

Total Populationⁱ (2015): 24,988

Proj. Annual Avg. Growth Rateⁱⁱ: ↓ 0.00288

Population Density: 72.5 persons/
square mile





Households

Owner-Occupied Unitsⁱⁱⁱ: 7,754

Renter- Occupied Unitsⁱⁱⁱ: 2,921

Total Householdsⁱⁱⁱ: 15,261

Avg. Household Size: 2.27 people/

household



Businesses™

Total businesses in the region: 901
Employees working in the region: 9,785
Average wage^v: \$42,313



Heating

Residentialⁱ (see figure) Businesses^{vi}:

Estimated avg. building space: 8,320 sq. ft.
Total energy use: 360.9 billion
BTUs

Estimated total annual cost: \$8.6 million Avg. annual cost per business: \$9,553



Transportation

Number of vehicles: 18,790
Estimated vehicle miles traveled: 283.3 million
Estimated gal. fuel used per year: 15.2 million
Estimated fuel cost per year: \$35.2 million



Electricity Use

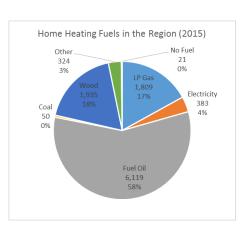
Electricity Usage in 2015^{vii} (see figure) Avg. Residential Usage: 6,535 KWh Total Usage (2014-2016): \downarrow 2.6 million

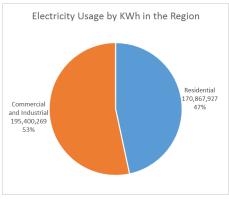
KWh

↓ 1.3%

Southern Windsor County RPC









Existing Renewable Energy Generation

Solar	276 sites	6.6 MW	8,087 MWh
Wind	4 sites	0.02 MW	65 MWh
Hydro	6 sites	2.8 MW	9,790 MWh
Biomass	0	0	0

Renewable Energy Generation Targetsviii

2015 (Baseline)	17,942 MWh
2025	48,653 MWh
2035	97,306 MWh
2050	194,612 MWh

Potential for Renewable Energy Generationix

 Rooftop Solar
 19.46 MW
 23,866 MWh

 Ground-Mounted Solar
 2,251.59 MW
 2,761,350 MWh

 Wind
 8,283.36 MW
 25,396,782 MWh

 Hydro
 1.6 MW
 5,606 MWh

ⁱ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Average wage as shown is for Windsor County (Vermont Department of Labor Statistics, 2015)

vi Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vii Efficiency Vermont (2017)

viii SWCRPC

^{ix} Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)



Total Populationⁱ (2015): 550

Proj. Annual Avg. Growth Rateⁱⁱ: ↑ 0.00106
Population Density: 19.12 persons/

square mile



Households

Owner-Occupied Unitsⁱⁱⁱ: 187 Renter- Occupied Unitsⁱⁱⁱ: 31 Total Householdsⁱⁱⁱ: 408

Avg. Household Sizeiii: 2.14 people/

household



Businesses™

Total businesses in Andover: 12
Employees working in Andover: 36
Average wage: \$34,275



Heating

Residentialⁱ (see figure)

Businessesv:

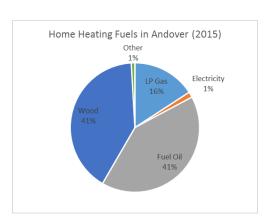
Estimated avg. building space: 2,298 sq. ft.

Total energy use: 998.3

million BTUs

Estimated total annual cost: \$23,806 Avg. annual cost per business: \$1,984

. ailitual cost per busilless.



Electricity Usage by KWh in Andover

Commercial.

and Industrial 269,331

10%



Transportation

Number of vehicles: 323

Estimated vehicle miles traveled: 6.2 million Estimated gal. fuel used per year: 288,848 Estimated fuel cost per year: \$989,306

Residents driving alone to work: 69%

Average commute time: 22 minutes



Electricity Use

Electricity Usage in 2015^{vi} (see figure) Avg. Residential Usage: 6,465 KWh

Total Usage (2014-2016): ↓ 229,958 KWh

↓ 7.5%





Existing Renewable Energy Generation

Solar	11 sites	69 KW	84,376 KWh
Wind	0	0	0
Hydro	0	0	0
Biomass	0	0	0

Renewable Energy Generation Targetsvii

2015 (Baseline)	84.4 MWh
2025	2,565 MWh
2035	5,131 MWh
2050	10,261 MWh

Rooftop Solar	0.55 MW	672 MWh
Ground-Mounted Solar	285 MW	349,570 MWh
Wind	2,121 MW	6,502,220 MWh
Hydro	0	0

