

# ENERGY EFFICIENCY, JOBS & WORKFORCE DEVELOPMENT

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# INTRODUCTION



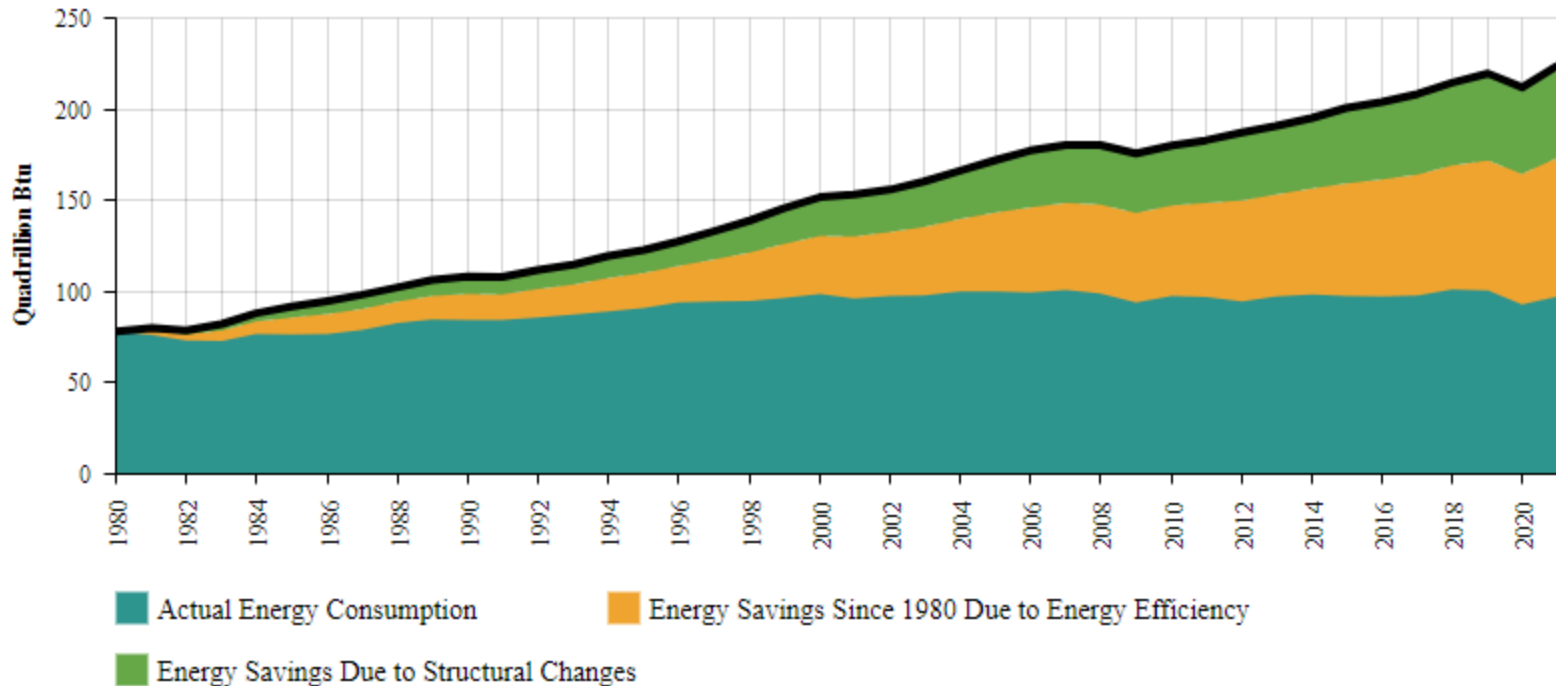
# Energy Efficiency (EE) Fuels the Economy

**2.3 million energy efficiency jobs in the U.S. make up nearly 40% of all energy jobs, with over 50% of those jobs in construction**

# Rising Demand for EE

## "More benefits are possible in an Efficient World (IEA)"

Projected Total Energy Consumption at Energy Productivity of 1980



- Energy consumption would be 78% higher without EE investments.

