

# Opportunity for Partnership: Addressing the energy needs of low income households

[John.Scicchitano@nyserda.ny.gov](mailto:John.Scicchitano@nyserda.ny.gov)

May 2017

# The Tenement Problem: 1890



A Man in His  
Tenement, Jacob  
Riis, 1890

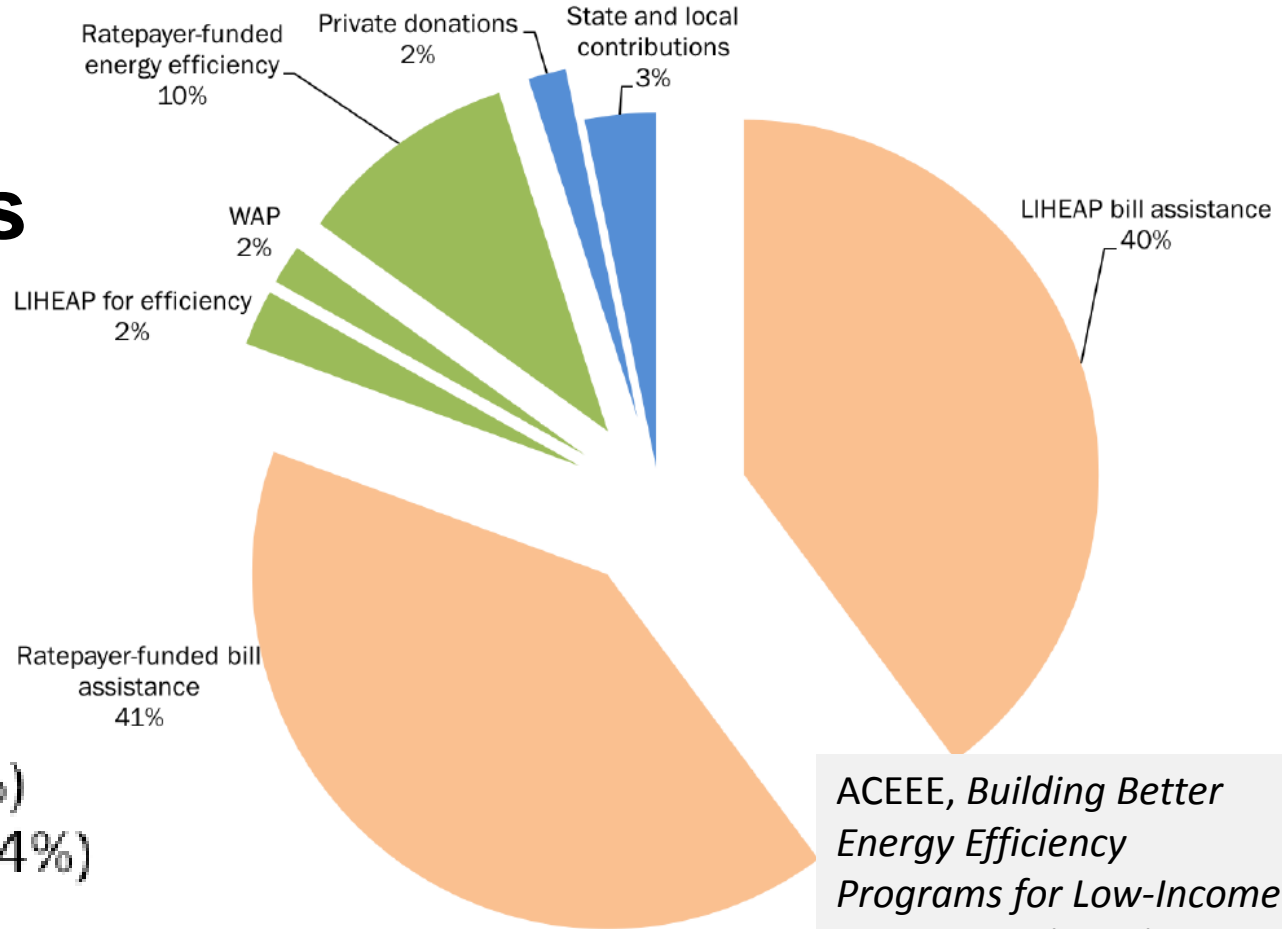
# Affordable housing and energy: 2017



# Objective

- To identify barriers to LMI inclusion in clean energy solutions, particularly energy efficiency
- To identify solutions, particularly those found in public-private-philanthropic partnership

