

Built Environment Efficiency Working Group
1/4/2018

Meeting Attendees

In Person: Ruchi Sadhir, Jason Eisdorfer (PUC), Warren Cook (ODOE), Ann Hushagen (ODOE), Blake Shelide (ODOE), Brett Salmon (BCD), Dan Elliott (OHCS), Ariel Nelson (OHCS), Brian DeForest (DAS)

Phone: Roger Kainu (ODOE), Rob Delmar (ODOE)

Meeting Notes

Ruchi: Thanks for getting together, overview of agenda.

No group additions to agenda.

What to accomplish roundtable:

Brian (DAS): DAS stakeholders in EO are mainly other agencies. Goal is to find out what is the group looking for, what sort of support from DAS. Will coordinate DAS resources to help inform group.

Ariel, Dan (OHCS):

- Live in part 5 of EO, quite a bit for OHCS in this one. Have programs and funding resources, already having discussions with ODOE and PUC on how to collaborate. Questions on housing stock is how detailed do we want to get?
- Have information, just a matter of aligning and compiling the data
- Expand multifamily energy program (expanding this week, temporary rules), will initiate this with upcoming funding offerings
- Expanding into naturally occurring affordable housing (NOAHs), housing stock that isn't subsidized, but includes low-rent, affordable units. Haven't traditionally touched these, ETO programs have been hit and miss, and OHCS is expanding their program to fill gaps. How do we discover this market more and get them to be involved and provide state assistance (energy or otherwise).
- Recognize need to match with ODOE energy reporting requirements.
- Other part is manufactured home replacement initiative. OHCS is going public with a plan for program for pre-1976 manufactured homes for low-income. 2 pilots under consideration. Have a good data map on website that shows hot-spots of maps for high-potential areas for retrofit cross referenced with low-income. Significant energy reduction potential across 80,000 (out of 146,000) pre-1976 manufactured homes. Of 80k, 60k are low-income. One pilot will focus on non-profit, one will be a co-op owned pilot. First pilot = 15 homes, next pilot not sure. Hoping for 100 replacements in next 18 months. About \$5M to capitalize with OHCS funds + outside funds.
- Looking at health and habitability, with UO and PSU, to do pre and post evaluations of home replacements
- 10 year plan in EO will be key

Brett Salmon (BCD)

- Potential barriers, due to being a regulatory agency. Boards need to provide key input. Code process involves regular rulemaking and evaluation of fiscal impact. Boards provide finding on added costs.
- Updates will follow general code process (proposal, committee, board, BCD). Costs and paybacks will be a key consideration along the way.
- Heavy ODOE involvement on high energy use industries and cost development tool. BCD is a little unsure how to assist in this, since they are generally out of the picture after certificate of occupancy
- Ruchi: cost development tool is high priority, needs to be in place by 1/1/2019 to inform future decisions related to EO implementation. Tool is an overarching priority.
- OHCS indicated the cost piece could be a capacity barrier too.
- Warren: BEEWG can ID key inputs to cost analysis tool
- Ruchi: can BCD provide a process for regular information sharing and updates? Brett: yes
- Cost and affordability will have many stakeholders that want to be involved
- Reference to WA cost analysis tool. It is complex.
- Ruchi: Each agency has their own way of considering costs. This EO doesn't supersede this, but would create consistency and an overarching cost analysis. Cost tool informs off-ramps in EO.
- Warren: Agencies can submit our individual cost tools, all are different, EO doesn't specify what we are trying to "buy" with cost effectiveness.

Jason Eisdorfer (PUC)

- Most of what PUC is doing is working with others
- Move ETO to push harder on deep retrofit pilots
- Lots of opportunity
- Concerned a little about cost analysis as well. PUC looks beyond brick and mortar for cost, but also looks at avoided costs of generation, T&D, environmental adder. Don't take grand societal values into account (needs to be electricity service related), but there are lots of quantitative elements in there. Need to be careful from commission standpoint to only include real costs that a customer might see.

Warren Cook, Ann Hushagen, Blake Shelide (ODOE)

- Focus on existing state-owned buildings for tracking. Most state building with targets are meeting them, but not all buildings have targets.
- Focus on "eligible" state-owned buildings
- Some open questions on carbon neutral operations definition

Next steps:

- Send to ODOE (Blake) top items/priorities for consideration
- Gantt chart outlining schedules for each directive and deadline
- Doodle poll for next meeting time
- Think about stakeholder part
- Next meeting in about 4 weeks.