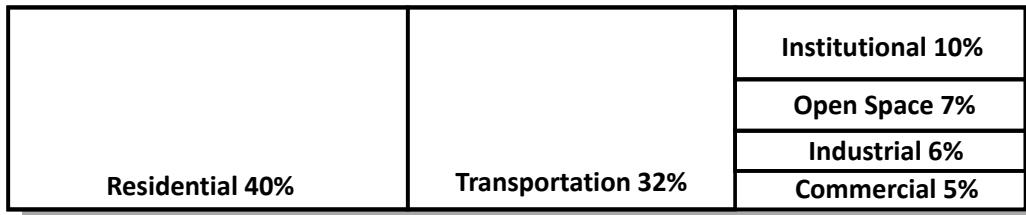


RESIDENTIAL SPRAWL IMPACTS

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Cities' Land Use

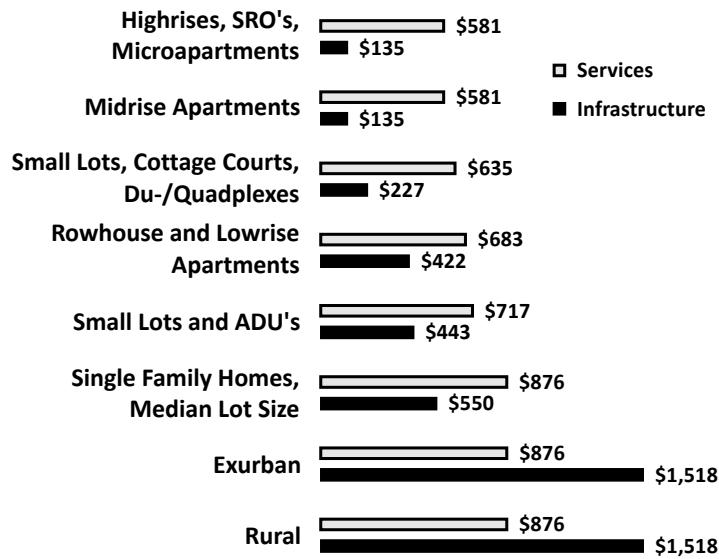


Source: Making Connections: Canada's Geography 2006



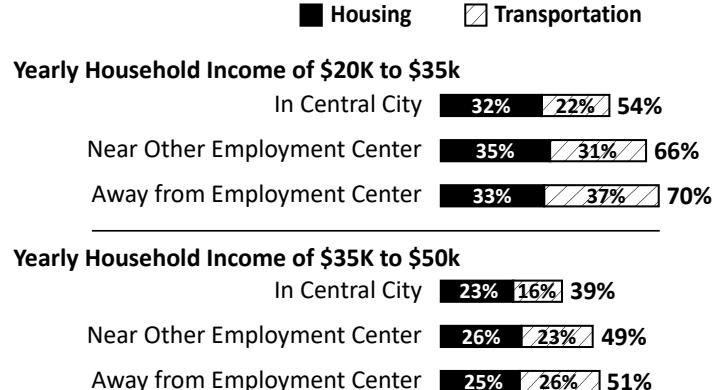
urbancruiseship.org
Assemblage by Michael Goff, selection by John van der Harst, initial exhibit construction by Lee Nelson, 9/1/19, 3/15/19, and 11/25/19 and reconfiguration by Richard Burd, 11/29/22.

Annual Costs per Person

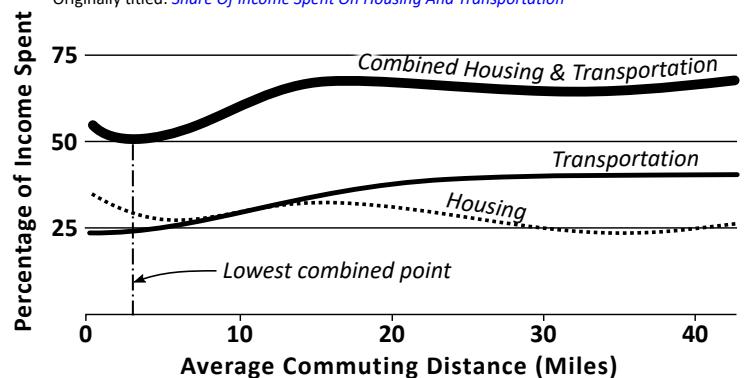


Source: Halifax Regional Municipality
<https://usa.streetsblog.org/wp-content/uploads/sites/5/2015/03/Halifax-data.pdf>

