Working Group 6: Beyond-Carbon

Objectives:

1) Add/integrate an additional lens to carbon-related technology solution assessments by incorporating beyond-carbon impacts

2) Identify cross-cutting beyond-carbon themes for enhancing impact of carbon mitigation solutions

3) Establish a network of beyond-carbon experts and key stakeholders in order to promote engagement with the Georgia Drawdown Project
Carbon Solutions with Consideration for Beyond-Carbon Impacts

**Beyond-Carbon Lenses**

**Environment**
- Air quality
- Water quality, quantity, and access
- Land use
- Ecosystems/biodiversity
- Material disposability

**Equity**
- Affordability
- Diversity of Economic Development & Jobs
- Distribution of Public Health Impacts
- Accessibility of Solutions
- Cultural Fit & Way of Life

**Economic Development & Jobs**
- Local Economy & Employment
- Input Prices
- Workforce composition
- Wages and benefits
- Property values/Tax Base
- Infrastructure requirements

**Public Health**
- Premature Mortality
- Morbidity
- Quality of Life
- Education
- Public Safety
## Preliminary Beyond-Carbon Impact Assessment Example

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<th>Environment</th>
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<th>Economic Development &amp; Jobs</th>
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### Legend:
- **Green Bold**: Positive
- **Orange Underline**: Potentially Adverse
- **Red Italics**: Adverse
### Stakeholder Engagement

**Expert Survey Respondents:**
- American Rivers and Chattahoochee River Keepers—Water security and resilience
- Southface—Energy/Electricity, Built Environment
- 350atl.org—Climate Change
- Red Cross—Disaster response/community resilience
- EPA/Solid Waste Management Program—Environment, Energy/Electricity
- CDC—Public Health
- Greenlink — Clean energy technology / consulting

**Expert Survey Results:**

**Suggestions for cross-cutting themes:**
- Adjust current curriculum to promote STEAM education
- Implement new incentive mechanisms to promote professionals (particularly women) to work towards carbon reduction goals

**Expert Meetings:**
- Partnership for Southern Equity
- Southface
- The Greenlink Group
- Advisory on Public Health

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**Equity & Inclusiveness**

*(examples)*

- Women in leadership roles
- Inclusive STEAM education
- Low income / energy burdened customers
- Other equity improvements that also advance carbon reduction

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[www.GeorgiaDrawdown.org](http://www.GeorgiaDrawdown.org)
Conduct increasingly in-depth beyond-carbon impact assessments across four dimensions for individual solutions.

Identify cross-cutting themes with potential to leverage carbon & beyond-carbon benefits.

Integrate beyond-carbon considerations & develop recommendations for enhancing solution impacts.