

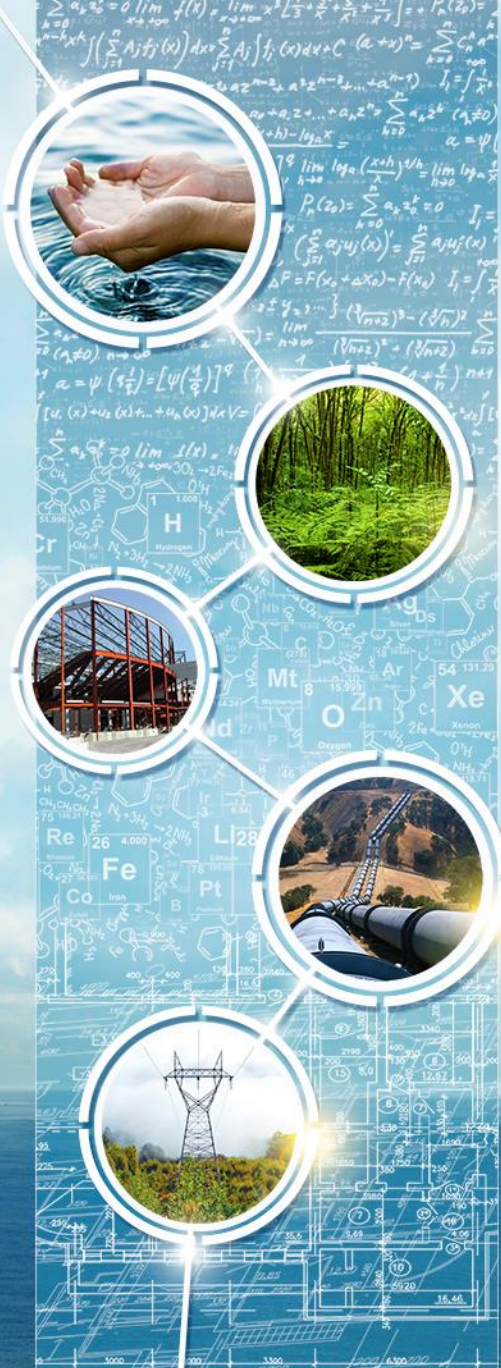


Somewhere in the Middle: Understanding Efficiencies in Net-to-Gross Studies

2019 IEPEC Conference — Denver, Colorado

August 22, 2019

Carrie Koenig, Tetra Tech



Acknowledgements

- Tracy Dyke-Redmond, Eversource
- Pam Rathbun, Tetra Tech

Study background

- Berkshire Gas
- Columbia Gas
- Cape Light Compact
- Eversource
- Liberty Utilities
- National Grid
- Unitil



Free-ridership components

Timing

Quantity

Efficiency

- Efficiency is a key component to the algorithm
- How do respondents interpret efficiency?