¹ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

^{II} Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vi Efficiency Vermont (2017)

vii SWCRPC

viii Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)



Total Populationⁱ (2015): 292

Proj. Annual Avg. Growth Rateⁱⁱ: 个 0.002207 Population Density: 62.5 persons/

square mile



Households

Owner-Occupied Unitsiii: 78 Renter- Occupied Unitsiii: 12 Total Householdsiii: 100

Avg. Household Sizeii: 2.71 people/

household



Businesses™

Total businesses in Baltimore: 6 Employees working in Baltimore: 11 \$20,787 Average wage:



Heating

Residentialⁱ (see figure)

Businessesv:

Estimated avg. building space: 1,404 sq. ft. Total energy use: 305 million **BTUs**

Estimated total annual cost: \$7,274 \$1,212 Avg. annual cost per business:



Transportation

Number of vehicles: 323

Estimated vehicle miles traveled: 6.2 million Estimated gal. fuel used per year: 288,848 Estimated fuel cost per year: \$989,306 69% Residents driving alone to work:

Average commute time: 22 minutes



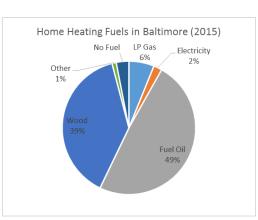
Electricity Use

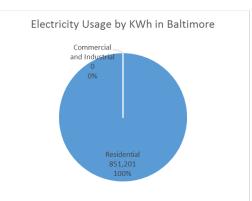
Electricity Usage in 2015vi (see figure) Avg. Residential Usage: 8,224 KWh **↓** 24,732 KWh Total Usage (2014-2016):

↓ 2.8%

Baltimore









Existing Renewable Energy Generation

Solar	3 sites	12.2 KW	14,962 KWh
Wind	0	0	0
Hydro	0	0	0
Biomass	0	0	0

Renewable Energy Generation Targetsvii

2015 (Baseline)	14.9 MWh
2025	874 MWh
2035	1,748 MWh
2050	3,496 MWh

Rooftop Solar	0.15 MW	184 MWh
Ground-Mounted Solar	4.7 MW	5,764 MWh
Wind	1.36 MW	4,170 MWh
Hydro	0	0

¹ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

^{II} Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vi Efficiency Vermont (2017)

vii SWCRPC

viii Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)



Total Populationⁱ (2015): 1,504

Proj. Annual Avg. Growth Rateⁱⁱ: ↓ 0.00379

Population Density: 37.9 persons/





Households

Owner-Occupied Unitsⁱⁱⁱ: 491
Renter- Occupied Unitsⁱⁱⁱ: 107
Total Householdsⁱⁱⁱ: 965

Avg. Household Sizeⁱⁱⁱ: 2.26 people/



Businesses™

Total businesses in Cavendish: 46
Employees working in Cavendish: 335
Average wage: \$30,002



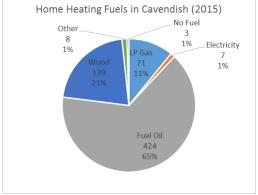
Heating

Residentialⁱ (see figure)

Businesses^v:

Estimated avg. building space: 5,562 sq. ft.
Total energy use: 21.2 billion
BTUs

Estimated total annual cost: \$504,572 Avg. annual cost per business: \$10,969



Cavendish

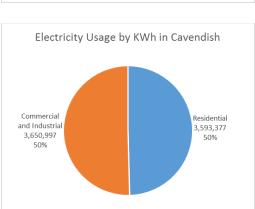


Transportation

Number of vehicles: 1211
Estimated vehicle miles traveled: 18.02 million
Estimated gal. fuel used per year: 968,582
Estimated fuel cost per year: \$2.2 million

Residents driving alone to work: 76%

Average commute time: 26 minutes





Electricity Use

Electricity Usage in 2015^{vi} (see figure) Avg. Residential Usage: 6,255 KWh

Total Usage (2014-2016): \downarrow 1.05 million KWh

↓ 12.6%



Existing Renewable Energy Generation

Solar	20 sites	261.3 KW	320,458 KWh
Wind	1	2 KW	6,132 KWh
Hydro	1	1,716 KW	6,013,000 KWh
Biomass	0	0	0