# Support for low-income energy needs (national level)



ACEEE, *Building Better Energy Efficiency Programs for Low-Income Households* (2016)

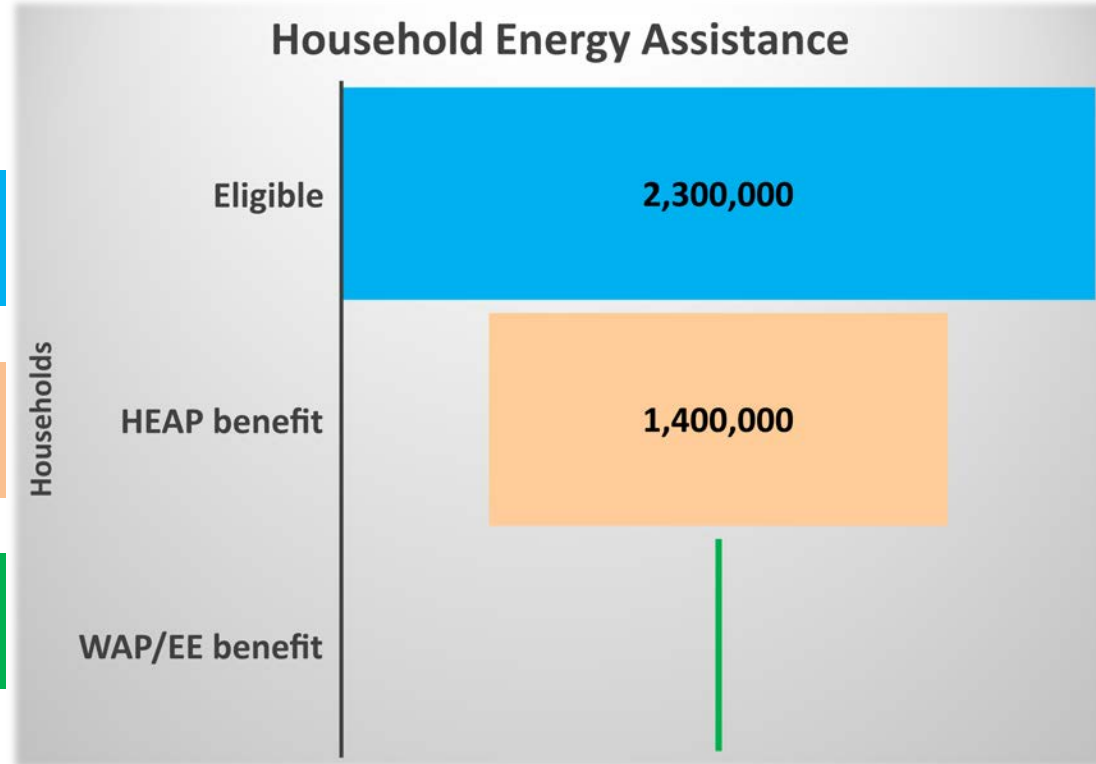
# Low-income energy assistance (state level)

- ❑ ~\$700M annual energy assistance
- ❑ ~15% for weatherization/EE

2,300,000 households eligible for energy assistance

1,400,000 households receive HEAP benefit

20,000 households receive weatherization/EE



# Discussion

- Describe the needs of low income households in your community (quantitative and qualitative).
- How do you prioritize needs?
- What barriers prevent your organization from meeting those needs?
- What can be done to address deferrals among energy efficiency program applicants?

## Discussion (2)

- How can efficiencies be achieved, lowering the unit costs of energy programs?
- How do you measure impact, and how might these measures be improved?
- What are the other organizations in your zone that serve the same communities?



## Discussion (3)

- What challenges and successes has your organization experienced in obtaining funds?
- What learning or models from other regions can inform our approach?
- What alliances can be formed to foster more effective response to common needs?

