DATA FOR *PROGRESS*   FARM*FORWARD*

From April 16 to 23, 2024, Data for Progress and Farm Forward conducted a survey of 834 likely voters in Michigan using web panel respondents. The sample was weighted to be representative of likely voters by age, gender, education, race, geography, and voting history. The survey was conducted in English. The margin of error is ±3 percentage points.

NB: subgroups with a n-size less than 50 (<50) are not shown on these cross-tabs. We choose not to display N<50 subgroups because the sample is too small to have statistical significance. We did, however, take samples of these subgroups for representational and weighting purposes to accurately reflect the electorate makeup. Some values may not add up to 100 due to rounding.

N=834 unless otherwise specified.

[1] Do you have a favorable or unfavorable opinion of the following groups?

— **Large-scale factory farms or concentrated animal feeding operations (CAFOs)**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	7	6	5	11	7	7	5	8	8	6	13	7
Somewhat favorable	21	21	18	24	17	26	15	24	22	19	33	19
Somewhat unfavorable	30	28	32	31	26	35	26	33	28	35	14	35
Very unfavorable	17	19	19	14	21	13	23	15	15	23	7	16
Haven't heard enough to say	24	25	26	21	28	19	31	20	28	16	32	23
FAVORABLE (TOTAL)	28	27	23	35	24	33	20	32	30	25	46	26
UNFAVORABLE (TOTAL)	47	47	51	45	47	48	49	48	43	58	21	51
FAVORABLE (NET)	−19	−20	−28	−10	−23	−15	−29	−16	−13	−33	+25	−25
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[2] Do you have a favorable or unfavorable opinion of the following groups?

— **Small family farms**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	65	56	65	72	63	66	57	69	67	60	37	69
Somewhat favorable	24	30	21	22	22	27	24	25	21	30	36	24
Somewhat unfavorable	1	1	1	0	1	0	1	0	1	0	3	1
Very unfavorable	2	3	1	1	3	1	3	1	2	2	5	1
Haven't heard enough to say	9	9	12	5	10	6	15	5	9	7	20	6
FAVORABLE (TOTAL)	89	86	86	94	85	93	81	94	88	90	73	93
UNFAVORABLE (TOTAL)	3	4	2	1	4	1	4	1	3	2	8	2
FAVORABLE (NET)	+86	+82	+84	+93	+81	+92	+77	+93	+85	+88	+65	+91
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[3] Do you have a favorable or unfavorable opinion of the following groups?

— **Fossil fuel energy companies, like oil and gas producers**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	14	7	15	22	12	17	7	18	16	12	7	16
Somewhat favorable	36	29	36	44	33	40	29	40	38	34	35	37
Somewhat unfavorable	27	35	23	23	28	26	31	26	23	36	20	28
Very unfavorable	11	18	13	3	10	12	15	9	10	13	13	11
Haven't heard enough to say	11	10	13	8	16	4	17	7	13	5	25	8
FAVORABLE (TOTAL)	50	36	51	66	45	57	36	58	54	46	42	53
UNFAVORABLE (TOTAL)	38	53	36	26	38	38	46	35	33	49	33	39
FAVORABLE (NET)	+12	−17	+15	+40	+7	+19	−10	+23	+21	−3	+9	+14
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[4] Do you have a favorable or unfavorable opinion of the following groups?

— **Clean energy companies, like wind and solar producers**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	34	50	30	21	38	29	41	30	31	40	39	30
Somewhat favorable	39	39	36	40	35	42	39	38	39	37	42	40
Somewhat unfavorable	12	2	16	19	10	14	4	16	14	10	4	14
Very unfavorable	8	2	10	12	5	11	3	10	7	9	2	9
Haven't heard enough to say	8	6	9	8	11	4	14	5	10	4	13	6
FAVORABLE (TOTAL)	73	89	66	61	73	71	80	68	70	77	81	70
UNFAVORABLE (TOTAL)	20	4	26	31	15	25	7	26	21	19	6	23
FAVORABLE (NET)	+53	+85	+40	+30	+58	+46	+73	+42	+49	+58	+75	+47
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[5] Do you have a favorable or unfavorable opinion of the following groups?

— Utility companies

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	13	11	15	13	16	10	14	12	14	11	18	11
Somewhat favorable	46	46	41	51	43	50	39	50	47	46	43	48
Somewhat unfavorable	25	31	24	20	21	29	25	25	24	26	21	28
Very unfavorable	9	7	8	11	9	9	7	9	6	14	13	7
Haven't heard enough to say	7	5	12	5	11	3	15	3	9	4	5	6
FAVORABLE (TOTAL)	59	57	56	64	59	60	53	62	61	57	61	59
UNFAVORABLE (TOTAL)	34	38	32	31	30	38	32	34	30	40	34	35
FAVORABLE (NET)	+25	+19	+24	+33	+29	+22	+21	+28	+31	+17	+27	+24
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[6] Do you have a favorable or unfavorable opinion of the following groups?

