Resilience and Sustainability Advisory Committee

September 01, 2026

CHARLESTON COUNTY
SOUTH CAROLINA
Resilience and Sustainability

Agenda

- Presentations
  - Resilience Key Performance Indicators & Metrics (Stephen Julka, Fernleaf)
- Resilience Remarks:
  - AccelAdapt Rollout & Training Debrief
  - Inter-Jurisdictional Alignment Through Resilience Collaborative
  - R&S Strategic Direction
- Sustainability Remarks:
  - EECBG Weatherization/Energy Audit project update - community impact.
  - New Electric Chargers
  - Compost
  - County Clothing Swap
- Outreach events
- Adjourn

Resilience Metrics

Stephen Julka, CFM | Fernleaf

Resilience Remarks

Molly Caggiano, AICP | Resilience & Sustainability Manager



AccelAdapt Rollout & Training

- Trainings were held on June 23 and July 23, 2026.
- Expanding the platform regionally.
  - *"…it currently only includes Charleston County…Despite this limitation, the workshops were really helpful for us, and I hope have provided some momentum to look at this on a regional level, which would then include both Dorchester and Berkeley Counties."*
- Practitioners in housing development view AccelAdapt as a valuable early-stage decision-support tool, emphasizing its utility in risk screening and strategic planning.
  - Proactive site screening
  - Strategic Preservation
  - Comprehensive Planning Alignment
  - Parcel-level Resilience Reports

Inter-Jurisdictional Alignment

- Shared Risk Baselines
- Plan Integration & Policy Alignment
- Grant Competitiveness
- Collaborative Governance



BCDCOG Regional Planners Forum
August 21, 2026

Charleston Resilience Collaborative

Strategic Milestones 2026

Feb 2026

Resilience Accelerator Workshop
Assembled regional cohorts and diagnosed friction points across jurisdictions.

May 2026

Charleston Resilience Collaborative
Assembled regional cohorts and reviewed takeaways from the Accelerator and Next Steps.

June 2026

AccelAdapt Training
System training, platform rollouts, and database onboarding. Begin KPI development.

Sept 2026

Briefing Strategy
Brief RSAC on regional resilience KPIs. Finalize engagement strategy for briefing elected officials to front-load trade-off decisions before plan finalization.

Dec 2026

Platform Launch
Apply unified KPIs, public transparency dashboards, and private-sector partnerships.

Mission & Vision

- **Mission:** To advance Charleston County's resilience and sustainability by proactively **mitigating** impacts from changing environmental conditions, empowering our community to **adapt**, and **recover** swiftly from impacts.

- **Vision:** A safe, thriving, and climate-ready Charleston County where resilient infrastructure, healthy ecosystems, clean energy, and empowered communities ensure seamless adaptation and swift recovery for generations to come.



Core Values



Proactive Stewardship: Anticipating and adapting to risks—including sea level rise, flooding, and extreme heat, and environmental remediation—by making data-informed, forward-looking investments in built and natural infrastructure before disasters strike.



Energy Access & Reliability: Prioritizing resources, energy access and efficiency for vulnerable neighborhoods and historically underserved communities across the county.

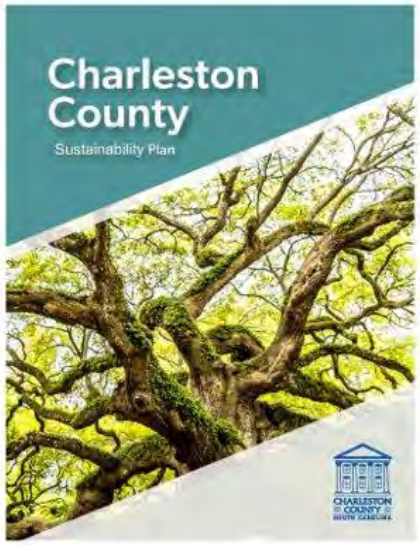


Collaborative Leadership: Building strong partnerships with local municipalities, regional agencies, non-profits, and community members to drive unified resilience and sustainability strategies.



Integrity & Transparency: Grounding policy decisions in clear data, open communication, and measurable public accountability.





How does this align with the mission, vision, and values set forth in the Sustainability Plan and Multi-Hazard Risk & Vulnerability Assessment?

