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 Page 139 James Estrin/New York Times/Redux (asthma patient); NREL (biomass); The Press of Atlantic City (solar PV); ACCIONA (concentrating solar); PPM Energy (wind)
 Page 140 J. Miles Cary/Knoxville News Sentinel
 Page 142 PhotoDisc (faucet); iStockphoto.com (mountains); Wjsamonides (power plant)
 Page 143 Creative Commons/Birdworks
 Page 144 LM Glasfiber
 Page 145 Nanosolar Inc. (top); NYSERDA (bottom)
 Page 146 Great River Energy
 Page 147 Jupiter Images
 Page 149 Comstock
 Page 150 AP Photo (car sticker); Indianapolis Airport Authority (airport)
 Page 154 iStockphoto.com
 Page 155 iStockphoto.com
 Page 156 NREL (distributed PV, low-carbon biofuels); iStockphoto.com (surface mining); Vivian Stockman/ohvec.org (mountaintop-removal mining); J. Tuason (afforestation offsets); NREL (wind footprint); PPM Energy (total wind area); ACCIONA (large-scale solar) (top to bottom) NREL; NREL; NREL; ACCIONA; NREL; NREL; J. Tuason
 Page 157 Austin, TX, City Hall
 Page 158 iStockphoto.com
 Page 160 Dansko Inc.
 Page 161 Clipper Wind Inc. (left); iStockphoto.com (right)
 Page 163 iStockphoto.com (left); UNFCCC (right)
 Page 164 iStockphoto.com
 Pages 166–169 iStockphoto.com (background)
 Page 167 J. Tuason
 Page 168 Jerry and Marcy Monkman
 Page 169 Rodale Institute

Chapter 8

Page 170 Peter Beck/Corbis
 Page 171 PhotoDisc
 Page 172 Doug Boucher
 Page 173 AP Photo/Michael Dwyer
 Page 174 Genzyme Corporation
 Page 175 PPM Energy
 Page 176 NREL
 Page 177 Jupiter Images
 Page 178 NREL
 Page 179 Doug Boucher
 Page 180 iStockphoto.com
 Page 181 NOAA (left); NREL (right)

References

Page 182 iStockphoto.com



CLIMATE 2030 BLUEPRINT

Your 2030 Year-end Summary

Account Number: 2030 535 0001

Payment Due Date

12/31/2030

THE SMITH FAMILY
26 MAIN STREET
ANY TOWN, USA

New Balance

Payment/Credit: **\$900.00**

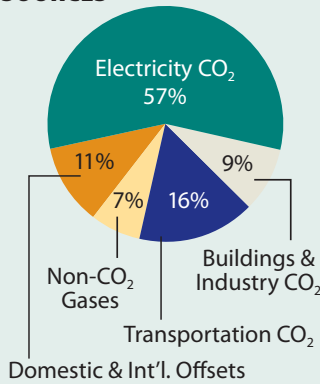
Energy and transportation service provided to:

The Smith Family
Any Town, USA

Savings Summary

Account number: 2030 535 0001

EMISSIONS REDUCTIONS SOURCES



BLUEPRINT SAVINGS

(in billions of dollars)

Consumer and Business Savings:

National Energy Bill Savings	\$414B
Energy Investment Costs	-\$160B

Net Savings \$255B

Allowance Revenue Generated + \$219B

Policy Implementation Costs -\$8B

Total Blueprint Savings \$464B

Cumulative net savings for consumers and businesses from 2010-2030 = \$1.7 trillion

Values may not sum properly because of rounding.

HOUSEHOLD NET SAVINGS

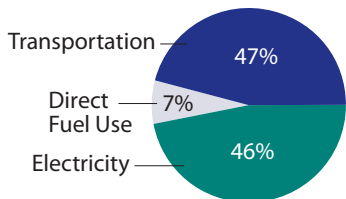
Electricity, Natural Gas, and Heating Oil	\$320
Transportation	+580

Total \$900/household

Consumer Savings	\$126B
Number of U.S. Households in 2030	÷140M

Total \$900/household

SAVINGS SOURCES



BUSINESS NET SAVINGS

Commercial Energy	\$ 45B
Industrial Energy	+ \$ 46B
Commercial & Industrial Transportation	+ \$ 37B

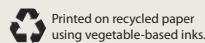
Total \$128B

Smart climate, energy, and transportation solutions reap big savings for consumers and businesses.



Union of Concerned Scientists

Citizens and Scientists for Environmental Solutions



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The Union of Concerned Scientists is the leading science-based nonprofit working for a healthy environment and a safer world. The full report and technical appendices are available at www.ucsusa.org/blueprint.

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