# Philanthropic Landscape: Size

	(\$ in billions)
<b>Foundations</b>	
Foundations in US	87,000
Foundations Annual Grants	\$ 47
Program Related Investments (PRI)	\$ .6
Grant to NY recipients from NY foundations	\$ .1
Foundations Endowments	\$ 800
Engagement in MRI	41%
Non-Governmental Organizations in US	1,300,000
<b>Impact Investing</b>	
Sustainable, Responsible, Impact Investment in US (2014)	\$ 6,600
SRI (2012)	\$ 3,700
SRI with environmental investment factor (2014)	\$ 3,000
Labeled Green Bond Issuances (2014)	\$ 37
Green Bond Issuances (2012)	\$2

Sources: Foundation Center, Forum for Sustainable and Responsible Investment



**NYSERDA**

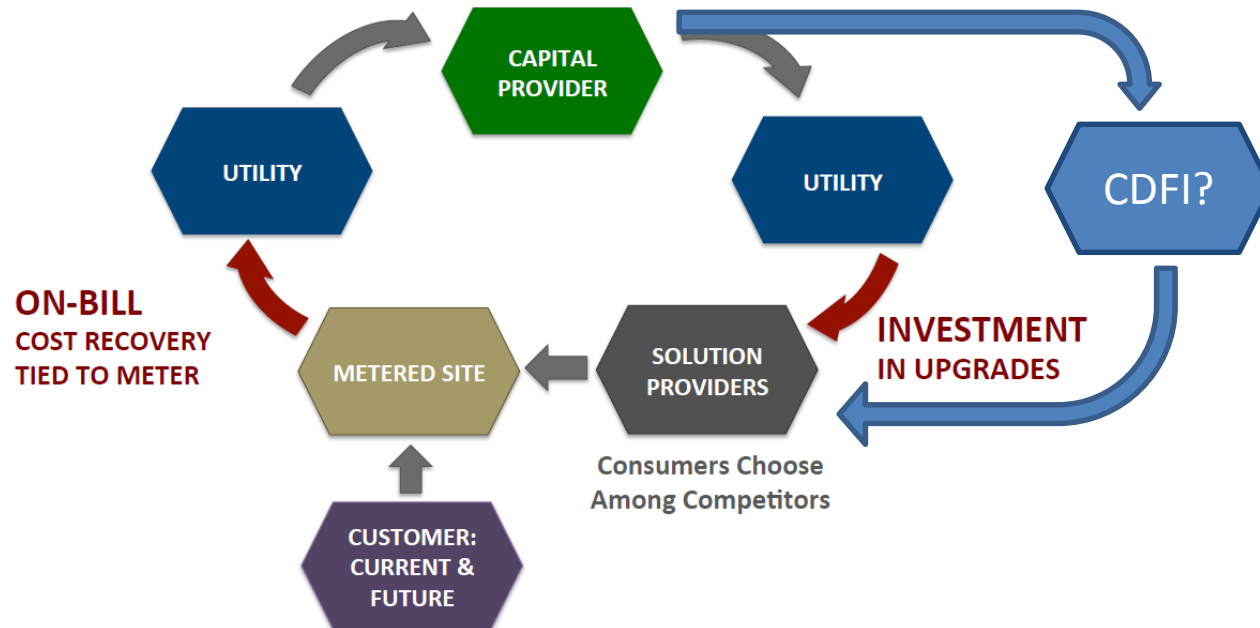
# Philanthropic Landscape: Actors

Community/ Housing/LMI	LMI	Corporate Investment	Energy Efficiency	Climate Change	Financial / CDFI support
<ul style="list-style-type: none"> <li>•NYCT</li> <li>•Calvert Fdn</li> <li>•Contact Fund</li> <li>•Reinvestment Fund</li> <li>•RobertWood Johnson</li> <li>•Kellogg</li> <li>•Opportunity Finance Network</li> <li>•Oshei</li> </ul>	<ul style="list-style-type: none"> <li>•JBP</li> <li>•Rockefeller Brothers</li> <li>•Heron</li> <li>•Dyson</li> <li>•Heinz</li> <li>•Ford</li> <li>•Bullitt</li> </ul>	<ul style="list-style-type: none"> <li>•CERES</li> <li>•CREO</li> <li>•PRIME</li> <li>•Confluence Philanthropy</li> <li>•Big Path Capital</li> <li>•DBL Investors</li> <li>•Ecosystem Integrity</li> </ul>	<ul style="list-style-type: none"> <li>•Energy