Sustainability Remarks

Aly Petruch | Sustainability Coordinator

Sustainability

- Sustainability plan Update
  - GHG Inventory for 2025
  - Updated Implementation Strategies

- Sustainability Presentations
  - Chamber of Commerce
  - Mt. Pleasant Green Commission
  - City of Charleston RSAC

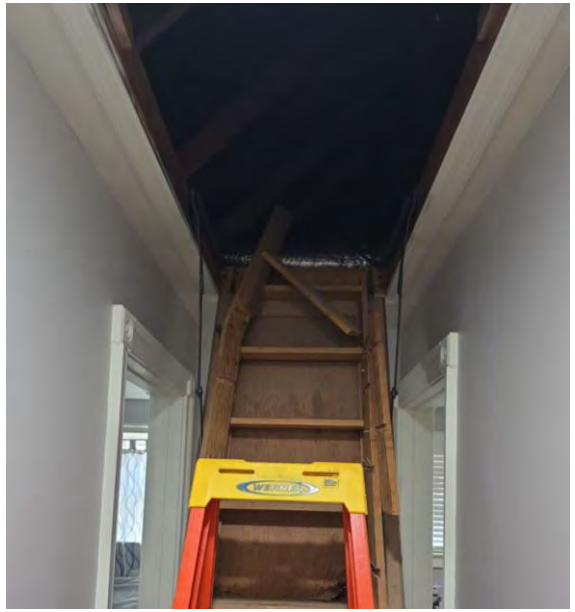
- 4 Azalea Chargers (Internal)
- 4 Teddie Pryor Building (Public)
  - Finalizing installation

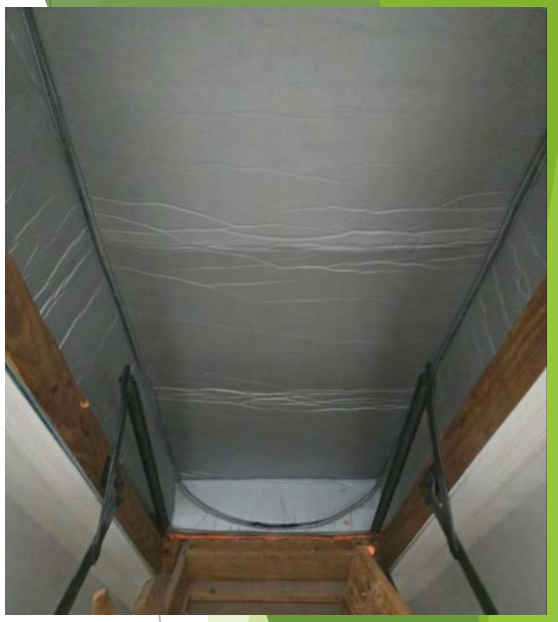




Results over 8 homes

- Total $4,428 annual savings
  - Lowest $287
  - Highest $1,211
- 9 metric tons of CO2e reduction annually
- Gas leaks fixed due to improper appliance connection





Installed Attic Tent





Original duct work caused 8% of energy leakage prior to sealing

Compost Updates

- How to use the new lock
  - To unlock: Enter the combination so that the numbers align with the center mark on the bottom of the lock. Then push the shackle down into the lock, and it will pop open.
  - To lock: The lock will only engage when the combination is not set to 2022. The shackle will not engage while the unlock combination remains in place

- How to video
- PDF Lock Guide



County Employee Clothing Swap

- 673.21lbs of clothing were donated
- 93.26lbs were donated to local nonprofits
- 554.09lbs of clothing were redistributed to new homes
- 162 County staff participated over two days





Upcoming Events

- Tabling at West Ashley Farmers Market
  - September 16th
  - September 30th
  - October 14th
- Resilience 101 at IOP - September 10, 2026
- Compost Workshop
  - IOP Friday Sep 18th- noon
  - CofC Wednesday Oct (TBD)
  - Folly Beach Civic Club Tuesday Oct 20th- 7pm
- Disaster Recovery Workshop - September 29, 2026
- October 10th - Repair Café
  - 2pm Bees Ferry West Ashely Library
- Native Plant Walk - Sunday, October 18th

Next RSAC Meeting - October 20, 2026

- Agenda Items:
  - SSG Review of Sustainability Plan Strategies
    - Action Needed: RSAC to consider sending Sustainability Plan updates to County Council for consideration.
  - Review of resilience metrics/KPIs

Public Comment