

DC  
SUSTAINABLE ENERGY  
UTILITY

# **Envisioning Health Benefits from Electricity and Gas Savings in the Nation's Capital**

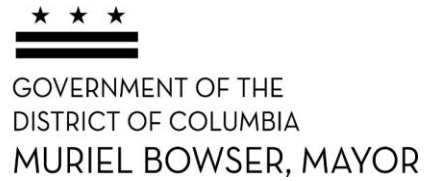
Shannon Gallagher

December 4, 2018

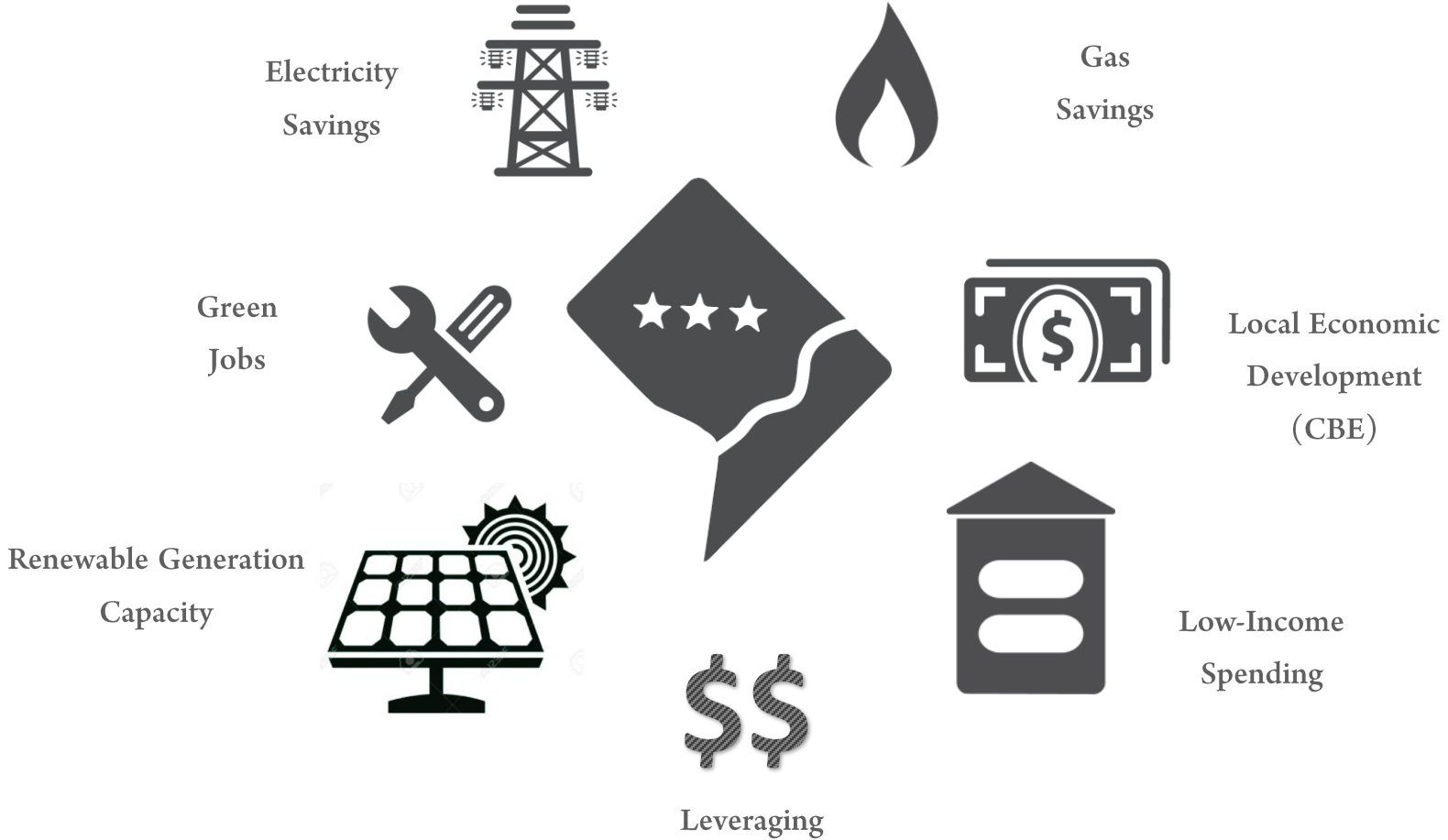


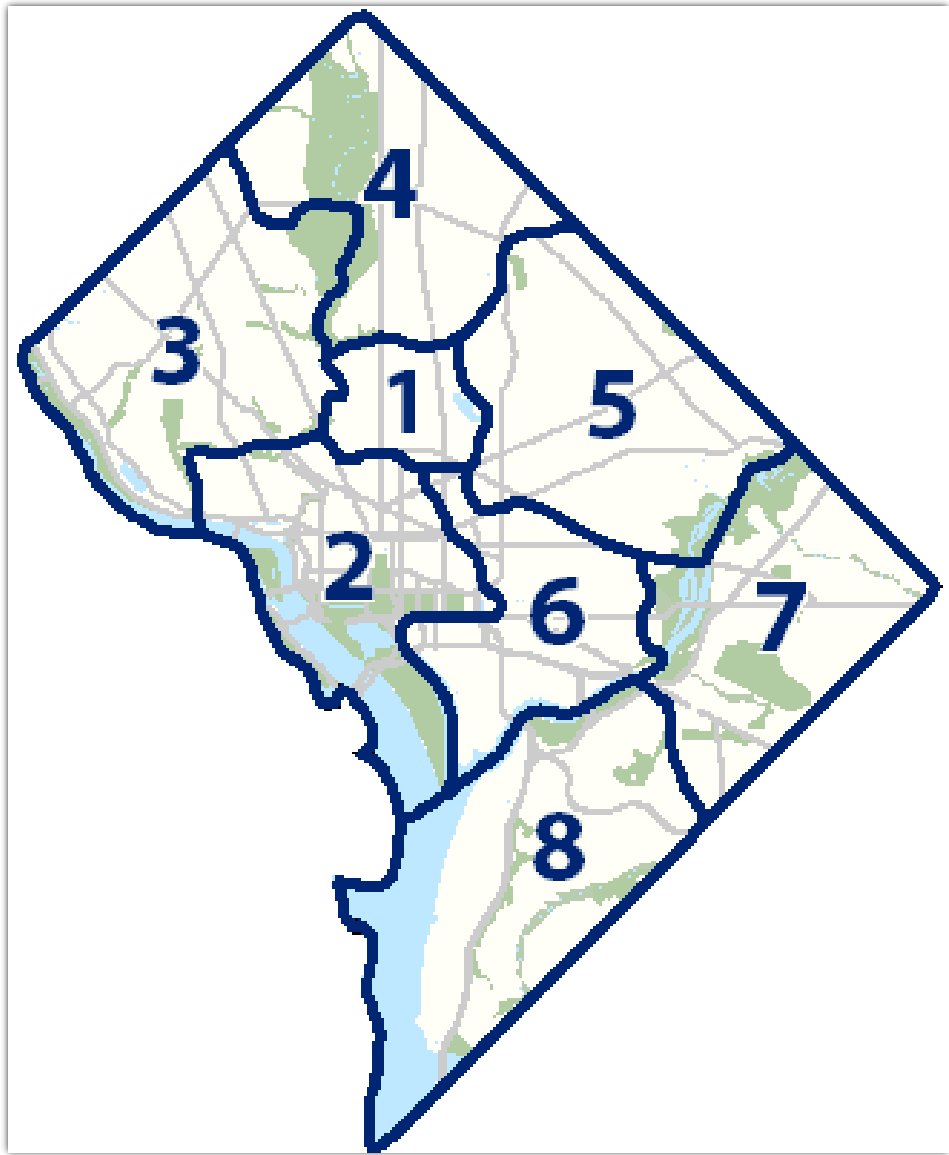


# DC SUSTAINABLE ENERGY UTILITY

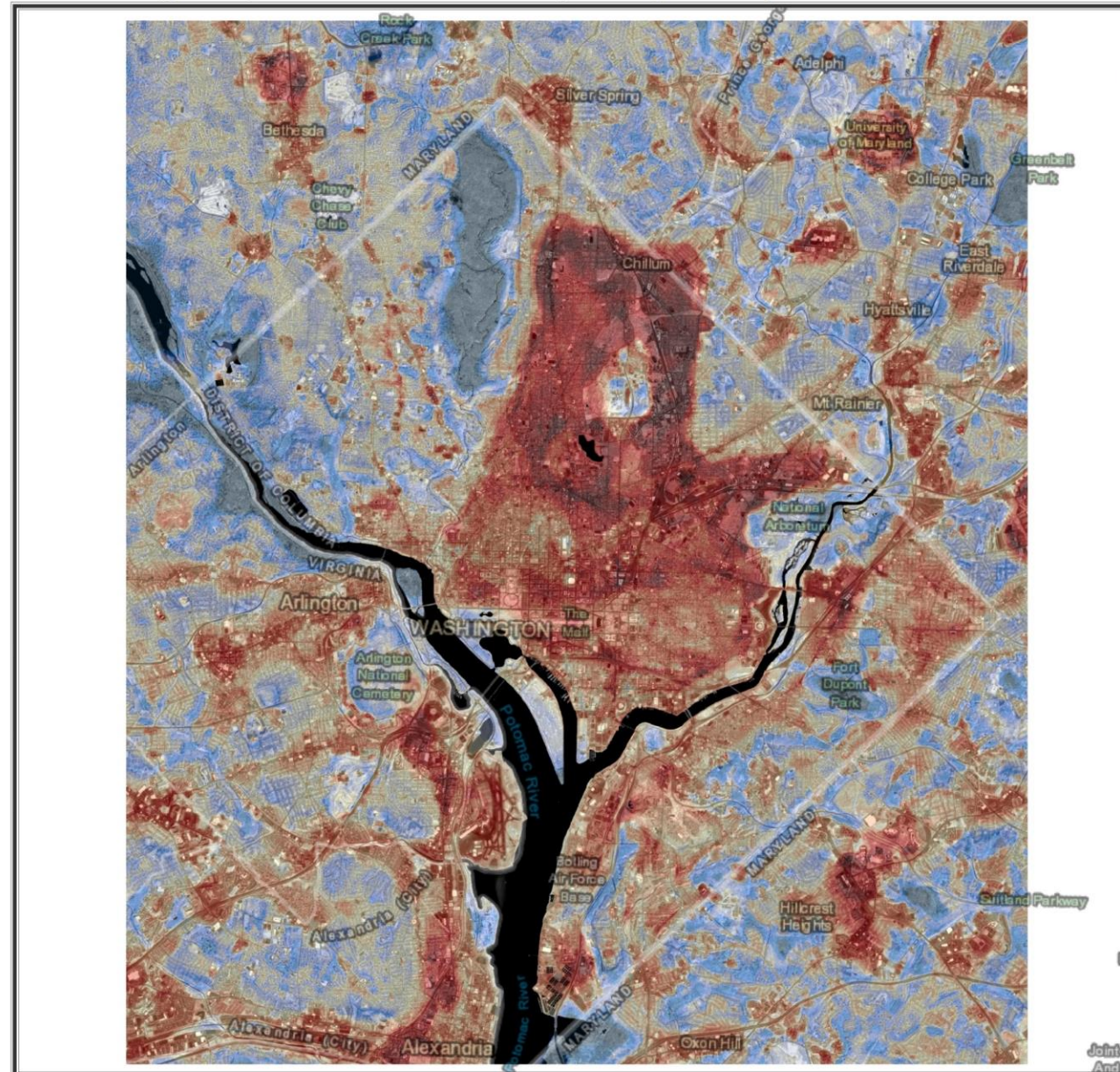


# The DC Sustainable Energy Utility is...