Fdn</li> <li>•SURDNA</li> <li>•Packard</li> <li>•Heron</li> <li>•Chesonis</li> <li>•Kresge</li> <li>•Joyce</li> </ul>	<ul style="list-style-type: none"> <li>•McArthur</li> <li>•Hewlett</li> <li>•Clinton</li> <li>•Grantham</li> <li>•Skoll</li> <li>•KR Fdn</li> <li>•Oak Fdn</li> <li>•Robertson</li> <li>•Nathan Cummings</li> </ul>	<ul style="list-style-type: none"> <li>•Citi</li> <li>•Goldman Sachs</li> <li>•JP Morgan Chase</li> <li>•Deutsche Bank Americas</li> <li>•M&amp;T</li> <li>•Mizuho Bank USA</li> <li>•MetLife</li> <li>•BoA</li> <li>•Capital One</li> </ul>
Cities	Research	Transport	Agriculture	Policy	
<ul style="list-style-type: none"> <li>•Bloomberg</li> <li>•Living Cities</li> </ul>	<ul style="list-style-type: none"> <li>•Sloan</li> <li>•Park</li> </ul>	<ul style="list-style-type: none"> <li>•Hewlett</li> <li>•Google</li> </ul>	<ul style="list-style-type: none"> <li>•ImpactAssets</li> <li>•Cargill</li> </ul>	<ul style="list-style-type: none"> <li>•IIPC</li> </ul>	

# Utilities – Pay as you Save

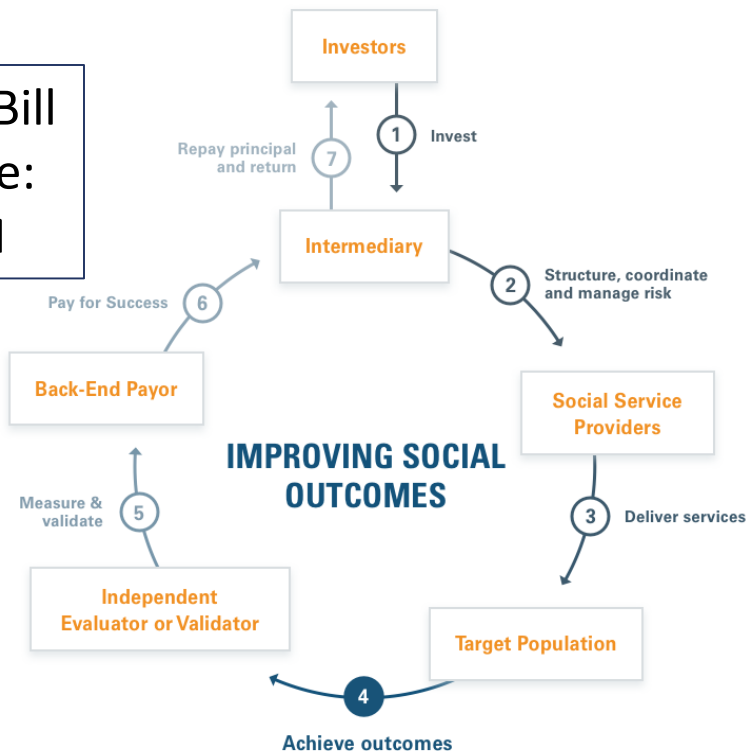
## PAY AS YOU SAVE® (PAYS®)

PAYS offers all utility customers the option to access cost effective energy upgrades using a proven investment and cost recovery model that benefits both the customer and utility.



# Environmental Impact Bonds

NY Utility Bill Assistance:  
>\$500M



**DC Water: The Nation's 1<sup>st</sup> Environmental Impact Bond**  
 “Metrics in environmental science are such that outcome proxies can be projected with greater confidence as opposed to social metrics and services.”