

# Green Umbrella 2016 Progress Report

## Highlights of Regional Environmental Sustainability Accomplishments



***2020 Goal exceeded early:* 18% increase in acreage of protected greenspace since 2013 (10% over goal)  
New goal to increase protected greenspace in our 10-county region by an additional 8,000 acres by 2020**



**39% increase in points of access to local food for all residents since 2013  
55% increase in farmers' markets since 2013**



**8.5% reduction in residential energy consumption (kBtu per capita) since 2011  
24% reduction in commercial energy consumption (kBtu per \$1,000 GDP) since 2013**



***2020 Goal met early:* 20% increase in participation in outdoor organizations / activities since 2011  
New goal to increase participation in outdoor recreational and education activities by 25% by 2020**



**15% increase in number of passenger miles traveled through public transits since 2013  
15% increase in number of people commuting via rideshare since 2013**



**9% reduction in tons landfilled since 2009  
10% reduction in tons landfilled per capita since 2009**



**25% increase in number of water quality monitoring volunteers since 2012  
9% increase in number of water clean-up volunteers since 2012**

<b>GREENSPACE</b>		<b>BY 2020: Increase the amount of protected greenspace by 8,000 acres.</b>									
<b>Action Team Chairs</b>		Jason Brownknight, Brownknight EcoResource, LLC - jason@brownknighteco.com Bret Henninger, Great Parks of Hamilton County - bhenninger@greatparks.org									
<b>Measuring progress:</b> We see an increase in acreage of protected greenspace. (Original goal: 8% increase in 8-county region, already achieved 18%)		<b>2013</b>	<b>2016</b>								
		(baseline)	(actual)								
		76,626	90,550								
<b>Measuring progress:</b> We see an increase in acreage of protected greenspace. (New increased goal: 8k acres in 4 years in 10-county region)			<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>				
			(baseline)	(goal)	(goal)	(goal)	(goal)	(goal)			
			101,580	103,580	105,580	107,580	109,580				
<b>LOCAL FOOD</b>		<b>BY 2020: Double the percent of fruits and vegetables sourced and consumed within our region.</b>									
<b>Action Team Chairs</b>		Vickie Ciotti, Civic Garden Center - vciotti@civicgardencenter.org Marian Dickinson, Montgomery Farmers' Market - mariandickinson1@gmail.com									
<b>Measuring progress:</b> We see an increase in points of access to local food for all residents (markets taking WIC/EBT, farms, community gardens, CSAs).		<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>		
		(baseline)	(actual)	(actual)	(actual)	(goal)	(goal)	(goal)	(goal)		
		203	219	228	283	290	310	330	350		
<b>Measuring progress:</b> We see an increase in farmers markets.		<b>2013 (actual)</b>	<b>2014 (actual)</b>	<b>2015 (actual)</b>	<b>2016 (actual)</b>						
		38	43	49	59						
<b>ENERGY</b>		<b>BY 2020: Reduce energy consumption in the built environment by 15%.</b>									
		<b>BY 2020: Double the local renewable energy capacity annually.</b>									
<b>Action Team Chairs</b>		Jeremy Faust, Viox Services - faustDC@gmail.com Beth Robeson, Robeson Marketing - beth@robesonmarketing.com									
<b>Measuring progress:</b> We see a decrease in kBtu per capita (residents).		<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
		(baseline)	(actual)	(actual)	(actual)	(actual)	(original goal)	(original goal)	(original goal)	(original goal)	(original goal)
		32,799	31,520	30,766	31,235	29,997	30,064	29,517	28,970	28,423	27,879
<b>Measuring progress:</b> We see an increase in total renewable energy capacity installed (in megawatts).		<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
		(baseline)	(actual)	(actual)	(actual)	(actual)	(to date)	(goal)	(goal)	(goal)	(goal)
		3.163	6.127	2.120	0.964	0.685	0.649	1.298	2.596	5.192	10.384
<b>Measuring progress:</b> We see a decrease in kBtu per \$1,000 GDP (commercial).		<b>2013 (actual)</b>	<b>2014 (actual)</b>	<b>2015 (actual)</b>	<b>2016 (actual)</b>						
		644	499	492	728						
<b>OUTDOOR</b>		<b>BY 2020: Increase participation in recreational and educational activities, events and venues that get people outdoors into nature by 25%.</b>									
<b>Action Team Chairs</b>		Ellen Berninger, Cincinnati Health Department - ellen.berninger@cincinnati-oh.gov Owen Nyswonger, REI - onyswon@rei.com Kim Whitton, Great Parks of Hamilton County - kwhitton@greatparks.org									
<b>Measuring progress:</b> We see an increase in participation in outdoor organizations and their activities based on our "Top 5" measured organizations.		<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
		(baseline)	(actual)	(actual)	(actual)	(actual)	(actual)	(goal)	(goal)	(goal)	(goal)
		1,664,103	1,825,603	1,949,267	1,959,954	1,962,883	2,015,319	2,033,457	2,051,758	2,070,224	2,088,856

