To: Iowa Food & Water Action
From: Change Research
Date: April 4, 2022
Re: Iowa Statewide Poll Results

Key Findings

A poll from Change Research of 950 registered voters in Iowa from March 26-30, 2022 shows that while building carbon pipelines is somewhat unpopular, using eminent domain to build carbon pipelines is <u>extremely</u> unpopular.

44% of Iowa voters oppose carbon pipelines and 35% support them, with 21% unsure. However, a supermajority (80%) of Iowa voters oppose allowing private corporations to use eminent domain to build the carbon pipelines.

● Strongly support ● Somewhat support ● Somewhat oppose ● Strongly oppose ● Not sure

In Iowa, three multibillion-dollar pipeline projects have been proposed to move carbon dioxide so it can be stored underground, with a goal of reducing greenhouse gas emissions from industrial sources, primarily ethanol and fertilizer facilities. Do you support or oppose these carbon pipelines?

	TOTAL SUPPORT	TOTAL OPPOSE
10 / 25 / 18 / 25 / 21	35	44

Iowa is considering allowing private corporations to use eminent domain to take private land to build the carbon pipelines. Eminent domain has traditionally been used for projects that provide a public benefit like highways and railroads. Do you support or oppose allowing private corporations to use eminent domain to build the carbon pipelines?

	TOTAL SUPPORT	TOTAL OPPOSE
9 / 15 / 65 / 9	11	80
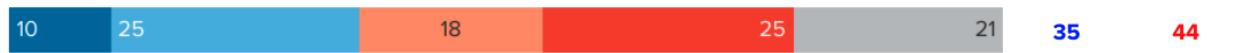
Opposition to using eminent domain to build the pipelines crosses party lines.
- 83% of Democrats & Democratic leaners oppose
- 78% of Independents oppose
- 79% of Republicans & Republican leaners oppose
- 80% of voters who are favorable towards Kim Reynolds oppose

Voters want their legislators to fight the use of eminent domain to build these pipelines.

73% of voters say they would be less likely to vote for a candidate who supported using eminent domain to build carbon pipelines. This includes 78% of Democrats & leaners, 70% of Independents, and 69% of Republicans & leaners.

● Much more likely	● Somewhat more likely	● Wouldn't make a difference	● Somewhat less likely	● Much less likely

If you knew that a candidate for elected office supported using eminent domain to build carbon pipelines, would you be more or less likely to vote for that person, or would it not make a difference to you?	TOTAL MORE LIKELY	TOTAL LESS LIKELY
4 22 28 45	5	73
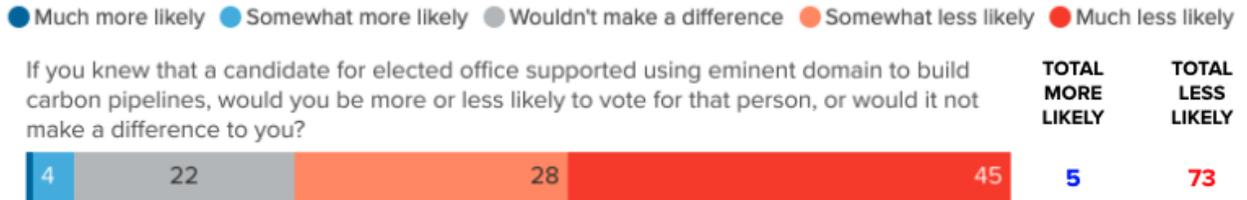
70% of voters support Iowa legislators in the General Assembly blocking the use of eminent domain for these pipelines. This includes 72% of Democrats & leaners, 69% of Independents, and 69% of Republicans & leaners.

● Strongly support	● Somewhat support	● Somewhat oppose	● Strongly oppose	● Not sure

The Iowa General Assembly is currently considering options for stopping the use of eminent domain for carbon pipelines. Do you support or oppose Iowa legislators blocking the use of eminent domain for these pipelines?	TOTAL SUPPORT	TOTAL OPPOSE
45 25 10 4 16	70	14
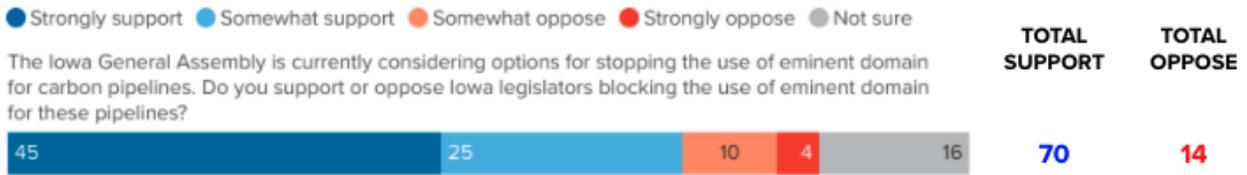
METHODOLOGY

Change Research surveyed 950 registered voters in Iowa from March 26-30. We used some or all of the following sources to recruit respondents. A total of 950 respondents came from Facebook advertisements.

