



City of Bloomington

Environmental Commission

The mission of the Environmental Commission is to promote the stewardship and preservation of the city's environment and natural resources by seeking out and responding to emerging issues, addressing them with sound long-term policy recommendations, and increasing local environmental awareness and engagement.

ENVIRONMENTAL COMMISSION NOTICE and REGULAR SESSION AGENDA

November 20, 2025, 6:00 PM
Hooker Meeting Room #245
City Hall, 401 N Morton Street Bloomington, IN 47404
Hybrid Meeting

Join Zoom Meeting here:

<https://bloomington.zoom.us/j/8657231124?pwd=mPqboSiD0AhVwKSgkuW2aO7NHixihO.1&omn=81563021562>

Meeting ID: 865 723 1124

Passcode: COBPT

or on Community Access Television Service (CATS): <https://catstv.net/government.php>.

Auxiliary aids are available upon request with adequate notice.

Environmental Commission Members

Carrie Albright, Chair

Appointed by Mayor

Term: February 1, 2024 to January 31, 2026

Heidi Brown

Appointed by Mayor

Term: February 1, 2025 to January 31, 2027

Nadia Cain

Appointed by Common Council

Term: February 1, 2024 to January 31, 2026

Matt Caldie, Vice Chair & Treasurer

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Kasie Chappell

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Norman Crampton

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Adam Martinez, Secretary

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Mitchell Owens

Appointed by Common Council

Term: February 1, 2024 to January 31, 2026

David Parkhurst

Appointed by Mayor

Term: February 1, 2024 to January 31, 2026

Vacancies: 1

1. Call to order and quorum confirmation:

2. Introductions and Roll Call

	<u>In Person</u>	<u>Absent</u>	<u>Zoom</u>
Carrie Albright			
Heidi Brown			
Nadia Cain			
Matt Caldie			
Kasie Chappell			
Norman Crampton			
Adam Fudickar			
Shannon Gayk			
Adam Martinez			
Mitchell Owens			
David Parkhurst			
City Liaison, Rachael Johnson			

3. Approval of October 16, 2025 minutes*

	<u>Yes</u>	<u>No</u>	<u>Abstain</u>
Carrie Albright			
Heidi Brown			
Nadia Cain			
Matt Caldie			
Kasie Chappell			
Norman Crampton			
Adam Fudickar			
Shannon Gayk			
Adam Martinez			
Mitchell Owens			
David Parkhurst			

4. Public comment

Limit 5 minutes per person, 20 minutes total

5. New Business

- Name Badges
- Handbook Revision* – Quorums for Working Groups and Full Commission
(Rachael)
- Sustainable Energy Utility capstone project (Matt & Heidi)
- Clean Air Act: Examining the Socioeconomic and Political Drivers of
Enforcement (Nadia)
- Annual Planning Meeting (Carrie)

6. Old Business

- a. Working group updates
 - i. Biodiversity
 - ii. Eco-Heroes
 - iii. ECPC
 - 1. Draft 2026 Schedule
 - iv. Light Pollution
 - v. Special Projects
 - vi. Water Quality

7. Staff Update

8. Reports from:

- a. Tree Commission (TC)
- b. Environmental Resource Advisory Council (ERAC)
- c. Friends of Lake Monroe (FOLM)
- d. Bloomington Commission on Sustainability (BCOS)
- e. Monroe County – Identify and Reduce Invasive Species (MC-IRIS)
- f. Clean Community Program

9. Commissioner announcements

- a. Lawn Mowing “Management” Public Engagement (Norm)

10. Upcoming Meeting

- a. December 18, 2025, 6:00 pm, Hooker Room, Zoom, and CATS

11. Adjournment

** Item to be voted on*

The views expressed here are solely those of the Environmental Commission as approved in their public meetings, and do not necessarily reflect the views, policies, or positions of the City of Bloomington. Only the Office of the Mayor has the authority to issue policy statements on behalf of the Executive Branch of the City of Bloomington.

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As a quorum of the Commission or its committees may be present, this gathering constitutes a meeting under the Indiana Open Door Law (I.C. § 5-14-1.5). For that reason, this statement provides notice that this meeting will occur and is open for the public to attend, observe, and record what transpires.

The City offers virtual options, including CATS public access television (live and tape delayed) found at <https://catstv.net/>. Working group meetings may be found at <https://bton.in/ECWGreco>.



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Term: February 1, 2024 to January 31, 2026

Vacancies: 1

1. Call to order and quorum confirmation: 6:02 PM

2. Introductions and Roll Call

	<u>In Person</u>	<u>Absent</u>	<u>Zoom</u>
Carrie Albright	X		
Heidi Brown	X		
Nadia Cain		X	
Matt Caldie	X		
Kasie Chappell		X	
Norman Crampton		X	
Adam Fudickar	X		
Shannon Gayk	X		
Adam Martinez	X		
Mitchell Owens		X	
David Parkhurst	X		
City Liaison, Rachael Johnson	X		

3. Approval of September 18 2025 minutes*

	<u>Yes</u>	<u>No</u>	<u>Abstain</u>
Carrie Albright	X		
Heidi Brown			X
Nadia Cain			
Matt Caldie	X		
Kasie Chappell			
Norman Crampton			
Adam Fudickar	X		
Shannon Gayk	X		
Adam Martinez	X		
Mitchell Owens			
David Parkhurst			X

4. Public comment

Limit 5 minutes per person, 20 minutes total

Alex Jorck is a member of the Bloomington Commission on Sustainability. They are working on a SPEA capstone project. It involves a municipal electric utility running alongside private utilities as a way to provide 100% clean energy.

The capstone project is to conduct a feasibility study on this type of program in Bloomington. The EC could look at research questions, engage throughout the project, and potentially a recommendation from the EC at the end.

