The development of the City of Bloomington Sustainability Action Plan involved significant effort by the entire community. The City of Bloomington Department of Economic and Sustainable Development would like to thank everyone who contributed to this initiative.

Mayor's Office, for demonstrating unwavering support

Gnarly Tree Sustainability Institute, for leading the plan development process:

Stephanie Hayes Richards, managing principal
Dr. Kenneth Richards, consultant
Terry Amsler, facilitator
Marla Cherney, research associate
Steve Chybowski, research associate
Mark Levin, facilitator
Logan Pfeiffer, research associate
Nan Stager, facilitator

IU School of Public and Environmental Affairs, for allowing student volunteers to provide background research, benchmarking, and support for public engagement efforts:

David Culler, facilitation
Sarah Garcia, facilitation
Farhana Z. Khan, research assistant
Sonja Meintsma, research assistant
MaCié Moore, research assistant
Daphney Richemond, research assistant

IU Political and Civic Engagement program, for providing public engagement consultation and facilitation assistance and providing student volunteers to support public engagement efforts:

Dr. Lisa Marie Napoli, associate director
Allissa Aardema, facilitator

Advisory Board Members, who provided constructive comments and guidance throughout the planning process:

Kelly Boatman, Principal at Core Projective, LLC
J.D. Boruff, Facilities
Steve Cotter, Natural Resources Manager, Parks and Recreation
Alex Crowley, Economic and Sustainable Development
Nolan Hendon, Conservation and Energy Resource Manager, City of Bloomington Utilities
Vic Kelson, Director, Utilities Department
Amelia Lewis, Long Range Planner, Planning and Transportation
Lew May, General Manager, Bloomington Transit
Tom McGlasson, Jr., Executive Director, Monroe County Solid Waste Management District
Andrew Predmore, Director, IU Office of Sustainability
Linda Thompson, Senior Environmental Planner, Planning and Transportation
Jeffrey Underwood, Controller
Adam Wason, Director, Public Works
Gwen White, Co-Chair, Bloomington Commission on Sustainability

Working Group Members, who generously gave of their time to provide substantial public feedback on community sustainability issues:

Climate, Energy, and the Built Environment
Anees Azzouni, Energy Consultant
Darrell Boggess, Solar Indiana Renewable Energy Network (SIREN)
Cynthia Bretheim, Bloomington Commission on Sustainability

Nolan Hendon, Conservation and Energy Resource Manager, City of Bloomington Utilities
Alex Jorck, Monroe County Energy Challenge
Erin Kunkel, Cook Medical
Molly O'Donnell, Unitarian Universalist Church
Chris Reinhart, Cripe Architecture
Nejla Routsong, Ivy Tech
Loren Stumpner, Stumpner Building Services
Andrea Webster, IU Environmental Resilience Institute
Ryan Zaricki, Whole Sun Designs

Environmental Quality and Natural Systems

Steve Cotter, Bloomington Parks and Recreation
Amanda Figolah, Monroe County Community School Corporation
Kathy Gutowsky, Green Camino
Anil Joshi, Baxter
Kriste Lindberg, City of Bloomington Utilities
Michael Litwin, Environmental Commission
Mike McAfee, Visit Bloomington
Jana McGee, Bloomington Commission on Sustainability
Tom McGlasson, Jr., Monroe County Solid Waste Management District
Vicky Meretsky, IU School of Public and Environmental Affairs
Melinda Seader, Worldwide Automotive
Linda Thompson, Bloomington Planning and Transportation
Elizabeth Tompkins, Bloomington Parks and Recreation

Local Food and Agriculture

Angela Babb, Indiana University
Brandon Bartley, Hoosier Hills Food Bank
Ryan Conway, Fable Farms Indiana
Jodee Ellett, Purdue University Extension Office
John Galuska, Grown in Town Farmstead

