11/13/2015

* Why we generate steam and electricity on campus?
  + Compared to purchasing electricity and having building specific heating
    - Able to achieve lower operating and maintenance costs
    - Allows for better reliability
    - Can-cogenerate electricity w/ steam for a lower price
      * Downside: cost to expand system is high
* Renewable Energy Options for Campus
  + Solar
    - Tax credit of 30% until end of 2016
      * Drops to 10% after 2016
    - Could a new farm be built?
      * Planning process at university level can take a long time
      * Might be faster to modify existing contract if possible
      * New/expanded farm would need to tie into distribution system easily
      * Would have to relocate research fields for the land
  + Biomass
    - Anaerobic digestion
      * Study done by campus waste
    - Corn Stover
      * Possible in theory to remove portion of stover from fields w/o reducing productivity of crop
        + Has benefits for pest/disease control
      * Burning stover leads to heavy buildup from combustion
      * Corrosive to boilers
  + Nuclear PPA
    - Could help keep Clinton power plant alive
    - Campus energy consumption is small compared to plant size
    - Might have to buy electricity at above-market rate