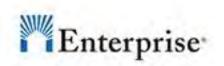
MPGWEROREGON

Behavioral Economics in Practice Mickey Lee, Project Manger MBA BPI Portland Oregon

With background support from Reema Vashi, Sr. Project Manager, Multifamily Division Energy Trust of Oregon

About

MPGWEROREGON

















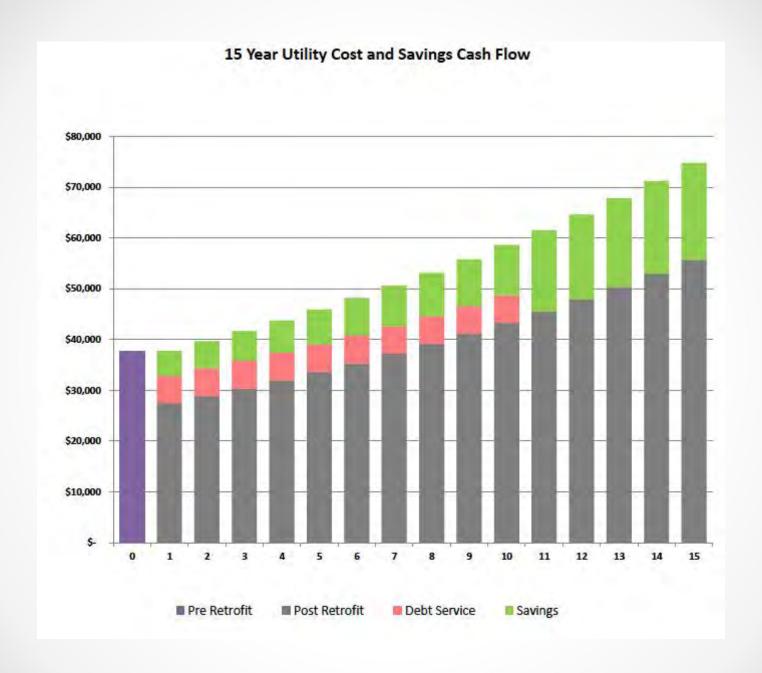




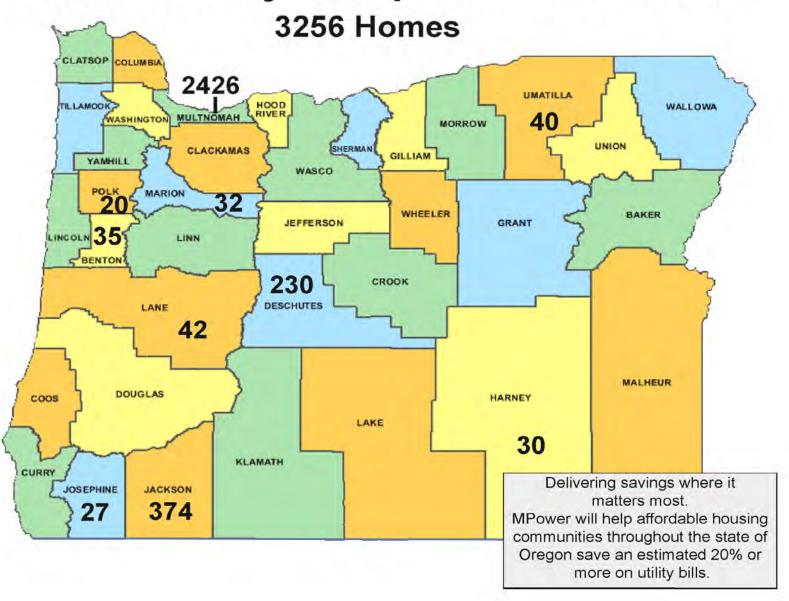


MP6WEROREGON"

