# EGen SWATeam

# Meeting Agenda

## May 4, 2018

## 1:00-2:00 pm Location NSRL 358

**Type of Meeting:** Monthly Meeting

**Meeting Facilitator:** Mike Larson

**Invitees:** Xinlei Wang, Yu-Feng Forrest Lin, Christopher Hillebrand, George Gross, Ximing Cai, Krish Saxena, Morgan White

**Present:** Andrew Stumpf, Scott Willenbrock, Tim Mies, Carol Lin (clerk)

1. **Call to order**
2. **Approval of minutes from last meeting**
3. **Open issues**

Solar/Wind PPA presentation by Scott Willenbrock

* iCap Objectives (FY2025)
  + On-campus solar energy production
    - 25,000 MWh/yr
    - Currently 7,800 MWh/yr from Solar Farm
    - Solar Farm 2.0 will get us the rest of the way there
  + Purchase off-campus clean energy
    - 140,000 MWh/yr
    - Currently 25,000 from Wind Farm
    - Need another 115,000 MWh/yr
* University Solar Farms
  + Second place in terms of on-campus solar farms
  + With Solar Farm 2.0, should be close to first place or overtake first place
* Wind vs. Solar
  + Wind mostly blows in winter, but demand for electricity is greater in summer.
  + Solar matches our demand better than wind
  + Solar offsets more expensive electricity than wind does
* Illinois Solar
  + Project in Sidney is 12 miles away for 150 MW
  + Other projects are being developed in Illinois, but there’s not much information on them
    - There are at least 2 utility scale projects in Illinois in the near future
  + They’re all looking for power purchase agreements
  + Illinois is an attractive off-taker to financers
* Sidney Project
  + Why Sidney? There’s a big substation on their east side of town that is interconnected to Ameren grid
  + Sidney developer gave indicative pricing for a 20 year power purchasing agreement with 2 choices at set prices (4 options if you consider the annual escalator)
    - energy only (RECs will be sold to state)
    - energy and project RECs
      * RECs are 15 years
      * Andrew wonders if REC is based on how much energy you buy/generate. REC is priced per MWh says Scott. It’s more like a subsidy on the cost of electricity.
      * Mike wonders if state is subsidizing this. He thinks it might be a good idea to buy energy with the project RECs and sell the RECs for a profit, as they are probably worth more than the $5 they are being purchased for.
  + Mike wonders if there is pricing for a 10 year plan. Scott says he will ask and let the team know. He only asked for 15, 20, and 25 year plans.
  + The team discussed the concern with knowingly buying more power than needed and having to sell the excess at an unknown price. This is the reason why the wind farm is the size it is.
* Recommendation
  + Issue an RFP for solar PPA with a local solar developer
  + Mike will type up a recommendation and forward it for the signatures before the working group meeting.

1. **New business**
2. Other
3. **Adjournment**

Have a great summer, everyone!