

Green Jobs/Economic Development (June 2014-June 2015)

E4: Using in-house workers, Isles E4 provided weatherization for 175 units.

ReHEET: Using local contractors, Isles provided lead, energy and weatherization services to 23 homes during this period.

Energy Efficiency Training

- *Whole House Air Leakage Control:* This course is designed for individuals wishing to enter the energy efficiency field and individuals who are already in the field and want to enhance their air sealing and insulation skills and earn BPI (Building Performance Institute) certification. The class includes classroom and hands-on laboratory experiences each day, introducing building science with a focus on the installation of specific control measures in accessible and inaccessible areas of existing residential homes. Examples of competencies include fixing various types of air leakage pathways, and installing dense packed cellulose. The primary goal of the Whole House Air Leakage Control course is to prepare individuals to properly install air sealing and insulation in residential settings

Number of Courses: 2

Workers Trained: 5

- *Building Analyst/Envelope Professional:* This course is most appropriate for individuals who have had some entry-level experience or training in energy efficiency or who have experience in the area of construction or related fields. This course uses curriculum that is consistent with BPI performance standards. This course encompasses the entire Building Analyst curriculum and an additional day focused entirely on Envelope Professional (EP) specifics. Students will gain the knowledge, skills, and abilities to work in the residential home performance field, analyzing homes for energy efficiency and prescribing retrofit options. It includes six days of classroom and hands-on laboratory and/or training house instruction and one day of instructor-lead preparation for examinations, providing a sufficient amount of time to teach the fundamentals of building science and analysis with an emphasis on preparing for both the Building Analyst and Envelope Professional examinations. This course uses curriculum that is consistent with BPI performance standards. The course provides students with the knowledge, skills, and abilities to work in the residential home performance field, analyzing homes for energy efficiency and prescribing retrofit options. Successful completion of BPI Building Analyst and Envelope certifications provide the foundation of necessary training to allow a company to attain BPI accreditation.

Number of Courses: 5

Workers Trained: 38

Does your home need help?

If so, Isles' home repair and energy efficiency project is for you. This project may be able to provide you *some or all* of these home services **at no cost to you**.

- * Structural and home energy assessment
- * Health and Safety assessment
- * Roof and gutter repairs
- * Window and door repair or replacement
- * Energy Efficiency Improvements (insulation, weather stripping, air sealing)
- * Heater service, repair or replacement
- * Asthma free and lead safe education, and MORE!



This **FREE** service is available in all Trenton neighborhoods. However, limited funding is available. Priority is given to homeowners with lower incomes and to homes with dangerous health or safety issues. Please call for information about your household's eligibility or to schedule an appointment to have your home assessed.



Call Prince - 609.341.4703 or email - pmoore@isles.org

33 Tucker St. Trenton NJ



Residential Health & Energy Efficiency for Trenton

Frequently Asked Questions

What is REHEET?

Isles' REHEET Program provides a healthy homes assessment, structural review, energy efficiency testing and home repairs.

Who can receive REHEET services?

Residents (home owners) and landlords within the City of Trenton. Although there are no income limits for participation, those with lower incomes (80% of area median income and below/about \$63,000 for a family of 4) and homes with dangerous health or safety issues (such as lead, carbon monoxide, etc.) will be served first.

What services does REHEET provide residents?

If eligible and chosen for the program, REHEET will provide you with:

- A detailed home energy audit
- An assessment of your home's structural condition
- An assessment of any indoor health and safety hazards
- A **limited amount** of energy efficiency, structural and health and safety measures. These measures **could include** insulation and weatherization, window and/or door replacement, minor structural repairs, roof repairs, heating system repair/replacement, lead or mold removal, etc.

REHEET has a **limited amount of money available** to spend per home. **Not all repairs or retrofits may be possible** depending upon the needs of your home. (For example, major structural repairs to roof or foundation, electrical wiring, extensive lead abatement, etc.) For work that exceeds our spending limits, we can provide you with a cost estimate and referrals to possible resources to help you address these issues.

What does REHEET cost?

There is no cost to the resident or landlord for any REHEET services.

How can I participate in REHEET?

Sign up for the program by filling out a program application with an Isles representative.

We will then schedule the healthy home assessment, structural review and energy audit.

Ready for REHEET?

Call Prince 609.341.4703 or email pmoore@isles.org



The Seven Keys to a Safe and Healthy Home

This 90-minute presentation introduces homeowners and renters to the seven principles of a healthy home. We will highlight common hazards found in homes and apartments and discuss how these indoor issues affect the health of children and adults.