- targeted advertisements on Facebook and Instagram.
- targeted advertisements on individual websites via Google and/or Facebook's ad platform.
- the Lucid sample aggregator, which recruits respondents from dozens of different online panels. All members of these panels are admitted to our survey based on qualification in a pre-screening survey administered by Lucid.
- text messages sent, via the Switchboard platform, to cell phone numbers listed on the voter file for individuals who qualified for the survey's sample universe, based on their voter file data.

Regardless of which of these sources a respondent came from, they were directed to a survey hosted on SurveyMonkey's website. Ads placed on social media targeted any registered voter living in Iowa. As the survey fielded, Change Research used dynamic online sampling: adjusting ad budgets, lowering budgets for ads targeting groups that were overrepresented and raising budgets for ads targeting groups that were underrepresented, so that the final sample was roughly representative of the population across different groups. The survey was conducted in English.

The survey was commissioned by Food & Water Action, and conducted online by Change Research. Post-stratification was performed on age, gender, race/ethnicity, region, and 2020 presidential vote. Weighting parameters were estimated based on the electorates from the 2020 general election, obtained from the voter file. That is, if a given age bracket or gender group represented x% of the 2020 electorate, then that same group would be roughly weighted to x% in this survey.

The modeled margin of error* for this survey is 3.58%, which uses effective sample sizes** that adjust for the design effect of weighting.

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* We adopt The Pew Research Center's convention for the term "modeled margin of error"(1) (mMOE) to indicate that our surveys are not simple random samples in the pure sense, similar to any survey that has either non-response bias or for which the general population was not invited at random. A common, if imperfect, convention for reporting survey results is to use a single, survey-level mMOE based on a normal approximation. This is a poor approximation for proportion estimates close to 0 or 1. However, it is a useful communication tool in many settings and is reasonable in places where the proportion of interest is close to 50%. We report this normal approximation for our surveys assuming a proportion estimate of 50%.

** The effective sample size adjusts for the weighting applied to respondents, and is calculated using Kish's approximation (2).

(1) https://www.pewresearch.org/methods/2018/01/26/for-weighting-online-opt-in-samples-what-matters-most/
(2) Kish, Leslie. Survey Sampling, 1965.

For more information, contact Lauren Goldstein at lauren@changeresearch.com.

LIST OF QUESTIONS

1 Are you:
- Male
- Female

2 In what year were you born?

3 In what ZIP code do you currently live?

4 What is your race?
- American Indian or Alaska Native
- Asian / Pacific Islander
- Black or African American
- Hispanic or Latino/a
- White / Caucasian
- Mixed race
- Something else (please specify) [TEXT BOX]

5 What is the highest level of education you have completed?
- High school diploma or less
- Some college, but no degree
- Associate's degree, or two-year college degree
- Bachelor's degree, or four-year college degree
- Graduate degree

6 Are you registered to vote in Iowa?
- Yes
- No
- Not sure

7a Generally speaking, do you think of yourself as a: [RANDOMIZE]
- Democrat
- Independent/Other
- Republican

[IF INDEPENDENT/ NO PARTY AFFILIATION]
7b Do you consider yourself closer to:
- The Democrats
- The Republicans
- Neither

[IF DEMOCRAT/ REPUBLICAN]
7c Do you consider yourself a:
- Strong [Democrat/Republican]
- Not so strong [Democrat/Republican]

8 How did you vote in the 2020 election for President, or for some reason were you unable to vote?
- Joe Biden, the Democrat
- Donald Trump, the Republican
- Jo Jorgensen, the Libertarian
- Did not vote
- Not registered/Too young/Ineligible

9 How favorable are your feelings about each of the following public figures? [RANDOMIZE] [Very favorable | Somewhat favorable | Neutral | Somewhat unfavorable | Very unfavorable | Never heard of them]
- Kim Reynolds
- Pat Grassley
- Terry Branstad

10 In Iowa, three multibillion-dollar pipeline projects have been proposed to move carbon dioxide so it can be stored underground, with a goal of reducing greenhouse gas emissions from industrial sources, primarily ethanol and fertilizer facilities. Do you support or oppose these carbon pipelines?
- Strongly support
- Somewhat support
- Somewhat oppose
- Strongly oppose
- Not sure

11 Iowa is considering allowing private corporations to use eminent domain to take private land to build the carbon pipelines. Eminent domain has traditionally been used for projects that provide a public benefit like highways and railroads. Do you support or oppose allowing private corporations to use eminent domain to build the carbon pipelines?
- Strongly support
- Somewhat support
- Somewhat oppose
- Strongly oppose
- Not sure

12 If you knew that a candidate for elected office supported using eminent domain to build carbon pipelines, would you be more or less likely to vote for that person, or would it not make a difference to you?
- Much more likely to vote for them
- Somewhat more likely to vote for them
- Wouldn't make a difference
- Somewhat less likely to vote for them
- Much less likely to vote for them

13 The Iowa General Assembly is currently considering options for stopping the use of eminent domain for carbon pipelines. Do you support or oppose Iowa legislators blocking the use of eminent domain for these pipelines?
- Strongly support
- Somewhat support
- Somewhat oppose
- Strongly oppose
- Not sure