

# The ESSEX Carbon Tax Profiles



Ethan Allen Institute

---

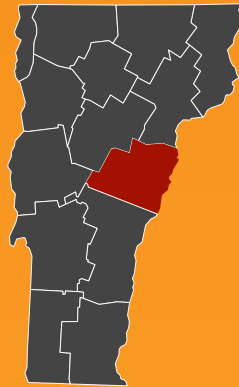
FREE MARKET SOLUTIONS FOR VERMONT





# The ESSEX Carbon Tax Profile Reference Sheet

| Carbon Tax Profile #:                           | 1             | 2               | 3              | 4                 | 5                 | 6              |
|---|---------------|-----------------|----------------|-------------------|-------------------|----------------|
| Household County                                | Orange County | Franklin County | Addison County | Chittenden County | Grand Isle County | Windham County |
| Name  | Bob Yandow    | Browns          | Williams       | Nick Khan         | Murphys           | Mike Evans     |
| Household:                                      | Lives Alone   | 4 People        | 2 People       | 2 People          | 3 People          | Lives Alone    |
| Annual Income                                   | \$24,500      | \$68,400        | \$56,500       | \$37,000          | \$74,800          | \$20,900       |
| \$ in Budget for Energy Efficiency Upgrades     | None          | None            | None           | None              | None              | None           |
| Net Impact = Carbon Tax Total - Rebates         | -\$67         | -\$176          | -\$180         | -\$79             | -\$348            | -\$680         |
| Carbon Tax Total (Gas + Heat), 2026             | \$388         | \$393           | \$333          | \$137             | \$703             | \$1251         |
| Gasoline Tax, 2026                              | \$230         | \$384           | \$173          | \$99              | \$96              | \$200          |
| Heating Tax, 2026                               | \$158         | \$9             | \$160          | \$38              | \$607             | \$1,051        |
| Gal. Gas Per Year                               | 720           | 1200            | 540            | 310               | 300               | 624            |
| Gal. Heating Oil Per Year                       | 0             | 0               | 400            | 0                 | 1518              | 2630           |
| Gal. Propane Per Year                           | 658           | 0               | 0              | 0                 | 0                 | 0              |
| CCF Natural Gas Per Year                        | 0             | 39              | 0              | 80                | 0                 | 0              |
| Low-Income, Electricity and Rural Rebates, 2026 | \$321         | \$217           | \$153          | \$58              | \$350             | \$572          |



### Orange County Household

Name: Bob Yandow

Age(s): 68

Occupation(s): Retired

Household: Lives Alone

Annual Income: \$24,500

Time Calling Vermont Home: 27 Years

Budget for purchasing energy-efficient heating or electric vehicle: **None**

**Net Impact = Carbon Tax Total - Rebates**

**2019: -\$9 / 2026: -\$67**

### Bob's Taxes:

Carbon Tax Total: (2019:\$49/2026: \$388)

Gasoline Tax Total: (2019:\$29/2026:\$230)

Heating Tax Total: (2019:\$20/2026:\$158)

Gal. Gas per: (Month: 60 / Year: 720) Tax per Gal. Gasoline: (2019: \$0.04 / 2026: \$0.32)

Gal. Diesel per: (Month: 0 / Year: 0) Tax per Gal. Diesel: (2019: \$0.05 / 2026: \$0.40)

Gal. Heating Oil per: (Month: 0 / Year: 0) Tax per Gal. Heating Oil: (2019: \$0.05 / 2026: \$0.40)

Gal. Propane per: (Month: 132 / Year: 658) Tax per Gal. Propane: (2019: \$0.03 / 2026: \$0.24)

CCF Natural Gas per: (Month: 0 / Year: 0) Tax per CCF Natural Gas: (2019: \$0.03 / 2026: \$0.24)

### Bob's Rebates:

Earns Back on 3 Rebates After Administrative Costs, (2019: \$40 / 2026: \$321)