<b>TRANSPORTATION</b>		<b>BY 2020: Reduce the consumption of gasoline and diesel as motor fuels by 20%.</b>									
<b>Action Team Chairs</b>		Travis Miller, OKI - tmiller@oki.org Erika Fiola, Cincinnati USA Regional Chamber - efiola@cincinnatiachamber.com									
<b>Measuring progress:</b> We see a decrease in the annual gallons of gasoline and diesel fuel sold in the tri-state region (in thousands).	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
	(baseline)	(actual)	(actual)	(actual)	(actual)	(goal)	(goal)	(goal)	(goal)	(goal)	
	630,672	612,458	607,265	622,014	686,759	650,000	612,000	575,000	538,000	504,500	
<b>Measuring progress:</b> We see an increase in number of passenger miles traveled through public transits.	2013 (actual)				2014 (actual)			2015 (actual)			
	106,086,636				114,328,948			122,458,792			
<b>Measuring progress:</b> We see an increase in the number of people commuting via carpool.	2013 (actual)				2014 (actual)			2015 (actual)			
	2,406				2,589			2,765			
<b>WASTE REDUCTION</b>		<b>BY 2020: 33% reduction of waste going to landfills.</b>									
<b>Action Team Chairs</b>		Elena Pfarr, Macy's - elena.pfarr@macys.com Lauren Campbell-Kong, Brainbox - lcampsoup@gmail.com									
<b>Measuring progress:</b> We see a reduction in tons landfilled.	2009	2012	2013	2014	2015	2016	2017	2018	2019	2020	
	(baseline)	(actual)	(actual)	(actual)	(actual)	(goal)	(goal)	(goal)	(goal)	(goal)	
	2,128,333	1,852,629	1,871,994	1,936,009	1,932,865	1,681,000	1,617,000	1,553,000	1,489,000	1,425,983	
<b>Measuring progress:</b> We see a reduction in tons landfilled per capita (in lbs/person/day).	2009			2010	2011	2012	2013	2014	2015		
	(baseline)			(actual)	(actual)	(actual)	(actual)	(actual)	(actual)		
	5.78			5.32	5.43	5.08	5.10	5.27	5.22		
<b>WATERSHED</b>		<b>BY 2020: Protect, enhance and celebrate all streams, rivers and other water resources by making a measurable improvement in 75% of watersheds in the region.</b>									
<b>Action Team Chairs</b>		Emily Imhoff, Thomas More College - imhoffe@thomasmore.edu John Mangan, jmangan1966@gmail.com									
<b>Measuring progress:</b> We maintain and when feasible, increase the number of water quality monitoring volunteers.	2012	2013	2014	2015	2016						
	(baseline)	(actual)	(actual)	(actual)	(actual)						
	202	259	230	242	252						
<b>Measuring progress:</b> We maintain and when feasible, increase the number of water quality monitoring sites.	2012 (actual)		2013 (actual)		2014 (actual)		2015 (actual)		2016 (actual)		
	310		351		355		366		366		
<b>Measuring progress:</b> We see an increase in the # of clean-up volunteers.	2013 (actual)			2014 (actual)			2015 (actual)			2016 (actual)	
	4,860			5,705			5,135			5,289	

**Progress Report Definitions:**

**Baseline:** Starting year data from which measurable goal was calculated

**Actual:** Actual number from data sources

**To Date:** Current year number as of November 2016

**Goal:** Projected number for future year, in order to reach 2020 goal

**Original Goal:** Projected number for future year, even if progress to date has accelerated beyond goal to date