

Buildings UP

Tycoma Miller, Dr. Aimy Steele, Dr. Rebecca Meriwether, Lily Smith

An Introduction to the Buildings Upgrade Prize



SOUTHEAST ENERGY SUMMIT

■ A Model Building Upgrades Program: In The Model City of the New South

WEST ANNISTON

FOUNDATION

Tycoma Miller, MPH
Director of Outreach
West Anniston Foundation
Anniston, AL

Who is the West Anniston Foundation?

Mission

To provide health, educational, and developmental resources that will create a sustainable community.







Vision

The West Anniston Foundation is recognized as the pre-eminent and **most trusted community revitalization** organization in the region.



Overview of West Anniston Building Upgrades

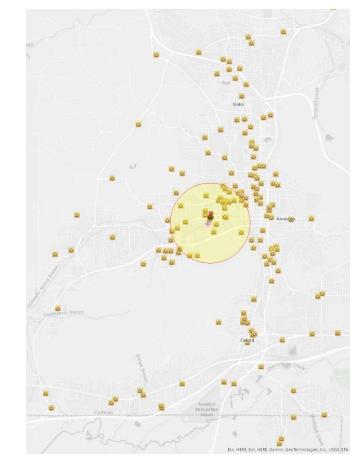
West Anniston Building Upgrades builds upon our Healthy Homes Initiative and integrating Houses of Worship

- Goal: Provide interventions addressing health and safety issues in up to 50 homes, addressing excess cold, excess heat, structural collapse, and falling elements
- Additionally, at least 100 homes will receive healthy home assessments/energy audits, access to small interventions, and additional housing resources through Community Health Workers (CHWs).



Overview of West Anniston Building Upgrades

- House of Worships/Faith-Based Sector
- There are over **40+ houses of worship** within a five-mile radius of our location.
- These organization are mission-driven and the heart of the community & money saved can be reinvested into the community.
- Encourage members to take part in building upgrades.



EPA EJ SCREEN

Successes with West Anniston Building Upgrades (WABU)

- Close to 90% of single-family housing identified for potential upgrades (130 out of 150)
- Community Engagement with Houses of Worship tells us this is a program that they are interested in.
- Interest from Collaboration with Mitsubishi Trane to help train our community for the HVAC workforce
- Signed MOA agreement with SELF (Solar Energy Loan Financing)



Barriers with West Anniston Building Upgrades (WABU)

- Scaling vs. Equity- identified health & safety issues that will likely force us to open the pilot outside of our target area.
- Financing- the equity pathway requires up to 75% of the costs to be covered for building upgrades
- Risks-over 1/3 of Anniston single-family housing is renter & investor owned



Opportunities for Partnerships

- Healthcare Sector-CHWs are trusted members of the community and can serve to help with the adoption of clean energy technology. CHWs help document non-energy benefits that can serve as case studies for the healthcare industry.
- Philanthropic Organizations/CDFIs- collective support from philanthropic organizations can help reduce the administrative burden that comes with federal financing. Flexibility in braiding and stacking funding.
- Innovative Workforce Development- cooperatives, building contractor capacity, workforce training through multiple pathways of certifications (NCCER, BPI, LEED, OSHA).

Vision for H.E.R. Future (Intersection of Health, Energy Equity & Restorative Justice)

Understand value in the **non-energy benefits** gained by implementing building upgrades in housing.

Energy Equity-

Reduce the # of households' energy burdened/house burdened.

Restorative Justice-

West Anniston community is **revitalized** and is at the forefront of the clean-energy sector movement for the Southeast building sector.



Special Thanks our Supporters

- R2E2
- Thriving Earth Exchange
- SELF Lending
- SEEA
- Home Repair Coalition, National Healthy Homes Coalition
- PowerUp/CRL Resources, Healthy Homes Coalition of West Anniston, PearSuite, The Capacity Collaborative, The Daniel Foundation of Alabama



Contact Information

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Healthy, Sustainable & Resilient Buildings Program



BuildingsUp NOLA

Dr. Rebecca Meriwether

"How can you work with us to get this done?"