— Environmental organizations

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	23	42	18	10	25	21	28	21	22	27	32	22
Somewhat favorable	43	49	39	41	44	42	44	42	44	41	47	45
Somewhat unfavorable	15	2	20	24	11	19	7	19	12	20	3	17
Very unfavorable	7	1	7	14	4	11	2	10	7	8	2	8
Haven't heard enough to say	11	6	16	11	15	6	18	7	14	4	15	8
FAVORABLE (TOTAL)	66	91	57	51	69	63	72	63	66	68	79	67
UNFAVORABLE (TOTAL)	22	3	27	38	15	30	9	29	19	28	5	25
FAVORABLE (NET)	+44	+88	+30	+13	+54	+33	+63	+34	+47	+40	+74	+42
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[7] Do you have a favorable or unfavorable opinion of the following groups?

— **Farm animal protection organizations**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	31	34	30	29	40	21	37	28	32	29	36	29
Somewhat favorable	39	46	33	38	35	44	39	40	39	39	36	42
Somewhat unfavorable	10	4	13	13	8	12	7	12	9	12	6	10
Very unfavorable	5	2	6	6	2	8	1	7	4	6	0	5
Haven't heard enough to say	15	13	18	14	15	15	16	14	15	14	22	14
FAVORABLE (TOTAL)	70	80	63	67	75	65	76	68	71	68	72	71
UNFAVORABLE (TOTAL)	15	6	19	19	10	20	8	19	13	18	6	15
FAVORABLE (NET)	+55	+74	+44	+48	+65	+45	+68	+49	+58	+50	+66	+56
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[8] Do you have a favorable or unfavorable opinion of the following groups?

— **Public health organizations**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	26	41	19	18	29	22	30	24	23	31	37	24
Somewhat favorable	44	48	41	45	42	47	37	48	45	43	42	46
Somewhat unfavorable	18	5	24	25	15	21	19	17	18	17	9	19
Very unfavorable	5	2	5	7	4	5	3	6	5	4	3	5
Haven't heard enough to say	7	5	11	6	10	5	12	5	9	5	9	6
FAVORABLE (TOTAL)	70	89	60	63	71	69	67	72	68	74	79	70
UNFAVORABLE (TOTAL)	23	7	29	32	19	26	22	23	23	21	12	24
FAVORABLE (NET)	+47	+82	+31	+31	+52	+43	+45	+49	+45	+53	+67	+46
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[9] Do you have a favorable or unfavorable opinion of the following energy sources?

— **Oil**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	21	10	19	35	18	25	10	27	22	20	21	24
Somewhat favorable	37	35	37	38	34	40	32	39	38	34	44	36
Somewhat unfavorable	29	36	29	21	32	25	35	25	27	32	27	28
Very unfavorable	9	14	10	2	9	8	15	6	7	13	4	9
Haven't heard enough to say	4	5	5	4	8	1	9	2	6	2	4	4
FAVORABLE (TOTAL)	58	45	56	73	52	65	42	66	60	54	65	60
UNFAVORABLE (TOTAL)	38	50	39	23	41	33	50	31	34	45	31	37
FAVORABLE (NET)	+20	−5	+17	+50	+11	+32	−8	+35	+26	+9	+34	+23
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[10] Do you have a favorable or unfavorable opinion of the following energy sources?

— **Gasoline**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	25	14	22	38	21	29	11	32	26	22	28	27
Somewhat favorable	38	38	34	40	37	38	34	39	39	35	39	39
Somewhat unfavorable	26	32	30	17	29	23	35	22	25	30	24	23
Very unfavorable	8	12	9	3	7	9	13	5	6	11	6	8
Haven't heard enough to say	3	3	5	2	6	1	7	1	4	2	3	3
FAVORABLE (TOTAL)	63	52	56	78	58	67	45	71	65	57	67	66
UNFAVORABLE (TOTAL)	34	44	39	20	36	32	48	27	31	41	30	31
FAVORABLE (NET)	+29	+8	+17	+58	+22	+35	−3	+44	+34	+16	+37	+35
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[11] Do you have a favorable or unfavorable opinion of the following energy sources?

