

Comparison Summary
Mayor's Climate Protection Agreement
And
CLEAN

The Mayor's Climate Protection Agreement is represented by numerals. Activities that support the Agreement are listed.

CPA = US Conference of Mayor's Climate Protection Agreement

CQL = IDEM CLEAN Quality of Life Plan

RCP = Richmond Comprehensive Plan

EAC = Richmond/Wayne County Environmental Awareness Council

1. a. RCP – Sustainability and Conservation – Obj. 2
b. CQL – Goal 1
2. a. RCP – Land Use – Obj. 1, 3, 4
b. RCP – Parks and Recreation – Obj. 2
c. RCP – Housing – Obj. 1, 2, 4, 5
d. RCP – Transportation – Obj. 1, 2
3. a. RCP – Transportation – Obj. 3, 4
b. RCP – Parks and Recreation – Obj. 5
- 4.
5. a. CQL – Goal 2
b. CQL – Goal 3
c. RCP – Sustainability and Conservation – Obj. 2
6. a. CQL – Goal 3
7. a. RCP – Sustainability and Conservation – Obj. 2
8. a. CQL - Goal 1 – Air Emissions – Obj. 1, 2, 3, 4, 5
- 9.
10. a. CQL – Goal 4 – Office Paper – Obj. 1, 2, 3, 4, 5, 6
b. CQL – Goal 5 - Recyclables – Obj. 1, 2, 3, 4
11. a. RCP – Sustainability and Conservation
12. a. EAC – establishment of
b. CQL – City of Richmond Environmental Mission Statement

Comparison of:
U.S. Conference of Mayor's Climate Protection Agreement
And
City of Richmond Plans, Activities

CPA = US Conference of Mayor's Climate Protection Agreement
CQL = IDEM CLEAN Quality of Life Plan
RCP = Richmond Comprehensive Plan
EAC = Richmond/Wayne County Environmental Awareness Council

1. MCP - Inventory global warming emissions in City operations and in the community, set reduction targets, and create an action plan.

RCP – Sustainability and Conservation

Goal: The City of Richmond's future growth will be guided by an overarching philosophy of sustainability. The long term health and stability of the community will be quantified by the well-being of the residents and individuals frequenting the City, the vitality of the economy, and the healthiness of the environment. The pursuance of this philosophy of sustainability will be guided by a group of Richmond's residents brought together expressly for this purpose dedicated to the cause.

Objectives:

2.The City of Richmond will implement policies to improve and promote a healthier environment by...Striving for zero net increase of greenhouse gas emissions.

CQL – Goal 1 – Air Emissions – Reduce Sanitation Department fuel consumption by City owned vehicles by 10%.

Action Plan:

1. Develop baseline fuel usage data during calendar year 2007.
2. Develop and implement administrative procedures for keeping accurate data.
3. Develop and implement preventive maintenance and monitoring programs on all vehicles and equipment to ensure optimal operating condition.
4. Plan routes for trash and recycling trucks to minimize distance traveled.
5. Implement a policy and incentive program to promote more efficient idling, vehicle speed, and shifting practices. Work closely with employees and union representatives. This program will be reviewed and updated annually.

Measurement: Gallons of gasoline, propane, and diesel purchased per month.

2. MCP – Adopt and enforce land-use policies that reduce sprawl, preserve open space, and create compact, walkable urban communities.

RCP – Land Use

Goal – Encourage a variety of coordinated land uses to meet the needs of a diverse and sustainable community with thriving neighborhoods, business areas, and civic places that can provide the opportunity for a wholesome life in a dynamic environment for its residents.

Objectives:

1. Promote the design of new neighborhoods that are based on smart growth guidelines where appropriate and reduce the need to travel long distances to fulfill basic needs.
3. Develop and connect pedestrian and bike connections.
4. Encourage inward redevelopment and reinvestment of older central areas as the City grows outward

RCP – Parks and Recreation

Goal: To enrich the lives of Richmond’s residents and visitors, through providing essential park, greenway, trail and recreation facilities and access. To provide programs, cultural experiences, and community services to enhance the experience of Richmond’s parks and recreation system. To conserve and protect Richmond’s natural environment.