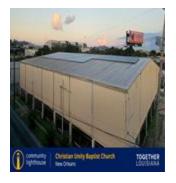






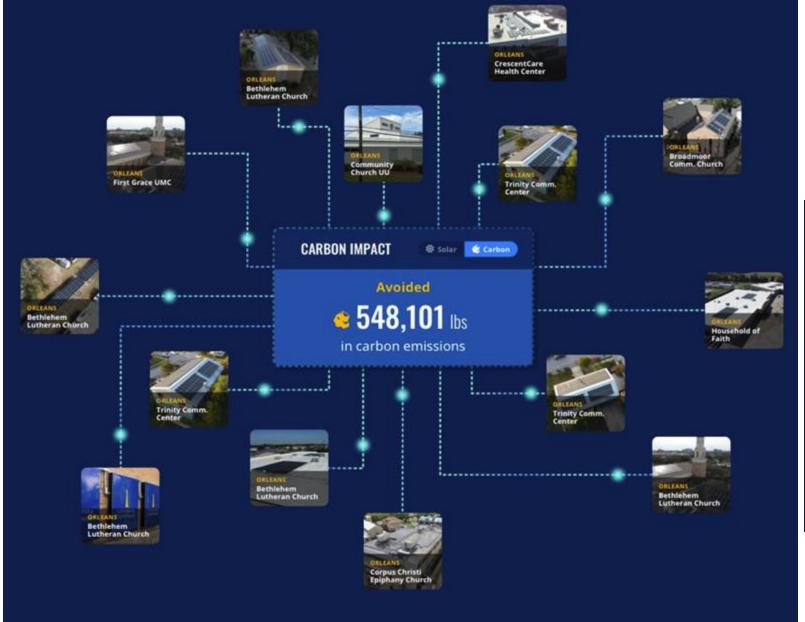


















Ribbon cutting at seventh Community Lighthouse with Together LA leaders & US Energy Secretary Jennifer Granholm (November 2023)

SINCE 1837 —

The Times-Picayune

THE NEW ORLEANS ADVOCATE

NOLA.COM FRIDAY, SEPTEMBER 15, 2023

Pope Francis gives thumbs-up to movement

Together Louisiana leaders tout Community Lighthouse program

BY DREW BROACH

Staff writer

Two leaders of the Together other community centers. Louisiana movement for social the Vatican on Thursday.

to tout the nonprofit's Commu- said after the meeting. nity Lighthouse program installing solar panels on churches and

"He gave us a big thumbs-up," change met with Pope Francis at Sister Alicia Costa, superior of the Sisters of the Holy Family They used a 75-minute meeting congregation in New Orleans,

"Literally," laughed Together Louisiana organizer Broderick

Costa and Bagert joined 13 other people from affiliated U.S. organizations in a private meeting with Francis, to share examples

of how they are equipping families and communities to influence public decisions. It was their second such meeting with the pontiff, after one last year.

Representatives of the other organizations, also members of the West Southwest Industrial

➤ See POPE, page 2B



Photo from West Southwest Industrial Areas Foundation

Pope Francis smiles with Together New Orleans leaders Broderick Bagert and Sister Alicia Costa at their meeting in Vatican City on Thursday, Sept. 14, 2023.

9 Community Lighthouses opened in New Orleans after Hurricane Francine.







Community Lighthouse in Action





Healthy, Sustainable & Resilient Buildi







HVAC +/- Hot Water



Weatherization

Increased Energy Savings

More Resilience Hub Solar-Powered

Hours

Image by macrovector_official on Freepik

Expert & Grassroots Collaboration
Creative Funding Solutions to Lower
Upfront & Total Costs

Design+Implement Replicable, Scalable Model

Test & Refine In Core Team Bldgs Workforce Development Collaboration



Community Engagement



- Organizing approach:
 - Reports to membership meetings
 - One-on-ones with congregational & WF leaders
 - Congregational Readiness
 - On-site for Level 1 Audits
 - Plan consultation with Audit Report
 - Ombudsperson for Congregations & Well-Paying Jobs