Larry Howard, Maple Valley Farm and Harvest Partners
Hattie Johnson, Monroe County Community School Corporation
Janice Lilly, Healthful Food for All
Teddie Phillippson-Mower, Bloomington Commission on Sustainability
Whitney Schlegal, Marble Hill Farm
Kiran Singh, Bloomington Farmers Market SPEA Fellow
Stephen Stall, Rising Moon Acres
Steve Thomas, Monroe County United Ministries
Marcia Veldman, Bloomington Parks and Recreation
Pam Weaver, Bloomington Commission on Sustainability
Sheryl Woodhouse Keese, Bloomington Commission on Sustainability

Transportation

Martin Bentley, Go Express
Elaine Caldwell Emmi, Friends Committee on National Legislation
Patrick Martin, Metropolitan Planning Organization
Perry Maull, IU Campus Bus
Lew May, Bloomington Transit
Rutu Patel, SPEA Masters student
Beth Rosenbarger, Bloomington Planning and Transportation
James Rosenbarger, Architect
Kevin Whited, IU Transportation Demand Management Coordinator

Appendix A

The following buildings in the Bloomington community are certified to green building standards.

Certification Program	Total no. of buildings certified to standard
LEED for Homes	4
Crawford Apartments Phase 2 (Platinum Certified – 91 points) – March 2018	
Crawford Apartments (Platinum Certified – 91 points) – October 2013	
Gulyas Residence (Platinum Certified – 101 points) – October 2010	
Overlook Residence (Gold Certified – 76 points) – October 2009	
LEED for New Construction	13
IU Assembly Hall Addition (Gold Certified – 61 points) – March 2018	
IU Forest Quad Dining Hall (Silver Certified – 47 points) – May 2016	
IU Global and International Studies Building (Gold Certified – 62 points) – January 2016	
Hoosier Energy Headquarters (Gold Certified – 63 points) – April 2015	
IU Southeast Side Apartments (Gold Certified – 60 points) – June 2014	
IU Jacobs School of Music North Studio (Gold Certified – 40 points) - April 2014	
IU Tulip Tree Apartments Renovation (Silver Certified – 53 points) – March 2014	
IU Cyberinfrastructure Building (Gold Certified – 74 points) – July 2013	
IU Multidisciplinary Science Building (Silver Certified – 38 points) – May 2013	
Verizon Wireless (Gold Certified – 63 points) – September 2012	
IU Incubator (Silver Certified – 37 points) – December 2009	
IU Biology Teaching Preserve (Silver Certified – 36 points) – November 2009	
Von Lee Theater (Certified – 26 points) – December 2008	

Appendix A, continued

Certification Program	Total no. of buildings certified to standard
LEED for Existing Buildings	1
Showers Building - City Hall (Silver Certified – 47 points) – November 2012	
Energy Star Office	1
Monroe County Community School Corporation Administration Building (79 points) – January 2012	
Energy Star K-12 School	13
Arlington Heights Elementary School (90 points) – January 2012	
Binford Elementary School (88 points) – January 2012	
Bloomington High School North (79 points) – January 2012	
Bloomington High School South (88 points) – January 2012	
Childs Elementary School (80 points) – January 2012	
Clear Creek Elementary School (90 points) – January 2012	
Fairview Elementary School (91 points) – January 2012	
Grandview Elementary School (85 points) – January 2012	
Highland Park Elementary School (89 points) – January 2012	
Jackson Creek Middle School (80 points) – January 2012	
Templeton Elementary School (75 points) – January 2012	
Tri-North Middle School (87 points) – January 2012	
Unionville Elementary School (94 points) – January 2012	

Appendix A, continued

Certification Program	Total no. of buildings certified to standard
Energy Star Retail Store	3
Target (84 points) - July 2014	
(Former) Sears Store 2820 (85 points) – January 2012	
Kohl's 10519 (77 points) – January 2008	
Energy Star Supermarket/Grocery Store	4
Kroger Central Store 960 (98 points) – January 2013	
Kroger 02100091 (82 points) – January 2012	
Kroger Central Store 900 (95 points) – January 2012	
Kroger Central Store 928 (94 points) – January 2012	
Energy Star Worship Facility	
Unitarian Universalist Church of Bloomington (100 points) – December 2017	1
Energy Star Courthouse	
Curry Building (93 points) – December 2015	1