— **Biofuels made from manure, including manure biogas and biomethane**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	21	26	19	18	19	23	25	19	19	24	19	20
Somewhat favorable	41	44	37	44	36	48	33	45	39	45	29	44
Somewhat unfavorable	10	6	13	11	8	12	8	11	11	9	8	10
Very unfavorable	4	1	5	5	5	3	5	3	4	3	3	4
Haven't heard enough to say	24	23	27	22	32	15	28	22	27	19	41	22
FAVORABLE (TOTAL)	62	70	56	62	55	71	58	64	58	69	48	64
UNFAVORABLE (TOTAL)	14	7	18	16	13	15	13	14	15	12	11	14
FAVORABLE (NET)	+48	+63	+38	+46	+42	+56	+45	+50	+43	+57	+37	+50
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[12] Do you have a favorable or unfavorable opinion of the following energy sources?

— **Solar**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	44	62	39	30	46	42	47	43	40	51	47	42
Somewhat favorable	37	30	37	43	36	38	33	38	40	31	38	38
Somewhat unfavorable	9	2	13	13	7	11	8	10	9	9	4	10
Very unfavorable	5	1	6	8	4	6	2	7	5	6	2	6
Haven't heard enough to say	5	5	6	5	8	2	10	3	6	4	8	5
FAVORABLE (TOTAL)	81	92	76	73	82	80	80	81	80	82	85	80
UNFAVORABLE (TOTAL)	14	3	19	21	11	17	10	17	14	15	6	16
FAVORABLE (NET)	+67	+89	+57	+52	+71	+63	+70	+64	+66	+67	+79	+64
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[13] Do you have a favorable or unfavorable opinion of the following energy sources?

— **Wind**

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very favorable	42	60	38	27	45	38	48	38	38	49	40	39
Somewhat favorable	37	32	37	43	35	40	36	38	39	33	45	39
Somewhat unfavorable	10	4	14	14	8	13	8	12	12	8	9	11
Very unfavorable	7	1	8	11	6	8	1	9	6	7	0	8
Haven't heard enough to say	4	4	4	6	7	2	7	3	5	3	6	4
FAVORABLE (TOTAL)	79	92	75	70	80	78	84	76	77	82	85	78
UNFAVORABLE (TOTAL)	17	5	22	25	14	21	9	21	18	15	9	19
FAVORABLE (NET)	+62	+87	+53	+45	+66	+57	+75	+55	+59	+67	+76	+59
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[14] Please say whether you think that **large-scale factory farms**, also known as concentrated animal feeding operations (CAFOs), have a positive or negative impact on the following areas for Michigan communities, or if you think they do not make an impact at all:

— Air quality

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Positive impact	14	14	10	16	13	14	13	14	16	10	24	13
Negative impact	42	55	42	31	41	43	47	40	37	52	36	42
No impact at all	19	9	23	27	15	23	15	21	19	19	12	20
Haven't heard enough to say	25	22	26	26	30	19	24	25	28	19	28	25
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[15] Please say whether you think that **large-scale factory farms**, also known as concentrated animal feeding operations (CAFOs), have a positive or negative impact on the following areas for Michigan communities, or if you think they do not make an impact at all:

— Water quality

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Positive impact	14	16	10	16	15	13	14	14	16	10	27	13
Negative impact	43	49	43	38	41	46	43	43	38	52	34	43
No impact at all	17	10	18	21	12	21	16	17	15	19	11	18
Haven't heard enough to say	26	24	29	26	32	20	26	26	30	18	28	26
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[16] Please say whether you think that **large-scale factory farms**, also known as concentrated animal feeding operations (CAFOs), have a positive or negative impact on the following areas for Michigan communities, or if you think they do not make an impact at all:

— Farm animal well-being

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Positive impact	18	20	16	18	19	17	16	19	20	14	32	17
Negative impact	49	55	52	40	49	49	56	46	44	59	34	50
No impact at all	9	3	10	16	6	14	7	11	9	10	4	10
Haven't heard enough to say	23	22	23	25	26	20	21	25	26	18	30	22
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[17] Please say whether you think that **large-scale factory farms**, also known as concentrated animal feeding operations (CAFOs), have a positive or negative impact on the following areas for Michigan communities, or if you think they do not make an impact at all:

— Food quality

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Positive impact	24	23	22	27	23	26	17	28	26	21	34	24
Negative impact	39	43	41	31	42	34	47	34	35	45	31	37
No impact at all	13	8	11	19	6	20	10	14	12	13	11	14
Haven't heard enough to say	24	25	26	23	28	20	26	24	26	21	24	24
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[18] Please say whether you think that **large-scale factory farms**, also known as concentrated animal feeding operations (CAFOs), have a positive or negative impact on the following areas for Michigan communities, or if you think they do not make an impact at all:

— Public health

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Positive impact	18	20	15	18	18	17	16	19	20	13	31	16
Negative impact	40	46	42	31	42	38	46	37	36	48	37	38
No impact at all	17	9	18	24	11	24	14	18	16	19	5	19
Haven't heard enough to say	25	25	25	27	29	22	24	26	28	20	27	27
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[19] Please say whether you think that **large-scale factory farms**, also known as concentrated animal feeding operations (CAFOs), have a positive or negative impact on the following areas for Michigan communities, or if you think they do not make an impact at all:

— Animal-to-human disease transmission

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Positive impact	10	10	9	11	10	11	11	10	11	8	20	9
Negative impact	43	51	39	37	44	40	50	39	38	51	42	42
No impact at all	16	9	17	21	11	22	10	19	17	14	6	18
Haven't heard enough to say	31	29	34	31	35	27	29	33	34	27	31	31
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[20] Please say whether you think that **oil and gas companies** have a positive or negative impact on the following areas for Michigan communities or if you think they do not make an impact at all:

— Air quality

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Positive impact	15	13	15	18	15	15	12	17	16	14	15	14
Negative impact	58	74	57	42	59	56	67	53	55	63	58	56
No impact at all	14	5	14	23	10	19	7	18	13	16	11	16
Haven't heard enough to say	13	8	14	17	16	10	15	12	16	7	15	14
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[21] Please say whether you think that **oil and gas companies** have a positive or negative impact on the following areas for Michigan communities or if you think they do not make an impact at all:

— Water quality

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Positive impact	16	14	15	19	15	17	12	18	16	15	20	15
Negative impact	51	71	49	34	54	49	63	46	49	56	49	50
No impact at all	18	8	16	29	14	22	9	22	18	16	12	19
Haven't heard enough to say	15	8	20	18	18	12	16	15	16	13	19	16
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[22] Please say whether you think that **oil and gas companies** have a positive or negative impact on the following areas for Michigan communities or if you think they do not make an impact at all:

— Public health

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Positive impact	17	16	13	21	17	17	14	18	16	18	26	16
Negative impact	48	66	47	30	49	46	59	42	46	50	42	46
No impact at all	19	9	21	28	15	24	10	24	19	19	15	20
Haven't heard enough to say	16	9	19	21	19	13	17	16	18	12	17	18
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[23] Cities and states across the United States are paying billions of dollars to deal with climate disasters like wildfires, droughts, and floods.

Now, a number of those cities and states are suing oil and gas companies to make them pay their fair share of the damage their pollution has caused.

Would you support or oppose making polluters pay for climate damages?

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Strongly support	39	58	35	24	41	37	43	37	35	46	52	35
Somewhat support	34	30	32	41	35	34	35	34	36	31	34	35
Somewhat oppose	11	7	11	15	11	11	9	12	12	9	8	13
Strongly oppose	11	2	14	17	7	16	5	14	10	12	2	13
Don't know	5	4	7	3	6	3	8	3	6	2	5	4
SUPPORT (TOTAL)	73	88	67	65	76	71	78	71	71	77	86	70
OPPOSE (TOTAL)	22	9	25	32	18	27	14	26	22	21	10	26
SUPPORT (NET)	+51	+79	+42	+33	+58	+44	+64	+45	+49	+56	+76	+44
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[24] Governments use the income they generate from taxpayers to provide financial incentives, including grants, taxpayer-backed loans with favorable terms, or tax breaks, to companies in specific industries in order to support their economic development and growth.

For each of the following types of corporations, please say whether you think Michigan should or should not continue to give them financial incentives:

— Corporations in the oil and gas industry, such as ExxonMobil or BP

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Michigan's government should continue to give financial incentives to large corporations in this industry	25	17	21	36	22	28	20	27	25	24	21	26
Michigan's government should not continue to give financial incentives to large corporations in this industry	57	68	56	48	56	59	55	59	55	63	49	59
Don't know	18	15	23	16	22	13	26	14	20	14	30	16
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[25] Governments use the income they generate from taxpayers to provide financial incentives, including grants, taxpayer-backed loans with favorable terms, or tax breaks, to companies in specific industries in order to support their economic development and growth.

For each of the following types of corporations, please say whether you think Michigan should or should not continue to give them financial incentives:

— Corporations in the agricultural industry, such as Tyson Foods or Smithfield Foods

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Michigan's government should continue to give financial incentives to large corporations in this industry	33	29	29	42	30	37	26	37	35	30	40	34
Michigan's government should not continue to give financial incentives to large corporations in this industry	46	52	45	41	44	47	46	45	41	54	31	46
Don't know	21	19	27	18	26	16	28	18	24	16	29	20
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[26] Governments use the income they generate from taxpayers to provide financial incentives, including grants, taxpayer-backed loans with favorable terms, or tax breaks, to companies in specific industries in order to support their economic development and growth.

