1. Yield Variation (what data to use? Soils, APSIM) Feedstock – prairie, cc, cash crop
2. Cost breakdown and break-even prices (breakdown = farmer perspective). Role of production
   1. Establish to farm gate
   2. Establish to beyond farm gate
3. Breakeven prices per ton of biomass

Land rent is opportunity costs (spatially explicit) and ignoring some of the farm production side of things

Modeling movement of NO3-N in field runoff and tile drainage; estimated N inputs based on cropping system; estimate N use by crops; estimated NO3-N that could be lost via tile and runoff.

Long-range vision questions:

* Other pathways? Does digestate change this? How does it move through the landscape?

Call a Meeting Questions for a meeting of the minds:

* Who is updating on an annual basis? Is this a streamlined process?
* Is tile drainage included in FiNRT? How is this partitioned in the model? – how are base NO3-N values estimated?
* What is the status of other state productivity indices? What would it take to expand this? NCCPI
* Next direction of FiNRT (specialize vs. expansion)
  + Specialize vs. expansion
  + Focus groups, workshops, trainings
  + Phosphorus
  + Sediment
  + More guidance documents
  + Compiling case studies / demonstrations
* MLRA – best methods?
* SARE (due date?), Iowa Nutrient Research, Iowa Water Center grants

**Chapters**

0 – G2G Scholars Lit Review

1 (case study examples) – 2: for scenario development (APSIM integration could be the second paper; Richard, Matt N.)

3: DSS, FiNRT advancement, ground truthing, manure capability

4: Monetize wetland benefits – meta-analysis and benefit transfer tool (allows us to do benefit cost analysis). ACPF wetland delineations and accuracy (MO NRCS groundthruthing data is this published?), 15 years ago there was a study done to look at non-monetary value of wetlands. MS BMP finder tool might be a good thing to pull from. Faribault County SWCD 🡪 Redetermination of Benefits / flooding