

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of Energy and Environment

Green Building Advisory Council

Meeting Date: 04/05/2017

Meeting Location: DOEE, 1200 1st Street NE

Attendees: Bill Updike (DOEE), Marshall Duer-Balkind (DOEE), Alexis Goggans (DOEE), Molly Simpson (DOEE), Bryan Homer (DCRA), Jay Wilson (DOEE), Anica Landreneau (HOK), Dave Epley (DCRA), Lindsay Falasca (HCA), Kate Bergfeld (DOEE), Sally Parker (DCPS), My-Lea Coulombe-Quach (DOEE), Bill Wright (DOEE), Kate Johnson (DOEE), Holly Lennihan (HCA)

Attendees (Via Phone): Carl Reeverts (Council appointee), Anna Shapiro (DMPED), Lisa Mallory (DCBIA), Maureen Holman (DC Water)

Main Points/Discussion:
Introductions (All)

Historic Buildings Sustainability Guidelines Grant- Molly Simpson

- Awarded to Hickok Cole Architects, RCLCO Cole, SGH, Traceries
- Kick-off meeting scheduled for Friday, April 7, 2017
- Target date for completion is September 30, 2017
- Final work will culminate in guidelines for the District

Grants for Fiscal Year 2018- Bill Updike

Performance based procurement for DGS- *Based on NREL's Golden Campus in Colorado which created a net zero building ahead of schedule, at \$250 per square foot with no contractor driven change orders. Methodology is for the RFP to have 3 buckets: Must Haves, Highly Desirable, & If Possible.*

Quantifying Resiliency of Deep Green Building- *Looking to assess impact of incorporating resilience and zero energy investments on buildings to reduce impacts of emergency situations and prolong a buildings suitability from hours to days after them.*

Living Community Challenge- *Will build upon the work done with current grant.*

Carbon Neutral or Carbon negative concrete study- *Goal is to assess the impacts on the policy and economic ramifications of implementing carbon neutral concrete in the District. A summit will be held on May 10th at Georgetown University's Continuing Education Campus.*

Solar + thermal potential for critical buildings- Assessing solar and thermal technologies for public facilities providing critical services (healthcare, water, heat, communications, etc.)

Boston Renew Trust model for DC- Boston created a model for funding energy retrofits for public buildings where the financials do not count against the debt cap for the City.

Ground Source Heat Pump Science and Policy- DOEE has been in contact with firms on the benefits and challenges of implementing various heat pump technologies. Problems to address include ways to reduce heat loss between buildings, and pump inefficiency from multiple adjacent wells.

Regional Biogas Potential Study- Identify opportunities to move away from natural gas and utilize biogas within a 500 mile radius of DC. This could take advantage of farmland activities in VA and MD.

Green appraisals/Green Leases/Green MLS- How to assist appraisers and developers properly evaluate green buildings.

Building Wellness- Assessing opportunities to incorporate air quality standards, active design and biophilia into green buildings. This is ideal for public facilities, especially schools. DCPS and DGS have been discussing this as an opportunity.

Sustainable Planning Grant Update- Jay Wilson

- Assessing how St. Elizabeths might operate if the project used the Living Community Challenge as a guiding model
- Additional work being done to assess the impacts for Poplar Point and a possible energy utility hub
- See the “Changing the Status Quo” PDF at the end of this document for a presentation of project scope and findings
- Group discussion included:
 - Opportunities to incorporate biophilia into future project design
 - Create a multiplier with the Green Area Ratio to encourage development of wildlife habitats or gardens
 - Leverage the Affordable Care Act for funding and utilize previous studies to demonstrate the value add and return on investment
 - Way to demonstrate the true ROI based on the District’s baseline

GBAC Work Plan Updates- Bill Updike

Green Construction Codes

- Proposed Action 2: Recommendation is for this action to stay as is and wait for the program to formalize before identifying opportunities to support or expand. There also may be additional training opportunities the GBAC can support.

Sustainable DC Implementation

- Sustainable DC Implementation: Kate Johnson mentioned the Sustainable DC Plan launch an update cycle later this month. It might be helpful for the GBAC to discuss how they can support the Sustainable 2.0 Plan and amend the work plan language.

Clean Energy DC Implementation

- Clean Energy DC Implementation: The formal feedback must be provided by September 30, 2017, not October 1, 2017. The GBAC will utilize the June meeting to provide feedback on the plan.

Green Building Innovation

- Action 1: Possible amendment or addition to invite DC SEU to address how the GBAC can support work throughout their new contract.
- Action 2: The single family and low-rise residential green building working group won't be complete until the end of 2017.
- Action 3: Combine action 3 with education training under the Green Construction Codes.

Green Building Process & Regulation

- Remove Action 3
- Rewrite Action 4 to include IDIQ procurement

General Feedback

- Work with the PIO to create a common marketing strategy for energy efficiency programs managed by DOEE.

Roundtable Updates

Jay Wilson- DOEE continues to work on the Comprehensive Plan and will continue for the next 60 days. DOEE is providing over 500+ comments and proposed amendments to the Plan and encourages GBAC members to comment.

Anica- Discussed the Predicted Energy Use Intensity Reduction benchmarking completed since they began reporting on their portfolio in 2011. HOK met their 60% reduction in the United States by 2017 and reported a 55% reduction in EUI across their national and international portfolio as compared to the 2011 baseline.

MaryLynn – May 22nd is the Biophilia Workshop at UDC.

Dave Epley – Planned review is completed for development projects in the city. Work is being done to create a green building review that can be integrated into the planned development review process.

My-Lea- Is running DC Government infrastructure projects through the Envision standard to assess gaps.

Marshall- Annual benchmarking deadline was April 3. Goal is to increase data quality and accuracy. This year the models developed by the data quality grant are being used to provide buildings with a grade and identify which properties may be in need of assistance. 1,300 reports have thus far been received. Over 827 have been accepted. Public disclosure will be completed as soon as next month and will include a web based tool map.

Molly- Molly will be presenting on the behavior change models at an upcoming national conference. Molly will also be presenting at the upcoming NEWHAB conference. The weatherization RFA includes a solar component for the first time this year. Please forward to any contacts.

Bill- Shared progress made on the newly announced Green Bank, which will make the District the first city in the nation to implement legislation of this kind. Recommendation is to provide a summary of the Green Bank work for the 2013-2016 Green Building Report or on the website.

Date for next meeting: June 7, 2017

Location for next meeting: DOEE, 1200 1st Street NE, 5th Floor

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