With the new budget model, we need to be better managers of our expenses.

One main thing for Allen is land – be an asset, and maybe even make more money

A lot of sheds on campus that ACES manages – prime locations for solar – not new footprint – may increase the usefulness of those areas.

Also areas of the farm that are unproductive – holding space, we mow around them, and they could be useful for power – with iCAP goals

1- Researchers including solar in field designs

2-moot point on who owns the RECs – on my farm to manage and maintain – could sell to another department to help pay for the install

Price for installing on energy farm – room of admin building – huge upfront expense – collecting the power would not pay for itself

Price from harvest – Kristine – procurement rules add frustration – has to be an approved provider – may not have any of them approved yet… need to get them approved

Idea garden – getting the panels from springfield electric – an approved vendor – and then we are doing the work at F&S ourselves – educational project for our shops to learn how to install these things – sent one of the electricians to solar school because we are trying to go that way.

Show case as possible to farmers – see more off campus – overarching goal... tell farmers how great they are… essentially no maintenance – tons of roof space around ACES – hide lagoons – to help make a difference to the total energy and think about how to do that…

54 acres for solar farm 2.0 – I have about 100 acres in building space taken up in different buildings – campus might have – institution looking to the future – masters of energy systems students and Sushanth

Also, in the ACES school – let farmers see and there is also a good business school within ACES – can we package some solar installations as research and get them installed…. Research procurement rules are different…

Get vendors approved…three vendors 🡪 how to get more approved, require 3 bids

Have to do an RFP anyway – over $100k. so many specialty buildings – even just greenhouses and pole buildings – want to get specialty vendors with good knowledge.

To do an RFP for solar – could we do a design build project for a solar array on south farms? JOC? Not so good…

Revolving loan fund? Imagine they get the energy savings and RECs? Pay off the loan? Pay with the RECs… is there a system in place to start looking at that…

Google earth – would it be possible… test around fencing and pastures – impacts on livestock… shade source. Multifunctional land – double dip – not just crops – new ideas…

Deferred maintenance – most ACES buildings are not on campus’ budget

NEXT STEPS:

Morgan to talk to Masters in Energy Systems leaders and ABE leaders – students interested in pursuing this.

Also bring it up as an option for including as an objective in iCAP 2020.

How to get sustainable ag?

By partnering with ACES with land resources – start to see that draw-down.

Allen getting a proposal from Harvest Energy – how does energy savings work for solar on campus and how could RECs play a roll?