**1/30 Meeting Notes:**

* Focus on just the high compression screw for creating filament from PET pellets instead of just the regrind
* Have the specs for designing the conical barrel and rest of the device done along with a granulator, except have future groups work on this instead
  + Not enough money/time to finish the conical feed section, just have the specs for it
* Wondry is holding a “Green a thon”, there is money associated with it, groups of 3 can apply
  + We could use prize money or money from this to fund buying a granulator for the bottles
* Find a source of regrind to purchase as either flakes or pellets, that way it is more consistent and easy to process for extruder testing
  + Still use recycled plastic for DSC testing/demonstration, but it will be easier to start with a nice flake that we purchase
  + Use the small EX2 extruder to create pellets from PET regrind flake, use those pellets with our custom extruder
* Try a bottle peeler for the soda bottles to create long ribbons of plastic from the bottles and then those ribbons can be processed to create pellets with the EX2
* EX6 screw should be the model for the parameters of the screw size, approximately that
* Smoothbore seamless stainless steel tubing for the barrel
  + Look at McMasterCarr for the barrel, model the screw parameters off of the EX6 extruder, and figure out what barrel needed
* Take time to disassemble the EX2 extruder, see how the barrel is mounted to the motor with the flanged end plate, and see how the die is attached
* Model the system with a 3 mm diameter die