For each of the following types of corporations, please say whether you think Michigan should or should not continue to give them financial incentives:

— Corporations in the utility industry, such as DTE Energy or Consumers Energy

Response	Topline	Democrat	Independent / Third party	Republican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Michigan's government should continue to give financial incentives to large corporations in this industry	38	36	38	40	38	38	39	38	39	36	36	39
Michigan's government should not continue to give financial incentives to large corporations in this industry	43	48	41	41	40	47	38	46	40	49	41	44
Don't know	18	16	21	19	22	15	23	16	20	15	23	17
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[27] Do you support or oppose Michigan state legislators implementing policies aimed at addressing climate change?

Response	Topline	Democrat	Independent / Third party	Republican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Strongly support	32	63	23	10	35	30	37	30	27	42	51	29
Somewhat support	35	32	38	37	35	35	34	36	38	31	34	36
Somewhat oppose	12	3	14	19	11	13	10	13	14	7	4	13
Strongly oppose	15	1	14	29	12	18	6	19	13	18	2	16
Don't know	6	2	11	4	8	3	12	2	8	1	10	5
SUPPORT (TOTAL)	67	95	61	47	70	65	71	66	65	73	85	65
OPPOSE (TOTAL)	27	4	28	48	23	31	16	32	27	25	6	29
SUPPORT (NET)	+40	+91	+33	−1	+47	+34	+55	+34	+38	+48	+79	+36
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[28] Do you think each of the following groups should or should not be involved in creating legislation aimed at addressing climate change in Michigan?

— Large-scale factory farms or concentrated animal feeding operations (CAFOs)

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
They should be involved in creating legislation aimed at addressing climate change in Michigan	40	48	31	40	38	41	33	43	40	39	50	38
They should not be involved in creating legislation aimed at addressing climate change in Michigan	44	42	44	46	40	49	44	44	40	51	31	47
Don't know	16	10	25	14	22	10	24	13	20	10	19	15
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[29] Do you think each of the following groups should or should not be involved in creating legislation aimed at addressing climate change in Michigan?

— Small family farms

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
They should be involved in creating legislation aimed at addressing climate change in Michigan	59	71	49	55	57	60	54	61	55	65	69	58
They should not be involved in creating legislation aimed at addressing climate change in Michigan	27	18	27	35	24	30	23	28	28	24	15	28
Don't know	15	11	24	10	19	10	23	11	17	11	17	14
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[30] Do you think each of the following groups should or should not be involved in creating legislation aimed at addressing climate change in Michigan?

— Fossil fuel energy companies, like oil and gas producers

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
They should be involved in creating legislation aimed at addressing climate change in Michigan	48	54	42	49	47	49	40	53	48	49	53	49
They should not be involved in creating legislation aimed at addressing climate change in Michigan	38	39	39	37	35	43	41	37	36	44	30	39
Don't know	13	7	19	14	18	8	19	10	16	8	18	12
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[31] Do you think each of the following groups should or should not be involved in creating legislation aimed at addressing climate change in Michigan?

— Clean energy companies, like wind and solar producers

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
They should be involved in creating legislation aimed at addressing climate change in Michigan	62	83	55	48	64	61	67	60	60	66	71	63
They should not be involved in creating legislation aimed at addressing climate change in Michigan	25	10	27	39	20	31	17	30	25	27	11	26
Don't know	12	6	18	13	16	8	16	10	15	7	18	11
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[32] Do you think each of the following groups should or should not be involved in creating legislation aimed at addressing climate change in Michigan?

— Utility companies

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
They should be involved in creating legislation aimed at addressing climate change in Michigan	53	62	48	47	54	51	45	57	51	56	62	54
They should not be involved in creating legislation aimed at addressing climate change in Michigan	34	31	32	40	28	41	34	34	32	38	24	35
Don't know	13	7	20	13	18	8	22	9	17	6	14	12
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[33] Do you think each of the following groups should or should not be involved in creating legislation aimed at addressing climate change in Michigan?

— Environmental organizations

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
They should be involved in creating legislation aimed at addressing climate change in Michigan	64	86	58	50	66	63	64	65	63	68	75	64
They should not be involved in creating legislation aimed at addressing climate change in Michigan	24	10	25	37	20	28	19	26	24	24	13	25
Don't know	12	5	18	14	15	9	17	9	14	8	12	11
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[34] Do you think each of the following groups should or should not be involved in creating legislation aimed at addressing climate change in Michigan?

