

Welcome to Byron Station



Byron Station Facts

- Groundbreaking – 1975
- Unit 1 online – September 1985
- Unit 2 online – August 1987
- Each unit generates approximately 1200 megawatts
- Licensed for 40 years / can seek 20-year ext.
- Currently 700 Exelon employees
 - Additional 150+ permanent contractors
 - 1,000+ more during refueling outages

Exelon Nuclear

- Fleet consists of 10 nuclear generating stations
- 17 operating nuclear reactors
- 17,500+ Mwe total generation
 - Average consumption in ComEd territory is 12,600 Mwe / PECO is 5100 Mwe (Nov.)
- Plants are located in three states:
Illinois, Pennsylvania & New Jersey



Byron IL (2)



LaSalle IL (2)



Braidwood IL (2)



Dresden IL (2)

Quad Cities IL (2)



Exelon SM



Three Mile Island, PA (1)

17 Units

Largest fleet in U.S.

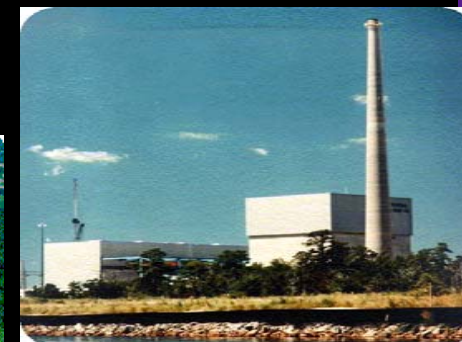


Clinton IL (1)

Peach Bottom PA (2)

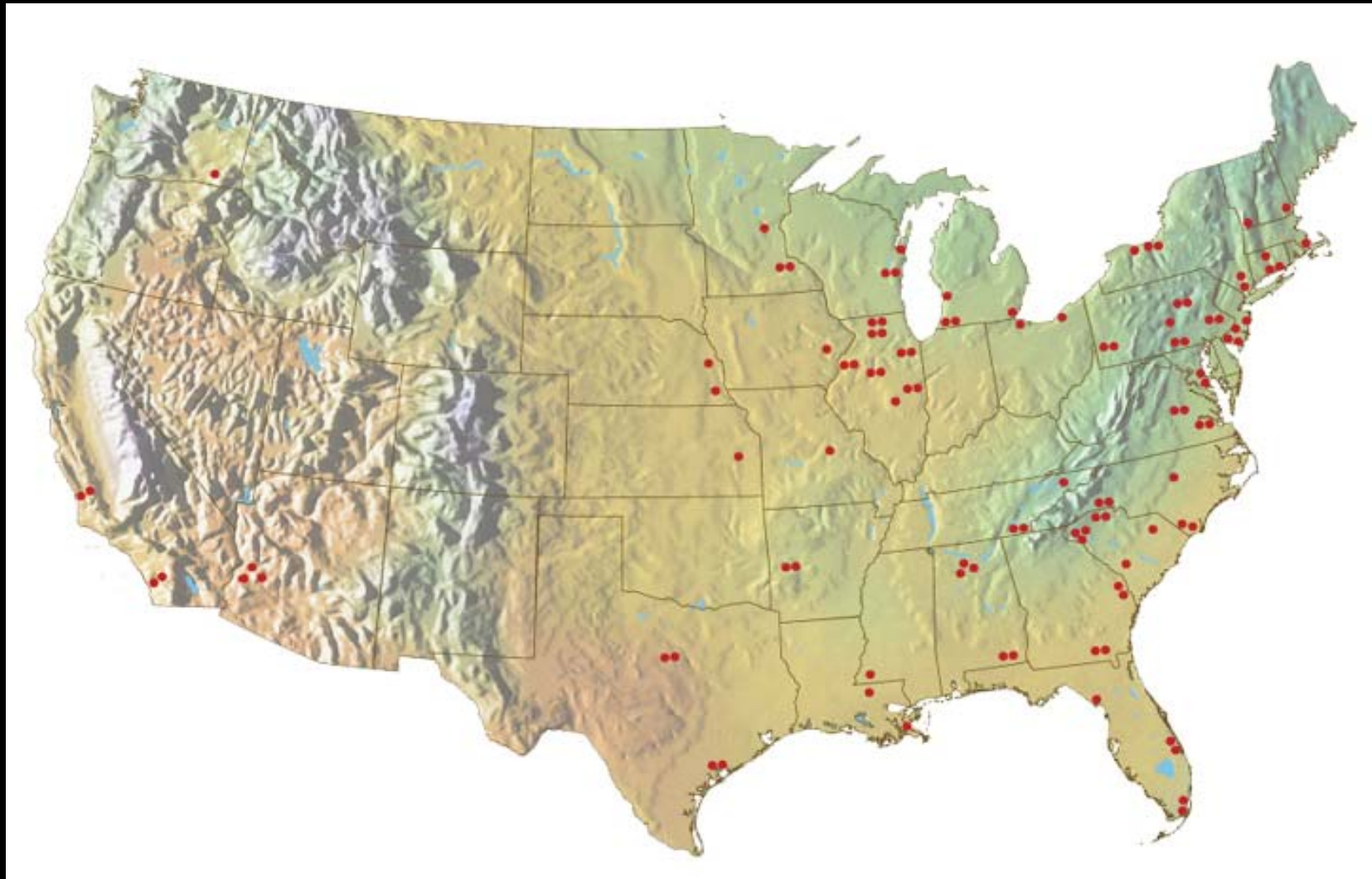


Limerick PA (2)



