

E2C2 Energy Committee January 23, 2019 Meeting Summary

Present: John Bloom; Scott Dicke, Jonathan Gritz, Scott Sklar, Charles Girard, Rick Keller, Stephanie Burns, Vince Plaxico, Vijetha Huffman, Claire Noakes

County staff: John Morrill, Rich Dooley

1. Greetings and introductions

- Three new

2. Past Energy Committee meeting summaries

- Approved for Nov and Dec meetings

3. CEP Update/AIRE Team Update

- John Morrill offered background and reminder of GHGe inventory and energy modelling efforts
- Staff heard from other communities and received comments from the Arlington community, which led staff to see what it would take for the community to reduce its GHGe to less than 3.0 mt by 2050
- We don't have control over some things, e.g., CAFE Standards at the Federal level, but we are able to influence things locally, e.g., the local electrification of the transportation sector infrastructure, the pursuit of more renewable energy.
- What's the Committee's take on setting a more aggressive target than 3.0 mt by 2050? Should the draft plan update pose the question: 3.0 or 1.0 mt?
 - A: We could propose 3.0 mt and tell the community what it would take to get there, and propose 1.0 mt and what it would take to get there
 - A: What about consulting with the county Board in advance of going public with the draft plan to see what direction the County Board and/or County Management would want to take?
 - A: We should show what the stretch would look like to help us get to 3.0 and 1.0 and get the community's feedback
 - A: Should we instead propose 1.0 mt and zero mt by 2050 instead of 3.0 and 1.0?
 - A: Offsite PPAs are a given for us to reach our goals.
 - A: How are the costs presented for the current 3.0 mt in the current CEP?
 - Staff: We have not yet put \$ to the 3.0 mt goal. Thus far the goal has been aspirational and level of effort-based.
 - We could pay a consultant to conduct Input/Output modeling using a proprietary tool - uses macroeconomic changes in energy efficiency and renewable energy. The model produces analyses of costs, benefits, job creation, economic activity. We're thinking of working with a consultant to get a macroeconomic analysis for 3.0 vs. 1.0 mt goals. It becomes an opportunity cost view.

- A: Without budget context, driving to less than 1.0 mt can be difficult for the County Board to accept for the community during these challenging budget times.
- A: How much of our latest advances in GHGe reductions are the result of the grid getting cleaner? We'll need to have that information available.
- A: Will the CEP Implementation Framework change dramatically if we change the goals from 3.0 to 1.0 mt?
- A: We need to tell people that even though we were ambitious and transformative in 2013 with the 3.0 mt goal, the world has changed since 2013, and to continue to be a leader we should continue to strive to be better.
- A: Instead of conducting an macroeconomic analysis, should we instead devote resources to implementation project matters?
- A: The stretch goal is important for the public to understand and know. The CEP's role is to raise public awareness about this topic. Also, a stretch goal helps energize the public toward the new goal.
- Consensus - the EC will be ready to support more ambitious goals

4. Transportation issues

- We understand that the Transportation Dept. is not focused on electrification, so what is the Committee's role to emphasize the need for such electrification?
- Move that discussion to the annual planning discussion later on in today's meeting.

5. University project - update and discussion

- A project with a student is being developed; more to come on that.

6. Annual planning

- The Committee used the Annual Planning outline document for this discussion.
- Goal of today's discussion: Try to identify a few new ideas and directions

Committee Meetings:

- Are morning meetings still the way to go?
 - A: Yes, set up morning meetings for now, and look at possible evening meetings as needs warrant.
- The Committee is willing to accept new members as interest grows
- What about meetings, agendas where we bring in experts on various topics to expand our knowledge?
 - Possibly tie that idea to an evening meeting, e.g., a Central Library meeting hosted by the Committee (and others?) - or if GMU or VT wanted to host it, that could work

- What about having a meeting with a strategic focus on the CEP implementation "wins" we could showcase? For example, another public CEP Update community meeting to add to the civic engagement that is already planned for?
- How about a Green Investing session? The Chamber of Commerce is holding a session focused on APS and sustainability in the Spring. What about teaming with the Chamber for a Fall session to answer questions about Green Resources for individuals - possibly one for commercial property owners and another for residential property owners?
- How about bringing an EV vehicle, electric bikes to an event, meeting? Cross-promote with the local EV Club (DC Metro area)
- The EC needs to be strategic in what it wants and plans to do given limited time and availability – we need to be realistic in terms of what we can do since putting on an event takes a lot of time and effort.