- Houses of Worship in CLH Project
 - Level 1 Energy Audits-13/16 sites
 - Level 2 / 3 Energy Audits-2 Sites
 - Tech Demos-2-4 Sites
 - Pilot: 4 Sites
 - Full Implementation: 100 sites



community lighthouse

Large Houses of Worship in CLH Project

- Level 1 Energy Audits: Better Assessment to augment/ replace ESPM benchmarking
- Level 2 / 3 Energy Audits-2 Sites
 - Design-build firm?
 - Discipline-specific assessments? Union role?
- Tech Demos-2 Sites-HPs
 - Split Systems, Mini-Splits, RTUs
- Pilot: 2 Sites
- Full Implementation: 10 sites



Community Benefits & Workforce Development



- Healthier, more sustainable & resilient Houses of Worship
 - CLH Batteries last longer
 - More money & time for mission
- Pipeline of good well-paying jobs
 - Workforce Readiness Training
 - Certification/Pre-Apprenticeship Programs
 - Union Apprenticeship Programs
- Contractor Selection
 - Preference for union, well paying jobs, diversity
 - Apprentice requirement

What we've Learned



- Congregations have limited resources
 - Building-poor
 - Complex systems that have evolved over time
 - Fix things when they break
 - Get 2-3 quotes & chose the lowest
- Most contractors quote replacement of same type of technology
 - Vs improved EE options or modifications
- No long-term plan for a healthier, more sustainable & resilient building



What We've Learned



- Most Houses of Worship Turn Off Lights & HVAC
 - Poor Indoor Air Quality: Humidity, Molds, Mildews
 - Limited ability to reduce energy use thru EE Upgrades
 - Large potential to improve indoor air quality thru upgrades
 - While limiting increased energy use
- Opportunity to Mitigate increased use thru solar
- Built NPs Grant: Offering a specific amount of funds can be the mother of invention



Challenges

community lighthouse

- Congregational Decision-making
- Donut hole of Building Audit & Expert Capacity
- BuildingsUp Expectations Complex & Tuned to Residential Needs
- Fewer Resources for Commercial Buildings, especially Non-Profits
- Financing challenges:
 - O 75% covered
 - O 179D Tax Credits
 - O Incentives
 - O Grants
 - Limited Energy Efficiency Supports for Commercial & Non-profit Buildings
- IRA repeal?



Evolving Concept & Strategy



- Refocus on large houses of worship for BU Prize
 - Simplify Tech demo requirements
 - O Full implementation: ~10 buildings
- TNO Healthy, Sustainable & Resilient Buildings Program
- Continue to work with small houses of worship
 - Scaling up from BuildingsUp project





November 20-22, 2024 Southeast Energy Summit 2024

Missions



NNCP (C3) Mission:

NNCP exists to lift Black and Brown people. We work to help communities of color claim their power through civic engagement. #TrueMajority

NNCPAF (C4) Mission:

We make North Carolina politics reflect the true majority by centering & investing in communities of color, expanding the engaged electorate, and creating #lifelongvoters.

Dr. Aimy Steele Bio







Aimy is the visionary leader spearheading <u>New North Carolina Project</u> and its action arm, <u>New North Carolina Project Action First</u>. As CEO, she drives a dynamic agenda aimed at empowering communities across North Carolina through enhanced voter engagement and access. Since its inception in 2021, Aimy has orchestrated a groundbreaking statewide field program, ensuring that the voice of every North Carolinian resonates in the halls of power.

Recognizing the diverse tapestry of North Carolina, Aimy's leadership has propelled the organizations to new heights. In 2023, guided by extensive community feedback, they pivoted to prioritize four foundational pillars: Economic Mobility, Housing Security, Public Safety, and Civic Engagement. Aimy's unwavering belief is that true engagement stems from addressing the core needs of the people.

With over a decade of experience as an educator and school principal, Aimy seamlessly merges her passion for education and leadership. Her bid for the North Carolina House of Representatives in both 2018 and 2020 showcased her commitment to serving her constituents. Despite narrow margins of defeat, Aimy remains undeterred, channeling her efforts into preventing future critical losses.

Aimy's journey exemplifies the transformative power of leadership fueled by unwavering dedication and a profound commitment to the betterment of society.