Objectives:

2. Expand the greenways and trails system to connect neighborhoods with parks, commercial uses, schools, and other communities.

RCP – Housing

Goal – Develop and maintain the quality of housing in residential neighborhoods to meet the needs of current and future residents, while increasing and retaining home ownership.

Objectives:

1. Continue to promote housing rehabilitation.
2. Encourage investment in older properties to help maintain their appearance and value.
4. Promote housing maintenance to homeowners and landlords.
5. Promote established neighborhoods as attractive places for people to live.

RCP – Transportation

Goal – Provide for existing and future transportation needs of the City through implementation of transportation improvements that facilitate local motorized and non-motorized movement, minimize the impact of regional traffic, through the city, and facilitate local business access.

Objectives:

1. System-wide – The city will develop a balanced transportation system including a completed motorized and non-motorized network.
2. Safety – Provide and design for pedestrian safety, in the form of well-defined crosswalks and safe, identifiable access to trails, and pathways.

3. MCP – Promote transportation options such as bicycle trails, commute trip reduction programs, incentives for car pooling and public transit.

RCP – Transportation

Goal – Provide for existing and future transportation needs of the City through implementation of transportation improvements that facilitate local motorized and non-motorized movement, minimize the impact of regional traffic, through the city, and facilitate local business access.

Objectives:

3. System-wide – The city will develop a balanced transportation system including a completed motorized and non-motorized network.
4. Safety – Provide and design for pedestrian safety, in the form of well-defined crosswalks and safe, identifiable access to trails, and pathways.

RCP – Parks and Recreation

Goal – To enrich the lives of Richmond’s residents and visitors, through providing essential park, greenway, trail and recreation facilities and access. To provide programs, cultural experiences, and community services to enhance the experience of Richmond’s parks and recreation system. To conserve and protect Richmond’s natural environment.

Objectives:

5. Expand the greenways and trails system to connect neighborhoods with parks, commercial uses, schools, and other communities.

4. MCP – Increase the use of clean, alternative energy by, for example, investing in “green tags,” advocating for the development of renewable energy resources, recovering landfill methane for energy production, and supporting the use of waste to energy technology.

5. MCP – Make energy efficiency a priority through building code improvements, retrofitting city facilities with energy efficient lighting and urging employees to conserve energy and save money.

CQL – Goal 2 – Electricity used for outdoor lighting – Reduce City outdoor electrical use by 10%
Action Plan:

1. Develop baseline data of electricity used for outdoor lighting during calendar year 2007.
2. Develop and implement administrative procedures for keeping accurate data.
3. Work with Richmond Power and Light to determine which outdoor lighting technologies should be adopted for the City at this time.
4. Utilize return on investment (ROI) analysis for more efficient technologies.
5. Implement purchasing policy for the gradual adoption of more efficient technologies.

Possible Actions:

1. Install motion sensors and timers in appropriate locations so that light fixtures are on only when needed.
2. Replace Polychlorinated biphenyl (PCB) containing items with non-PCB equivalents. Use proper labels, personal protective equipment, and dispose of PCB-containing equipment as hazardous waste.
3. Choose equipment labeled with the Energy Star or Energy Guide labels to ensure energy efficiency.
4. Recycle or reuse unwanted electronic equipment or parts. Properly dispose of waste parts as needed.
5. Use LED devices in traffic lights and other appropriate applications.
6. Develop a purchasing policy for procuring Energy Star rated equipment and lighting fixtures.

Measurement:

1. Number of LED stoplights out of the total number of stoplights
2. Number of new energy-efficient fixtures out of the total number of fixtures
3. Kilowatt hours usage each month

CQL – Goal 3- Electricity use in the City Building – Electricity consumption in City Building and Sanitary District Building by 10%

Action Plan:

1. Develop baseline data during calendar year 2007
2. Develop and implement administrative procedures for keeping accurate data.
3. Implement purchasing policy for the gradual adoption of more efficient technologies.