It is expected to happen from January – May 2026, the spring semester at IU.

Alex will send the submitted proposal for the EC to view.

5. New Business

a. Annual Planning Meeting (Carrie)

We expect this to happen at our November meeting. Commissioners are encouraged to bring food for the group. We will review goals from last year and decide what to proceed with in 2026.

b. Handbook Revision* – Quorums for Working Groups and Full Commission (Carrie)

The low quorum limit is causing trouble for larger working groups. The goal is to change the quorum definition to allow larger working group meetings to occur without them becoming a full EC meeting. The group agreed to remove the “minimum of five (5)” from the determination of quorum.

The commissioners decided to not change language around requiring working group membership / participation.

6. Old Business

a. Working group updates

i. Water Quality

The working group spoke with utilities about upcoming changes. Many were about formalizing rules and regulations.

A new state law prevents local governments from regulating erosion controls on sites under one acre.

Driveway culverts are now officially required to be maintained by property owners.

The new design manual is in effect.

Street sweeping routes are being updated.

An IDEM grant is available to handle non-point source water pollution. It could involve Clear Creek or the Cascades Park area.

ii. ECPC

1. Letter to October 23 2025 BZA

The group met twice. The St Remy dam wetland and a future housing development were discussed in the first meeting. In the second meeting the group wrote a letter to bring to the Board of Zoning Appeals. The project is being pushed back to the November meeting.

The shorter alternate route was initially considered but negotiations failed. The HOA does not control the entirety of the pond's edge.

The EC agreed to have ECPC letters attributed to the ECPC specifically rather than the EC as whole.

iii. Light Pollution

The concerning UDO line mentioned in the September meeting was addressed by planning. Lights on private property are indeed regulated, even across a public right of way.

iv. Biodiversity

Bloomington is officially a dues-paying Bee City member. Shannon recommended some sort of public announcement. Carrie may attend a neighborhood association event to spread information about the habitat connectivity map.

Shannon recommended collaborating with neighborhood associations to encourage the use of HAND grants to create rainwater gardens.

Carrie is interested in exploring reaching out to those who add to the Habitat Connectivity Map, perhaps with a newsletter. Existing city newsletters may be an option.

Adam F. recommended making the EC's native plant recommendations more easily accessible from the map.

v. Special Projects

Carrie is looking into updating designs for EC materials.

vi. Eco-Heroes

1. Theme discussion

Adam M.: Kill Your Lawn, or predators

Matt: Native plants and wildlife

Carrie: Something light related (sun, light pollution), birds, "Nature rocks" (geology focused)

Shannon: something around catalogs or archives of living organisms, rewilding

Heidi: What happens at night?

"Nature at Night" (or similar) – seems to be the winner.

7. Staff Update

a. IDEM Notices

Council member Piedmont-Smith asked if the EC gets IDEM public notices. Rachael receives them via Office of the Mayor. Should they be added to the packet? The EC seems interested only in items likely to be of significant importance to Bloomington.

b. Scheduling – December 2025 meeting date

The current scheduled date, Dec 18th, is still planned.

8. Reports from:

a. Tree Commission (TC)

No update.

b. Environmental Resource Advisory Council (ERAC)

Vegetation management has occurred at several city parks. Callery pear reduction is on track. No spotted lanternflies spotted in Monroe. Griffy parking lot will be paved. The powerline trail is to be installed.

- c. Friends of Lake Monroe (FOLM)
Science committee will attend a state-wide meeting.
- d. Bloomington Commission on Sustainability (BCOS)
Approved the capstone project mentioned above by Alex.
Advanced a resolution to add “resilience” to their name, to be voted on next month.
- e. Monroe County – Identify and Reduce Invasive Species (MC-IRIS)
Focusing on specific species next year. Annual meeting is October 17th.
- f. Clean Community Program
No update.

9. Commissioner announcements

There is an upcoming event for all commissioners city-wide on Nov 21st.

Upcoming exhibitions mentioned by Shannon. She also mentioned a conservation author will be at Buskirk-Chumley in November.

Norm is looking into tabling at the farmer’s market in the spring.

10. Upcoming Meeting

- a. November 20, 2025, 6:00 pm, Hooker Room, Zoom, and CATS

11. Adjournment

7:55 PM

** Item to be voted on*

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Handbook of the Bloomington Environmental Commission



November 2025

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I. Mission of the Environmental Commission and Statutory Authority

The mission of the Environmental Commission (EC) is to promote the stewardship and preservation of the City’s environment and natural resources by seeking out and responding to emerging issues, addressing them with sound long-term policy recommendations, and increasing local environmental awareness and engagement.

The Commission actively participates in the city planning process; researches and reports on environmental topics; develops educational outreach activities and materials; responds to inquiries from residents; and coordinates with other municipal boards, commissions, and outside organizations on issues of mutual interest.

The Commission has been granted statutory authority to conduct activities and adopt rules and regulations for the conduct of its business through the City of Bloomington Municipal Code (BMC) 2.12.050.

II. Commission Power and Duties

The Commission shall have the following powers and duties, according to BMC 2.12.050:

- (a) To adopt administrative rules and regulations for the conduct of its business.
- (b) To encourage, conduct, synthesize, and report on studies, investigations, and research relating to emerging issues in Bloomington, and make recommendations to the appropriate

public and private bodies.

- (c) To collect and disseminate information through outreach efforts that encourage engagement and personal commitment to strengthening Bloomington's environmental state.
- (d) To collaborate with all departments and governmental branches of the City of Bloomington concerning the impacts of their operations and policies on the City's environment and natural resources, through the development and distribution of reports, memos, and resolutions.
- (e) To work with City staff to apply for, provide input on, accept, receive, and administer grants or other funds or gifts from public or private agencies for the purpose of carrying out any of the provisions or purposes of this section.
- (f) To cooperate with partners or groups within or outside of Bloomington on matters of environmental well-being such as responsible stewardship of biodiversity, air and water quality, and land use.
- (g) To submit an annual written report to the mayor and the common council.

