Energy Task Force
10/3/13
Summary

Summary of Conversation Topics

• Specific feedback for everyone to go back and work on sections a bit more
  o Please spell out acronyms used after the first time you use them so that it’s understood what they are
  o A number of bulleted lists and lists of phrases within the sections that don’t have a lot of explanation with them.
    ▪ Add more narrative with those lists, paragraph/narrative form would be more helpful
  o Lists regarding recommended actions
    ▪ Helpful to have the lists prioritized to some degree so we know what’s most strongly recommended/important
    ▪ Timelines for the actions would be useful
  o Implementation/evaluation section for each section still needs work
• Next drafts by the end of October
  o Could a template be created to help guide next set of revisions?

Key Agreements

• Next draft of sections to be done by end of October
• ETF/TPC need to begin communicating more and sharing information

Next Steps
The group identified the following next steps (or commitments) during the meeting:

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<thead>
<tr>
<th>What</th>
<th>Who</th>
<th>By When</th>
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<table>
<thead>
<tr>
<th>What</th>
<th>Who</th>
<th>By When</th>
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<tbody>
<tr>
<td><strong>WildCAP next steps</strong></td>
<td>ETF members, authors of sections</td>
<td>End of October</td>
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<tr>
<td>Going forward</td>
<td>Lou sending template around</td>
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<tr>
<td>• Template to give everyone to use the same system</td>
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<td>• Revisit sections and add more narrative, get rid of bulleted lists</td>
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<td>• Look at health services what’s going on with Lyme Disease and other types of diseases in campus population</td>
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<td><strong>TPC/ETF</strong></td>
<td>Paul Chamberlin</td>
<td>November 26</td>
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<td>Next meeting of TPC</td>
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<td>• Come in with a solid 15 minute overview</td>
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<tr>
<td><strong>Attend next EcoTF meeting</strong></td>
<td>Mike B. and Lou</td>
<td>Next meeting</td>
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<tr>
<td>Provide update on land use/WildCAP</td>
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Ecosystem Task Force
10/3/13
Detailed Notes

Participants
• Mike Bellamente, Climate Counts
• Paul Chamberlin, Facilities
• Jackie Cullen, UNHSI
• El Farrell, UNHSI
• Tat Fu, Civili Engineering
• Filson Glanz, Electrical Engineering
• Tom Kelly, UNHSI
• Matt O’Keefe, Facilities
• Steve Pesci, Campus Planning
• Lisa Pollard, Purchasing
• Beth Potier, Media Relations
• Lou Simms, Grad student, UNHSI
• Mike Welch, Enterprise Computing
• Peter Wilkinson, ETF Student Ambassador

Facilitator: Paul Chamberlin
Content Manager: Jackie Cullen

Welcome and Introductions
Paul updated on energy consumption on campus
• Discussion going on now about energy conservation measures: night/weekend setbacks
  o Creating conflict with some research activity in lab buildings. Need to support research 24/7, and run our buildings 24/7
  o Gotten up to higher levels
  o Want to be a research institution but on other hand have GHG emissions goals and reducing consumption
  o Setbacks can’t necessarily get overridden
  o Labs are regulated because of hood airflow, issues are from offices in the building.
  o Thus far manifested as a cooling problem
  o What are options for south facing offices? Trees, overhangs on those windows.
  ▪ Newer construction buildings have those

WildCAP status update: Lou
Feedback on drafts
• Have a rough draft, still a fair amount of work to get it all into one coherent report
• Specific feedback for everyone to go back and work on sections a bit more
  o Please spell out acronyms used after the first time you use them so that it’s understood what they are
A number of bulleted lists and lists of phrases within the sections that don’t have a lot of explanation with them.

- Add more narrative with those lists, paragraph/narrative form would be more helpful

Lists regarding recommended actions

- Helpful to have the lists prioritized to some degree so we know what’s most strongly recommended/important
- Timelines for the actions would be useful

Implementation/evaluation section for each section still needs work

- Who will lead the implementation efforts
- Who will evaluate
- What are the metrics to use to evaluate what we’re doing

EI: suggestions

- Even as basic as a committee formed to develop a comprehensive an evaluation plan.
- Who should be involved in that committee
- Mike B: hesitation was not to “tell” people in dining/housing etc. that they have to be part of a committee
  - Would be fine to recommend a body to evaluate
  - Unless there’s best practices to point to, would be OK that they need to be brought together based on any best practices there are

Next drafts by the end of October

- Could a template be created of what we should clean this up into
- Right now is over 50 pages, very few will read
- Challenge: Transportation i.e. create a lot of lists, each different group, multiple permutations of lists
- How should accomplishments look, for example:
  - High level list of last ten years
  - Last one year, more details
- Technical sections will look similar, but behavior, research/engagement, might look different from those