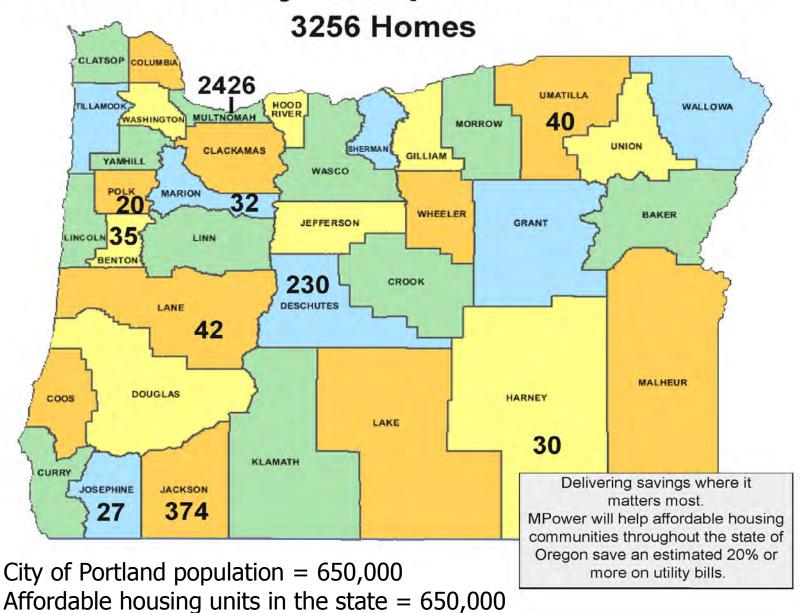
APPLICATION SCREENING SCREENING SCOPE OF WORK SERVICES CONSTRUCTION SAVINGS



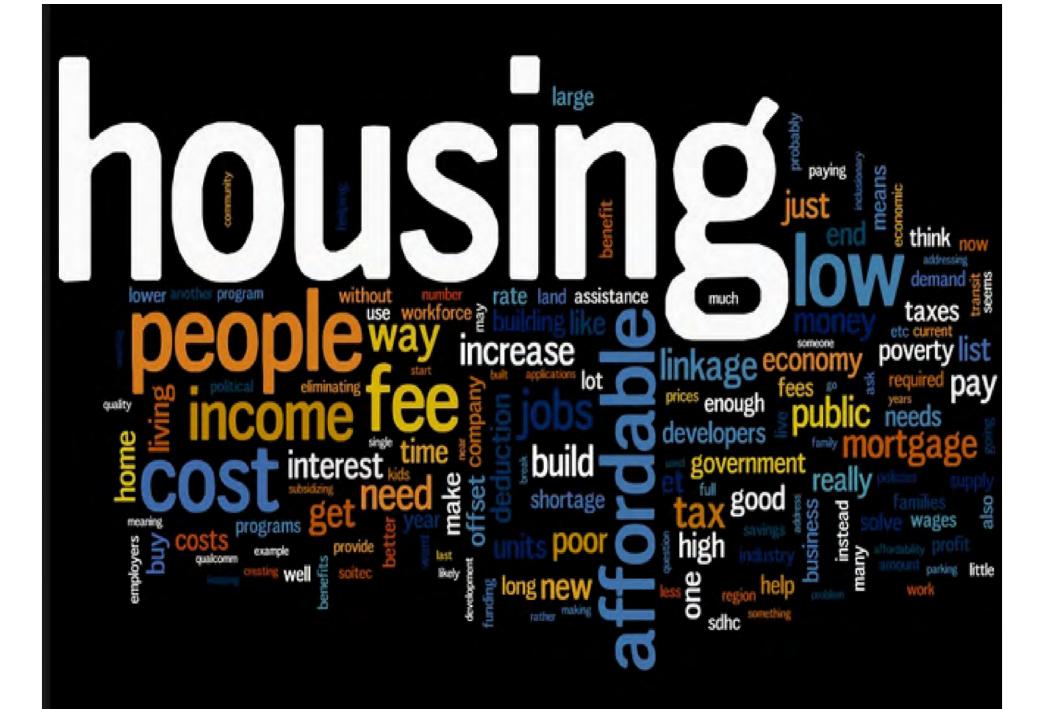
MPower Project Pipeline 2014-2015



MPower Project Pipeline 2014-2015







Affordable vs. Market rate

Common Barriers

- Lack of Info
- Lack of Control
- Owner pays some if not all utilities

Unique Barriers

- Basic needs are primary
- Trust is king
- Technology can be a challenge

poverty

Increa- Language

Helpful Traits

- Larger sense of community
- Naturally keep costs down based on scarcity when paying own bills

- Gain trust



- Gain trust
- Educate



- Gain trust
- Educate
- Incentivize





- Gain trust
- Educate
- Incentivize
- Take Action and Commit



Working with Owners

Assess Inform & Install Monitor









Assess



Owner/sponsor representative can choose which programs to focus on and get more in-depth than the following examples