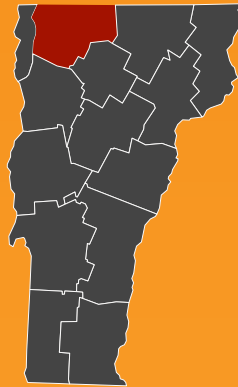
Rebate 1 (Low-Income) After Administrative Costs, (2019: \$13 / 2026: \$106)

Rebate 2 (Electricity) After Administrative Costs, (2019: \$14 / 2026: \$111) kWh of Electricity per (Month: 525 / Year: 6300)

Rebate 3 (Rural) After Administrative Costs, (2019: \$13 / 2026: \$106)

NOTES: The proposed ESSEX Carbon Tax is a program that would tax fossil fuel use and use the revenue (after administrative costs) to subsidize electric rates and provide rebates to low income and rural Vermonters. The Ethan Allen Institute surveyed over 60 Vermont households in compiling this series of profiles. Where data from a single household was complete, the profile represents a real person or family, though the names and images have been changed to protect anonymity. Where one survey did not provide complete information, compilations based on multiple survey respondents were used to create an accurate representation of a Vermont household. The above profile uses ~95% real survey data with ~5% generated data. The numbers may not sum due to rounding. There are discrepancies between the proposal made to the legislature and the actual legislation crafted from the proposal. Where such discrepancies exist, we used the legislative language in calculating these results. Rebates assume administrative costs based on World Bank estimates of governmental redistribution efficiency for a revenue-neutral carbon tax program.





### Franklin County Household

Name: The Browns  
Age(s): 36, 34, 7, and 4  
Occupation(s): Parking Officer, Pre-K Teacher  
Household: 4 People  
Annual Income: \$68,400  
Time Calling Vermont Home: Entire Lives  
Budget for purchasing energy-efficient heating or electric vehicle: **None**

**Net Impact = Carbon Tax Total - Rebates**

2019: -\$22 / 2026: -\$176

### The Browns' Taxes :

Carbon Tax Total: (2019:\$49 / 2026: \$393)

Gasoline Tax Total: (2019:\$48 / 2026:\$384)

Heating Tax Total: (2019:\$1 / 2026:\$9)

Gal. Gas per: (Month: 100 / Year: 1200)

Gal. Diesel per: (Month: 0 / Year: 0)

Gal. Heating Oil per: (Month: 0 / Year: 0)

Gal. Propane per: (Month: 0 / Year: 0)

CCF Natural Gas per: (Month: 8 / Year: 39)

Tax per Gal. Gasoline: (2019: \$0.04 / 2026: \$0.32)

Tax per Gal. Diesel: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Heating Oil: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Propane: (2019: \$0.03 / 2026: \$0.24)

Tax per CCF Natural Gas: (2019: \$0.03 / 2026: \$0.24)

### The Browns' Rebates:

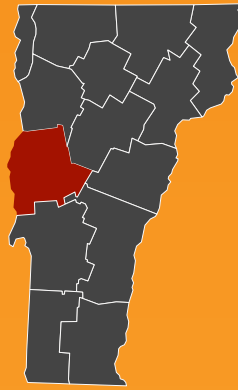
Earns Back on 3 Rebates After Administrative Costs, (2019: \$27 / 2026: \$217)

Rebate 1 (Low-Income) After Administrative Costs, (2019: \$13 / 2026: \$106)

Rebate 2 (Electricity) After Administrative Costs, (2019: \$14 / 2026: \$111)      kWh of Electricity per (Month: 534 / Year: 6402)

Rebate 3 (Rural) After Administrative Costs, (2019: \$0 / 2026: \$0)

NOTES: The proposed ESSEX Carbon Tax is a program that would tax fossil fuel use and use the revenue (after administrative costs) to subsidize electric rates and provide rebates to low income and rural Vermonters. The Ethan Allen Institute surveyed over 60 Vermont households in compiling this series of profiles. Where data from a single household was complete, the profile represents a real person or family, though the names and images have been changed to protect anonymity. Where one survey did not provide complete information, compilations based on multiple survey respondents were used to create an accurate representation of a Vermont household. The above profile uses ~95% real survey data with ~5% generated data. The numbers may not sum due to rounding. There are discrepancies between the proposal made to the legislature and the actual legislation crafted from the proposal. Where such discrepancies exist, we used the legislative language in calculating these results. Rebates assume administrative costs based on World Bank estimates of governmental redistribution efficiency for a revenue-neutral carbon tax program.