Renewable Energy Generation Targetsvii

2015 (Baseline)	6,339.6 MWh
2025	3,390 MWh
2035	6,779 MWh
2050	13,558 MWh

Rooftop Solar	1.48 MW	1,815 MWh
Ground-Mounted Solar	300.3 MW	368,288 MWh
Wind	632.9 MW	1,940,471 MWh
Hydro	0.014 MW	49.1 MWh

¹ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

^{II} Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vi Efficiency Vermont (2017)

vii SWCRPC

viii Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)



Total Populationⁱ (2015): 3,110 Proj. Annual Avg. Growth Rateⁱⁱ: 0.0

Population Density: 55.6 persons/

square mile



Households

Owner-Occupied Unitsⁱⁱⁱ: 1,040
Renter- Occupied Unitsⁱⁱⁱ: 362
Total Householdsⁱⁱⁱ: 1,793

Avg. Household Sizeⁱⁱⁱ: 2.25 people/

household



Businesses™

Total businesses in Chester: 129
Employees working in Chester: 909
Average wage: \$37,378



Heating

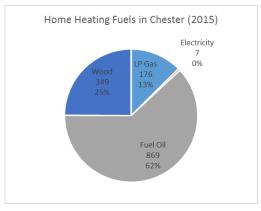
Residentialⁱ (see figure)

Businessesv:

Estimated avg. building space: 5,398 sq. ft.
Total energy use: 33.8 billion
BTUs

Estimated total annual cost: \$806,005

Avg. annual cost per business: \$6,248



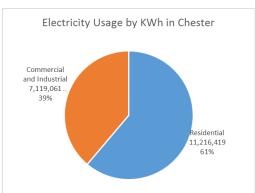
Chester



Transportation

Number of vehicles: 2,694
Estimated vehicle miles traveled: 35.5 million
Estimated gal. fuel used per year: 1.9 million
Estimated fuel cost per year: \$4.4 million
Residents driving alone to work: 71%

Average commute time: 21 minutes





Electricity Use

Electricity Usage in 2015^{vi} (see figure)
Avg. Residential Usage: 6,689 KWh
Total Usage (2014-2016): ↑ 254,657 KWh

1.4%



Existing Renewable Energy Generation

Solar	38 sites	2.17 MW	2,666.6 MWh
Wind	0	0	0
Hydro	0	0	0
Biomass	0	0	0

Renewable Energy Generation Targetsvii

2015 (Baseline)	6,666.6 MWh
2025	6,004 MWh
2035	12,008 MWh
2050	24,015 MWh

Rooftop Solar	3.1 MW	3,802 MWh
Ground-Mounted Solar	517.2 MW	634,306 MWh
Wind	854.6 MW	2,620,326 MWh
Hydro	0.016 MW	56 MWh

¹ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

^{II} Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vi Efficiency Vermont (2017)

vii SWCRPC

viii Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)



Total Populationⁱ (2015): 2,140

Proj. Annual Avg. Growth Rateⁱⁱ: ↓ 0.01048

Population Density: 59.9 persons,





Households

Owner-Occupied Unitsⁱⁱⁱ: 611
Renter- Occupied Unitsⁱⁱⁱ: 319
Total Householdsⁱⁱⁱ: 3,285

Avg. Household Sizeⁱⁱⁱ: 2.06 people/



Businesses™

Total businesses in Ludlow: 144
Employees working in Ludlow: 1,925
Average wage: \$30,451



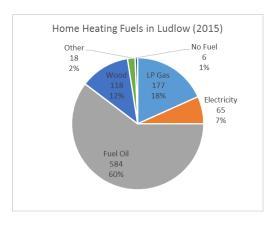
Heating

Residentialⁱ (see figure) Businesses^v:

Estimated avg. building space: 10,240 sq. ft. Total energy use: 53.4 billion

BTUs

Estimated total annual cost: \$1.3 million Avg. annual cost per business: \$8,840



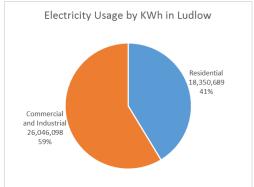
Ludlow



Transportation

Number of vehicles: 1,699
Estimated vehicle miles traveled: 35.5 million
Estimated gal. fuel used per year: 1.9 million
Estimated fuel cost per year: \$4.4 million
Residents driving alone to work: 77%