— Farm animal protection organizations

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
They should be involved in creating legislation aimed at addressing climate change in Michigan	51	66	43	43	56	45	48	52	49	55	61	51
They should not be involved in creating legislation aimed at addressing climate change in Michigan	33	23	33	41	24	42	29	34	31	36	17	34
Don't know	16	10	24	15	20	13	22	13	20	10	22	15
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[35] Do you think each of the following groups should or should not be involved in creating legislation aimed at addressing climate change in Michigan?

— Public health organizations

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
They should be involved in creating legislation aimed at addressing climate change in Michigan	62	85	53	48	60	64	59	64	59	68	74	62
They should not be involved in creating legislation aimed at addressing climate change in Michigan	24	9	24	40	21	28	20	27	23	26	6	26
Don't know	14	7	22	13	19	8	21	10	18	6	19	12
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[36] Michigan legislators have proposed a Clean Fuel Standard bill to cut carbon emissions from **transportation fuels** by at least 25% by 2035, compared with emission levels in 2019.

The bill would establish a system to track carbon emissions from fuels produced in or brought to Michigan. It would reward companies for producing fuels with carbon emissions lower than those of traditional fossil fuels by giving them credits for these fuels.

Companies could use or sell those credits for profit to other industries to satisfy legal greenhouse gas emission limits, even if they do not actually reduce the total amount of emissions they output.

Do you support or oppose this proposed bill?

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Strongly support	16	29	10	9	18	14	23	12	15	18	20	14
Somewhat support	36	43	37	30	36	36	39	35	37	35	48	36
Somewhat oppose	20	14	18	28	18	22	12	24	21	18	12	23
Strongly oppose	17	8	20	24	13	21	7	22	14	23	9	17
Don't know	11	7	16	9	15	6	18	7	14	5	12	10
SUPPORT (TOTAL)	52	72	47	39	54	50	62	47	52	53	68	50
OPPOSE (TOTAL)	37	22	38	52	31	43	19	46	35	41	21	40
SUPPORT (NET)	+15	+50	+9	−13	+23	+7	+43	+1	+17	+12	+47	+10
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[37] Michigan legislators have proposed a Clean Fuel Standard bill to cut carbon emissions from **transportation fuels** by at least 25% by 2035, compared with emission levels in 2019.

To read a full description of the bill, please click here. *(The bill's description provided matched the exact description respondents were shown in Q36).*

Some of the groups that influenced the writing of this bill include large industrial agriculture companies, oil and gas companies, and utility companies. The bill would also give large financial incentives to producers of transportation fuels, including oil and gas companies and large-scale factory farms.

Knowing what you know now, do you support or oppose this proposed bill?

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Strongly support	12	16	12	9	14	10	18	9	10	16	24	10
Somewhat support	32	34	28	34	31	33	36	30	34	28	33	33
Somewhat oppose	29	29	24	32	30	28	20	33	28	30	25	30
Strongly oppose	17	14	20	17	11	23	9	21	15	20	10	18
Don't know	10	7	16	8	14	6	17	7	13	6	9	9
SUPPORT (TOTAL)	44	50	40	43	45	43	54	39	44	44	57	43
OPPOSE (TOTAL)	46	43	44	49	41	51	29	54	43	50	35	48
SUPPORT (NET)	−2	+7	−4	−6	+4	−8	+25	−15	+1	−6	+22	−5
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[38] Michigan legislators have proposed a Clean Fuel Standard bill to cut carbon emissions from **transportation fuels** by at least 25% by 2035, compared with emission levels in 2019.

To read a full description of the bill, please click here. *(The bill's description provided matched the exact description respondents were shown in Q36).*

Supporters of the bill say it will lower carbon emissions from transportation fuels used in the state and help meet Michigan's goals for a healthy climate through targeted investments in cleaner fuels.

Opponents of the bill say it will create more pollution because big oil, utility, and big agriculture lobbyists ensured the bill will fund polluting fuels like biogas made from manure for the benefit of oil and gas producers, utilities, and factory farms.

Having read more, do you support or oppose this proposed bill?

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Strongly support	10	14	5	10	10	9	13	8	10	9	16	9
Somewhat support	27	31	24	25	24	30	28	26	24	31	39	26
Somewhat oppose	30	25	30	35	30	30	30	30	29	33	12	32
Strongly oppose	16	13	18	18	14	19	8	21	15	19	7	18
Don't know	17	17	23	12	22	13	21	15	22	9	26	16
SUPPORT (TOTAL)	37	45	29	35	34	39	41	34	34	40	55	35
OPPOSE (TOTAL)	46	38	48	53	44	49	38	51	44	52	19	50
SUPPORT (NET)	−9	+7	−19	−18	−10	−10	+3	−17	−10	−12	+36	−15
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[39] For each of the following messages, please state how convincing, if at all, each is as a reason to **oppose** the recently proposed Michigan Clean Fuel Standard bill:

— Michiganders need climate policies that address the health impacts caused by industrial animal agriculture and oil and gas production. Promoting manure-derived biogas will lead to more industrial pollution that causes our community to face asthma and other chronic health conditions.

