

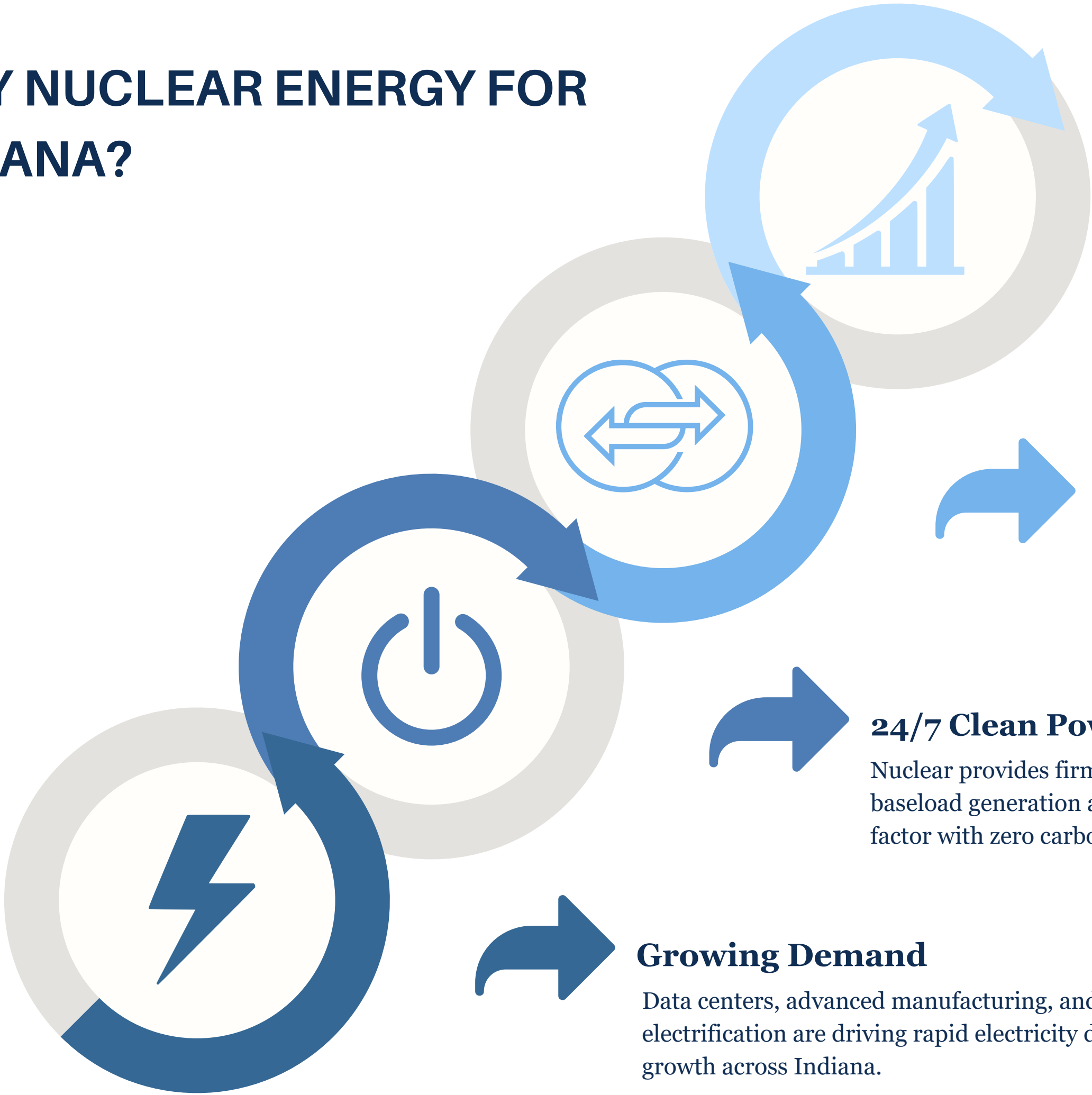
INDIANA ADVANCED NUCLEAR READY COMMUNITIES

Designation Program



Indiana Office of Energy Development

WHY NUCLEAR ENERGY FOR INDIANA?



Economic Engine

A single nuclear facility generates \$470M in annual local economic activity and creates 400–700 permanent, high-paying jobs.

Coal Transition

DOE finds 80% of retiring coal sites could host advanced reactors, preserving transmission, workforce, and tax base.

24/7 Clean Power

Nuclear provides firm, dispatchable baseload generation at 90%+ capacity factor with zero carbon emissions.

Growing Demand

Data centers, advanced manufacturing, and electrification are driving rapid electricity demand growth across Indiana.

BY THE NUMBERS

Economic Impact of a Typical Nuclear Facility

400 - 700

**Permanent
Direct Jobs**

Up to 3,500
during
construction

\$470M

**Annual Local
Economic Impact**

Goods &
services in the
community

\$16M +

**Annual Tax
Revenue**

State & local
taxes per year

2.8X

**Employment
Multiplier**

Every 10 jobs
create
18 additional jobs

Source: Nuclear Energy Institute,
DOE Office of Nuclear Energy

WHAT NUCLEAR MEANS FOR YOUR COMMUNITY



Largest Local Taxpayer

Nuclear plants often become the top taxpayers in their host county, funding schools, roads, and public services for decades.

