The TPP

Seattle’s Target Performance Path

2013 BECC Conference

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WDKWWWG.
WDKWWAWWA.
1. We don’t know where we’re going.
1. We don’t know where we’re going.

2. We don’t know where we are when we arrive.
Checklist mentality
Punish high performers
Minimum = maximum
Ambiguous evaluation
Nasty code development
Industry push for low stds
Prediction vs. performance
Checklist Mentality
LEED = Platinum  
EUI = 170
☑ Fabulous
☐ Excellent
☐ Great
☐ Acceptable
☐ Needs a little work
✓ huh?
☐ huh?
☐ huh?
☐ huh?
☐ what?
Recipe

- Green roof
- PV
- Daylight
- Sun shades
- VAV
Intentions  Motivations  Obstacles
Punishment for high performers
Swedish solar shading
Does code support innovation...  

...or get in its way?
Minimum = Maximum
QUIZ:

- LEED V4 Silver
- Seattle Energy Code 2012
- 20% better than 2007 ASHRAE 90.1
- 2013 ASHRAE 90.1
- 50% better than 2004 IECC
- 2030 Challenge – 60% reduction
- 2010 CA Title 24 + CalGreen
Confrontational code development
Modeled Performance

Actual Performance

expectation

reality
How to reduce energy use

<table>
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<tr>
<th>Country</th>
<th>Cents per kWh</th>
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<td>Denmark</td>
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Pick your poison

- Performance bond
- Revoke permit
- Increase taxes
- Increase utility rate
- Civil fine
6 open garage
12 enclosed garage
40 office
45 school
50 medical office
60 retail
150 hospital

1. Predict.
2. Prove.
3. Pay?
Overshoot the target
Set good habits
Work with really smart people
Mandatory:

☐ Air barrier testing
☐ Commissioning
☐ Metering
☐ Plug load controls
☐ Solar-ready roof
Pledge & Fine

(not performance bond)

• No upfront cost
• File “pledge” letter
• Burn it when you hit target
• Max fine $4/sf
Vision
Does the TPP resolve these?

- Checklist with no measurable goal
Does the TPP resolve these?

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- Punishment for high performers
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- Industry push for low product standards
Masonry & EIFS
“The Perfect Match”

Substrate
StoGuard® spray-applied air barrier
Insulation
Mesh
Base coat
StoTherm® finish

Optimize your energy performance!
Does the TPP resolve these?

- Checklist with no measurable goal
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- Industry push for low product standards
- Gap between predicted & actual performance
Does the TPP resolve these?

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Commit to a target  
Prove it in public  
Brag about success

This can’t wait.

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