III. Commissioner Responsibilities

A. Qualifications to Serve on Commission

As stated in the BMC, preference for appointments to the EC shall be given to persons with expertise in environmental fields.

B. Role and Responsibility of Commissioners

Commissioners are expected to advise and participate in the Commission voting process in regard to issues or activities that come before it, fall within the scope of its duties, and assist in the fulfillment of its mission.

Members shall vote on all questions before the commission except in situations where there is a conflict of interest or for other good cause. If a member fails to vote upon any matter, any other member may raise the question and insist that the non-voting member either vote or state the reason for not voting and be excused.

It is the responsibility of Commissioners to attend meetings regularly or provide appropriate and timely notice if unable to attend. Commissioners shall not attend more than fifty percent (50%) of the meetings per year virtually, nor exceed two (2) consecutive meetings virtually.

Commissioners shall review and provide meeting material in advance of a meeting. Commissioners are expected to maintain knowledge of overall City of Bloomington and City Council goals and priorities, along with staying informed on current community-wide environmental issues.

C. Ethical Policy and Expectations

As appointed public representatives, Commissioners must hold themselves to the highest ethical standards when conducting Commission business. Commissioners are expected to make their best efforts to avoid conflicts of interests.

D. Conflicts of Interests

Commissioners are expected to perform their duties in an impartial manner, free of personal interest (economic or otherwise), either directly or through other personal relationships. A conflict of interest can occur if information gained from Commission activities is used for personal gain.

Typically, conflicts of interest are caused by financial interests, occupational concerns, or personal relationships. Commissioners should remove themselves from situations that constitute a conflict of interest. In addition, Commissioners may not accept gifts from lobbyists or anyone doing business with the City of Bloomington, the City Council, or the Commission.

E. Public Positions and Statement Policy

Commissioners shall not conduct themselves independently of the Commission or represent the Commission on anything that has not been voted on by the Commission. This is including but not limited to public statements or distributing material on behalf of the Commission.

When speaking with the media, or submitting public comment, Commissioners should proactively clarify their comments to be those of an individual member of the community and are not on the behalf or representative of the positions of the Commission unless previously approved.

F. Term Limits & Time Commitment

Commissioners shall serve approximately two-year terms. A Commissioner may re-apply to serve an unlimited number of terms.

Commissioners are expected to commit a reasonable amount of time to the Commission. This includes attending and contributing to discussions at monthly public, working group, and ad hoc meetings, or events as they arise. It is also an expectation of commissioners to review materials ahead of time to prepare for each respective meeting.

IV. Commission Officers

A. Chairperson Duties

The Chairperson (Chair) presides over all meetings, including:

- a) Calling meetings to order at scheduled time;

- b) Verifying presence of quorum;
- c) Processing all motions;
- d) Facilitating meetings and keeping track of time;
- e) Conducting meetings in a fair and equitable manner;
- f) Maintaining neutrality to facilitate debate;
- g) Ensuring adherence to rules of order and decorum among members;
- h) Ensuring the work of the Commission maintains consistent with intended mission and purpose, and,
- i) Crafting the Annual Report and presenting it to the City Council and Mayor.

The Chair, unless decided and voted on otherwise, shall be the public representative for the Commission in all matters relating to positions and statements to outside parties. The Chair is the face of the Commission and shall represent the Commission in matters including, but not limited to: public speaking engagements, presenting at City Council and Commission meetings, and moderating city-wide special events.

B. Vice-Chair/Treasurer Duties

The Vice-Chair assumes the role of Chair in their absence. They should also work in collaboration with the Chair to facilitate Commission business. Vice-Chair is responsible for the maintaining and guidance of Environmental Commission Chairs. Any issues not able to be handled at their level may then be escalated to the Chair and/or Steering Committee. As Treasurer, they will keep account of all Commission funds, including evaluating and approving requests for funds by Commissioners and working groups.

C. Secretary Duties

The Secretary takes minutes at meetings, and provides minutes to staff liaison in a timely fashion via email, no later than one (1) week before the next scheduled public meeting. The minutes include record of motions and votes, attendance, and general themes of conversations had, including the names of any guests or members of the public who contribute.

D. Election of Commission Officers

Election of officers is held in February, with new officers' terms beginning in March and lasting one calendar year. Election of commission officers are taken in the order listed in the bylaws: Chair, Vice-Chair/Treasurer, and then Secretary.

A nominating committee will be appointed by the Chair in January. This committee will solicit nominations and present a list of candidates at the February meeting, having determined beforehand that nominees are qualified for and willing to serve. Nominations may also be taken from the floor at the February meeting.

If a meeting is conducted is a hybrid meeting, all votes shall be taken by roll call. If meetings are in person only the elections will be held by secret ballot, to be counted by the Staff Liaison

to the Environmental Commission, or their designee. Elections are decided by majority vote. If there is a tie, the Chair will cast the deciding vote. If the sitting Chair is a candidate for the office involved in a tie, the Vice-Chair will cast the deciding vote. If there is only a single nominee for each office, the entire slate can be elected by acclamation.

V. Commission Meetings

A. Meeting Logistics

The Commission generally meets the third Thursday of each month at 6:00 p.m. in the Showers City Hall, 401 N. Morton Street. Special meetings may be called as necessary. All meetings are open to the public. In addition to discussion of pertinent environmental issues in the City, the Commission is often addressed by guest speakers regarding particular environmental topics.

