

Mayor and City Council  
Climate Protection Policy and  
***Building a Sustainable  
Columbia***  
Plan

City of Columbia Council Retreat  
June 4-6, 2009

# City of Columbia

Mayor and City Council Endorses  
U.S. Mayors Climate Protection  
Agreement Modified

Resolution 160-06 A  
Adopted July 17, 2006



# Mayor and Council Climate Protection Policy City of Columbia

The City of Columbia hereby endorses  
the U.S. Mayors Climate Protection  
Agreement to read as follows:

The City of Columbia will strive to meet  
or exceed Kyoto Protocol targets for  
reducing global warming pollution by  
taking actions in our own operations  
and community such as:

# Mayor and Council Climate Protection Policy

1. Inventory global warming emissions....
2. Adopt and enforce land use policies,,,
3. Promote transportation options...
4. Increase the use of clean, alternative energy by...
5. Make energy efficiency a priority...
6. Purchase only Energy Star equipment...
7. Practice and promote sustainable...
8. Increasing the average fuel....
9. Evaluate opportunities to increase pump...
10. Increase recycling rates in City...
11. Maintain healthy urban forests....
12. Help educate the public, schools....

# Mayor and City Council Climate Protection Policy and ***Building a Sustainable Columbia*** Follow Up

*November 24, 2008 Council Sustainability  
Discussion-Additional Information  
Requested:*

1. Cost to Retain Consultant to Develop Sustainability Action Plan
2. Sustainability Director/Coordinator Position
3. Explore Sharing Cost of Sustainability Director with UMC

# Mayor and City Council Climate Protection Policy and **Building a Sustainable Columbia**

## Follow Up

1. Retain Consultant to Develop Sustainable Action Plan:
  - Estimated **\$150k-\$175k (Grant Funding Possible)**
2. Full Time Sustainability Manager Position, ½ FTE Support Staff, Benefits, and Start Up Costs: \$160,000
  - Reports to City Manager
  - Manages City's Facilities Sustainability Plan
  - Monitors, Tracks Energy, GHG and Other Targeted Sustainable Efficiencies
3. UMC Hired Sustainability Coordinator-Interested in Participating with City's Sustainable Efforts
  - [http://sustainability.cf.missouri.edu/resources/taskforce09\\_final.pdf](http://sustainability.cf.missouri.edu/resources/taskforce09_final.pdf)
  - <http://sustainability.cf.missouri.edu/>

# Mayor and City Council Climate Protection Policy and ***Building a Sustainable Columbia***

## Planning Process

### *Current Efforts:*

- ✓ Member of ICLEI-Local Governments for Sustainability
- ✓ Member of ISSP-International Society of Sustainability Professionals
- ✓ Review other Governmental Climate Protection and Sustainability Plans
- ✓ Network with other Cities, Utilities, UMC, and Related Professional Associations
- ✓ Identify Funding Sources, both Federal and Other

# Mayor and City Council Climate Protection Policy and *Building a Sustainable Columbia* Community Wide Planning Process

- Establish *Communitywide Sustainable Work Group*; public, business, and non-profit assist in preparing Community Wide Sustainable Reduction Goals and Action Plan
- Develop Greenhouse Gas (GHG) Reduction Goal
- Develop Energy Reduction Goal
- Develop Other Targeted Sustainable Goals
- Prepare Community Wide Action Plan to Achieve GHG Reduction Goal
- Prepare Community Wide Action Plan to Achieve Energy and Other Targeted Reduction Goals
- Prepare Overall Community Wide Sustainable Action Plan
- Review Green Building Codes; ASHRAE, EPA
- Review and Implement Remaining Climate Protection Points
- Based on Assumption New Sustainability Position would Coordinate
- Measuring Tools Include EPA Portfolio Manager, ICLEI Software or Others

# Mayor and City Council Climate Protection Policy and *Building a Sustainable Columbia* City Facilities Planning Process

- Establish **Internal Sustainable Work Group** that assists in coordinating city sustainable efforts, developing City Facilities Sustainable Action Plan
- Complete Baseline GHG/CO2 Inventory
- Complete Baseline Energy Usage
- Establish Greenhouse Gas (GHG) Reduction Goal
- Establish Energy and Other Targeted Sustainable Goals
- Prepare City Facilities Action Plan to Achieve GHG Reduction Goal
- Prepare City Facilities Action Plan to Achieve Energy and Other Targeted Sustainable Goals
- Prepare Overall City Facilities Sustainable Action Plan
- Complete Self-Assessment of Programs Related to 12 Action Items Listed in Resolution
- Review and Implement Remaining Climate Protection Points
- Prioritize City Building Retrofits