Economic Impact Related to Travel Distances

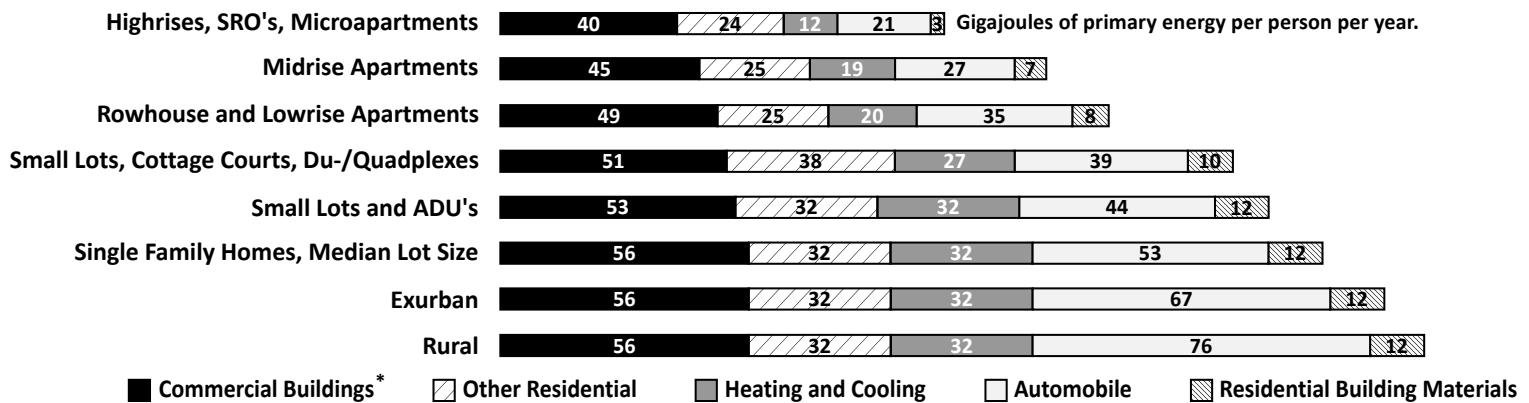


Source: Barbara Lipman (2005), "Something's Gotta Give: Working Families and the Cost of Housing," New Century Housing, Volume 5, Issue 2, Center for Housing Policy
 Originally titled: [Share Of Income Spent On Housing And Transportation](#)



Source: Barbara Lipman (2006), "A Heavy Load: The Combined Housing and Transportation Burdens of Working Families" Center for Housing Policy October 2006.

Density and Energy



Source: Creutzig, F., Baiocchi, G., Bierkandt, R., Pichler, P., Seto, K. "Global typology of urban energy use and potentials for an urbanization mitigation wedge". Proceedings of the National Academy of Sciences. May 2015.

* This refers to electricity consumed by commercial buildings. In rural areas, more energy is expended on commercial buildings per person because more store

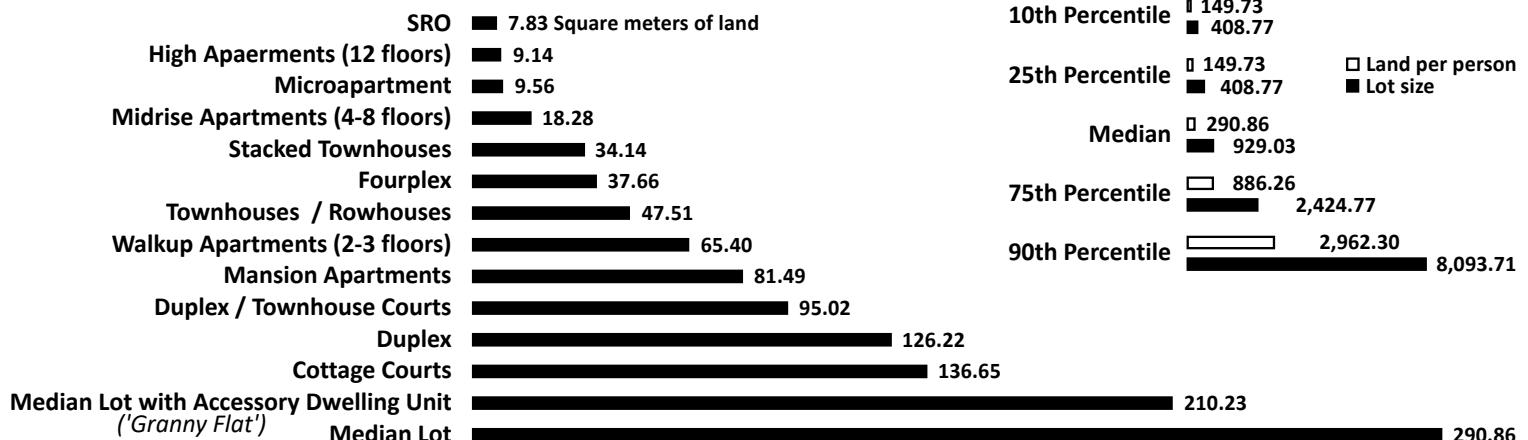
locations are required to support people who are living farther apart from each other as opposed to people in city centers like Manhattan, NYC. Broadly speaking,

infrastructure (like grocery stores) that are required to support people will grow more inefficient as individuals are more geographically isolated from one another.