B. Types of Meetings

Most meetings of the Commission are regular, monthly meetings. However, under extenuating circumstances a special meeting of the Commission may be called. The special meeting must nevertheless have a posted agenda and be accessible to the public. The special meeting should also be noted in the City's online event calendar.

C. Meeting Procedures

Standing rules that govern the Commission and its meetings are contained in the authorizing legislation for the Commission and subsequent updates to that legislation (Ordinances 71-39, 72 35. and 83-6). Commission meetings generally adhere to the following rules:

- a) Meetings follow [Robert's Rules of Order](#).
- b) Meeting agendas may be revised to include new discussion points, presented only by Commissioners, prior to the agenda being voted on for approval by the Commission.
- c) A period of public comment has been established at the beginning of each meeting. During this time, comment may be made on any topic. Public comment on each non-agenda item is generally limited to five minutes per person.
- d) New issues raised by Commissioners or brought to the attention of the Commission by the general public, during the course of the meeting, may be placed on the agenda of the next regular, monthly Commission meeting.
- e) A Commissioner may also suggest agenda topics by contacting a member of the Steering Committee. During discussion at the subsequent meeting, it will be decided if the issue merits further attention by a staff member or Commissioner or if it can be resolved at the present meeting.
- f) Commission resolutions are passed by voice roll call vote. They are recorded in the minutes of the meeting and a copy will be placed in a permanent file that is maintained by the staff liaison.

D. Electronic and Hybrid Meetings

ELECTRONIC MEETINGS POLICY

Section 1.

- (a) The provisions of the Act, including definitions, apply to this resolution.
- (b) This resolution shall be known as the “Electronic Meetings Policy” and applies to the Commission and any of its committees.

Section 2.

- (a) Subject to Sections 3 and 5, any member may participate in a meeting by any electronic means of communication that:
 - (1) allows all participating members of the governing body to simultaneously communicate with each other; and
 - (2) other than a meeting that is an executive session, allows the public to simultaneously attend and observe the meeting.
- (b) A member who participates by an electronic means of communication may participate in final action only if the member can be seen and heard.
- (c) All votes taken during a meeting at which at least one (1) member participates by an electronic means of communication must be taken by roll call vote.

Section 3.

- (a) At least five (5) of EC members must be physically present at a meeting at which a member will participate by means of electronic communication. Not more than fifty percent (50%) of the members may participate by an electronic means of communication at that same meeting.
- (b) A member may not attend more than a fifty percent (50%) of the meetings in a calendar year by an electronic means of communication unless the member’s electronic participation is due to:
 - (1) military service;
 - (2) illness or other medical condition;
 - (3) death of a relative; or
 - (4) an emergency involving actual or threatened injury to persons or property.
- (c) A member may attend two (2) consecutive meetings (a set of meetings) by electronic communication. A member must attend in person at least one (1) meeting between sets of meetings that the member attends by electronic communication, unless the member’s absence is due to:
 - (1) military service;
 - (2) illness or other medical condition;
 - (3) death of a relative; or
 - (4) an emergency involving actual or threatened injury to persons or property.
- (d) A member who plans to attend a meeting by any electronic means of communication shall notify the presiding officer and relevant staff within two (2) days before the meeting

so that arrangements may be made for the member's participation by electronic communication and so that notices may be prepared.

Section 4.

The memoranda and any minutes prepared for a meeting at which any member participates by electronic means of communication must:

- (1) identify each member who:
 - (A) was physically present at the meeting; and
 - (B) participated in the meeting by electronic means of communication; and
 - (C) was absent; and,
- (2) identify the electronic means of communication by which:
 - (A) members participated in the meeting; and
 - (B) members of the public attended and observed the meeting, if the meeting was not an executive session.

Section 5.

No member of the Commission may participate by means of electronic communication in a meeting if the Commission is attempting to take final action to:

- (1) adopt a budget;
- (2) make a reduction in personnel;
- (3) initiate a referendum;
- (4) impose or increase a fee; or
- (5) impose or increase a penalty.

Section 6.

In the event the governor declares a disaster emergency under IC 10-14-3-12 or the executive (as defined in IC 36-1-2-5) of a political subdivision declares a local disaster emergency under IC 10-14-3-29, the Commission may meet by any means of electronic communication if the following requirements of IC 5-14-1.5-3.7 are satisfied:

- (1) At least a quorum of the members of the Commission participate in the meeting by means of electronic communication or in person.
- (2) The public is able to simultaneously attend and observe the meeting. However, this subdivision does not apply to a meeting held in executive session.
- (3) The memoranda and any minutes prepared for a meeting held under this section must:
 - (A) state the name of each member of the Commission who:
 - (i) participated in the meeting by using any electronic means of communication; and
 - (ii) was absent; and
 - (B) identify the electronic means of communication by which:
 - (i) members of the Commission participated in the meeting; and
 - (ii) members of the public attended and observed the meeting, if the meeting was not an executive session.

(4) All votes taken during a meeting under this section must be taken by roll call vote.

Section 7.

At any meeting of the Commission where any member participates by an electronic means of communication, members of the public shall be able to attend and observe the meeting via electronic means. Subject to the Commission's rules for making public comment, members of the public may also participate in the meeting via electronic means.

Section 8.

At any meeting of the Commission where any member participates by an electronic means of communication, staff members may also participate in the meeting via electronic means, provided there is no actual need for a staff member to be physically present at a particular meeting. Such need shall be determined in the sole discretion of the presiding officer.

E. Meeting Packets and Deadlines

The meeting agenda, minutes of the previous meeting, and any additional information for the Commission's knowledge is emailed to all Commissioners during the week of the monthly meeting by the Staff Liaison. Commissioners who wish to propose additions to the agenda should do so no later than 10 days before the meeting by emailing the Staff Liaison in the Department of Planning & Transportation.