Appendix B

Walk Scores of Bloomington neighborhoods

Name of Neighborhood *in alphabetical order*	Walking Score	Transit Score	Area of Town
Arden Place	21	25	SE
Arlington Valley	39	24	NW
Ashwood	7	23	SE
Autumn View	10	22	SW
Barclay Gardens	35	24	SE
Bentley Court	12	27	SE
Bittner Woods	52	29	SE
Blue Ridge	1	14	NE
Broadview	18	22	SW
Bryan Park	61	32	SE
Crescent Bend	7	22	NW
Crestmont Residential Community	19	25	NW
Eastern Heights	15	27	NE
Eastside	50	31	SE
Elm Heights	75	41	SE
Evergreen Village	9	22	SW
Fritz Terrace	9	22	NW
Garden Hill	72	32	NE
Gentry Estates	9	25	SE

continued next page

Appendix B, continued

Name of Neighborhood *in alphabetical order*	Walking Score	Transit Score	Area of Town
Grandview Hills	*26*	*29*	*NE*
Green Acres	*61*	*33*	*NE*
Hearthstone	*6*	*21*	*SE*
Highland Village	*36*	*20*	*SW*
Highpoint	*82*	*35*	*NE*
Hoosier Acres	*34*	*30*	*SE*
Hyde Park Village	*41*	*27*	*SE*
Longwood-Devon	*21*	*27*	*SE*
Maple Heights	*69*	*30*	*NW*
Matlock Heights	*29*	*22*	*NE*
McDoel Gardens	*58*	*32*	*SW*
Moss Creek Village	*27*	*23*	*SE*
Near West Side	*68*	*33*	*NW*
North Kinser Point	*0*	*16*	*NW*
Northwood Estates	*3*	*17*	*NW*
Old Northeast	*79*	*38*	*NE*
Park Ridge	*47*	*30*	*NE*
Park Ridge East	*22*	*27*	*NE*
Peppergrass	*20*	*23*	*SE*
Pigeon Hill	*44*	*28*	*NW*

Appendix B, continued

Name of Neighborhood *in alphabetical order*	Walking Score	Transit Score	Area of Town
Pinstone	41	23	SE
Prospect Hill	65	35	SW
Rockport Hills	6	21	SW
Saint James Woods	10	27	SE
Sherwood Oaks	14	25	SE
Sixth and Ritter	33	27	NW
Somax	23	28	SE
South Griffy	2	13	NE
Southern Pines	8	20	SW
Spicewood	7	22	SE
Sunflower Gardens	8	19	SW
Sunny Slopes	40	24	SE
Sycamore Knolls	22	23	SE
Timber Ridge	54	24	SE
Trail View	66	30	NW
Walnut Creek	34	23	SE
Waterman	25	26	NW
West Pointe	23	26	SW
Woodlands-Windingbrook	5	22	SE

Appendix C

Additional Information on Actions to Reduce GHG Emissions for City Operations

To achieve a 12 percent reduction in GHG emissions from municipal buildings and operations by 2023, the City will need to reduce energy use in the sectors outlined below. To create a small buffer for achieving these goals, the City could strategically plant approximately 1,000 trees of a species with high capacity for CO_2 absorption, create low-mow lawns, and restore native habitats on city properties with the intent to offset approximately 40 tons of CO_2 emissions.

This calculation assumes per U.S. EPA data that each urban tree planted absorbs .043 short tons CO_2.
See https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references and
https://www.eia.gov/tools/faqs/faq.php?id=7&t=11

Proposed CO2 Emissions Reductions by Government Sector through 2023