

ANNUAL IMPACT OF THE ESSEX CARBON TAX - PROFILE #4

Chittenden County Household

Name: Nick Khan
 Age: 25
 Occupation: **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 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: (2019: \$12 / 2026: \$99)

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

Gal. Gas per: (Month: 26 / Year: 310)	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: 0 / Year: 0)	Tax per Gal. Propane: (2019: \$0.03 / 2026: \$0.24)
CCF Natural Gas per: (Month: 16 / Year: 80)	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)	kWh of Electricity per: (Month: 280 / Year: 3913)
Rebate 2 (Electricity) After Administrative Costs: (2019: \$7 / 2026: \$58)	
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.

ANNUAL IMPACT OF THE ESSEX CARBON TAX - PROFILE #3

Addison County Household

Name: **The Williams**

Ages: **72 and 70**

Occupation: **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: (2019: \$22 / 2026: \$173)

Heating Tax: (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)

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

kWh of Electricity per: (Month: 732 / Year: 8784)

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ANNUAL IMPACT OF THE ESSEX CARBON TAX - PROFILE #2

Franklin County Household

Name(s): **The Browns**

Ages: **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: (2019: \$48 / 2026: \$384)

Heating Tax: (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)

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

kWh of Electricity per: (Month: 534 / Year: 6402)

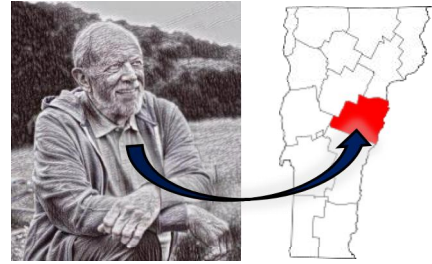
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ANNUAL IMPACT OF THE ESSEX CARBON TAX - PROFILE #1

Orange County Household

Name: **Bob Yandow**
Age: **68**
Occupation: **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: (2019: \$29 / 2026: \$230)

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

Gal. Gas per: (Month: 60 / Year: 720)

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

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

Gal. Propane per: (Month: 132 / Year: 658)

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)

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)

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

kWh of Electricity per: (Month: 525 / Year: 6300)

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