Oyster Creek NJ (1)

103 Nuclear Power Reactors



Exelon Corporation

- 2001 ComEd / PECO merger
- Largest U.S. retail electric company
 - 5.1 million customers
- Largest U.S. Nuclear Plant Operator
- 17,000 employees companywide
 - 7000 employees in Exelon Nuclear

Exelon Corporation

- In December 2004, announced plans to merge with Public Service Enterprise Group (NJ) and form Exelon Electric & Gas
- Merger would create largest utility in U.S.
 - Customers: 7M electric, 2M gas
 - Total assets: \$79 Billion
 - Generation assets: 52,000 MW
 - Employees: 28,000 (approx.)
 - Add three more nuclear units to fleet (20)

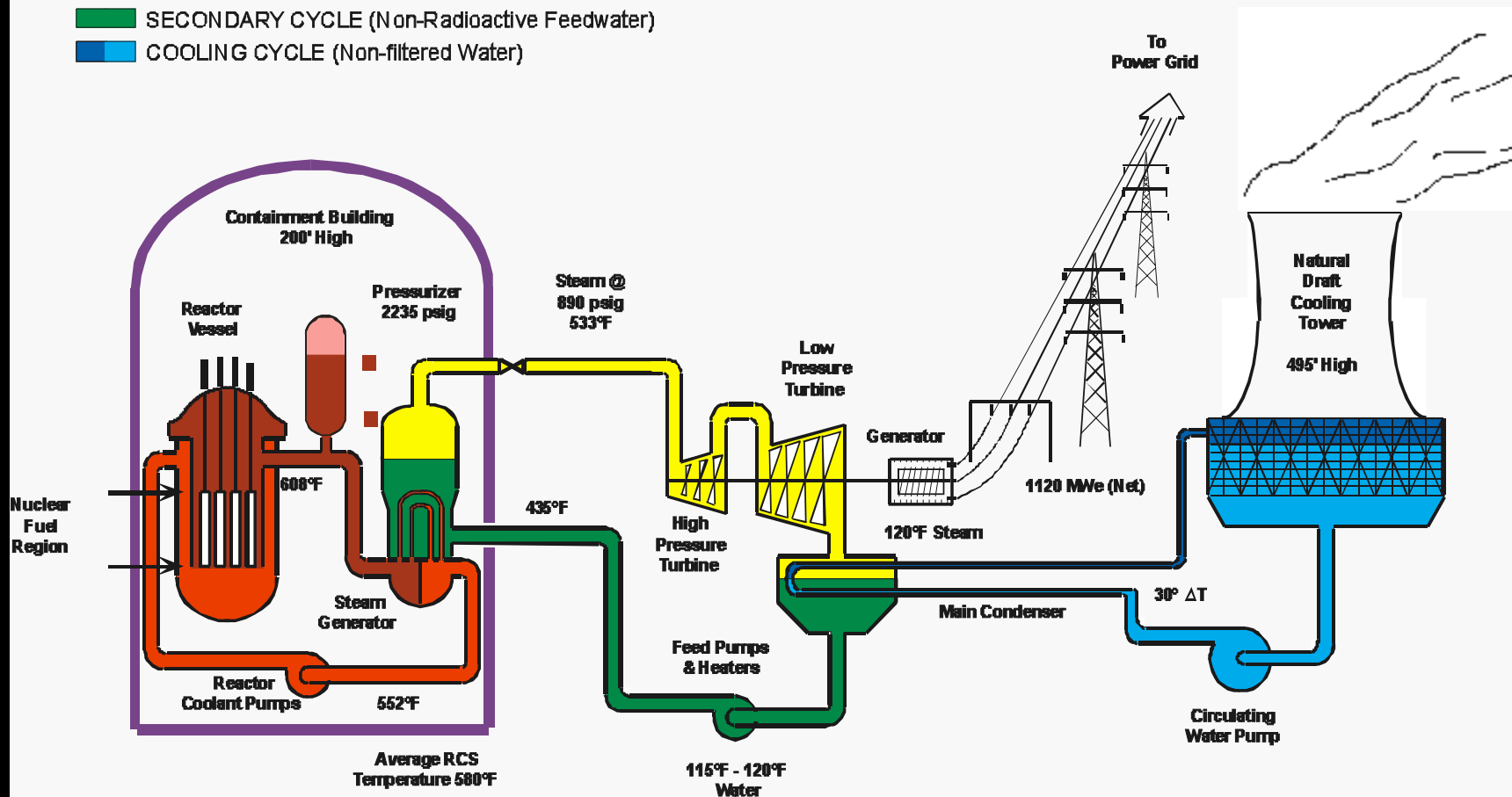
Employees

- Engineers
- Maintenance (Mechanical, Electrical, Instrument)
- Operators (control room & in-plant)
- Chemistry
- Radiation Protection
- Work Control / Planning
- Training
- Regulatory / Oversight
- HR / Admin. / Financial

Engineering Organization

- **Engineering Design**
 - Electrical/I&C
 - Mechanical/Structural
 - Rapid Response
 - Mod Design
- **Engineering Systems**
 - Electrical
 - NSSS systems
 - Balance-of-plant
- **Engineering Programs**
 - Regulatory Mandated Compliance
- **Information Systems**

- PRIMARY CYCLE (Reactor Grade Water)
- SECONDARY CYCLE (Non-Radioactive Steam)
- SECONDARY CYCLE (Non-Radioactive Feedwater)
- COOLING CYCLE (Non-filtered Water)



Pressurized Water Reactor