F. Quorum Determination

The Chair of the Commission will determine whether there is a quorum prior to the start of the meeting. A quorum means that 50% plus one of appointed Commissioners are in attendance, with a minimum of [six \(6\)](#) commissioners present. No official votes may be taken unless there is quorum. A sub-committee (or working group) shall have a quorum of 50% plus one or have a minimum of two (2) commissioners present. Public notice requirements adhere to open door laws.

If quorum is not met in a reasonable time allotment, the Chair may cancel the meeting and reschedule it for a day that is sufficient with the amount of time needed for public notice, dictated by [Indiana's Open Door Law](#) (IC 5-14-1.5).

VI. Working Groups

A. About Working Groups

All working groups developed by the Commission are advisory in nature. The purpose of the working groups is to investigate issues, prepare reports, and/or recommend actions to the Commission. All working group recommendations, correspondence, or public events must be approved in advance by the entire Commission.

B. Duties of Working Group Chairs

The chair of a working group convenes meetings; sets the agenda; facilitates discussion; takes minutes or ensures that another member takes minutes; drafts committee reports and/or recommendations for submission to the full commission; submits budget requests; and reports on working group activity during the regular monthly meeting of the Commission.

Working group chairs may not enter into agreements or contracts, commit Commission funds, send correspondence, or prepare material for public consumption without approval of the full Commission. Drafts of written material and/or signage must be submitted to the Commission no later than Wednesday of the week preceding the meeting. The chair of a working group may not encumber Commission funds without prior approval from the Chair and Staff Liaison.

C. Duties of Working Group Members

A member of a working group has the same responsibility to a Commission working group as they do to the commission as a whole. Members are required to attend all meetings. Failure to attend more than 25% of the meetings within a single calendar year will constitute resignation from a working group.

When a working group sponsors a special public event, such as *Eco-Heroes* or staffing a table at the Master Gardener Show, all members should make themselves available to help for the duration of the event.

VII. Commission Vacancies

A. Process

The Commission is made up of 12 members: six (6) appointed by the City Council, and six (6) appointed by the Mayor. It shall be a priority to always have 12 members on the Commission, so vacancies should be filled as soon as they open. Residents of the City of Bloomington may apply to fill a vacancy on the City website or pick up a paper application from the City Clerk's office. The City Council or Mayor evaluates applicants and conducts an interview before determining whether they are qualified to serve on the Commission.

B. Identification of Qualified Candidates and Recruitment by Commissioners

Commissioners are also encouraged to identify qualified candidates through recruitment. Commissioners should direct qualified candidates to the City website to apply.

C. Orientation of New Commissioners

There is no formal orientation process for new Commissioners. However, new Commissioners may meet with the Staff Liaison to review processes and history of the EC. Additionally, there are several resources that new Commissioners may use to familiarize themselves with the work

of the Commission. These include:

- a) This handbook.
- b) The Commission’s website, at bloomington.in.gov/boards/environment, which contains information about the Commission and a selection of its publications.
- c) The Unified Development Ordinance (UDO) of the City of Bloomington, accessible as Title 20 of the Bloomington Municipal Code at bloomington.in.gov/planning/udo. The UDO contains all land use and development regulations of the City.
- d) The 2018 Comprehensive Plan found at <https://bloomington.in.gov/planning/comprehensive-plan>.
- e) The [Bloomington Environmental Action Plan \(BEAP\)](#). The BEAP is the Commission’s long-range strategic plan to mitigate the effects of climate change and reduce the city’s level of greenhouse gas emissions. It’s the culmination of several years of work by members of the Commission and other interested stakeholders in the community. It’s available on the Commission’s website, under “Reports.”
- f) Other boards and commissions of the City of Bloomington, which may be found at bloomington.in.gov/boards.
- g) A list of current commissioners and their contact information, accessible from the Staff Liaison.

VIII. Commissioner Resignation

A. Process

In the event that a Commissioner is unable or unwilling to fulfill their duties on the Commission, they may resign before the end of their term. The Commissioner must submit to the Planning & Transportation Staff Liaison a short letter of resignation that includes (1) their intent to resign, (2) the effective date of their resignation, and (3) their current address. This may be written in the form of an email.

IX. Role of Department and Commission Staff

A. Role of Department of Planning & Transportation

Selected staff of the Department of Planning & Transportation provide support services to the Commission. The Senior Environmental Planner serves as a liaison between the Department and the Commission.

X. Relationships with Other Commissions and Organizations

A. Formal and Informal Links with Environmental Organizations and Other Boards and Commissions

The Commission maintains both formal and informal links with many other environmentally related organizations in the City of Bloomington. The Commission retains standing positions to the Tree Commission, the Bloomington/Monroe County Metropolitan Planning Organization Citizen Advisory Committee, and the Parks Department's Environmental Resources Advisory Committee. The Commission may also be asked for recommendations for appointment by committees such as the Environmental Resources Advisory Committee (ERAC). In addition, the Commission has historically maintained informal links with several other organizations, including the Monroe County Solid Waste Management District (MCSWMD), the Bloomington Commission on Sustainability (BCOS), the Deer Task Force and the Bloomington Parks Board.

XI. Design Standards for Commission Publications and Correspondence

A. Standardized Template for Outreach Materials and Publications

To create uniformity and increase recognition, the EC is encouraged to use standardized templates for its correspondence, outreach materials, and reports. Standard elements will include a signature typeface, Trebuchet MS, and a limited color palette of "city blue" and a warm green called "peppermint leaf green" (chip on file; RGB: 41, 144, 53) for the contrast elements in its reports and outreach materials. The EC is encouraged to follow digital accessibility guidelines as outlined by the City of Bloomington Information and Technology Services Department.