Average commute time: 19 minutes





Electricity Use

Electricity Usage in 2015^{vi} (see figure) Avg. Residential Usage: 5,491 KWh

Total Usage (2014-2016): \downarrow 2.6 million KWh

↓ 5.5%



Existing Renewable Energy Generation

Solar	18 sites	106.7 KW	130,857 KWh
Wind	0	0	0
Hydro	0	0	0
Biomass	0	0	0

Renewable Energy Generation Targetsvii

2015 (Baseline)	130.9 MWh
2025	5,456 MWh
2035	10,913 MWh
2050	21,825 MWh

Rooftop Solar	7.95 MW	9,750 MWh
Ground-Mounted Solar	197.4 MW	242,091 MWh
Wind	1,285.9 MW	3,942,569 MWh
Hydro	0.065 MW	228 MWh

¹ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

^{II} Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vi Efficiency Vermont (2017)

vii SWCRPC

viii Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)

Reading



Population

Total Populationⁱ (2015): 708

 \downarrow 0.00246 Proj. Annual Avg. Growth Rateⁱⁱ: Population Density: 16.9 persons/

square mile



Households

Owner-Occupied Unitsiii: 246 Renter- Occupied Unitsiii: 44 Total Householdsiii: 448

Avg. Household Sizeiii: 2.3 people/

household



Businesses*

Total businesses in Reading: 17 Employees working in Reading: 85 \$30,701 Average wage:



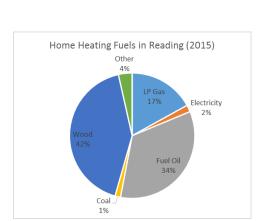
Heating

Residential (see figure)

Businesses^v:

Estimated avg. building space: 3,830 sq. ft. Total energy use: 2.4 billion

BTUs Estimated total annual cost: \$56,209 Avg. annual cost per business: \$3,306





Transportation

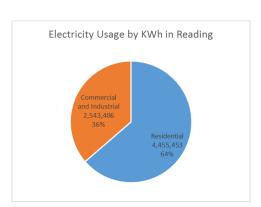
Number of vehicles: 601

Estimated vehicle miles traveledvi: 8.4 million Estimated gal. fuel used per year^{vii}: 451,028 Estimated fuel cost per year^{vii}: \$1.04

million

77% Residents driving alone to work:

27 minutes Average commute time:





Electricity Use

Electricity Usage in 2015viii (see figure) Avg. Residential Usage: 6,565 KWh Total Usage (2014-2016): 个 46,529 KWh

个 0.7%



Existing Renewable Energy Generation

Solar	11 sites	56.3 KW	69,046 KWh
Wind	0	0	0
Hydro	0	0	0
Biomass	0	0	0

Renewable Energy Generation Targetsix

2015 (Baseline)	69 MWh
2025	2,075 MWh
2035	4,149 MWh
2050	8,298 MWh

Potential for Renewable Energy Generation^x

Rooftop Solar	0.81 MW	993 MWh
Ground-Mounted Solar	78.5 MW	96,272 MWh
Wind	2,793 MW	8,563,338 MWh
Hydro	0.001 MW	3.5 MWh

All data presented in this summary is from the U.S. Census Bureau, American Community Survey (ACS) 2011-2015, unless otherwise indicated.

ⁱ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

ⁱⁱ Based on Scenario B population projections for 2030 (VT ACCD, 2013)

[&]quot;U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vi Energy Profile (VTrans, 2015)

vii Estimated based on data from VTrans and U.S. Department of Energy

viii Efficiency Vermont (2017)

ix SWCRPC

x Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)



Total Populationⁱ (2015): 9,258

Proj. Annual Avg. Growth Rateⁱⁱ: ↓ 0.00269

Population Density: 187 persons/





Households

Owner-Occupied Unitsⁱⁱⁱ: 2,657
Renter- Occupied Unitsⁱⁱⁱ: 1,246
Total Householdsⁱⁱⁱ: 4,324
Avg. Household Sizeⁱⁱⁱ: 2.28 people/

household



Businesses™

Total businesses in Springfield: 301
Employees working in Springfield: 4,328
Average wage: \$43,899



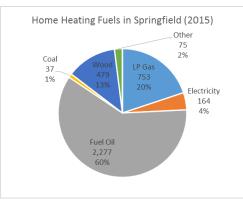
Heating

Residentialⁱ (see figure) Businesses^v:

Estimated avg. building space: 11,017 sq. ft. Total energy use: 167.7 billion

BTUs

Estimated total annual cost: \$4 million Avg. annual cost per business: \$13,290



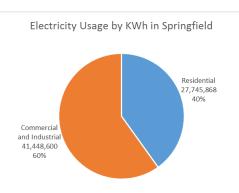
Springfield



Transportation

Number of vehicles: 6,245
Estimated vehicle miles traveled: 105.6 million
Estimated gal. fuel used per year: 5.7 million
Estimated fuel cost per year: \$13.1 million
Residents driving alone to work: 81%

Average commute time: 21 minutes





Electricity Use

Electricity Usage in 2015^{vi} (see figure)

Avg. Residential Usage: 6,921 KWh

Total Usage (2014-2016): ↑ 136,355 KWh

↑ 0.2%



Existing Renewable Energy Generation

Solar	59 sites	3.6 MW	4,415 MWh
Wind	1 site	0.001 MW	3 MWh
Hydro	5 sites	1.3 MW	4,555 MWh
Biomass	0	0	0

Renewable Energy Generation Targetsvii

2015 (Baseline)	8,973 MWh
2025	15,596.5 MWh
2035	31,193 MWh
2050	62,386 MWh

Rooftop Solar	7.18 MW	8,806 MWh
Ground-Mounted Solar	369.05 MW	452,603 MWh
Wind	34 MW	104,244 MWh
Hydro	0.01 MW	35 MWh

¹ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

^{II} Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vi Efficiency Vermont (2017)

vii SWCRPC

viii Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)



Total Populationⁱ (2015): 2,794 Proj. Annual Avg. Growth Rateⁱⁱ: \downarrow 0.00162 Population Density: 63.2 persons/

square mile



Households

Owner-Occupied Unitsⁱⁱⁱ: 1,104
Renter- Occupied Unitsⁱⁱⁱ: 149
Total Householdsⁱⁱⁱ: 1,427

Avg. Household Sizeiii: 2.25 people/

household



Businesses™

Total businesses in Weathersfield: 76
Employees working in Weathersfield: 363
Average wage: \$39,427



Heating

Residentialⁱ (see figure)

Businesses^v:

Estimated avg. building space: 3,659 sq. ft. Total energy use: 10.1 billion

BTUs

Estimated total annual cost: \$240,047 Avg. annual cost per business: \$3,159



Transportation

Number of vehicles: 2,633 Estimated vehicle miles traveled: 31.9 million

Estimated gal. fuel used per year: 1.7 million Estimated fuel cost per year: \$3.9 million

Residents driving alone to work: 81%

Average commute time: 24 minutes



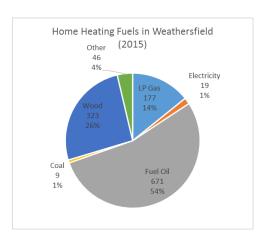
Electricity Use

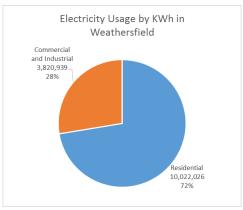
Electricity Usage in 2015^{vi} (see figure)
Avg. Residential Usage: 7,211 KWh
Total Usage (2014-2016): ↑ 35,048 KWh

个 0.25%

Weathersfield









Existing Renewable Energy Generation

Solar	39 sites	137.2 KW	168,238 MWh
Wind	0	0	0
Hydro	0	0	0
Biomass	0	0	0

Renewable Energy Generation Targetsvii

2015 (Baseline)	168.2 MWh
2025	5,453 MWh
2035	10,906 MWh
2050	21,811 MWh

Rooftop Solar	2.11 MW	2,588 MWh
Ground-Mounted Solar	349.4 MW	428,504 MWh
Wind	107.9 MW	330,821 MWh
Hydro	0.207 MW	725 MWh

¹ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

^{II} Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vi Efficiency Vermont (2017)

vii SWCRPC

viii Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)



Total Populationⁱ (2015): 1,136

Proj. Annual Avg. Growth Rateⁱⁱ: ↑ 0.001303 Population Density: 46 persons/

square mile



Households

Owner-Occupied Unitsⁱⁱⁱ: 420 Renter- Occupied Unitsⁱⁱⁱ: 79 Total Householdsⁱⁱⁱ: 799

Avg. Household Sizeⁱⁱⁱ: 2.2 people/

household



Businesses™

Total businesses in West Windsor: 28
Employees working in West Windsor: 121
Average wage: \$35,678



Heating

Residentialⁱ (see figure)

Businesses^v:

Estimated avg. building space: 3,338 sq. ft. Total energy use: 5.4 billion

BTUs

Estimated total annual cost: \$127,961 Avg. annual cost per business: \$4,570



Transportation

Number of vehicles: 962

Estimated vehicle miles traveled: 12.4 million Estimated gal. fuel used per year: 667,693 Estimated fuel cost per year: \$1.5 million

Residents driving alone to work: 79%

Average commute time: 28 minutes



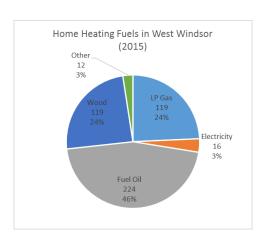
Electricity Use

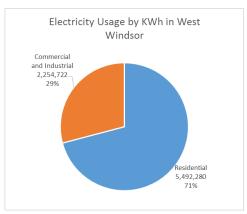
Electricity Usage in 2015^{vi} (see figure)
Avg. Residential Usage: 7,315 KWh
Total Usage (2014-2016): ↓ 485,779KWh

↓ 5.9%

West Windsor









Existing Renewable Energy Generation

Solar	27 sites	124.5 KW	152,687 KWh
Wind	0	0	0
Hydro	0	0	0
Biomass	0	0	0

Renewable Energy Generation Targetsvii

2015 (Baseline)	152.7 MWh
2025	2,471 MWh
2035	4,942 MWh
2050	9,884 MWh

Rooftop Solar	1.11 MW	1,361 MWh
Ground-Mounted Solar	157.5 MW	193,158 MWh
Wind	338.9 MW	1,039,067 MWh
Hydro	0	0

¹ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

ii Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

^v Estimated based on number of units, estimated floor space, heating fuel types and average fuel costs for 2015. Floor space was estimated from average commercial/manufacturing floor space per employee from the U.S. Energy Information Administration.

vi Efficiency Vermont (2017)

vii SWCRPC

viii Based upon an analysis of GIS data mapping data (i.e. land area shown on the solar and wind potential maps)



Total Populationⁱ (2015): 3,496

Proj. Annual Avg. Growth Rateⁱⁱ: ↓ 0.00513

Population Density: 176.5 persons/
square mile



Windsor

Households

Owner-Occupied Unitsⁱⁱⁱ: 920
Renter- Occupied Unitsⁱⁱⁱ: 572
Total Householdsⁱⁱⁱ: 1,712

Avg. Household Sizeⁱⁱⁱ: 2.25 people/ household



Businesses™

Total businesses in Windsor: 142
Employees working in Windsor: 1,672
Average wage: \$42,367

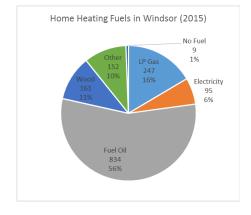


Heating

Residentialⁱ (see figure) Businesses^v:

Estimated avg. building space: 9,019 sq. ft. Total energy use: 65.7 billion

Estimated total annual cost: \$1.6 million
Avg. annual cost per business: \$11,042

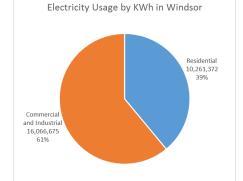




Transportation

Number of vehicles: 2,238
Estimated vehicle miles traveled: 39.8 million
Estimated gal. fuel used per year: 2.1 million
Estimated fuel cost per year: \$4.9 million
Residents driving alone to work: 73%

Average commute time: 22 minutes





Electricity Use

Electricity Usage in 2015^{vi} (see figure) Avg. Residential Usage: 7,315 KWh Total Usage (2014-2016): \downarrow 485,779KWh

↓ 5.9%



Existing Renewable Energy Generation

Solar	37 sites	486 KW	596,030 KWh
Wind	0	0	0
Hydro	0	0	0
Biomass	0	0	0

Renewable Energy Generation Targetsvii

2015 (Baseline)	596 MWh
2025	4,770 MWh
2035	9,539 MWh
2050	19,078 MWh

Rooftop Solar	4.3 MW	5,274 MWh
Ground-Mounted Solar	193.3 MW	237,063 MWh
Wind	79.4 MW	243,440 MWh
Hydro	0.232 MW	813 MWh

¹ U.S. Census Bureau, American Community Survey (ACS) 2011-2015

^{II} Based on Scenario B population projections for 2030 (VT ACCD, 2013)

iii U.S. Census Bureau, Decennial Census (2010)

iv Vermont Department of Labor Statistics (2015)

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