

Entergy Task Force Update

Plymouth Board of Selectmen

January 19 2016

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)

Pilgrim Nuclear Power Plant Overview

1972 Plant Opened

586 Employees

190 Employees, living in Plymouth

134 acres Pilgrim Nuclear Power Plant Site

1,674 acres Entergy Owned Land (incl. 134 acres)



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.

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.

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

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

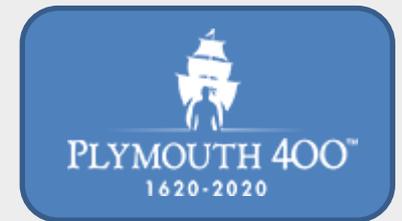
Employment

- 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

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



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

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.

Proposed Action Item #1

Working Group

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- Identify **technical assistance and resources**
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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

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

Proposed Action

Working Group (#1 & #2)

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- Identify **technical assistance and resources**
- Become **local experts** on the decommissioning
- **Draft response letters**, for the Board's approval before sending, to the Nuclear Regulatory Commission and the Department of Energy

Nuclear Matters Committee (#3)

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Thank you

Questions and Comments