XII. Communication with City Council and the Mayor

A. Recommendations to City Council and the Mayor

From time to time, the Commission prepares reports and materials that could be of interest to the City Council and/or the Mayor. These often include making recommendations, e.g., for a change in City policy or procedure. These recommendations should be presented in a professional format to the City Council and/or the Mayor, which could include a report with a cover letter or a presentation at a public meeting.

B. Annual Reports

At the end of every year, the Chair of the Commission is responsible for submitting an Annual Report to the Mayor and City Council. This annual report should consist of summaries of the Commission's activities and projects over the past year. To aid in the production of the Annual

Report, working group chairs should submit to the Chair of the Commission a short summary of their working group's activities over the past year, no later than December.

XIII. Legislation and Lobbying

A. Obtaining Legislative Position Information from City Council

Information about legislative positions of the City Council and other important information regarding Council meetings may be found in the *Legislative Packets* distributed weekly and available on the Council's webpage, www.bloomington.in.gov/council, under the Council Meetings section. Archived meeting minutes are also available at www.bloomington.in.gov/council/meetings.

B. Recommending a Position of Commission Interest

The City Council generally meets on a Wednesday at 6:30 PM in the Council Chambers of City Hall. On occasion, the Council may be discussing legislation of interest to the Commission; e.g., debating whether to approve a Planned Unit Development (PUD) in an environmentally sensitive area. In such cases, Commissioners are encouraged to voice their opinions: this could be in the form of (1) presenting a personal position during the "public comment" period, (2) presenting a Commission position during the "presentations from boards and commissions period," so long as the position has been voted on and approved by a majority of the Commission, or (3) drafting a letter to the Council from the Commission, so long as the letter has been voted on and approved by a majority of the Commission.

Commission positions may also be recommended to other legislative bodies or organizations of interest, such as the Indiana state legislature. Again, any position from the Commission as a whole, regardless of audience, must be voted on and approved by a majority of the Commission.

C. Lobbying

On certain occasions, the Commission may decide to lobby in support of or against a particular issue or piece of legislation that could have an impact within our jurisdiction; e.g., in support of a City of Bloomington ordinance requiring recycling at multi-family apartment buildings or against a State of Indiana bill to reduce regulation of logging on private property. When an individual Commissioner wishes to lobby on behalf of the Commission, the action must be voted on and approved by a majority of the Commission.

XIV. Miscellaneous

A. Commission Webpage

The Commission retains a webpage through the City of Bloomington website. It can be accessed at www.bloomington.in.gov/boards/environment.

B. The History of the Environmental Commission

The EC was established in 1971 by municipal ordinance as the Environmental Quality and Conservation Commission and has evolved into the Environmental Commission. A comprehensive history of the EC may be found on the Commission's webpage.

Hello Rachael,

I have been considering the request for questions regarding the Sustainable Energy Utility capstone project. It seems this topic calls for a multi-faceted approach, and I have outlined a few areas worth exploring.

One potential focus is residential heating and cooling costs, as well as the adoption of more efficient systems like heat pumps. According to Purdue's climate change and energy analysis, "Heating is the largest source of energy demand in the residential sector and uses three times more energy than cooling demand." (Source: Purdue Climate & Energy Report)

Given this, a Sustainable Energy Utility study for Bloomington could emphasize strategies to improve residential energy efficiency, especially in heating. Additionally, the city's analysis notes that "Fewer than 1.5% of households and 1.75% of commercial/industrial establishments have on-site solar installed," indicating a significant opportunity for increasing solar adoption. (Source: Bloomington Climate Action Plan)

While Bloomington has programs such as the Green Home Improvement Program and the Green Building Code ordinance, more initiatives could target multi-family units, apartments, and dorms to broaden energy efficiency efforts.