Do you have the ability to control the temperature in your home?			Yes	O No
	'yes" to the question above t temperature do you typic	ve, cally keep you home at?		
Do you turn off your air conditioner when you leave your home?			Yes	O No O N/A
What forms of tra	insportation do you use m	nost to get around? (check all th	at apply fo	or work, home, i
O Car O Train	O Motorcycle O Subway	O Bike O Bus		
Other forms of tran	nsport:			
WATER				
Do you notify property maintenance staff of leaky faucets and toilets?			O Yes	O No
Are you interested in faucet fixtures that use less water?			O Yes	O No
Do you turn off the faucet when you brush your teeth?			O Yes	O No



How familiar are yo	u with your city or town's r	ecycling requirements	?			
O Very familiar	O Somewhat familiar	O Not at all familiar				
Which of these do y	ou recycle?					
O Metal	O Plastic	O Paper	0	None		
How many disposal	ble plastic bottles do you e	stimate you use each v	veek?			
HEALTHY LIV	ING					
Are you interested i	n learning about non-toxic	cleaning products?	0	Yes	0	No
Are you interested i	n learning about strategies armful chemicals?	s to eliminate pests	0	Yes	0	No
Are you interested i	n learning more about hea r activities?	Ithy food,	0	Yes	0	No

Culture and Sense of Place

- Do you feel safe? If not what would make you feel safer?
- Energy reduction is important to all of us for different reasons. Why is it important to you and how does your family work to save energy?
- What would you change about your community if you could and why?