WPROOTING SYSTEMIC RACISM & REPLACING IT WITH PROGRESS OUR 4 PILLARS



ECONOMIC MOBILITY

Establishing Equity & Generational Wealth Building



PUBLIC SAFETY

Promoting Solutions to Achieve Justice in Community & Governance



HOUSING SECURITY

Cultivating Sustainable Housing and Breaking Environmental & Energy Barriers



CIVIC ENGAGEMENT

Ensuring Access to the Ballot through Early & Election Day Voting

4 Pillars of Work







Doors Knocked



Phone Calls



Texts



Events



Canvassers,
Staff &
Consultants

13

ARK Family Night / Pancakes & Politics

10

Homes to Serve with Energy Upgrades

(Some) Past Events



Supporting Women Entrer



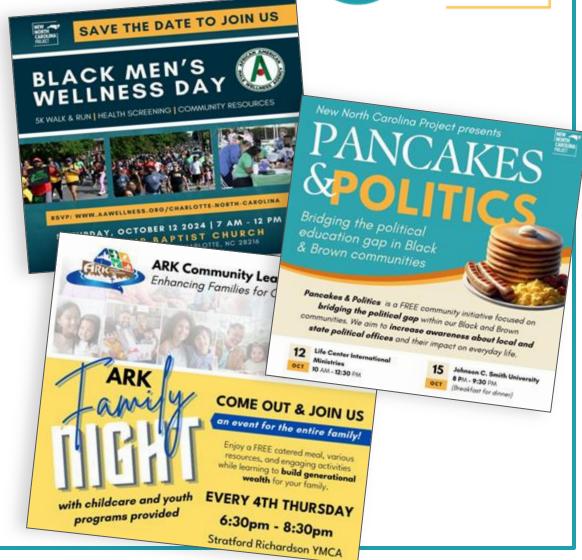


Fall Events

- Julius Chamber High School Assembly
 October 10th | Julius Chamber High School
- Black Men's Wellness Day
 October 12th | Friendship Baptist Church
- JCSU Homecoming Edition:
 Pancakes & Politics
 October 15th | JCSU Campus
- Breast Cancer Awareness Event
 October 23rd | Mt. Zion Missionary Baptist Church
- ARK Family Night
 October 24th | Stratford Richardson YMCA
 December 19th | Stratford Richardson YMCA



















Social Media



SEPT 24 | Absentee ballots began mailing ou

OCT 11 | Voter registration deadline (SPM)

OCT 17 | In-person voting begins

OCT 29 | Absentee ballot reques

NOV 2 | In-person ear

General Election Absentee ballot

CONTR

Over

people died due to not expanding Medica



SIAL HB10 BIL

NORTH CAROLINA'S

THE HILL NORTH CAROLINA REMOVES 747,000 FROM VOTER ROLLS

CHECK YOUR REGISTRATION NOW! - bit.lv/h-



CAROLINA **PROJECT**



NOT VOTING IS NOT

PROTESTING

IT IS

PURRENDERING



BLACK BOYS AND MEN:



comprise more than half of



* * on the * *

COMMISSIONER OF LABOR





NNCP CEO AIMY STEELE FEATURED IN CAROLINA PUBLIC PRESS a grocery store down the street or a grocery store 20 miles away. a gracery store down the street or a gracery arone 20 mines down to then they'll take that vote a little differently or more seriously than if they felt like voting just doesn't matter, and overall it's only going to be

LUKE FARLEY

o tell size voting just doesn't matter, and overall it's only going to important for the president, - Dr. Almy Steele | NNCP CEO

CAROLINA



COMMISSIONER OF *

INSURANCE

NORTH CAROLINA IS ONE OF THE

In the Media











What we do?



Become a Community Ambassador





Phase 2: Pilot Initiative Implementation Plan Pitch Deck

Presented by: New North Carolina Project Power Moves

Southeast Cohort

Pilot Initiative Snapshot



3A, 4A, 5A



Single Family Homes



Heat Pump Water Heaters, HVAC Systems (Heat Pump Air Units), Weatherization



New North Carolina Project, City Dive, Inc, SCRIBE, Young & Co, Precision Contractors Solutions, Self Help Credit Union, Stratford Richardson YMCA, Upper Room Outreach International, Westside Community Land Trust



Mecklenburg, Gaston, Catawba, Cleveland, Lincoln, Ashe, Alleghany, Surry, Wilkes, Watauga, Avery, Caldwell, Burke, McDowell, Polk, & Rutherford Counties.