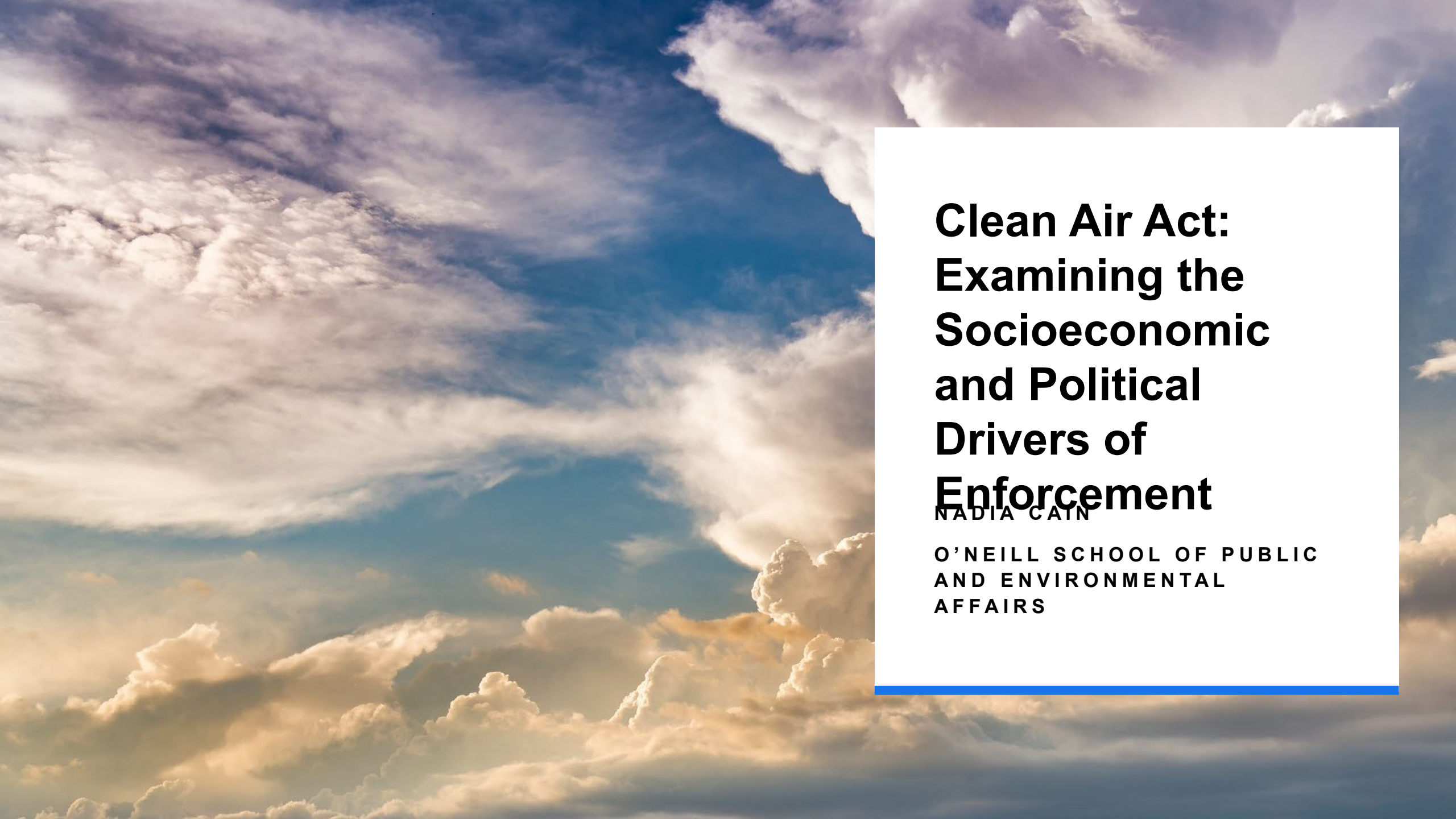
Another area of potential research is the adoption of heat pumps. Investigating how many Bloomington households could apply for rebates to install heat pumps—and estimating the resulting energy savings—could provide valuable insight into sustainable energy strategies. Heat pumps are more efficient than gas furnaces because they move heat rather than generate it, offering both heating and cooling benefits. As recent trends show, heat pumps are increasingly outpacing gas furnaces nationwide.

To summarize, I recommend focusing research on:

- Energy use in residential heating and cooling
- Existing city programs and potential gaps, especially in shared housing sectors
- The role and benefits of heat pumps in improving efficiency and sustainability

Best regards,

Heidi Brown



Clean Air Act: Examining the Socioeconomic and Political Drivers of Enforcement

NADIA CAIN

O'NEILL SCHOOL OF PUBLIC
AND ENVIRONMENTAL
AFFAIRS

Clean Air Act



2



3



4

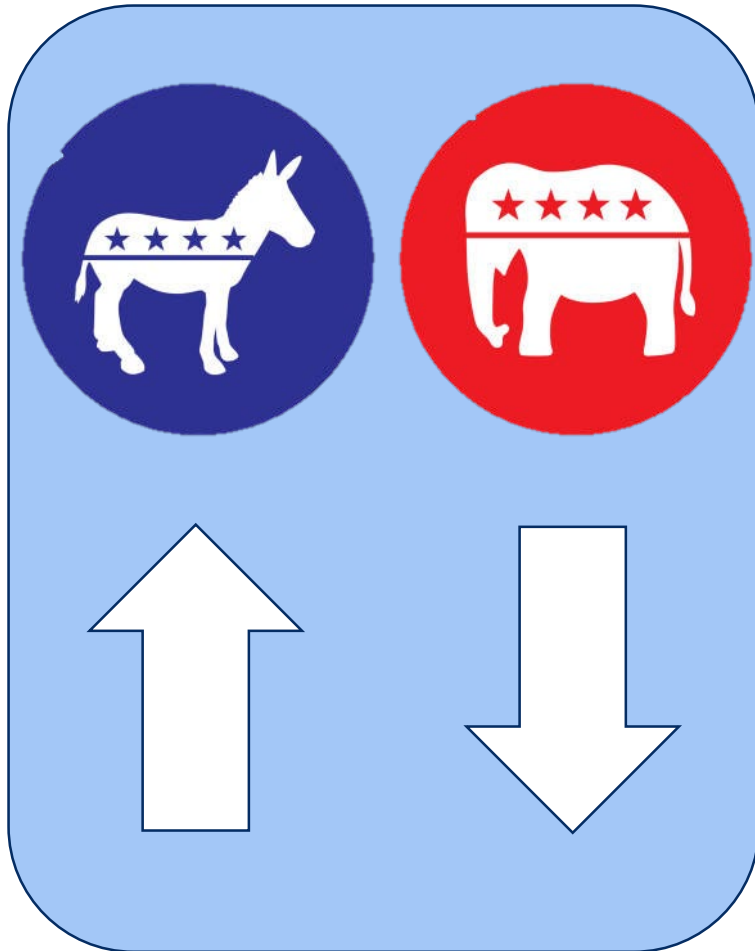
Conceptual Framework



Research Question/Background

“What socioeconomic and political factors may have driven trends in federal Clean Air Act enforcement from 1989 to 2024?”

