24<sup>th</sup> ANNUAL OHIO ENERGY MANAGEMENT CONFERENCE

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# Energy Efficiency and Energy Finance Programs

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## Energy Efficiency and Energy Finance Programs

## Ohio Development Services Agency (Development)

- Energy Efficiency Program (EEP)
- Energy Financing Programs (Energy Loan Fund & Loan Loss Reserve Programs)
- Energy Efficiency Training Opportunities





## Development's EEP

Development's EEP is a comprehensive energy efficiency program aimed at helping businesses, manufacturers, nonprofits, schools, hospitals, colleges/universities, and local governments to reduce energy use and improve energy efficiency, which will result in lower energy and operations costs.





## EEP Eligible Entities/Benefits/Process

#### **Eligible Entities**

Manufacturers

Commercial Businesses

Municipalities

Universities/School Districts

Hospitals and other nonprofits

#### **Benefits**

Identifies energy use, inefficiencies, and possible savings

Helps determine if efficiency measures will create savings and pay for the upgrades

Identifies the "before" values to measure and verify later savings

Helps to identify potential financing options

#### **Process**

Pre-approved engineer/architect facilitated energy efficiency audit

Implementation of energy efficiency measures (limited financing assistance may be available to qualified applicants)

Measurement and verification of energy and cost savings





#### **EEP Process**

Kick Off

Contact Development at:

https://development.ohio.gov/bs/bs\_renewenergy.htm for referral to energy audit firm

Assessment & Audit

Energy Management Diagnostic (manufacturing only)

Comprehensive American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Level II Energy Audit (for all clients)

Audit process normally takes 3-6 weeks

Receive Energy Audit Report

**Implementation** 

Evaluate project implementation financing options

Energy Loan Fund, Loan Loss Reserve, etc.

Implement measures identified in audit (limited financing options may be available to qualified applicants)

Confirm Results

Measurement & verification of project results





#### **EEP Process Detail**

#### **Energy Management Diagnostic**

- 1 to 2-hour meeting for manufacturing sites, with facilitator
- NO charge

#### ASHRAE Level II Audit

• For manufacturing AND non-manufacturing sites

#### Final Audit Report

- Existing facility conditions analysis
- Energy use patterns and utilities analysis
- Energy efficiency measures analysis & recommendations
- Potential funding strategies and resources (Energy Loan Fund, Loan Loss Reserve, etc.)
- Measurement & Verification strategies





## **EEP Energy Audit Grants**

	Manufacturers	Non- Manufacturers
Qualifications	All Ohio manufacturers	Facility > 10,000 sq. ft.
Development grant funding	75% of total audit cost, up to \$22,500	50% of total audit cost, up to \$15,000
Customer share	Remaining 25%, plus any amount >\$30,000	Remaining 50%, plus any amount >\$30,000
Development and client pay engineer/auditor directly		





## Development's Energy Efficiency Finance Programs

Energy Loan Fund & Loan Loss Reserve Fund





## **Energy Loan Fund**

#### Low-interest loans

- For improvements to existing structures
- Energy efficiency
- Renewable energy

#### Expected results

- Energy use reduction > 15%
- Payback < 15 years
- Economic impacts: job creation/retention, community improvements
- Improvement in environmental quality

#### Loan details

- \$250,000 \$2,500,000
- 1% 3% interest for most applicants





## **Energy Loan Fund**

- Eligibility
  - Manufacturers
  - Commercial Businesses
  - Public Entities (including local governments)
  - Nonprofits
  - Hospitals
  - Colleges/Universities
  - Ohio K-12 School Districts





## **Energy Loan Fund**

- \$9.5 million available in both FY 20 and FY 21
  - \$5.5 million in increments of \$250,000 to \$2.5 million for most applicants and interest at 1 3%
  - \$4 million in increments of \$250,000 to \$1 million for Ohio public K-12 school districts and interest as low as 0.25%
- More information or to apply
  - https://www.development.ohio.gov/bs/bs\_energyloanfund.htm





#### Loan Loss Reserve Fund

Offers credit/collateral enhancement of up to 50% of a qualified energy efficiency project on an existing structure Administered in partnership with eligible Ohio Port Authorities as they originate loans for energy projects. A minimum of 15% energy savings and a simple payback period of 15 years or less is required

\$18 million originally available for this program. \$5.1 million remaining





#### Loan Loss Reserve Fund



- Participating Ports
  - Cincinnati
  - Cleveland-Cuyahoga County
  - Columbus-Franklin County
  - Dayton-Montgomery County
  - Lake County
  - Lorain County
  - Summit County
  - Toledo-Lucas County

https://www.ohioportauthorities.com/





## **Energy Efficiency & Finance Programs Contacts**

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https://www.development.ohio.gov/cs/cs\_IIr.htm