### Addison County Household

Name: The Williams  
Age(s): 72 and 70  
Occupation(s): Retired  
Household: 2 People  
Annual Income: \$56,500  
Time Calling Vermont Home: 31 Years  
Budget for purchasing energy-efficient heating or electric vehicle: **None**

**Net Impact = Carbon Tax Total - Rebates**

2019: -\$23 / 2026: -\$180

### The Williams' Taxes :

Carbon Tax Total: (2019:\$42 / 2026: \$333)

Gasoline Tax Total: (2019:\$22 / 2026:\$173)

Heating Tax Total: (2019:\$20 / 2026:\$160)

Gal. Gas per: (Month: 45 / Year: 540)

Gal. Diesel per: (Month: 0 / Year: 0)

Gal. Heating Oil per: (Month: 80 / Year: 400)

Gal. Propane per: (Month: 0 / Year: 0)

CCF Natural Gas per: (Month: 0 / Year: 0)

Tax per Gal. Gasoline: (2019: \$0.04 / 2026: \$0.32)

Tax per Gal. Diesel: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Heating Oil: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Propane: (2019: \$0.03 / 2026: \$0.24)

Tax per CCF Natural Gas: (2019: \$0.03 / 2026: \$0.24)

### The Williams' Rebates:

Earns Back on 3 Rebates After Administrative Costs, (2019: \$19 / 2026: \$153)

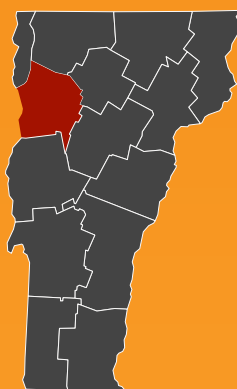
Rebate 1 (Low-Income) After Administrative Costs, (2019: \$0 / 2026: \$0)

Rebate 2 (Electricity) After Administrative Costs, (2019: \$19 / 2026: \$153) kWh of Electricity per (Month: 732 / Year: 8784)

Rebate 3 (Rural) After Administrative Costs, (2019: \$0 / 2026: \$0)

NOTES: The proposed ESSEX Carbon Tax is a program that would tax fossil fuel use and use the revenue (after administrative costs) to subsidize electric rates and provide rebates to low income and rural Vermonters. The Ethan Allen Institute surveyed over 60 Vermont households in compiling this series of profiles. Where data from a single household was complete, the profile represents a real person or family, though the names and images have been changed to protect anonymity. Where one survey did not provide complete information, compilations based on multiple survey respondents were used to create an accurate representation of a Vermont household. The above profile uses 100% real survey data with 0% generated data. The numbers may not sum due to rounding.

There are discrepancies between the proposal made to the legislature and the actual legislation crafted from the proposal. Where such discrepancies exist, we used the legislative language in calculating these results. Rebates assume administrative costs based on World Bank estimates of governmental redistribution efficiency for a revenue-neutral carbon tax program.



### Addison County Household

Name: Nick Kahn

Age(s): 25

Occupation(s): Web Designer

Household: 2 People (roommate shares expenses)

Annual Income: \$37,000

Time Calling Vermont Home: Entire Life

Energy Efficient Heating: Not An Option (Renter)

Budget for purchasing energy-efficient heating or electric vehicle: **None**

**Net Impact = Carbon Tax Total - Rebates**

**2019: -\$10 / 2026: -\$79**

### Nick's Taxes :

Carbon Tax Total: (2019:\$17 / 2026: \$137)

Gasoline Tax Total: (2019:\$12 / 2026:\$99)

Heating Tax Total: (2019:\$5 / 2026:\$38)(\$ and CCF Split of HH Total With Roommate)