RESIDENTIAL SPRAWL IMPACTS

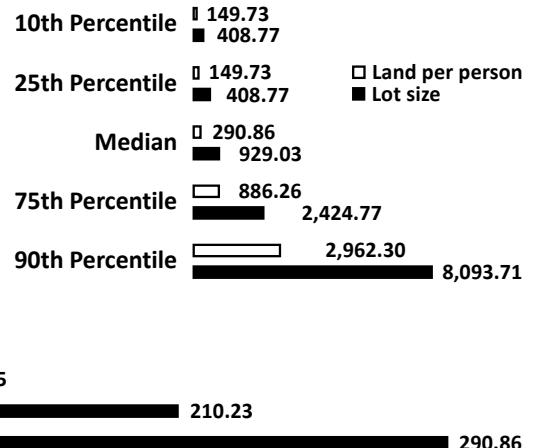
p. 2 of 2

Land Consumption per Person by Housing Type - U.S.

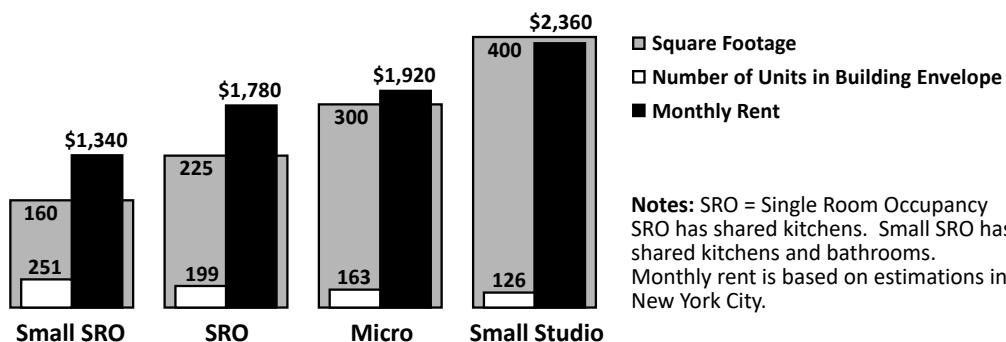


Source: National Association of Homebuilders Residential Energy Consumption Survey Thurston Regional Planning Council

Land Consumption in Housing - U.S.



Compact Housing

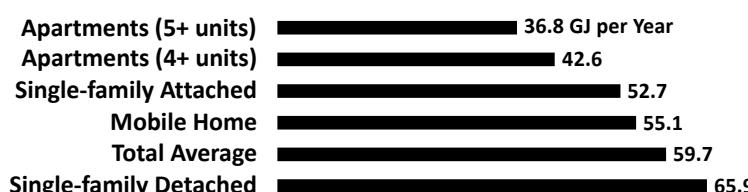


Source: Stern, E., Yager, J. "21st Century SROs Can Small Housing Units Help Meet the Need for Affordable Housing in New York City?". NYU Furman Center, February 2018.

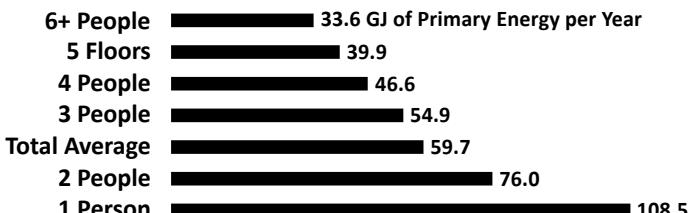


urbancruiseship.org
Assemblage by Michael Goff,
selection by John van der Harst,
initial exhibit construction by
Lee Nelson, 3/3/2019 and
reconfiguration by
Richard Burd and jye, 3/16/23.

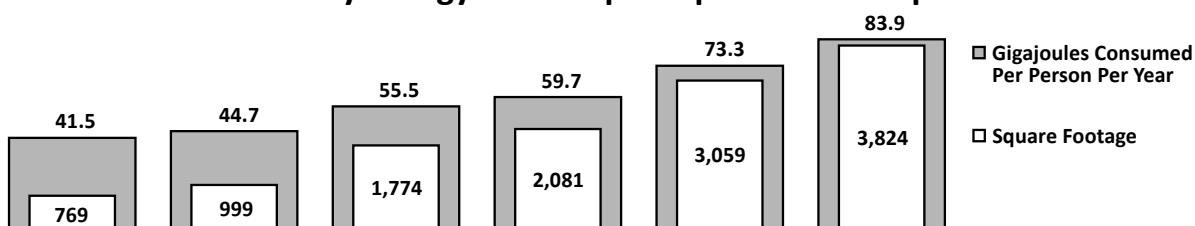
Primary Energy Consumption per Person by Housing Type



Primary Energy Consumption per Person by Household Size



Primary Energy Consumption per Area Occupied



Source: Building Energy Codes Program. "Prototype Building Models High-rise Apartment". Building Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy. April 2011. U.S. Energy Information Administration. "2015 Residential Energy Consumption Survey". 2017