# Washington, DC Afternoon (3PM) Temperature Model



Shandas,  
Voelkel,  
and  
Hoffman



MedStar National Rehabilitation Center

MedStar Washington Hospital

DC Veterans Affairs Medical Center

Sibley Memorial Hospital

Children's National Medical Center

Howard University Hospital

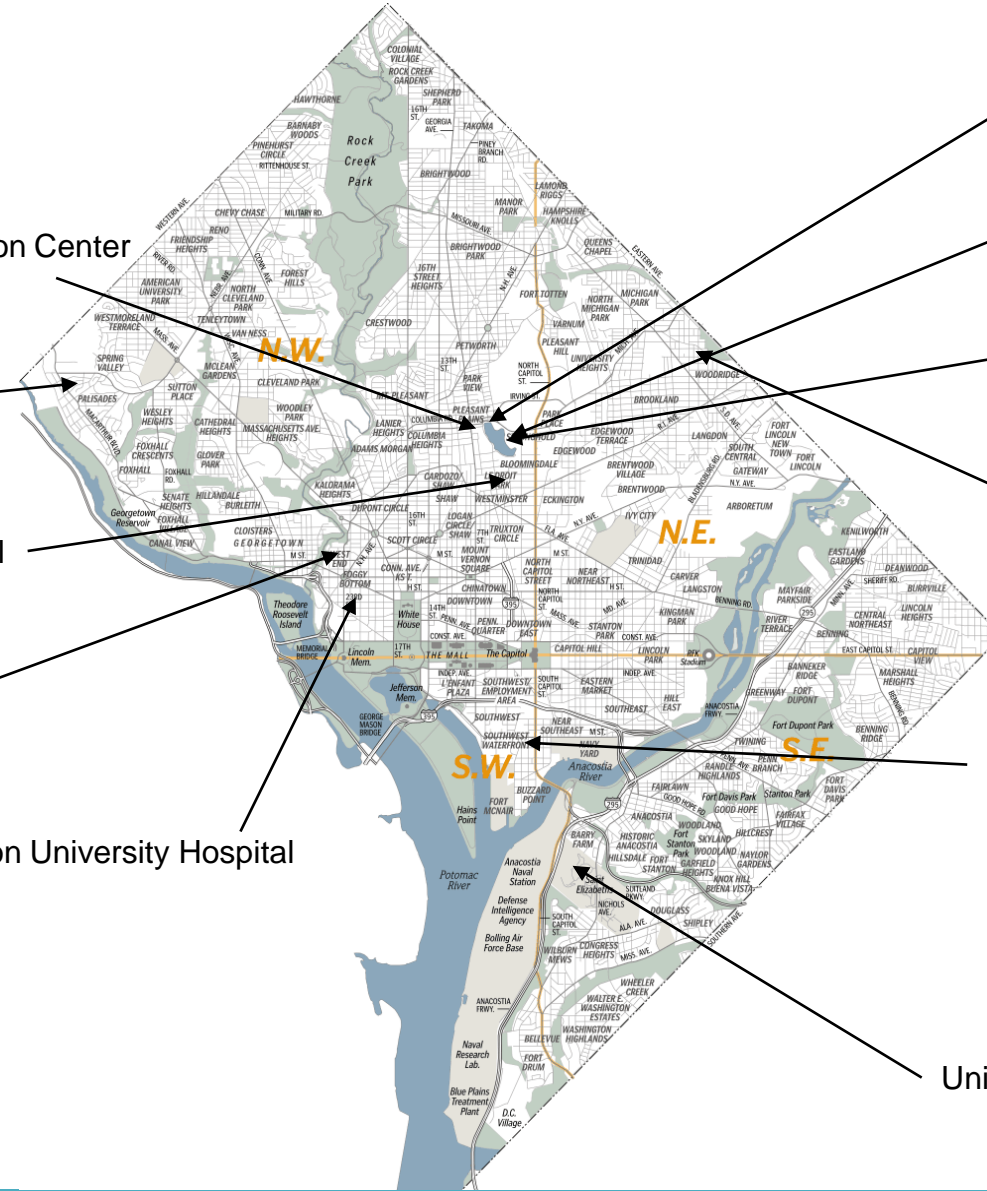
Providence Hospital

MedStar Georgetown University Hospital

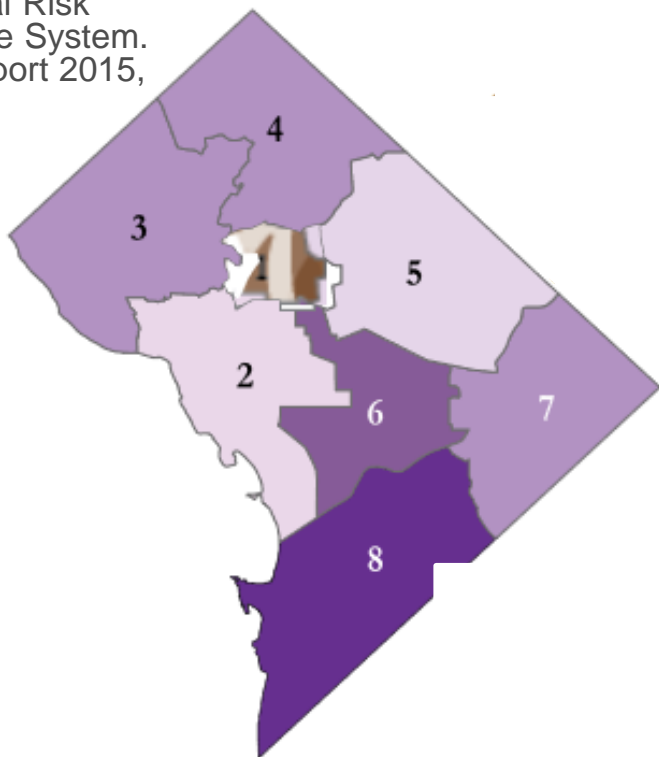
BridgePoint Healthcare (2)