North Carolina Dept of Energy Local Government Funding Awards Local Credit Union Awards Foundation Grants Prize Funding



1 Year - August 2024 - August 2025

Buildings UP Phase 2 Team

Partnered Organizations:

- New North Carolina Project
- o City Dive
- SCRIBE
- Young & Co
- Precision Contractors Solutions
- Stratford Richardson YMCA
- Self-Help Credit Union
- Upper Room Outreach International
- Westside Community Land Trust

Roles played in Phase 2:

- NNCP:
- o City Dive: Community based organization, main organizer for community outreach initiative
- YMCA: Main partner in the monthly community outreach initiative
- Self Help Credit Union: Main partner in the monthly community outreach and funding CDFI loans to source aid in retrofitting home upgrades
- Upper Room Outreach International:: Community based organization
- Westside Community Land Trust: Community organization that assists with portfolio of homes for potential upgrades

<u>List %FTEs and budget associated with each organization in Phase 2</u>

- o NNCP: 3 FTE, \$1,000,000
- o City Dive: 0.5 FTE, \$100,000
- o SCRIBE: 0.5 FTE, \$30,000
- Young & Co: 1 FTE, \$100,000
- Precision Contractors Solutions: 1 FTE, \$100,000

Pilot Initiative Required Upgrades

Building Type	Pilot Upgrades Required	Pilot Upgrades Planned
Single Family Homes	0	50 homes
Total	0	50 homes

NOTE: We utilized technology relevance reports.

Pilot Initiative Team-Defined Goals & Metrics

Goal(s)	Metric(s)
Number of upgrades completed	50 single family home upgrades
Energy bill savings for the subscribers	Lower monthly utility bills costs
Comfort and satisfaction of subscribers	The Project Case manager will conduct a questionnaire with the subscriber, to discover their idea of satisfaction with the newly installed technology and what is their expected idea of comfort in their home as a result of the newly installed technology. The following information will be collected and verified after the successful installation of the new technology: Does the new technology work in accordance with your expected standards? In terms of your standard of comfortability in your home, has the newly installed
	 technology contributed to making the environment of your home comfortable? On a scale from 1-10, please rate how pleased you are with the newly installed technology.
	Would you recommend using the newly installed technology as an energy efficient solution to a friend or family? The information gathered in this section, will assist the team in determining if the solutions being implemented are serving the expectations of the subscribers.
Energy efficiency education for the community	The Power Moves Cohort will serve as an opportunity to educate the subscribers about the project and the importance of having an energy efficient home. We also aspire to educate the larger community about Energy Efficiency solutions and Energy Justice.

Community Engagement Strategies

- ARK Family Nights are held on the 4th Thursdays of the month. Invitations and sessions are translated into Spanish for those needing it. The first one was held in March of 2024. Here we have educational workshops on a variety of topics including energy efficiencies, health and wellness, and financial literacy in conjunction with some of our partners on the ground. We hold discussions with homeowners and tenants about their general needs in their homes as well as how to maximize taking advantage of various community resources including the WAP (Weatherization Assistance Program) and various energy upgrades.
- Additionally, 6 days per week, our team of people knock doors in communities of color with a script that asks people if they have interest in receiving an energy assessment as well as telling them about our energy upgrades & WAP program offerings we will begin in the late summer. We also discuss briefly in our scripts what building upgrades will do for homes to ensure energy efficiency, and inform them of the upcoming election and the importance of voting. This combined approach helps engage the most vulnerable communities in conversations about things that matter to them while also encouraging them to take advantage of upgrades that can reduce their energy costs.
- <u>Partner sharing of information at the Stratford Richardson YMCA & Self-Help Credit Union:</u> Our partners not only share printed materials within their establishments to the communities we serve, but also to participate in our monthly outreach nights to families as they actively invite their list of constituents to the events using an RSVP link we created. This customized link helps us see which partner link receives which RSVPs and then upon check in of particiaptns, we are able to monitor attendance by partner organization.

