

Exelon[®]

Nuclear Partners

**New Nuclear
Development Services**



New Nuclear Development Services

Exelon Nuclear Partners offers an array of services for those who are developing new nuclear power capabilities.

Our services are based on the *Exelon New Plant Development Model*, an approach that incorporates the rigor, discipline, detail and consistency of the *Exelon Nuclear Management Model*.

The *Exelon New Plant Development Model* leverages Exelon's operational expertise and applies the owner-operator's perspective to all decisions. Our approach prioritizes operational efficiencies, so plants cost less to develop and earn maximum revenue upon completion.



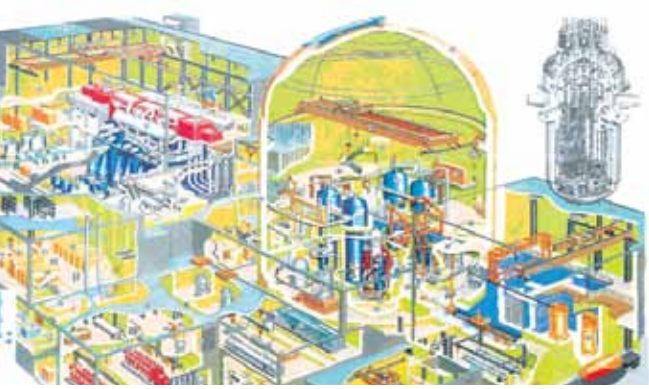


Architectural rendering of proposed nuclear plant in Victoria, Texas.

What Makes Us Unique

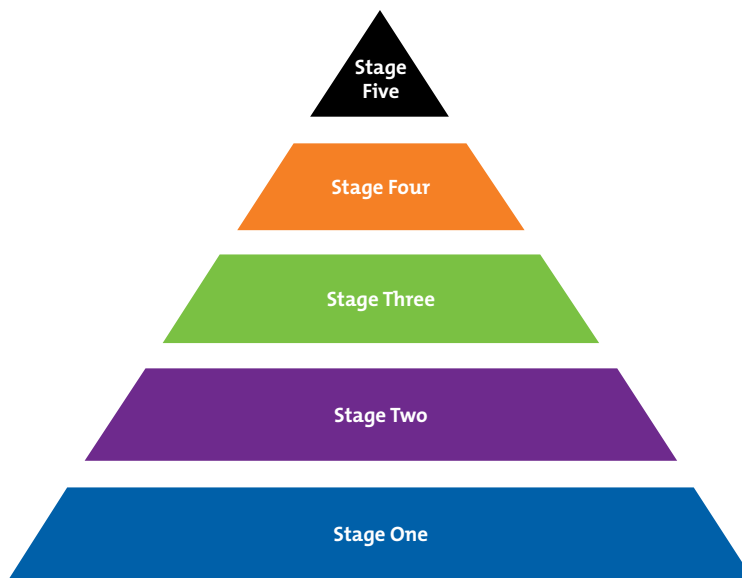
Exelon Nuclear Partners is not a construction management firm, an architect/engineering firm, or a reactor vendor. We are an owner-operator and development partner with significant experience in nuclear operations and new plant development. As a partner, we can guide you through the complex process of building and operating a plant from an owner's perspective, and help you make the best decisions as a new nuclear owner and operator. Benefits of working with us include:

- **MAXIMUM RETURN ON INVESTMENT:** Developing a new nuclear plant is a major long-term investment. It requires careful planning and rigorous attention to detail to maximize cost savings and operate at maximum efficiency, which together will yield the highest returns on your investment.
- **RELATIONSHIPS:** Our existing vendor relationships streamline the process of new plant development. You have the option of interfacing with one team—Exelon—and we help manage the relationships with dozens of others involved in the development process.
- **COST SAVINGS:** We can help you save millions of dollars throughout the course of your multi-billion dollar development project. Our focus on rigorous execution of standardized steps with minimal deviation allows us to share our previous experience with you, saving countless hours in tasks you won't need to begin from scratch.
- **INCREASED REVENUE:** Because we are a highly skilled operator, we can help you design your plant and your team to operate efficiently, so you can achieve high capacity factors—and earn the most revenue—on day one.
- **KNOWLEDGE TRANSFER:** We share our experience in new plant development and nuclear operations with your team, empowering you to develop your own capabilities as you plan, build and operate high-performing nuclear plants.