Gal. Gas per: (Month: 26 / Year: 310)

Gal. Diesel per: (Month: 0 / Year: 0)

Gal. Heating Oil per: (Month: 0 / Year: 0)

Gal. Propane per: (Month: 0 / Year: 0)

CCF Natural Gas per: (Month: 16 / Year: 80)

Tax per Gal. Gasoline: (2019: \$0.04 / 2026: \$0.32)

Tax per Gal. Diesel: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Heating Oil: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Propane: (2019: \$0.03 / 2026: \$0.24)

Tax per CCF Natural Gas: (2019: \$0.03 / 2026: \$0.24)

### Nick's Rebates: (Split of HH Total With Roommate)

Earns Back on 3 Rebates After Administrative Costs, (2019: \$7 / 2026: \$58)

Rebate 1 (Low-Income) After Administrative Costs, (2019: \$0 / 2026: \$0)

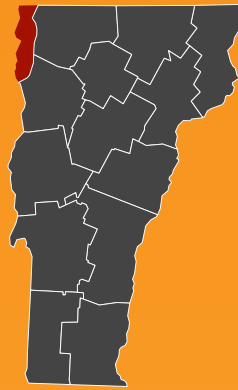
Rebate 2 (Electricity) After Administrative Costs, (2019: \$7 / 2026: \$58) kWh of Electricity per (Month: 280 / Year: 3913)

Rebate 3 (Rural) After Administrative Costs, (2019: \$0 / 2026: \$0)

NOTES: The proposed ESSEX Carbon Tax is a program that would tax fossil fuel use and use the revenue (after administrative costs) to subsidize electric rates and provide rebates to low income and rural Vermonters. The Ethan Allen Institute surveyed over 60 Vermont households in compiling this series of profiles. Where data from a single household was complete, the profile represents a real person or family, though the names and images have been changed to protect anonymity. Where one survey did not provide complete information, compilations based on multiple survey respondents were used to create an accurate representation of a Vermont household. The above profile uses ~90% real survey data with ~10% generated data. The numbers may not sum due to rounding.

There are discrepancies between the proposal made to the legislature and the actual legislation crafted from the proposal. Where such discrepancies exist, we used the legislative language in calculating these results. Rebates assume administrative costs based on World Bank estimates of governmental redistribution efficiency for a revenue-neutral carbon tax program.





### Grand Isle County Household

Name: The Murphy's

Age(s): 66, 64, and 7

Occupation(s): Store Owner

Household: 3 People

Annual Income: \$74,800

Time Calling Vermont Home: Entire Lives

Budget for purchasing energy-efficient heating or electric vehicle: **None**

**Net Impact = Carbon Tax Total - Rebates**

**2019: -\$44 / 2026: -\$348**

### The Murphy's Taxes :

Carbon Tax Total: (2019:\$88 / 2026: \$703)

Gasoline Tax Total: (2019:\$12 / 2026:\$96)

Heating Tax Total: (2019:\$76 / 2026:\$607)

Gal. Gas per: (Month: 25 / Year: 300)

Gal. Diesel per: (Month: 0 / Year: 0)

Gal. Heating Oil per: (Month: 304 / Year: 1518)

Gal. Propane per: (Month: 0 / Year: 0)

CCF Natural Gas per: (Month: 0 / Year: 0)

Tax per Gal. Gasoline: (2019: \$0.04 / 2026: \$0.32)

Tax per Gal. Diesel: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Heating Oil: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Propane: (2019: \$0.03 / 2026: \$0.24)

Tax per CCF Natural Gas: (2019: \$0.03 / 2026: \$0.24)

### The Murphy's Rebates:

Earns Back on 3 Rebates After Administrative Costs, (2019: \$44 / 2026: \$305)

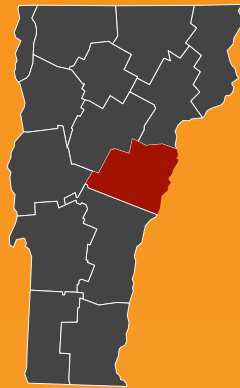
Rebate 1 (Low-Income) After Administrative Costs, (2019: \$0 / 2026: \$0)