Community Benefits & Accountability Plan

Community Benefits:

Our initiative focuses on upgrading homes serviced by local energy providers before implementing additional enhancements. By educating residents in under-resourced communities about the benefits of inhome renewable energy, we aim to provide economic sustainability solutions for their families. We prioritize ensuring equitable, accessible, and affordable renewable energy solutions for residents in identified opportunity zones as the residents told us they want the type of upgrades we are able to offer as soon as possible. Through effective energy audits, we can identify solutions to lower monthly utility bills and we discuss these with potential participants. Engaging the community with targeted programming empowers residents to find solutions that lead to long-term housing security.

Accountability:

- During ARK Family Nights, we hold a discussion time with participants after the initial whole group workshop session. This allows us to learn from the community about how they respond to the overall information shared about building upgrades and the weatherization assistance we offer. We also hear from the participants ways we can improve our outreach, offerings in general, and get referrals of other partners we should be talking to or community members who should be on the list we are actively compiling to eventually receive energy audits and assessments prior to installations.
- During door to door interactions, residents provide one on one feedback about additional needs they have within their homes, ways to get their families involved, and tell us what would make the proposed energy upgrade even more beneficial.

Stakeholder Engagement Strategies

- Collaborative Planning Meetings: Regular meetings with stakeholders, such as Housing Finance Agencies, affordable housing owners, and local community organizations, ensured that our plans were aligned with the needs of the community. 2 were held so far.
- Community-Centric Programming: Engaging residents through monthly educational programs (ARK Family Nights) about the benefits of renewable energy and energy efficiency empowered them to participate actively in the implementation process.
- Tailored Energy Audits: Conducting comprehensive energy audits in identified opportunity zones helped us to develop customized solutions tailored to each household's specific needs.
- Energy Provider Partnership: Working with Duke Energy to ensure residents are able to see their own energy usage and plan with us accordingly to reduce energy costs.

By incorporating feedback and insights from our engagement with affordable housing stakeholders into our Tech Demo and Pilot Initiative Implementation Plans, we are able to develop and implement effective energy upgrades and weatherization assistance that directly benefit the community. This collaborative approach ensures that the solutions were both practical and sustainable, leading to long-term economic and housing security for residents.

Scaling and Replicability

- Goals for scaling:
 - O How many upgrades at full-scale implementation?
 - 1,000 Homes will be upgraded at full-scale
 - O How are you scaling workforce and/or other elements of your initiative?
 - Heat Pump HVAC Units
 - Hot Water Heaters
 - Double Pane Windows
 - Winterization of Homes
 - Safety Hazard Upgrades
 - Health & Safety Upgrades
 - Other elements may include funding/financing, ongoing community engagement efforts, ongoing stakeholder engagement efforts, etc.
 - Energy Efficiency education for the community

- Goals for replication:
 - What locations or building types?
 - 1,000 Single Family Homes in Charlotte, NC, Catawba County, Cleveland County, Gaston County and Lincoln County
 - Who might be your partners for replication?
 - Duke Energy
 - State Board of Energy
 - City Dive, Inc.
 - Self Help Credit Union
 - YMCA of Greater Charlotte

Lessons Learned From Phase 2 and Recommendations for Improvement

- What worked well?
 - Consistent community engagement
 - Establishing a regular family night
 - Engaging in agreements with funding partners
 - Attending the state Energy conference
 - Connecting with the Department of Energy

- What could have gone better?
 - Scope Management
 - Knowing which partners to collaborate with and establishing clear expectations early enough
 - We did not establish a clear timeline on energy audits and how they relate to the actual energy upgrades for the community members that expect immediate engagement

Visit Our Websites





www.nncp.org



www.nncpaf.org







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We are a non-partisan, 501(c)(3) non-profit that exists to lift up Black and Brown people. We work to help communities of color reclaim their power through economic mobility, housing security, public safety and civic engagement.

We speak for the #TrueMajority.



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Thank you!