# EE GROWTH IN NEW JERSEY



# Utility EE Investment Growth

Program	Funding	Time Period	Notes
Triennium 1	\$2.1 billion	July 2021 - Dec 2024 (3.5 years)	\$2.6 billion including Comfort Partners (low-income EE program)
Triennium 2	\$3.8 billion	Jan 2025 - June 2027 (2.5 years)	

# State-run EE Investment Growth

## NJ's Clean Energy Program

Program	Funding	Time Period
Triennium 1	\$0.77 Billion	July 2021 - Dec 2024 (3.5 years)
Triennium 2	\$0.152 Billion (FY25), to be developed for FY26 and FY27	Jan 2025 - June 2027 (2.5 years)

# Utility Triennium 1 Impacts

## NJ Incentive Programs: Making a Difference

### Customer Participation & Investment

- **Participation:** 15 million times
- **Incentive Payments:** \$1.1 Billion

### Energy Usage Reduction

- **Electricity:** 3 million MWh
- **Natural Gas:** 8.5 million MMBtu
- **Equivalent:** 180,000 homes off grid

### Customer Bill Savings

- **Total Savings:** \$600 million
- **Savings per Household:** \$158/year (for 3.5 years)

### Greenhouse Gas Reduction

- **Emissions Reduction:** 1.4 million metric tons
- **Equivalent:** 300,000 cars off road



# Utility Triennium 2 Anticipated Impacts

	Approximate Numbers
Tri 2 Incentive budget	\$2.4B
% increase in EE budget from T1 to T2	81%
Existing statewide EE jobs by July 2027	45,000 – 50,000
Incremental EE Jobs from T1 to T2	2500-5000

# Federal Funding Initiatives for EE in NJ

Funding Source / Program	Budget / Award Status	Timeframe	Notes
IRA Rebates	Formula Funding Budget: \$190M; Awarded, <b>Planning Ongoing</b>	2025-2031	Programs include Comfort Partners - HEAR ; Multifamily Residential (M-RISE)
IRA TREC	Formula Funding Budget: \$3.51M, <b>Conditionally Awarded</b>	2025-2029	100% of these funds are to be distributed to the training providers across NJ
Weatherization Assistance Program (WAP) (NJDCA)	\$6.7M (NJ Allocation)	FY25	
EE Conservation Block Grants (EECBG)	\$2.4M (NJ Allocation)	N/A	Funded by Infrastructure Investment and Jobs Act (IIJA) of 2021

# Triennium 3 Planning

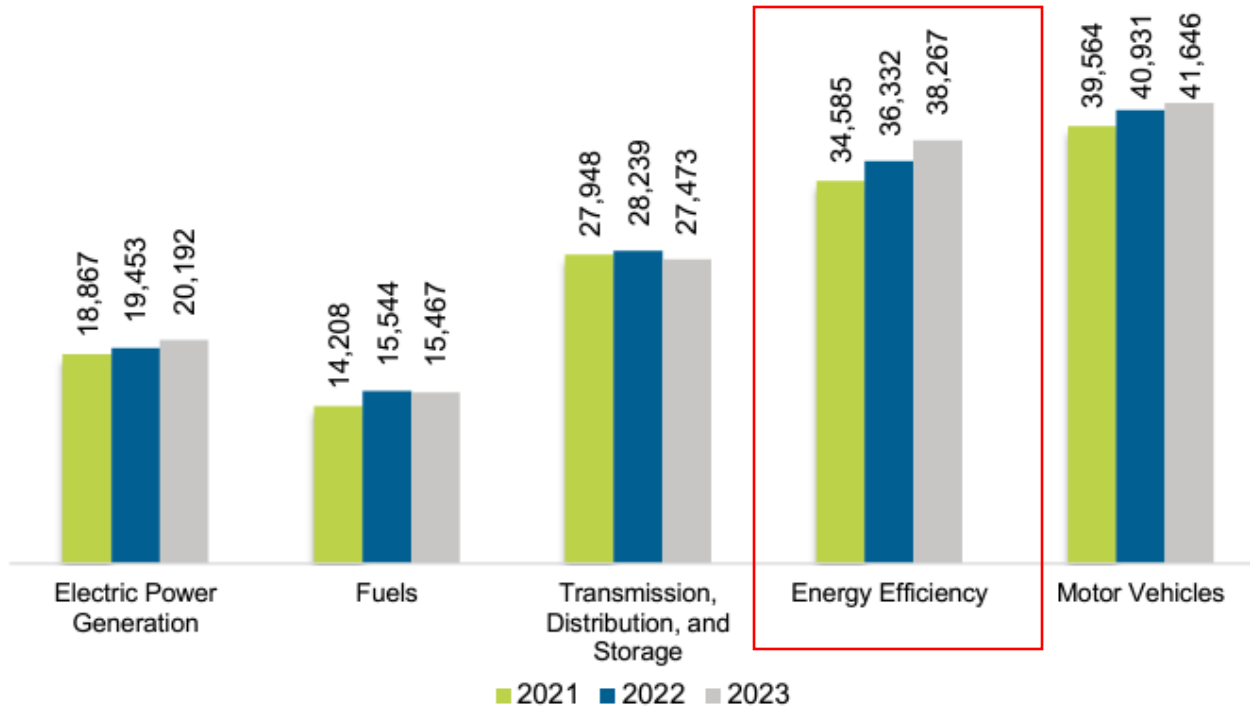
- Strategic Planning and Program Design is Ongoing
- Estimated dates:
  - Straw proposal: Q3 2025
  - Regulatory Framework Board Approval Q4 2025
  - Program Implementation Cycle
    - July 2027 to June 2030