Possible Actions:

1. Install motion sensors and timers in appropriate locations so that light fixtures are on only when needed.
2. Replace Polychlorinated biphenyl (PCB) containing items with non-PCB equivalents. Use proper labels, personal protective equipment, and dispose of PCB-containing equipment as hazardous waste.
3. Choose equipment labeled with Energy Star or Energy Guide labels to ensure energy efficiency.
4. Store used, unbroken bulbs in a container labeled “used florescent bulbs” or “used halogen bulbs” until they can be recycled.
5. Purchase and install high efficiency windows and doors.
6. Turn off and /or unplug office equipment when not in use.
7. Replace T12 florescent fixtures with T8 or T5 fixtures and incandescent bulbs with CFC’s (compact fluorescent) where feasible.
8. Recycle or reuse unwanted electronic equipment or parts. Properly dispose of waste parts as needed.
9. Use LED devices in exit lights and other appropriate applications.

Measurement:

1. Number of retro-fitted fluorescent bulbs (T12 replaced by T8 or T5), motion sensors, LED exit lights kilowatt hour usage each month.
2. Number of electronic devices with Energy Star rating.

RCP – Sustainability and Conservation

Goal: The City of Richmond’s future growth will be guided by an overarching philosophy of sustainability. The long term health and stability of the community will be quantified by the well-being of the residents and individuals frequenting the City, the vitality of the economy, and the healthiness of the environment. The pursuance of this philosophy of sustainability will be guided by a group of Richmond’s residents brought together expressly for this purpose dedicated to the cause.

Objectives:

2. The City of Richmond will implement policies to improve and promote a healthier environment by...employing green building policies.

6. MCP – Purchase only Energy Star equipment and appliances for City use.

CQL – Goal 3- Electricity use in the City Building – Electricity consumption in City Building and Sanitary District Building by 10%

Action Plan:

4. Develop baseline data during calendar year 2007
5. Develop and implement administrative procedures for keeping accurate data.
6. Implement purchasing policy for the gradual adoption of more efficient technologies.

Possible Actions:

10. Install motion sensors and timers in appropriate locations so that light fixtures are on only when needed.
11. Replace Polychlorinated biphenyl (PCB) containing items with non-PCB equivalents. Use proper labels, personal protective equipment, and dispose of PCB-containing equipment as hazardous waste.
12. Choose equipment labeled with Energy Star or Energy Guide labels to ensure energy efficiency.
13. Store used, unbroken bulbs in a container labeled “used florescent bulbs” or “used halogen bulbs” until they can be recycled.
14. Purchase and install high efficiency windows and doors.
15. Turn off and /or unplug office equipment when not in use.
16. Replace T12 florescent fixtures with T8 or T5 fixtures and incandescent bulbs with CFC’s (compact fluorescent) where feasible.
17. Recycle or reuse unwanted electronic equipment or parts. Properly dispose of waste parts as needed.
18. Use LED devices in exit lights and other appropriate applications.

Measurement:

3. Number of retro-fitted fluorescent bulbs (T12 replaced by T8 or T5), motion sensors, LED exit lights kilowatt hour usage each month.
4. Number of electronic devices with Energy Star rating.

7. MCP – Practice and promote sustainable building practices using the U.S. Green Building Council’s LEED program or a similar system

RCP – Sustainability and Conservation

Goal: The City of Richmond’s future growth will be guided by an overarching philosophy of sustainability. The long term health and stability of the community will be quantified by the well-being of the residents and individuals frequenting the City, the vitality of the economy, and the healthiness of the environment. The pursuance of this philosophy of sustainability will be guided by a group of Richmond’s residents brought together expressly for this purpose dedicated to the cause.

Objectives:

2. The City of Richmond will implement policies to improve and promote a healthier environment by...employing green building policies.

8. MCP – Increase the average fuel efficiency of municipal fleet vehicles; reduce the number of vehicles; launch an employee education program including anti-idling messages; convert diesel vehicles to bio-diesel;

CQL - Goal 1 – Air Emissions – Reduce fuel consumption by City-owned vehicles

1. Develop baseline fuel usage data during calendar year 2007.
2. Develop and implement administrative procedures for keeping accurate data.
3. Develop and implement preventive maintenance and monitoring programs on all vehicles and equipment to ensure optimal operating condition.
4. Plan routes for trash and recycling trucks to minimize distance traveled.
5. Implement a policy and incentive program to promote more efficient idling, vehicle speed, and shifting practices. Work closely with employees and union representatives. This program will need to be reviewed and updated annually.