High-Skill Careers

Average industry wage of ~\$90,000/year in engineering, operations, health physics, maintenance, and security.

Energy Security

Plants operate 24/7 at 90%+ capacity factor for 60+ years — the most reliable power source available.

Community Stability

89% of residents within 10 miles of a reactor view nuclear power favorably. Plants fund scholarships and local programs.

Workforce Transfer

Coal workforce skills are directly transferable to nuclear operations, enabling a just energy transition.

Home Values Rise

Home values near nuclear plants average \$39,000+ higher than near fossil fuel facilities.

THE NUCLEAR READY COMMUNITY PROGRAM

A tiered designation framework administered by the Indiana Office of Energy Development to help communities prepare for and attract nuclear energy investment.



Reduce developer risk and timelines through upfront community readiness



Build local workforce pipelines aligned with nuclear industry requirements



Attract nuclear manufacturers and operators with pre-qualified sites



Coordinate state, utility, and local government alignment on siting and permitting



Encourage sustained public education and engagement on nuclear energy

Three-Tier Designation Framework



- 2+ public educational meetings
- Information on nuclear technologies
- Documentation of outreach
- Narrative of community interest



- Government resolutions of support
- Certified site assessment
- Workforce development plan
- Utility & IEDC letters of support



- Regulatory readiness narrative
- Utility coordination & grid planning
- Economic development strategy
- Full application with all documentation



TIER 1: NUCLEAR AWARE

Building Community Understanding

Requirements

- ✓ Conduct at least 2 public educational meetings open to all residents
- Cover: advanced nuclear technologies, supply chain, economic benefits, and designation meaning
- ✓ Provide 5+ days public notice for each meeting
- Document agendas, attendance, presentations, questions from the public and public notice evidence

Educational Resources

- ✓ DOE: How Nuclear Power Plants Work (video)
- ✓ IAEA: Nuclear Explained series
- ✓ NEI: Navigating Nuclear virtual tours
- ✓ NuScale: SMR 101 interactive guide
- ✓ DOE: The Harnessed Atom STEM curriculum
- ✓ OED can provide speakers and materials



TIER 2: NUCLEAR PREPARED

Formal Commitments & Site Qualification

Community Support

- ✓ County government resolution
- ✓ City/town companion resolutions
- ✓ Utility letters of support
- ✓ Economic development letters
- ✓ OR: countywide ballot initiative

Site Assessment

- ✓ 50+ acres adequate land area
- ✓ Zoning flexibility
- ✓ Transmission proximity (<5 mi)
- ✓ Water access for cooling
- ✓ IEDC site acknowledgment

Workforce Plan

- ✓ Community college partnerships
- ✓ Skilled trades assessment
- ✓ K–12 STEM pipeline plan
- ✓ Workforce board coordination
- ✓ Training institution MOUs



TIER 3: NUCLEAR READY

Full Readiness for Developer Engagement

Regulatory & Governance Readiness

- ✓ Understanding of NRC licensing framework and Indiana's regulatory posture
- ✓ Coordination with IURC on siting and permitting
- ✓ Grid interconnection assessment with regional utility
- ✓ Utility partnership agreements or MOUs

Economic Development Strategy

- ✓ Tax increment financing (TIF) or local incentive mechanisms
- ✓ Community benefit agreements (CBAs)
- ✓ State incentive programs via IEDC
- ✓ Federal tax credits: 45Y, 48E, 45X
- ✓ Comprehensive narrative of community readiness and vision

Tier 3 communities are positioned for direct engagement with nuclear developers, manufacturers, and the NRC pre-application process.

APPLICATION PROCESS



RESOURCES & TOOLKIT

Essential components for building effective social media campaigns that drive engagement



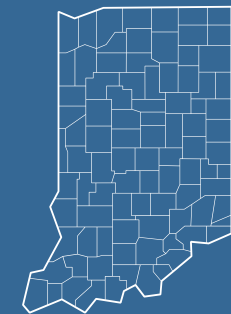
Program One-Pager

Front/back overview of the program, benefits, and three-tier framework



Community Toolkit

Step-by-step guide with checklists, video links, and resource directory



Sample County Resolution

Model legislative language ready for county council adaptation



Benefits Brief

Data-driven one-page summary of nuclear facility economic impact



Video Library

Curated educational videos from DOE, IAEA, NEI, and NuScale for public meetings



Federal Incentives Guide

Overview of 45Y, 48E, and 45X tax credits for nuclear development

Ready to Get Started?

**CONTACT THE INDIANA OFFICE OF
ENERGY DEVELOPMENT!**

[<https://www.in.gov/oed/indianas-energy-policy/nuclear-ready/>]



Contact: Nuclear@oed.IN.gov