# EE JOBS GROWTH IN NJ



# The Rising Trends in Energy Efficiency Jobs

Figure NJ-1. Employment by Major Energy Technology Application



New Jersey had 143,045 energy workers statewide in 2023. Of these energy jobs, 38,267 were in energy efficiency; **5.3% growth from 2022 to 2023.**

# Projected Jobs Growth from 2023 to 2024

- *"Employers in New Jersey are more optimistic than their peers across the country about energy sector job growth"*

Table NJ-1 Expected Growth by Major Technology Application

Technology	State Expected Growth Next 12 Months (percent)	U.S. Expected Growth Next 12 Months (percent)
Electric Power Generation	7.8	6.6
Electric Power Transmission, Distribution, and Storage	7.9	6.7
Energy Efficiency	8.5	8.0
Fuels	7.1	5.1
Motor Vehicles	6.8	4.5



Source: 2024 USEER States Report

# Projected EE Jobs Growth

- U.S. Department of Energy (USDOE) IRA Home Energy Performance-Based Whole-House Rebates Program (HOMES) and the High-Efficiency Electric Home Rebate Program (HEEHR) alone are **expected to create 881 direct jobs\*** between 2025 - 2031.
- It's essential to assess the impacts of all of New Jersey's EE programs.



*Source: NASEO WF TREC needs assessment* \*This estimate, though not including utility jobs nor occupation-specific jobs, gives a rough idea of the direct job creation potential for energy efficiency and electrification from the rebate investment in NJ.

# Building a Workforce for Energy Efficient Homes Needs an Intentional and Market-driven Approach

*"Residential decarbonization projects have the potential to spur job growth, but employers report challenges in finding skilled workers."*

*"While training grants ... can bridge skills gaps, more intentional and market-informed approaches to energy efficiency workforce development ecosystem are needed"*



Source: ACEEE, 2025 "Building a Workforce for Energy Efficient Homes"

**ATTENTION!**

**THIS IS NJDOL'S TRANSITION SLIDE**



# **BILT :** **A PLATFORM TO NETWORK AND GATHER STAKEHOLDERS' INPUT**

*Ryan Richardson and Pavithra Lakshminarayan*

*Industry Partnerships Team*

*New Jersey Department of Labor and Workforce Development*



# NJ BILT OBJECTIVES

- Industry Networking.
- Stakeholder Gathering.
- Community of Practice.
- Strategic EE WFD Needs Assessment => Action
  - BILT1 – IRA-TREC Program
  - BILT2 – Utility EE Triennium WFD Programs
  - BILT3 – Wraparound Support Needs in NJ
  - BILT4 – Clean Buildings Hub

# BILT-4

## **Objective: Collect Stakeholder Vision, Insights, Input to Establish New Jersey's Clean Buildings Hub**



# BILT4 : Clean Buildings Hub

- **Goal : People (Stakeholders, CBH Users)**
  - Collect Stakeholder Vision, Insights, Input
    - Breakout rooms.
      - Usable CBH Features\*.

*\*lessons learned from our research and the previous BILT meetings : dynamic technical training catalogue; certification finder tool; wraparound support services tools; career pathways tools; jobs pipelines resources; announcements; and others*

**CBH Co-design Process (BILT5)**  
**Build With People For People**



**Let's Proceed to the Breakout  
Rooms!**



**Save The Date for BILT-5**  
**June 18, 2025**  
**NJIT Campus, Newark, NJ**