Measurement:

1. Gallons of gasoline, propane and diesel purchased per month.

9. MCP – Evaluate opportunities to increase pump efficiency in water and wastewater systems; recover wastewater treatment methane for energy production;

10. MCP – Increase recycling rates in City operations and in the community:

CQL – Goal 4 – Office Paper – Reduce volume of solid paper waste sent to the landfill by reducing office paper consumption by 10%; increase recycling of office paper by 30%, and by increasing the purchase and use of recycled paper in place of “virgin” paper by 30%

Action Plan:

1. Develop baseline data during calendar year 2007
2. Develop and implement administrative procedures for keeping accurate data
3. Implement purchasing policy for the gradual adoption of more efficient technologies: printers and copiers that can print on both sides with multiple “pages” per page of paper, and can handle recycled paper without maintenance problems.
4. Establish office paper recycling program by 2008.
5. Replace paper with electronic newsletters, billing, and record keeping where feasible. Insure adequate back-ups of electronic documents.
6. Encourage employees to create a minimal number of copies and ensure correct storage of paper documents to minimize damage.

Measurement:

1. Amount of paper purchased
2. Amount of post-consumer recycled paper purchased versus total paper purchased.
3. Proportion of office paper equipment with Energy Star rating

CQL – Goal 5 Recyclables – Increase recycling of aluminum and steel can, #1 and #2 plastics, office paper and newspaper by reducing 30% of solid waste from City Building and Sanitary District Office.

Action Plan:

1. Develop baseline data of amount we currently recycle (excluding paper but including lead-acid batteries, grease, oil, antifreeze, coolants and filters) at the City building and Sanitary District office during calendar year 2007.
2. Develop and implement administrative procedures for keeping accurate data.

3. Develop and implement recycling infrastructure and procedures in the City Building and the Sanitary District Building: waste and recyclables kiosks, pickup schedules and responsibilities, protocols for separation.
4. Implement a program to store and recycle waste lead-acid batteries by 2008.

Measurement:

1. Amount of recyclables collected and diverted from landfill.

11. MCP – Maintain healthy urban forests; promote tree planting to increase shading and to absorb CO₂;

RCP – Sustainability and Conservation

Goal: The City of Richmond’s future growth will be guided by an overarching philosophy of sustainability. The long term health and stability of the community will be quantified by the well-being of the residents and individuals frequenting the City, the vitality of the economy, and the healthiness of the environment. The pursuance of this philosophy of sustainability will be guided by a group of Richmond’s residents brought together expressly for this purpose dedicated to the cause.

Objectives:

2. The City of Richmond will implement policies to improve and promote a healthier environment by...developing an urban forestry program.

12. MCP – Help educate the public, schools, other jurisdictions, professional associations, business and industry about reducing global warming pollution.

EAC – Richmond/Wayne County Environmental Awareness Council – The Council was established to promote awareness and understanding to encourage sustainable use of local resources.

Activities:

1. Luncheons featuring current environmental topics.
2. *Environmentally Speaking* cable tv show – Featuring local efforts in environmental current issues.

CQL – City of Richmond Environmental Mission Statement

Executive Order by City of Richmond Mayor, Sally Hutton:

The City of Richmond, Indiana, is committed to providing a safe, clean, and healthy community for its current and future residents. City leaders are committed to continually improving quality of life and cleanliness of our local environment. The City will publish a comprehensive “State of Richmond Environment” report every third year, with a brief progress report each intervening year. These reports will be available for public review.

The City of Richmond will comply with requirements and voluntary commitments set forth by the Indiana Department of Environmental Management and U.S. Environmental Protection Agency to help ensure all residents, visitors and

corporations in our community have access to clean water, clean air, and green space.

Businesses and organizations will be assisted in making sound environmental decisions in accordance with best available technology and practices at every step of their proceedings.

Our commitment to the environment will be made evident through energy efficiency in all city departments, conservation of fossil fuel resources throughout city and community facilities and services, and pollution-prevention plans for our air, soil, and water.