# Mayor and City Council Climate Protection Policy and **Building a Sustainable Columbia** **Organizational and Staffing Chart:**

City Sustainable Efforts



Office of Sustainability  
Internal Sustainable Work Group

IRP



Electric Utility

Community Sustainable Efforts



Communitywide Sustainable Work Group

# Mayor and City Council Climate Protection Policy and **Building a Sustainable Columbia**

## **Funding Options:**

### **Option 1:**

Create City **Office of Sustainability: Estimated \$160,000 Annual Sustainability Manager**  
*½ FTE ASA II Staff Position*

Funded by:

- Contribution from DOE Block Grant-Plant \$250,000 “Seed” Funding
- General Fund Contribution-Average \$100,000
- 1%-4% Savings and Cost Avoidance (Not Until 3<sup>rd</sup> Fiscal Year)
- Grants/Foundations/Other
- 3 Year Sunset-Evaluate Performance and Savings
- Develop Fund Balance that within 5 years sustainable through savings and cost avoidance.
- Office of Sustainability and Departments Share Savings (50/50).
- Pursue Grant Funding for Development of City Facilities Sustainable Action Plan

# Mayor and City Council Climate Protection Policy and **Building a Sustainable Columbia**

## **Funding Options:**

### **Option 2:**

- Retain Consultant to Develop City Facilities Sustainable Action Plan: \$150-\$175,000 (Phase I-Establish Baseline, Phase II-Identify Successes and Future Initiatives/Local Government Goals and Challenges, and Phase III-Develop Sustainability Plan)
- Pursue Grant Funding for Development/Preparation of Sustainable Action Plan
- Integrate Implementation of Sustainable Action Plan into City Operations

# Mayor and City Council Climate Protection Policy and ***Building a Sustainable Columbia***

## City Wide Plan Recommendations:

### ***Council Appoint ***Building a Sustainable Columbia*** Steering Committee:***

- Tasked with Developing Energy, Targeted Sustainable Reduction, and GHG Goals
- Tasked with Reviewing/Recommending Building Codes for Energy and GHG Reductions
- Implementing Public Education and Outreach
- Coordinate Mayor's Climate Protection Policy Efforts with the Energy & Environmental Commission
- Coordinate Building Codes Review with Building Commission

# Mayor and City Council Climate Protection Policy and **Building a Sustainable Columbia** City Facilities Plan Recommendations:

## ***City Manager Appoint Internal Technical Sustainable Work Group:***

- Tasked with Recommending Energy, Targeted Sustainable Reduction, and GHG Goals
- Tasked with Recommending Cost/Benefit and Life Cycle Models
- Assist Sustainable Manager in Development and Preparation of City Facilities Sustainable Plan
- Identify City Sustainable Targeted Programs and Activities
- Staffed and Chaired by Sustainable Manager

# Mayor and City Council Climate Protection Policy and *Building a Sustainable Columbia*

## Suggested Action

- **Create** Office Of Sustainability-3 Year “Sunset”
- **Hire** Sustainability Manager for 3 Year Term
- **Job Description** Combination of Development and Technical Skills
- **Knowing** Position Could “Go Away” may not Affect Quality/Quantity of Applicants
- **Similar Contract** Practices in Columbia/Boone County Health Department and Non-Motorized Program
- **Plant Stimulus** Block Grant “Seed” Funding
- **Actively Seek** Other Grant/Foundation Sustainable Funding
- **Implement** Internal Mechanisms to Track Efficiency Savings and Cost Avoidance
- **Council Appoint City** Sustainable Steering Committee and **City Manager Appoint** Internal Technical Working Group

# Mayor and City Council Climate Protection Policy and *Building a Sustainable Columbia* Desired Plan Outcomes:

Healthy Community

Greenhouse and Efficiency Reductions

- Greater Energy Independence

Cost Savings

# Mayor and City Council Climate Protection Policy and *Building a Sustainable Columbia*

Discussion

Questions?

What roles do you envision for the Energy and Environmental Committee and the Building Codes Commission?