George Washington University Hospital

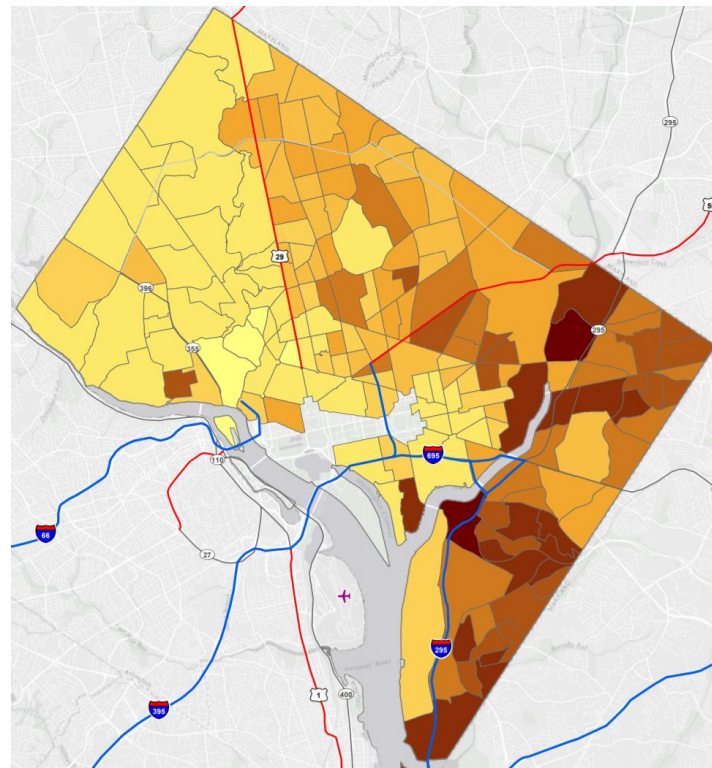
United Medical Center



District of Columbia  
Department of Health (DC  
Health), Behavioral Risk  
Factor Surveillance System.  
Annual Health Report 2015,  
June 2018