Rebate 2 (Electricity) After Administrative Costs, (2019: \$31 / 2026: \$249)      kWh of Electricity per (Month: 1192 / Year: 14304)

Rebate 3 (Rural) After Administrative Costs, (2019: \$13 / 2026: \$106)

NOTES: The proposed ESSEX Carbon Tax is a program that would tax fossil fuel use and use the revenue (after administrative costs) to subsidize electric rates and provide rebates to low income and rural Vermonters. The Ethan Allen Institute surveyed over 60 Vermont households in compiling this series of profiles. Where data from a single household was complete, the profile represents a real person or family, though the names and images have been changed to protect anonymity. Where one survey did not provide complete information, compilations based on multiple survey respondents were used to create an accurate representation of a Vermont household. The above profile uses 100% real survey data with 0% generated data. The numbers may not sum due to rounding.

There are discrepancies between the proposal made to the legislature and the actual legislation crafted from the proposal. Where such discrepancies exist, we used the legislative language in calculating these results. Rebates assume administrative costs based on World Bank estimates of governmental redistribution efficiency for a revenue-neutral carbon tax program.



### Windham County Household

Name: Mike Evans  
Age(s): 53  
Occupation(s): Retail Clerk  
Household: Lives Alone  
Annual Income: \$20,900  
Time Calling Vermont Home: Entire Life  
Budget for purchasing energy-efficient heating or electric vehicle: **None**

**Net Impact = Carbon Tax Total - Rebates**

**2019: -\$85 / 2026: -\$680**

### Mike's Taxes :

Carbon Tax Total: (2019:\$157 / 2026: \$1251)

Gasoline Tax Total: (2019:\$25 / 2026:\$200)

Heating Tax Total: (2019:\$132 / 2026:\$1051)

Gal. Gas per: (Month: 52 / Year: 624)

Gal. Diesel per: (Month: 0 / Year: 0)

Gal. Heating Oil per: (Month: 526 / Year: 2630)

Gal. Propane per: (Month: 0 / Year: 0)

CCF Natural Gas per: (Month: 0 / Year: 0)

Tax per Gal. Gasoline: (2019: \$0.04 / 2026: \$0.32)

Tax per Gal. Diesel: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Heating Oil: (2019: \$0.05 / 2026: \$0.40)

Tax per Gal. Propane: (2019: \$0.03 / 2026: \$0.24)

Tax per CCF Natural Gas: (2019: \$0.03 / 2026: \$0.24)

### Mike's Rebates:

Earns Back on 3 Rebates After Administrative Costs, (2019: \$71 / 2026: \$572)

Rebate 1 (Low-Income) After Administrative Costs, (2019: \$32 / 2026: \$223)

Rebate 2 (Electricity) After Administrative Costs, (2019: \$26 / 2026: \$210) kWh of Electricity per (Month: 1007 / Year: 12,084)

Rebate 3 (Rural) After Administrative Costs, (2019: \$13 / 2026: \$106)

NOTES: The proposed ESSEX Carbon Tax is a program that would tax fossil fuel use and use the revenue (after administrative costs) to subsidize electric rates and provide rebates to low income and rural Vermonters. The Ethan Allen Institute surveyed over 60 Vermont households in compiling this series of profiles. Where data from a single household was complete, the profile represents a real person or family, though the names and images have been changed to protect anonymity. Where one survey did not provide complete information, compilations based on multiple survey respondents were used to create an accurate representation of a Vermont household. The above profile uses 100% real survey data with 0% generated data. The numbers may not sum due to rounding.

There are discrepancies between the proposal made to the legislature and the actual legislation crafted from the proposal. Where such discrepancies exist, we used the legislative language in calculating these results. Rebates assume administrative costs based on World Bank estimates of governmental redistribution efficiency for a revenue-neutral carbon tax program.