Potential program structure, post-workshop

**Goal:** net-zero carbon electricity system @ low system LCOE

**Phase I (~15 months):**
Design new innovative processes, build evaluation tools

- **Category 1:** NGCC retrofits
- **Category 2:** New builds—NG fuel in, low-carbon electrons out

Separate, parallel effort: enhance capacity expansion models with CCS, DAC capabilities to understand grid impact

End of Phase I evaluation: engineering design review, economic evaluation, review of cost sensitivities, technical uncertainties

**Phase II (~3 yr):**
Bench-scale hardware development

- Build new components, unit ops, and processes; refine optimization and system modeling
Next steps

- Please continue to send us feedback

- We will be updating the workshop web page with content

- We will be using your input to form a pitch to ARPA-E

- Keep an eye on ARPA-E eXCHANGE: https://arpa-e-foa.energy.gov/

- Often, ARPA-E will release a Teaming Partner List in anticipation of a FOA

- IF a FOA is released, the only communications you have are with the Contracting Officer