District Adults diagnosed  
with asthma by Ward, 2015

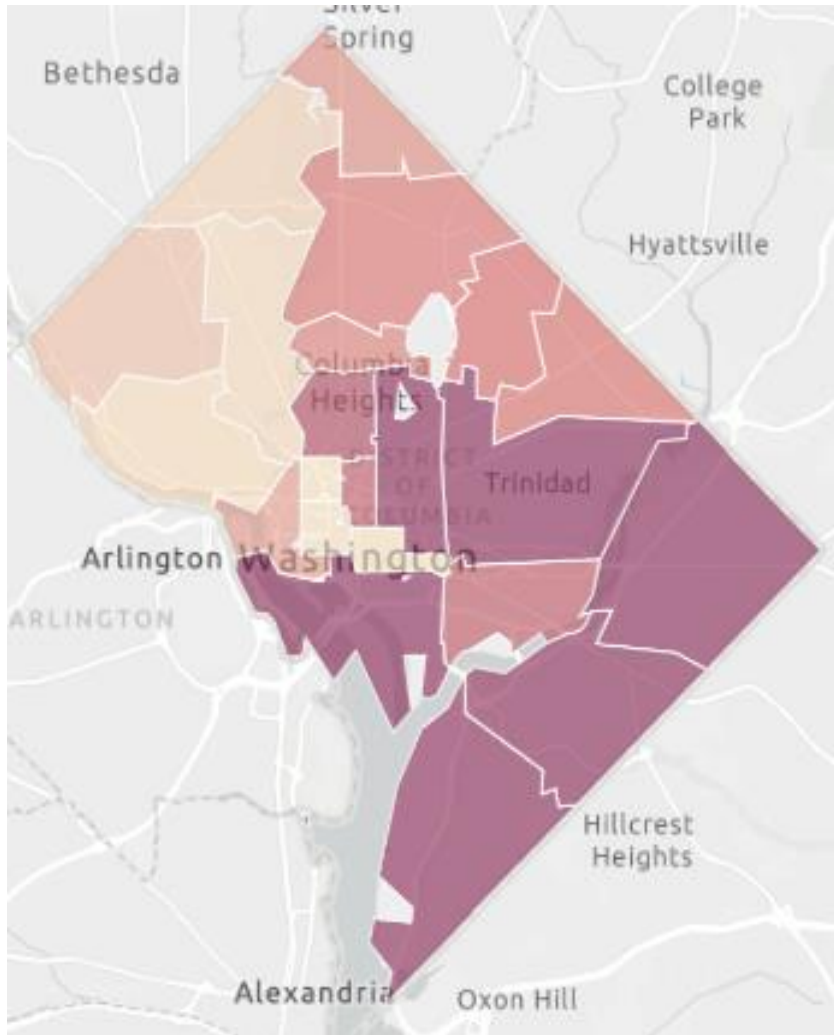


District Adults diagnosed  
with COPD, 2015

Centers for Disease  
Control and  
Prevention, National  
Center for Chronic  
Disease Prevention  
and Health Promotion,  
Division of Population  
Health. 500 Cities  
Project Data [online].  
2016 [accessed Oct  
23, 2017]







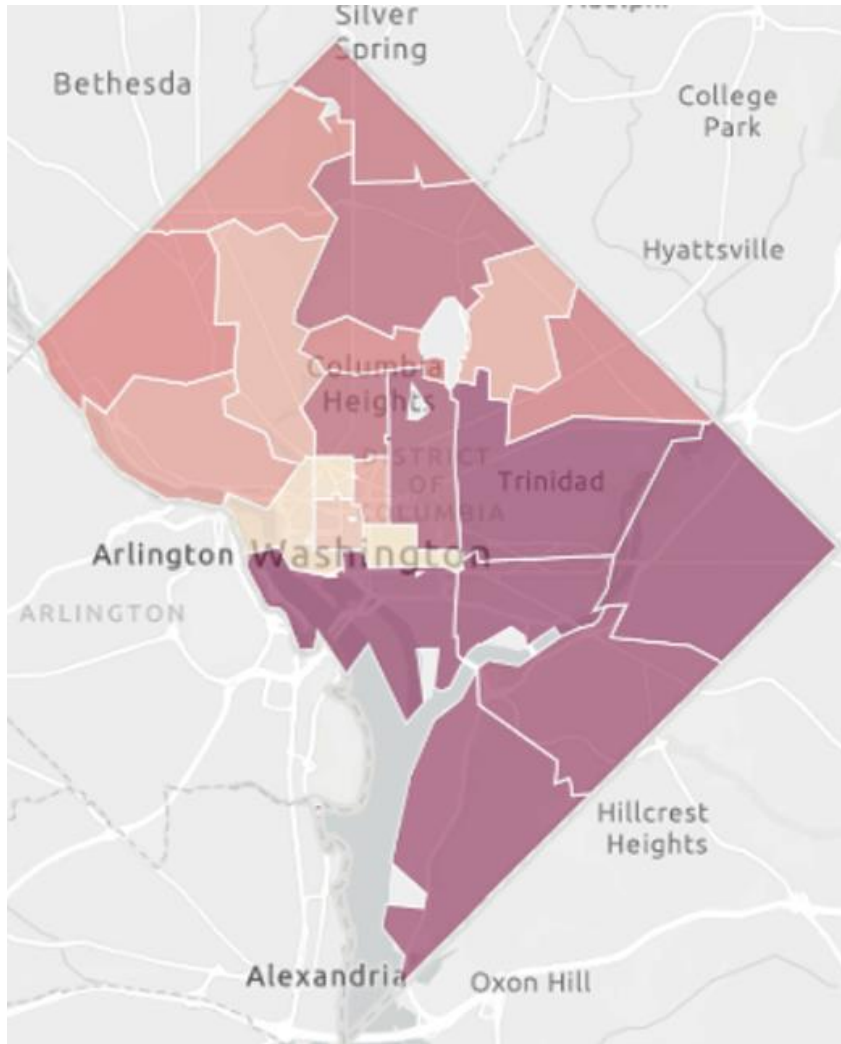
## Lighting CO2 Equivalent Lifetime Savings (Source)

Fiscal Years 2011 – 2017

574,296,311 CO2

\$41,530,560





## Heating CO2 Equivalent Lifetime Savings (Site)

Fiscal Years 2011 - 2017

837,219,385 CO2

\$86,273,476



# Collaborate & listen...



Health Impact Project



Chronic Disease Division



# What's next...

Healthier buildings, healthier people, healthier everything.



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The DC Sustainable Energy Utility is a project of the Sustainable Energy Partnership under contract to the District Department of the Energy & Environment (DOEE).