Efficiency question from Framework

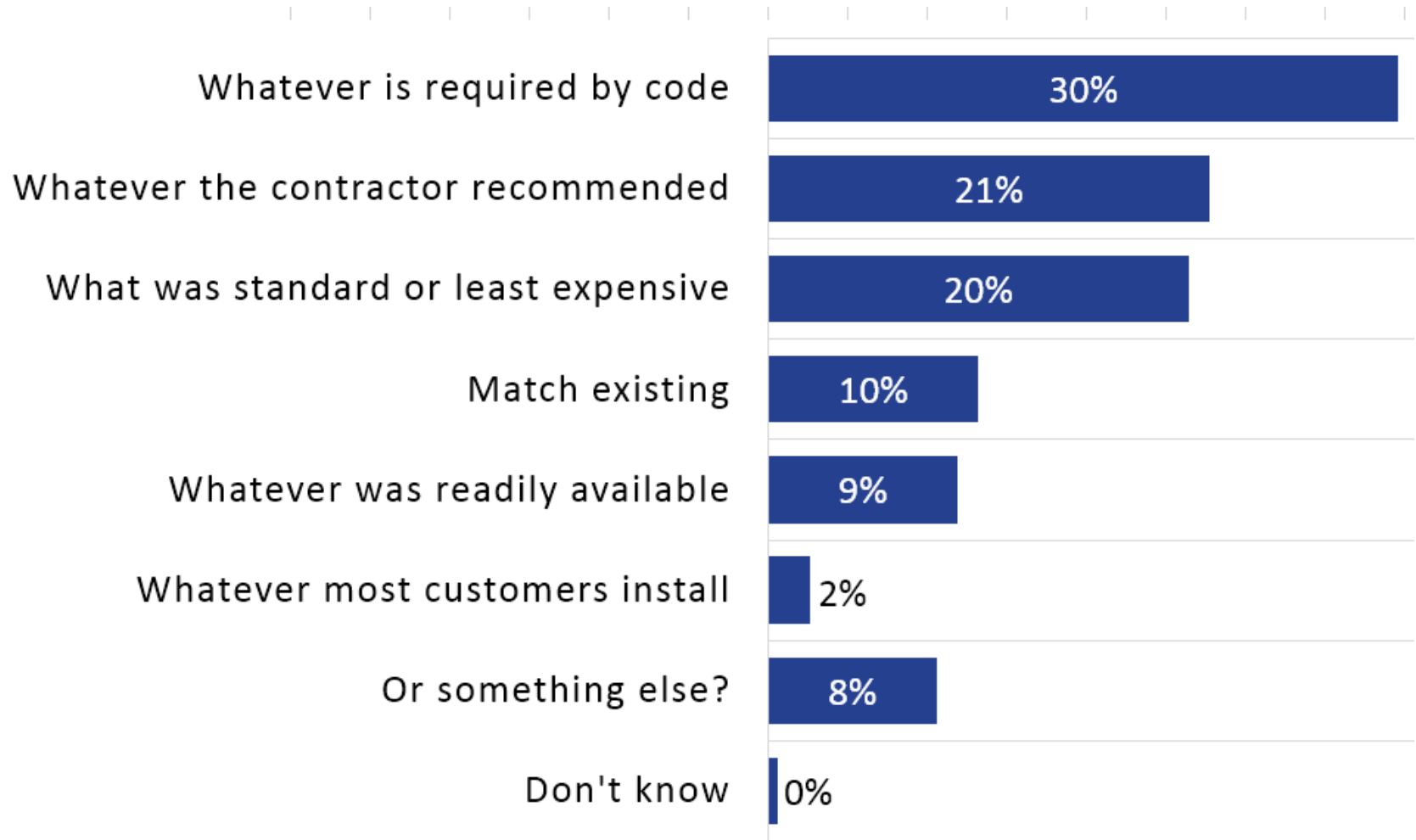
Would your business had installed the same efficiency?

If no,

- What percent would have been standard efficiency or minimum code?
- What percent would have been between standard efficiency and what you installed through the program?

Standard efficiency

When you talk about standard efficiency equipment, which of the following best describes what you mean?



Mid-level efficiency

When you talk about mid-level efficiency equipment, which of the following best describes what you mean?

Whatever was mid-level or less expensive than the high efficiency option

33%

Whatever the contractor recommended

27%

Whatever is required by code

21%

Whatever was readily available

6%

Whatever most customers install

2%

Or something else?

9%

Don't know

1%



Alternative technology question example

If you had not installed <measure> equipment, which of the following would you have most likely installed instead?

	Lighting
Program eligible equipment	LED lighting
Alternative technology A	High performance T8s
Alternative technology B	T8 fluorescents
Alternative technology C	T5 fluorescents
Alternative technology D	HIDs or metal halides

Alternative technology results

Equipment	Percentage
High performance T8s	16%
T8 fluorescents	8%
T5 fluorescents	14%
HIDs or metal halides	2%
Something else	12%
Would have installed nothing at this time	38%
Would have installed the same technology	1%
Don't know	9%

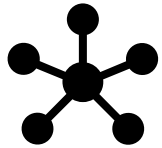
Conclusion



Respondents can report on the alternative technology



Better definitions needed around efficiency, if not asking about alternative technologies



Alternative technologies will need to be identified for all incentivized measures

Carrie Koenig
Carrie.Koenig@tetratech.com
608-316-3624

Tetra Tech
Madison, WI
Tetratech.com

