



## Climate Change Adaptation and Resiliency Workshop Understanding Impacts and Developing Strategies to Build a More Resilient Dayton

June 5, 2013 | 8:00am – 4:30pm  
Dayton Convention Center

Workshop Goal: Identify what a changing climate means for City of Dayton officials and staff, and how the City as a whole and as individual departments can take steps to build and maintain an economically vibrant and resilient community.

### Agenda

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8:00 – 8:30	<b>Networking and Breakfast</b>
8:30	<b>Welcome and Introductions</b> Gary Leitzell, Mayor, City of Dayton Tammi Clements, Director, Department of Water
9:00	<b>Why Climate Change Planning Matters for City Infrastructure</b> Gordon Garner, CH2M Hill
9:45	<b>Historical and Projected Climate Trends for the City Of Dayton</b> Daniel Brown, GLISA
10:30	Break
10:40	<b>Climate Change Impacts on Municipalities – Adaptation Across the Region</b> Missy Stults, University of Michigan
11:10	<b>Responding to Heat and Air Quality Threats in the Dayton Area</b> John Paul, RAPCA and Matt Lindsay, MVRCP
11:45	<b>Local Impacts of Climate Change on City Assets – Flood Protection, Water Quality, and Recreation</b> Sarah Hippensteel-Hall and Mike Ekberg, MCD
12:15	<b>Dayton City Manager Remarks and Management Reflection</b> Timothy, Riordon, City Manager, City of Dayton
12:30	<b>Lunch</b>
1:00	<b>Break-out session on local impacts of climate change</b> - Participants will break into small groups to identify and discuss climate change impacts and neighborhoods within the City which are vulnerable to these impacts
1:30	<b>Small group report out</b>



- 2:00 **Break**
- 2:10 **Break-out session on existing and future strategies for adapting to climate change**  
- Participants will break into small groups to discuss what strategies currently exist within the city plans and departments to address the impacts identified in the earlier session and what strategies will be necessary to develop in the future
- 2:40 **Small group report out**
- 3:00 **Group discussion on strategies and ranking priority strategies**  
- Facilitated group discussion to recap the strategies identified in each small group and to begin ranking these strategies using key criteria
- 3:30 **University of Michigan Graduate Student Presentation**
- 4:00 **Commitment to Action and Next Steps**
- 4:30 **Program Closes**



## Dayton Climate Change Adaptation and Resiliency Worksheet June 5, 2013

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### Exercise One: Group Discussion on Systems Likely to be Affected by Climate Change

1. Based on the results of the morning's presentations, what systems within Dayton do you think are currently or could be impacted by weather and long-term climate change?
2. What strategies already exist across the City departments to address these climate change impacts?
3. What outcomes would you like to see as a result of this afternoon's working sessions?

### Exercise Two: System Break-Out Groups – Identifying Impacts

#### Discussion Questions:

1. How is this system likely to be impacted by projected changes in climate across the City?
2. Using the maps, indicate where and what you think could be impacted by projected changes in climate.
3. What impacts cut across multiple departments or could be addressed by cross-departmental approaches?
4. Additional non-climate / non-weather factors currently affect these systems (positively and negatively)?

#### **For the group report out:**

1. Identify the 3 leading impacts of concern for your system
2. Identify areas on the map vulnerable to climate change impacts today and in the future



### **Exercise Three: System Break-Out Groups – Resiliency Strategies**

#### Discussion Questions:

1. What actions are your department, other departments, or the city as a whole taking to prepare for existing and projected future climate related impacts to these systems?
2. What do these systems need in order to adapt to climate change?
3. What neighborhood specific strategies are taking place or are necessary to build a more resilient system?
4. What strategies could the city or your department implement to build a more resilient system?

#### **For the group report out**

1. What are 2 examples of ongoing programs that your group identified?
2. What are 2 potential cross departmental collaborations which could build great resilience in Dayton?

### **Exercise Four: Ranking Resiliency Strategies**

1. In your opinion, what are the top three resiliency strategies identified during today's workshop?  
Include the following criteria in your ranking:
  - a. Social – Will Dayton's citizens be behind this effort? Is this action Equitable?
  - b. Technical – Can this action be implemented from a technical point of view?
  - c. Administrative – Can this action be implemented in a timely matter? Does the City of Dayton have operation control to implement this action?
  - d. Political – Is there political will to implement this action?
  - e. Economic – Is this cost effective? Does funding exist or can it be acquired?
2. What are the top three strategies which the City of Dayton should and can pursue in the next six months to continue building its resilience to climate change adaptation?

### **Exercise Five: Making the Commitment**

1. What next steps will you personally, your department, and/or an interdepartmental team take to help increase Dayton's resiliency?