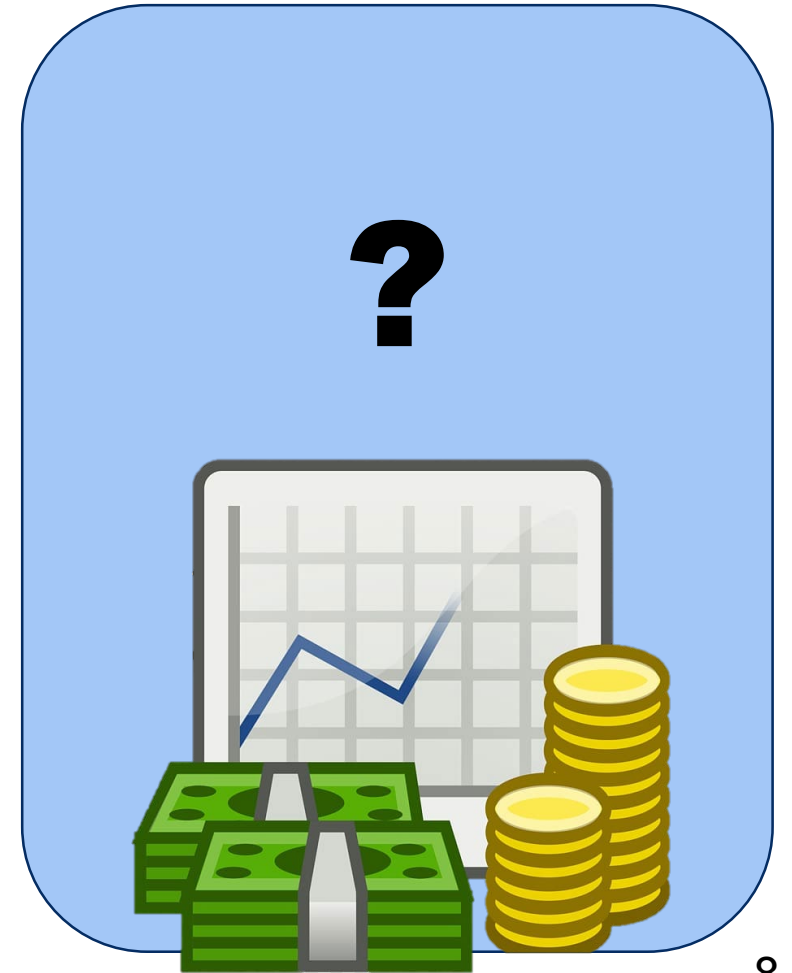
Hypotheses



6



7



8

Variables

Dependent

**Federal EPA
Enforcement**

Formal Actions

Informal Actions

Inspections

Independent

(Cause?)

- > Party of President
- > Public Policy Mood
- > Macro partisanship
- > EPA Budget
- > Unemployment
- > Gross Domestic Product (GDP)

Methods



Results :

Formal Actions

Variable	Coefficient	Std. Error	p-value
GDP Annual % Change	20.23	14.2	0.1653
EPA Budget (millions)	-2.62	3.06	0.3992
US Unemployment	15.64	22.60	0.4946
Macro partisanship	-10.83	21.04	0.6109
Public Policy Mood	-40.51***	9.19	1.4E-4
Dummy for Party (Rep = 0, Dem = 1)	-186.22*	71.37	0.0144
Year Control	-0.34	3.48	0.9233

Table 2. Results for number of formal actions per year: * = $p < 0.05$, ** = $p < 0.01$, *** = $p < 0.001$

Results :

Informal Actions

Variable	Coefficient	Std. Error	p-value
GDP Annual % Change	0.6328	5.94	0.9735
EPA Budget (millions)	-1.14	1.28	0.3813
US Unemployment	14.08	9.45	0.1474
Macro partisanship	-9.30	8.80	0.2996
Public Policy Mood	9.23*	3.84	0.0232
Dummy for Party (Rep = 0, Dem = 1)	81.21*	29.85	0.0111
Year Control	0.24	1.46	0.8692

Table 3. Results for number of informal actions per year: * = $p < 0.05$, ** = $p < 0.01$, *** = $p < 0.001$

Results :

Inspection S

Variable	Coefficient	Std. Error	p-value
GDP Annual % Change	111.72*	46.89	0.0242
EPA Budget (millions)	-8.64	10.11	0.3999
US Unemployment	142.62	74.60	0.0662
Macro	149.08	69.48	0.0407
partisanship			
Public Policy	-162.65***	30.35	1.04E-05
Mood			
Dummy for Party (Rep = 0, Dem = 1)	-923.29***	235.63	5E-4
Year Control	9.90	11.50	0.3965

Table 4. Results for number of inspections per year: * = $p < 0.05$, ** = $p < 0.01$, *** = $p < 0.001$

Discussion

- Historical party attributes
- “Effects” of certain presidents/administrations
- Influence of public policy mood on enforcement
- Influence of EPA budget on inspection rates





Conclusion

Acknowledgements

- I would like to thank my research advisor, **David Konisky**, for helping clean and organize the EPA data and for meeting with me endlessly to answer my questions and refine my work.
- I would also like to thank **Jennifer Silva** for helping edit this thesis and for her unwavering support throughout the semester.
- Finally, thank you to my **friends and family** that are here today for listening to me yap about the Clean Air Act all the time.

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BZA Hearing Date @ 5:30pm	ECPC/staff meeting @ 11:30am	ECPC meeting @ 5:30pm	Revision Deadline
1/22/2026	1/8/2026	1/13/2026	1/8/2026
2/26/2026	2/5/2026	2/10/2026	2/12/2026
3/26/2026	3/5/2026	3/10/2026	3/12/2026
4/23/2026	4/2/2026	4/7/2026	4/9/2026
5/28/2026	5/7/2026	5/12/2026	5/14/2026
6/25/2026	6/4/2026	6/9/2026	6/11/2026
7/23/2026	7/2/2026	7/7/2026	7/9/2026
8/27/2026	8/7/2026	8/11/2026	8/13/2026
9/24/2026	9/3/2026	9/8/2026	9/10/2026
10/22/2026	10/1/2026	10/6/2026	10/8/2026
11/19/2026	10/29/2026	11/3/2026	11/5/2026
12/17/2026	12/3/2026	12/8/2026	12/3/2026

Note that January and December dates do not align with the revision deadlines, due to holiday schedules