The Exelon New Plant Development Model

Our services cover all the various elements an owner-operator needs to address during each stage of nuclear power plant development.



Stage Five

Operations

Implementing the Exelon Nuclear Management Model

After all the hard work and major financial investments involved in building a new plant, you're finally ready to begin operations. Are you ready? If you operate your facility using the *Exelon Nuclear Management Model*, you'll

have the means to obtain the highest capacity factors in a shorter time, and generate the most revenue. Whether you are looking for a partner to assume complete operations for you, or someone to provide management

oversight of your operators, Exelon Nuclear Partners can help.

Stage Four

Transition to Operations

Organization Design

The design of your nuclear organization is the foundation upon which your operations and staffing plans are built. We can deliver the industry's best organization design—contained in the *Exelon Nuclear Management Model*—as a starting point for your

own. Our organizational design is built on efficiency and accountability and helps create a standard of high performance among operators and support personnel.

Workforce Training

We can help you develop a superior workforce that leads to successful performance. We have developed numerous accredited, proven training programs—contained in the *Exelon Nuclear Management Model*—and have a 97 percent success rate in

training operators to pass the licensing exam. We also offer formal mentorship relationships, so your operators can shadow and learn from the expert nuclear operators at Exelon facilities.

Turnover Planning & Startup

Preparing a plant for startup operations is a complex undertaking. You'll need to outfit your plant with a multitude of operational programs and more than 120 plant IT process systems and make sure all equipment

is installed and working properly. We have alliances with trusted business partners and direct experience in pre-operation testing, which can help you smoothly manage the transition to startup quickly and with fewer problems.

Stage Three

Construction

Owner's Construction Oversight

As an owner we understand the myriad responsibilities a licensee faces and we'll look out for your interests during the crucial construction stage. We apply our operator's perspective to interface with the constructor and

reactor vendor, interface with the regulators, insurers and other stakeholders, review and approve design documentation, confirm what is being built is what you ordered, monitor procurement practices, and perform a

myriad of other tasks that will protect your interests. By applying lessons learned from previous projects, we can help you avoid construction change orders and future retrofits, saving time and money.

Stage Two

Planning and Pre-Construction Readiness

Licensing and Permitting

Preparing a license application involves the development of an entire nuclear operations program and earning the trust of regulators. We can deliver all application content, based on the proven *Exelon Nuclear Management Model* and plans developed for new build projects. And we have earned the respect of regulators which

can help you earn your license by demonstrating you have the resources, knowledge and ability to be a safe operator.

Infrastructure Planning & Optimization

As an experienced operator, we have insight into the infrastructure requirements for a safe, highly efficient plant. We can help you to optimize your plant's layout for performance and safety, things that construction and reactor design firms without nuclear operating experience cannot deliver.

Business Requirements Finalization

Before making the decision to proceed with your new build, you need to secure financing, maximize receipt of available incentives, and manage public relations and stakeholder outreach. We have the financial expertise and market credibility to recommend the lowest cost options for financing your

multi-billion dollar project, saving time and money. We can provide ready made economic models to determine the optimal financial considerations and guide you through the process of building stakeholder and community support.

Smart Construction

This optimizes all aspects of construction execution and management to drive high degrees of efficiency in safety, scheduling, and supply chain and resource utilization. Our proprietary smart construction model, based on worldwide best practices, can help you drive your constructor to execute a complex build with fewer problems.

Stage One

Program Initiation

Site selection

We synthesize the complexities of site selection and help you balance the interests of other parties (such as regulators and the public) against the financial requirements of a project of this magnitude. We can help select a site that best meets your business goals while satisfying third parties.

Technology selection

We have experience operating PWRs and BWRs from different vendors and many generations. When selecting new reactor technologies, we base our evaluation on years of fleet operating experience. We consider equipment reliability, maintenance needs and performance history to evaluate the true

benefits and costs of a particular technology over the life of the plant, so you can make the best business decision based on facts not vendor promises.

Contracting & Commercial support

Developing sound contracts with vendors and business service providers are critical to the financial health and viability of your project. We have relationships with trusted businesses partners and have negotiated hundreds of pages of business contracts for Exelon's new

build and supported numerous (risk-based) evaluations of vendor offerings. We know how to prepare contracts that balance risk and reward, maximize vendor concessions and build in recourse to remedy problems.

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