Discussion of specific sections

Air Travel

- Were looking at different years
- We’re at 56,000 with the most recent inventory,
- Have adjusted the 1990 baseline to be higher, which brings our numbers now lower by 4000
- Highlighting that travel related emissions are a more dominant part of our footprint than we’ve appreciated, how does that change the overall strategy for getting to our 2020 goal and beyond?
  - Commuter emissions have increased in overall UNH emissions
  - Overall emissions have gone down, CoGen, but the share of commuter emissions have gone up.
  - Is this the long-awaited rational for ETF/TPC
• Feedback on last TPC meeting
  o Concern expressed that there was some erosion in commitment to TDM
• Commuting
  o More beds in Durham, what are implications of those students living closer? Less in outlying communities
  o TDM was lining up behind Dirk Timmons, to support rule of no parking pass if you’re 1 mi or less from campus
  o Commuter parking permits dropping 5% every year for many years
  o This Oct data: dropped 10% last year
  o Transit growth flattened last year even though services were added
    ▪ Likely because of addition of beds, Cottages: can’t get commuter permits
    ▪ Campus connector is up 8-10%
  o Macro parking permits were down again, including faculty/staff
  o Disconnect is happening about not having enough parking
    ▪ Maybe what’s necessary is to have a 15 minute presentation on energy implications and how WildCAP fits in
    ▪ Visa versa to have TPC concerns about parking presented
    ▪ ETF Chair comes to TPC and visa versa
  o Student body president focused on a few measures, on TPC
    o Fire Station (proposed) and Rec Center, have big parking implications
  o Whatever’s happening will, in theory, accelerate, adding more beds next year
  o What can be done for faculty/staff to ride the bus
    ▪ Better park and ride spots like Portsmouth and Rochester lines have
    ▪ Need to articulate to TPC that there’s not much more that can be done by UNH to bring these numbers down, need to have more faculty/staff commuting on wildcat transit go up
  o Overview of the philosophy or the basis for calculation would be appropriate upfront because what will follow is that scope three is a challenge
    ▪ Executive summary that calls out the changing nature of variables, and the ways we have to adjust for those changes
• Question on air travel
  o What are the guidelines
    o One stop flights are 2x the co2 versus a nonstop flight
      ▪ Tradeoffs for prices, but could reduce a lot of emissions
  o Can buy offsets on any airline now, perhaps that is something that gets mixed in
    ▪ Offsets for all the air miles would be more than off sets for all the electricity on campus
    ▪ Could be a policy consideration
  o Air miles data is crude at best but is what we have for now.
  o Only have 2yrs worth of data, we can begin to see where that trend goes.
  o Have we ever considered any kind of incentives around travel issues?
    ▪ Medical/insurance realm is a good example
- Get break on car insurance because of buying a T pass (Boston)
- Tried to give free passes – 20 days of parking if you don't buy a pass
- Still an issue of the union contracted parking pass price
  - If we reframe it as part of WildCAP commitment, maybe some pressure can be put on for some innovation on Dick Cannon’s level.
  - Are other mechanisms, ways to tax colleges for travel
    - If endorsed by the administration, and if there’s an emphasis on this area
      - Identify the two of three high focus areas
    - Have to get into summary the big picture trends
      - Students moving back into Durham, fewer eligible for/buying commuter permits
      - Care ownership rates nationally, wildcat transit trends,
    - Commuter student parking permits
      - Last ten years down 40%
  - Parking permits
    - Have tried multiple models
    - Transit is much more predictable/reliable
    - Climate Counts perspective of incentives
      - Are employees incentives tied to emissions performance and cost savings?
      - Need something that puts things in their pocket, typically won’t do it for the good of the planet

REC Sales
- Not really mentioned much in the draft but factored into the emissions report
- Are we going to cease the sales, continue
- Should it be discussed in this report?
- Economic pressure to continue selling REC’s is overwhelming
  - Another five years until we can pay off the debt
  - We can have some offset the cost of projects and some to help us meet our targets
  - Still other stuff we can look at doing on the energy side and maybe get funding from the sales of REC’s to look at larger projects.
  - What’s in report for inventory summary is good now, would keep it.
- Getting very good revenue from sales, making the project viable despite the total volume decline from pipeline
- Continuing to divert organics to steam plant
- REC’s driven by legislation and if legislation changes, who knows what markets could do

WALRUS
- Land Use
  - Kept in there mostly to keep the acronym accurate
  - Discussion on what land holdings can be counted
  - Counting forested lands
- ACUPCC has said they cannot be counted unless they’ve been prevented from being developed.
- If they’re going to be dormant lands for foreseeable future anyway, cannot claim any more benefit to carbon footprint
- Would have to get conservation easements/other commitments to say we’re not going to touch them long-term
  - Good idea for MB and Lou to come to next Eco Task Force and discuss the land use issue

**Adaptation**

- Need help with recommended actions, implementation and evaluation
- Example that Paul gave will be one: A/C in buildings/shutting down buildings on nights/weekends
- Buildings in 1990 that were A/C versus now.
  - A/C everywhere now
  - Comparison
- Is telecommuting impacting anything?
  - Is in Matt’s section
  - Policy about meetings to reduce air travel: availability of Goto Meeting type portals
  - New policy requires a form to be signed by supervisor
    - Can we get those numbers?
- Is there a measurable number of hours/days that students aren’t coming to campus with distance learning classes?
  - At the same time, pushing more activity on campus in the summer months and J-term
- Has anyone looked at the impact of severe weather on things like cancelling classes?
  - Need to start tracking data on these things, heat advisories,
- Is there a metric to figure out if Student X is coming to campus less days/week now than they were five years ago?
- Looked at what did other Universities do for Sandy and Irene?
- If we’re projecting longer/hotter/drier summers
  - South facing tree planting, window shelves
  - Those will be adaptation for people in building but mitigation as well on energy demand reduction
- Also add all the work around long-term water supply
  - Things that UNH did lead to what has happened

**WildCAP next steps**

**Going forward**

- End of October deadline
- Template to give everyone to use the same system – Lou sending
- Look at health services what’s going on with Lyme Disease and other types of diseases in campus population
TPC/ETF

Next meeting of TPC
- Exec Meeting is Nov 26
- Next meeting is Dec 3rd
  - Come in with a solid 15 minute overview
  - Need someone from ETF to come (Paul)
  - Could have Paul join at TPC executive meeting

Other items

Tweeting discomfort
- Addressed an issue in PCC for a classroom
- Issue was that it still needed A/C because it was warm
  - Happened to work out because Matt saw the email and was there
  - No one called the call center, worked because Tat Fu happened to see it and Matt happened to see email at the right time.