - College of Arts & Sciences
  - School of Public & Environmental Affairs

Entrepreneurship and Economic Development

- Potential Projects:
    - Interdisciplinary Design Facility
    - Innovation Incubator Facility for student business concepts

3D Printers

Laser Cutters

Electronics Lab

Machine Shop

Wood Shop
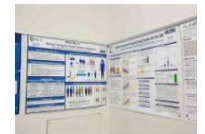
Wet Lab

Work Tables
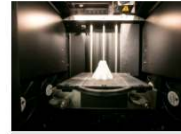
Meeting Rooms

Supplies

Tools

Software

Printing

Entrepreneurship and Economic Development

- IU Team Members:
  - Kelley School of Business
  - Maurer School of Law
  - Intelligent Systems Engineering
  - School of Art & Design
  - School of Public and Environmental Affairs

3D Printers | Laser Cutters | Electronics Lab | Machine Shop
Wood Shop | Wet Lab | Work Tables | Meeting Rooms
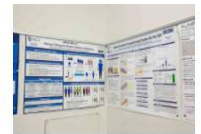Supplies | Tools | Software | Printing

What are your priorities for work with IU?

Regional Opportunity Fund

Tina Peterson

Regional Opportunity Fund

▶ Advance a **sense of regionalism** and foster a **high-value quality of place**.

"A place to live, work, play and learn"

Regional Opportunity Fund

▶ Identity: Developing a regional brand.

Regional Opportunity Fund

▶ Understanding key opportunities along I69 and at interchanges.

Regional Opportunity Fund

▶ Grants: Quality of Life.

"Enhanced quality of life"

Contact Information

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