Issues covered include:

- | | |
|-----------------------|-----------------------|
| 🔑 Lead paint and dust | 🔑 Pests |
| 🔑 Asthma triggers | 🔑 Household chemicals |
| 🔑 Carbon monoxide | 🔑 Fire Safety |
| 🔑 Mold and Moisture | |



This interactive workshop will help participants explore low-cost solutions for eliminating these hazards through group discussion and the use of an instructional DVD. This workshop is especially useful for families who have children with asthma or for residents of older homes or apartments.

Participants will receive:

- A fun and informative DVD on how to keep a home safe
- A Healthy Homes Kit

Workshops can be held at your venue or at our training center. If you are interested in scheduling this workshop for your community group, homeowner's association, residents, or clients, please contact us.

Andre 609.341.4730 or athomas@isles.org

isles *Center for Energy and
Self-Reliant Communities Environmental Training*

Mold

Mold is a living organism that thrives in areas of high moisture. It can exist almost anywhere and it spreads easily in warm enclosed areas with poor ventilation. It can enter the body when it is eaten or inhaled.

Mold had numerous health impacts:

- Allergic Reactions
- Infections in Chronically Ill
- Asthma Attacks
- Toxic Effects from Ingestion



Actions You Can Take:

- Repair roof, pipe, and foundation leaks.
- Use bath fans and range hoods.
- Use air conditioners & dehumidifiers.
- Seal air leaks and vent attics.

Dust

A variety of sources in your environment create dust in living spaces, such as pets, smoke, pests, people, and household products. Dust can trigger:

- Allergic Reactions
- Infections in Chronically Ill
- Asthma Attacks

Actions You Can Take:

- Dust and sweep regularly.
- Damp mop floors.

Pests

Rodents and insects invade food and storage spaces. They cause health issues including:

- Overuse of Pesticides
- Asthma & Allergic Reactions (from droppings & body parts)
- Bites & Disease Transmission
- Food Contamination



Actions You Can Take:

- Reduce clutter and clean up food.
- Seal entry points into home.
- Use traps & non-toxic pesticides.
- Avoid foggers and chemical sprays.

Keeping Your Home Healthy



isles
Self-Reliant Communities

Center for Energy and Environmental Training



Isles' CEET is the New Jersey satellite Training Center for the National Center for Healthy Housing. The New Jersey Department of Health provides partial funding for CEET's Healthy Homes programs.

Lead

This heavy metal is found in old paint and old water pipes in homes. It can also be found in abandoned industrial sites.

Lead can enter the body when it is eaten or inhaled. It is stored in bones and teeth, where it can slowly re-enter the bloodstream for decades.



Lead has numerous health and education impacts:

- Developmental & Learning Difficulties
- Fatigue & Irritability
- Nervous System & Digestive Problems
- Death

Actions You Can Take:

- Test paint and water for lead presence.
- Damp-mop, dust and vacuum frequently.
- Hire a qualified contractor to handle loose, flaking paint.

Carbon Monoxide

This odorless, colorless gas can be produced by fuel-burning devices:

- Heaters, Water Heaters, & Fireplaces
- Ovens & Stove Tops
- Automobiles

When inhaled, carbon monoxide replaces oxygen in the blood stream. Depending on the level and time of exposure, it can cause:

- Headaches & Fatigue
- Nausea, Dizziness & Confusion
- Death

About 180 people die from carbon monoxide poisoning in the U.S. each year.



Actions You Can Take:

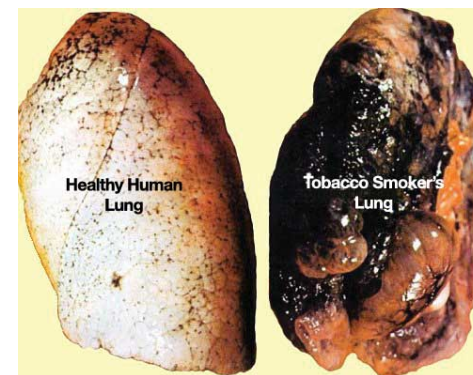
- Install a carbon monoxide detector on each floor.
- Have a qualified professional test all fuel-burning appliances.
- Seal garages from living spaces.

Tobacco Smoke

Tobacco smoke contains a deadly mix of more than 7000 chemicals, including:

- Benzene & Formaldehyde
- Arsenic & Lead
- Carbon Monoxide & Hydrogen Cyanide

About 70 of these chemicals cause cancer.



Smoking causes more than 440,000 premature deaths each year due to variety of cancer, heart disease, and respiratory illness.

Secondhand smoke causes nearly 50,000 deaths in the U.S. each year, and it has been linked to Sudden Infant Death Syndrome (SIDS), as well as infections, colds, pneumonia, and asthma in children.

Actions You Can Take:

- Quit smoking or smoke outside.
- Run exhaust fans to help remove tobacco smoke from living spaces.