Hands On Tools

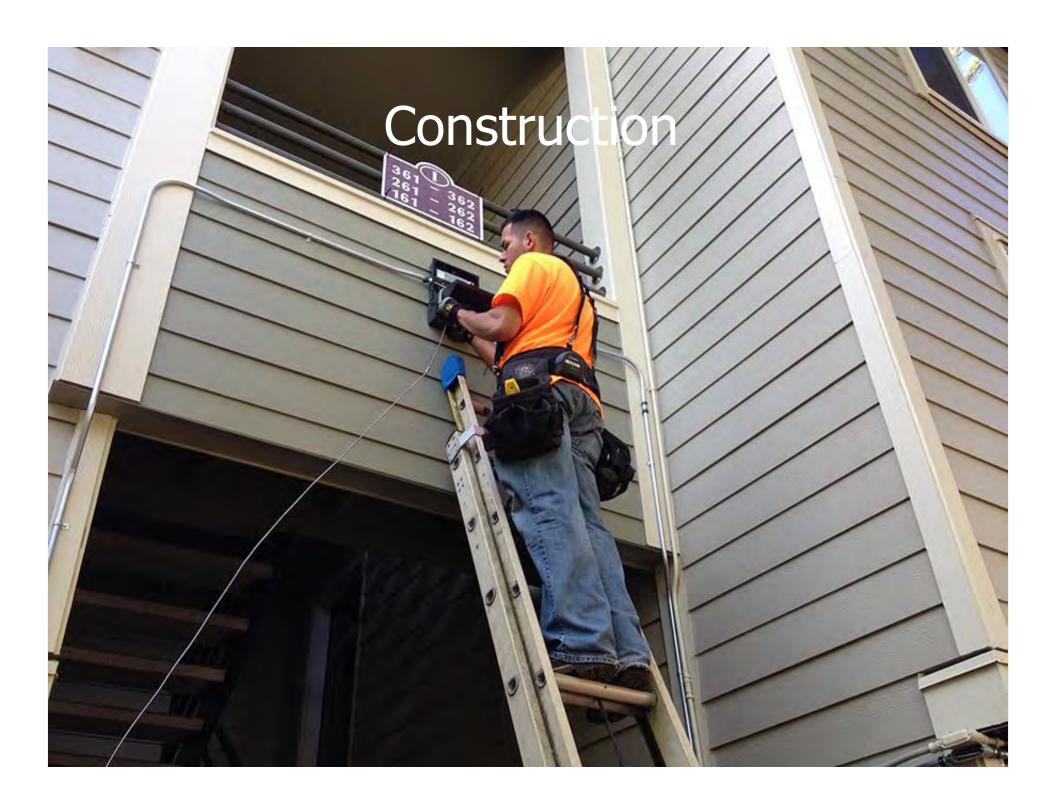












Monitor

wegowise





Tenant Engagement and Installation of Sub-metering Case Study



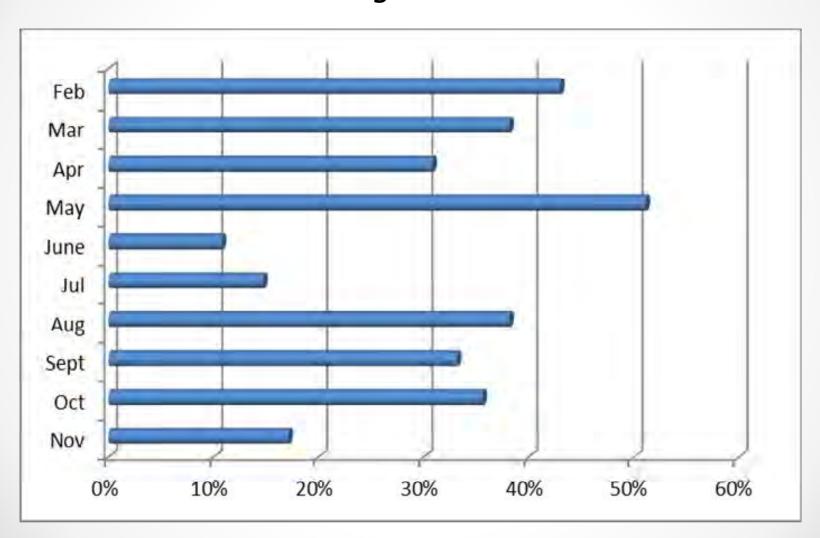
Results 2011- 2013

		CCF's p/day		% difference from 2011 to 2012	% difference from 2012 to 2013
	2011	2012	2013	2012	2013
Jan		3.7	2.8		
Feb	5.5	3.8	3.1	32%	17%
Mar	5.6	3.7	3.5	34%	6%
Apr	5.5	3.7	3.8	32%	-1%
May	6.9	3.0	3.4	56%	-12%
June	5.8	2.5	5.1	57%	-106%
Jul	6.2	2.9	5.3	54%	-84%
Aug	6.2	2.9	3.8	54%	-33%
Sept	5.4	3.2	3.6	42%	-15%
Oct	5.1	3.1	3.3	39%	-5%
Nov	3.8	2.4	3.2	36%	-30%
Dec	3.5	2.7			

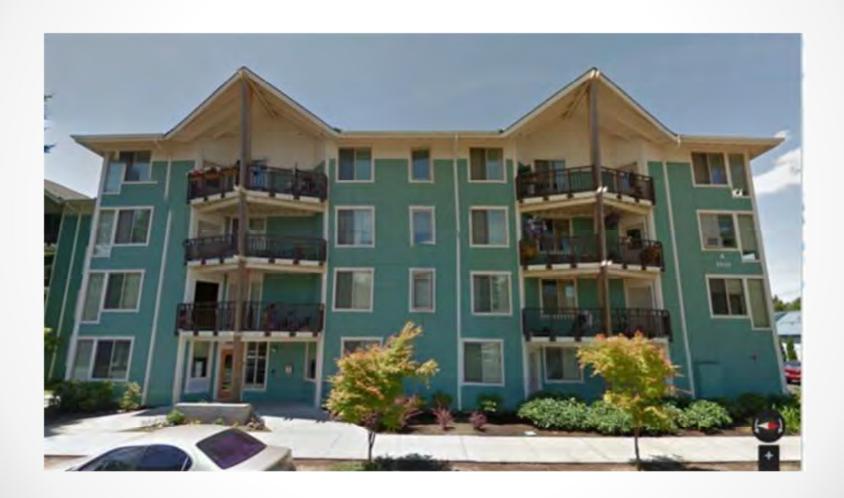
Measured only Feb-Nov for all 3 years.

Sub meters installed Low flow toilets installed Irrigation split installed 39% Difference after install yet b4 toilets installed. 14% additional difference after install yet b4 irrigation -30% Difference after install due to "neighbor borrowing"

Same Property Overall Savings from 2011 - 2013



Next property, same owner, anything different?

