

**Entergy Working Group Update**  
 Plymouth Board of Selectmen  
 January 19 2016

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**Timeline**

- August** Phase I of UMass Study completed
- October 13** Entergy Announces Closure of Power Station
- October 14** Initial meeting Working Group
- November 3** Meeting with Federal Delegation
- November 10** NRC meeting with Local Legislators
- November 23** Partnership with the Institute of Nuclear Host Communities established (UMass)
- December 9** NRC rulemaking hearing
- January 28** Vermont The Nuclear Decommissioning Citizens Advisory Panel (NDCAP)

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**Pilgrim Nuclear Power Plant Overview**

<b>1972</b> Plant Opened	
<b>586</b> Employees	
<b>190</b> Employees, living in Plymouth	
<b>134 acres</b> Pilgrim Nuclear Power Plant Site	
<b>1,674 acres</b> Entergy Owned Land (incl. 134 acres)	

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### Entergy Announcement

- Pilgrim Nuclear Power Station will close no later than June 1, 2019.
- Due to poor market conditions, reduced revenues and increased operational costs.
- ISO New England Inc. (ISO-NE) notified of the pending closure.
- Timing of closure will depend on several factors, including fulfilling production level commitments.

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### Pilgrim Nuclear Power Plant Closure

- Anticipated announcement date for refueling is June 2016.
- If refueling takes place timing of closure can vary, with closure no later than June 1, 2019. Timing will depend on level of refueling.
- Entergy must notify the Nuclear Regulatory Commission (NRC) of closure date. This notification will be public.

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### Initial Concerns

- Safety and security
- Spent fuel rods removal, timeline and compensation
- Emergency preparedness
- Jobs and employment base
- Future land use
- Environmental impacts
- Decommissioning trust fund oversight

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### Current Economic Impact

- \$9.25M** Payment in Lieu of Taxes
- \$2.5M** Emergency Preparedness  
(Local and State)
- \$77M** Annual Wages & Benefits  
(Local Communities)
- \$58M** Owned Personal Real Estate  
(Plymouth based)
- \$1M** Personal Property Tax

### Based on Other Plant Closures

#### Compensation

- \$1M** Tax Payment, within five years
- \$10M** Economic development (County)
- \$5.2M** Clean energy development (County and other)
- \$5M** Payment to the State for calendar year 2015 (State)
- \$25M** A new fund, site restoration after decommissioning

#### Employment

- 85%** Employees, relocate
- 10%** Employees, early retirement
- 5%** Employees, unemployed

### The Bigger Economic Development Picture



- Healthy growth
  - Population: + 9.22% 2000 to 2010
  - Workforce: + 19.77% 2000 to 2013



- Unique physical characteristics
  - 104 square miles
  - Over 30 miles of coastline



- Downtown vitality
  - Low Vacancies
  - Town Hall, 2017
- Wide range of industry sectors



### Entergy Working Group

- **Coordinate engagement** with external stakeholders and partners, including Entergy, Federal Agencies and Committees (Nuclear Regulatory Committee and Department of Energy), and Other nuclear host communities
- **Coordinate local, regional, state and federal representatives** in preparation for negotiations
- **Identify technical assistance and resources**
- **Become local experts** on the decommissioning

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### Partnership with the Institute for Nuclear Host Communities

Phase I – Summer 2015

- Economic Impact Study, available online

Phase II - Ongoing

- Provide technical guidance
- Provide best practice advice, gained from other nuclear host communities




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### Federal Meeting - Takeaways

- Plymouth is not alone! Municipalities in VT, NY and CA are going through this as well.
- Shared priorities:
  - Safety and Security (Markey)
  - Compensation for Spent Fuel Rods
  - Oversight of the Decommissioning Trust Fund
  - Emergency Preparedness Plans
  - Employment Base (Warren)
  - Coalition potential (Keating)
- There is no 'playbook' in place to guide negotiations.
- There are no clear cut answers – at the local, state or federal level

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### Rulemaking, Federal Oversight

#### Nuclear Regulatory Committee

- Revision of existing policies to establish stronger oversight during closure and decommissioning of the plant.
- Public feedback requested by March 2016
- Coordination with local (other host communities), state and federal representatives

#### Department of Energy

- Revision of existing policies to establish stronger oversight related to the storage and transport of spent fuel rods.

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### Proposed Action Item #1

#### Working Group

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### Proposed Action Item #2

#### Working Group

- **Draft response letters**, for the Board's approval before sending, to:
  - Nuclear Regulatory Commission
  - Department of Energy

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### Proposed Action Item #3

#### Nuclear Matters Committee

- Provide advise to the Board of Selectman on current plant operations.
- Assist the Working Group's efforts
- Research nuclear power plant closures and share findings at a future Board of Selectman meeting, including but not limited to:
  - Decommissioning types and costs
  - Environmental issues
  - Timelines/Phases
  - Safety issues and Unanticipated consequences

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### Proposed Action

#### Working Group (#1 & #2)

- Coordinate engagement with external stakeholders and partners, including Entergy, Federal Agencies and Committees (Nuclear Regulatory Committee and Department of Energy), and Other nuclear host communities
- Coordinate local, regional, state and federal representatives in preparation for negotiations
- Identify technical assistance and resources
- Become local experts on the decommissioning
- Draft response letters, for the Board's approval before sending, to:
  - Nuclear Regulatory Commission
  - Department of Energy

#### Nuclear Matters Committee (#3)

- Provide advise to the Board of Selectman on current plant operations.
- Assist the Working Group's efforts
- Research nuclear power plant closures and share findings at a future Board of Selectman meeting, including but not limited to:
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### Thank you

Questions and Comments

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