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very convincing	22	35	17	14	23	21	25	21	21	24	39	19
Somewhat convincing	44	46	47	39	46	41	46	43	47	38	44	44
Not very convincing	23	14	24	30	22	24	22	23	22	24	11	26
Not at all convincing	11	4	12	17	9	14	6	14	10	13	6	11
CONVINCING (TOTAL)	66	81	64	53	69	62	71	64	68	62	83	63
NOT CONVINCING (TOTAL)	34	18	36	47	31	38	28	37	32	37	17	37
CONVINCING (NET)	+32	+63	+28	+6	+38	+24	+43	+27	+36	+25	+66	+26
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[40] For each of the following messages, please state how convincing, if at all, each is as a reason to **oppose** the recently proposed Michigan Clean Fuel Standard bill:

— Michiganders deserve clean air to breathe and clean water to drink. Awarding credits for and using taxpayer dollars to fund the production of biogas on factory farms does neither of these things. This bill would create more dirty runoff, contamination of drinking water, and emissions that pollute our environment and harm the health of our lakes and the ecosystems they support.

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very convincing	28	35	29	19	29	26	29	27	30	23	35	27
Somewhat convincing	45	47	39	47	45	44	47	43	45	43	39	46
Not very convincing	17	11	22	18	16	18	15	18	17	17	17	18
Not at all convincing	11	6	10	16	10	12	9	12	8	16	9	10
CONVINCING (TOTAL)	73	82	68	66	74	70	76	70	75	66	74	73
NOT CONVINCING (TOTAL)	28	17	32	34	26	30	24	30	25	33	26	28
CONVINCING (NET)	+45	+65	+36	+32	+48	+40	+52	+40	+50	+33	+48	+45
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[41] For each of the following messages, please state how convincing, if at all, each is as a reason to **oppose** the recently proposed Michigan Clean Fuel Standard bill:

— Climate policies that give large financial incentives to oil and gas companies and factory farms aren't real climate policies. Transportation fuel made from manure burns no cleaner than natural fossil gas. This is a greenwashing bill that companies are using to give themselves a continued license to pollute.

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very convincing	23	31	23	16	24	22	22	24	25	20	26	22
Somewhat convincing	44	49	43	38	45	42	49	41	44	43	52	43
Not very convincing	23	16	23	29	22	23	21	23	22	23	17	25
Not at all convincing	11	4	11	17	9	13	8	12	9	14	4	10
CONVINCING (TOTAL)	67	80	66	54	69	64	71	65	69	63	78	65
NOT CONVINCING (TOTAL)	34	20	34	46	31	36	29	35	31	37	21	35
CONVINCING (NET)	+33	+60	+32	+8	+38	+28	+42	+30	+38	+26	+57	+30
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[42] For each of the following messages, please state how convincing, if at all, each is as a reason to **oppose** the recently proposed Michigan Clean Fuel Standard bill:

— Michiganders deserve environmental policies that are not influenced by oil and gas companies, utility companies, or large agricultural companies. We wouldn't allow tobacco companies to be involved in health care policy, so why should we involve major polluters in environmental policies?

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very convincing	31	44	28	20	31	31	30	31	32	29	35	29
Somewhat convincing	40	38	40	42	41	38	44	38	41	38	46	41
Not very convincing	19	14	19	23	19	18	19	18	18	20	15	20
Not at all convincing	11	4	13	15	9	13	7	12	9	13	4	10
CONVINCING (TOTAL)	71	82	68	62	72	69	74	69	73	67	81	70
NOT CONVINCING (TOTAL)	30	18	32	38	28	31	26	30	27	33	19	30
CONVINCING (NET)	+41	+64	+36	+24	+44	+38	+48	+39	+46	+34	+62	+40
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[43] For each of the following messages, please state how convincing, if at all, each is as a reason to **oppose** the recently proposed Michigan Clean Fuel Standard bill:

— Incentivizing large industrial agriculture companies to produce manure biogas will not only hurt human and environmental health but also harm rural communities and risk farm animal welfare and safety by encouraging the expansion of industrial livestock facilities.