Subject Area Leadership:

- Committee members could take the lead on one or more CEP Goal Area(s), or play a role in those Goal Areas to help keep the other Committee members updated on the latest developments, advancements in the Goal Areas. The following table indicates Committee members' commitment to each of the six CEP Goal Areas (with notes following the table further explaining specific areas of interest in addition to the CEP Goal Area number):

	1-Buildings	2-District Energy	3-Renewable Energy	4-Transportation	5-County Gov't Activities	6-Education & Outreach
Rick Keller					X	X
Scott Sklar		X	X			X
Jonathan Gritz	X	X	X			X
Charles Girard	X	X	X			
John Bloom				X		
Stephanie Burns				X	X	
Scott Dicke	X					
Vince Plaxico			X			
Vijetha Huffman		X	X			
Claire Noakes					X	
Scott Brideau	X					X
Jonathan Morganstein				X	X	

- Equity and Environmental Justice issues – Scott D., Scott B., Jonathan M.
- Scope 3 issues: Investments, waste handling/recycling, procurement policies, etc. Rick K. (procurement), Vince P.
- Energy finance issues – Jonathan G., Scott D., Vijetha H., Vince P.
- Keeping up with other jurisdictions – MWCOG, NVRC, etc. (part of Goal 5) – Charles G.
- Keeping up with other organizations (Chamber, BIDs, CivFed, EcoAction, Sierra Club, CCL, 350, LCV, etc.) – Many connections - gaps?
- University Project/Local research -- keeping up with/leveraging local universities/Arlington Tech – Scott S., Jonathan G., Scott B.
- State and Federal policy issues (Part of Goal 5) – John B., Stephanie B., Claire N., Jonathan M.
- Electrification – Charles G., John B., Jonathan G.

Areas of focus for the Committee in 2019?

- CEP Update and CEP Implementation Framework Update
- Electrification of the Transportation sector
- Engagement with APS - especially on Transportation matters since there is a desire to meld APS and ArlCo Transportation efforts
 - J Chadwick - APS Transportation, C Lin - Energy Manager
 - Mtc costs - lower for EVs? Ability of current staff to maintain such buses or the need to find other staff to maintain them?
 - What about PPAs as financing options for EV buses? Chicago example (Sklar)
 - Dominion Power? Any interest to partner with them where they could help buy down the cost for EV buses
 - Where do we site EV chargers for such buses? Buck Property?
- One meeting per year to collaborate with other jurisdictions
- CCAs – interest in learning lessons from California and other states where this is happening
- Emphasize the Solar House and Innovative House visits - a weekend per year, similar to and/or in conjunction with the usual Fall Solar Home Tour.

Member updates:

- Charles Girard – We should think about what Amazon would like to do with its energy use.
- Rick Keller - April 9th forum is an APS - Chamber event. Rick recently went to an EV bus demo - Alexandria and Fairfax Schools participated.

- Stephanie Burns – The message/takeaway from today’s discussions: we need to be clear as to what our objectives are for any event we hold.
- John Bloom - E2C2 heard from a group that asked the County Board to endorse a price on carbon. E2C2 seems to be in agreement about the need for a carbon price with plenty of debate possible over details of how to do that. John will ask that the EC be included in review of any letter E2C2 considers on this issue.
- Rich Dooley – an Innovative Clean Energy Financing event is happening 1/24/19 – he will send the information to Committee members after this meeting

7. Wrap-up and adjourn

- Meeting adjourned: 9:37 am