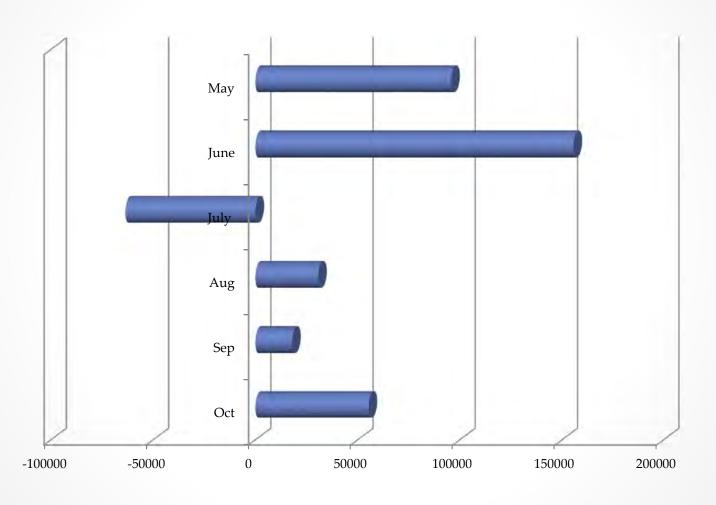


Next property, same owner, anything different?

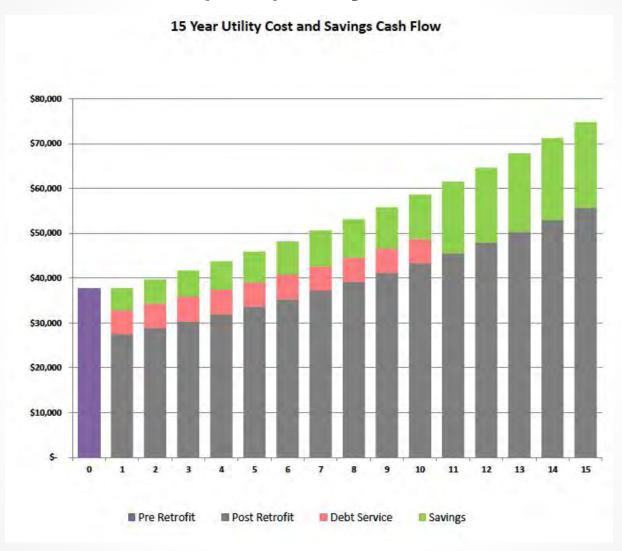


Advanced Notice

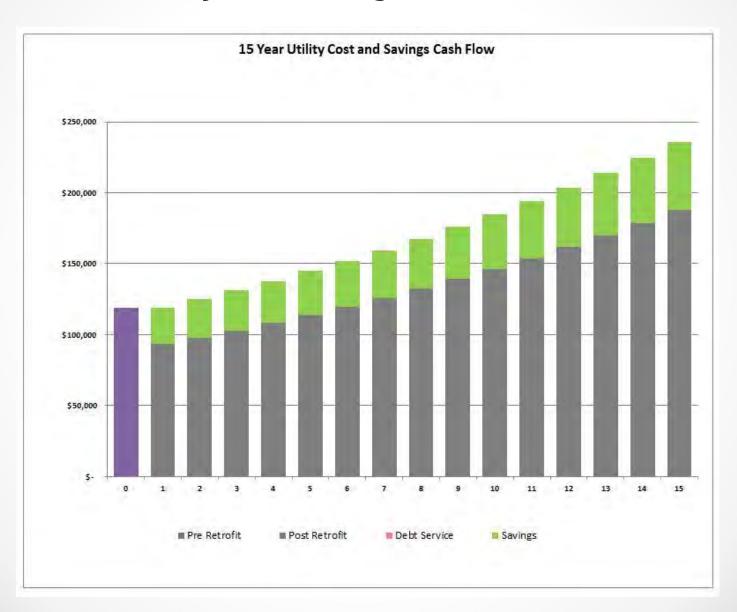
Tenants told in late May early June



Property Projections



Projected savings for Tenants



Applying Behavioral Economics for Underserved Communities

Common Mistake: In the effort to *deeply* understand our customers, we often *lose focus* of what we are really trying to accomplish.

MARKET BARRIERS



- Lack of Capital
- Lack of Education & Info
- Complex Processes and Forms
- Cultural or Language Barriers
- Lack of Resources

Vs. COGNITIVE BARRIERS



- Lack of Self Control
- Future Discounting
- Decoy Effect & Framing
- Choice Overload
- Social Norming

Program, Technology, Tools & Interventions

Design Techniques,
Positioning, & Graphics



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