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very convincing	21	28	20	13	22	19	21	20	22	18	31	18
Somewhat convincing	42	47	47	33	45	39	48	39	42	42	47	42
Not very convincing	26	20	23	36	23	30	23	28	27	25	14	29
Not at all convincing	11	6	10	17	10	12	7	13	9	15	8	10
CONVINCING (TOTAL)	63	75	67	46	67	58	69	59	64	60	78	60
NOT CONVINCING (TOTAL)	37	26	33	53	33	42	30	41	36	40	22	39
CONVINCING (NET)	+26	+49	+34	−7	+34	+16	+39	+18	+28	+20	+56	+21
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[44] For each of the following messages, please state how convincing, if at all, each is as a reason to **oppose** the recently proposed Michigan Clean Fuel Standard bill:

— The valuable credits awarded to big agricultural companies from this bill will lead to the continued expansion of factory farms, risking increased greenhouse gas emissions, air and water pollution, and the explosion of diseases like avian flu that could start the next human pandemic.

Response	Topline	Democrat	Independent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Very convincing	21	27	23	13	23	18	20	21	22	18	27	20
Somewhat convincing	44	53	40	39	45	43	48	42	45	42	54	41
Not very convincing	23	15	24	30	21	25	21	24	23	24	12	27
Not at all convincing	13	6	14	19	11	14	11	13	10	17	7	11
CONVINCING (TOTAL)	65	80	63	52	68	61	68	63	67	60	81	61
NOT CONVINCING (TOTAL)	36	21	38	49	32	39	32	37	33	41	19	38
CONVINCING (NET)	+29	+59	+25	+3	+36	+22	+36	+26	+34	+19	+62	+23
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[45] Now, thinking again of the messages you just read, which of the following is the **most** convincing reason to **oppose** the recently proposed Michigan Clean Fuel Standard bill?

Response	Topline	Democrat	Inde-pendent / Third party	Repub-lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Michiganders need climate policies that address the health impacts caused by industrial animal agriculture and oil and gas production. Promoting the production of manure-derived biogas will lead to more industrial pollution that causes our community to face asthma and other chronic health conditions.	9	11	8	7	10	8	13	7	9	8	13	8
Michiganders deserve clean air to breathe and clean water to drink. Awarding credits for and using taxpayer dollars to fund the production of biogas from manure does neither of these things. This bill would create more dirty runoff, contamination of drinking water, and emissions that pollute our environment and harm the health of our lakes and the ecosystems they support.	22	26	21	20	24	20	22	22	22	22	20	23

Response	Topline	Democrat	Inde-pendent / Third party	Repub lican	Female	Male	Under 45	45+	No College	College	Black or African American	White
Climate policies that give large financial incentives to oil and gas companies and factory farms aren't real climate policies. Transportation fuel made from manure burns no cleaner than natural fossil gas. This is a greenwashing bill that companies are using to give themselves a continued license to pollute.	11	12	11	10	9	14	13	10	11	12	11	12
Michiganders deserve environmental policies that are not influenced by oil and gas companies, utility companies, or large agricultural companies. We wouldn't allow tobacco companies to be involved in health care policy, so why should we involve major polluters in environmental policies?	21	27	15	20	20	22	18	23	20	23	19	23
Incentivizing large industrial agriculture companies to produce manure biogas will not only harm human and environmental health but also harm rural communities and risk farm animal welfare and safety by encouraging the expansion of industrial livestock facilities.	7	5	4	12	8	6	6	8	5	11	4	7
The valuable credits awarded to big agricultural companies from this bill will lead to the continued expansion of factory farms, risking increased greenhouse gas emissions, air and water pollution, and the explosion of diseases like avian flu that could start the next human pandemic.	7	6	7	7	5	8	7	7	7	7	12	7
Don't know	23	12	33	24	24	21	21	24	26	17	22	21
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657

[46] Which of these statements best describes your view, even if neither is exactly right?

Response	Topline	Democrat	Inde-pendent / Third party	Republican	Female	Male	Under 45	45+	No College	College	Black or African American	White
I would trust climate and energy legislation heavily influenced by oil and gas companies and utilities. We need everyone on deck to address climate change, and their expertise and role in the energy industry is an important perspective to incorporate into policy.	23	19	23	27	20	27	21	24	22	24	28	23
I would not trust climate and energy legislation heavily influenced by oil and gas companies and utilities. We shouldn't allow these companies to write policies that will enable them to make money off of the harms they cause to people, farm animals, and the environment.	68	79	60	64	69	67	66	69	66	71	64	69
Don't know	9	2	16	10	11	7	13	7	11	5	8	8
Weighted N	834	283	271	280	441	393	282	552	550	284	93	657