

1 **DRAFT - Nuclear Decommissioning Citizens Advisory Panel - DRAFT**
2 **2017 Annual Report to the Governor of Vermont and the**
3 **Energy Committees of the General Assembly**
4

5 **I. Statutory Authority and Duties**
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7 The nineteen member Nuclear Decommissioning Citizens Advisory Panel (NDCAP) was
8 established during the 2014 legislative session. For details on membership and duties see
9 <https://legislature.vermont.gov/statutes/fullchapter/18/034>. The list of current members of the
10 Nuclear Decommissioning Citizens Advisory Panel may be found
11 at <http://publicservice.vermont.gov/electric/ndcap>.
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13 **II. Charter**
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15 The NDCAP Charter was adopted on February 25, 2015 and amended on May 26, 2016. The
16 Charter is available at
17 [http://publicservice.vermont.gov/sites/dps/files/documents/NDCAP/Amended%20NDCAP%20](http://publicservice.vermont.gov/sites/dps/files/documents/NDCAP/Amended%20NDCAP%20Charter%20%28Adopted%202016.05.26%29.pdf)
18 [Charter%20%28Adopted%202016.05.26%29.pdf](http://publicservice.vermont.gov/sites/dps/files/documents/NDCAP/Amended%20NDCAP%20Charter%20%28Adopted%202016.05.26%29.pdf)
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20 **III. Meeting Highlights**
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22 The NDCAP held seven meetings in 2017; meetings were held in January, March, May, June,
23 September, October, and November. All meetings were open to the public and opportunities for
24 comments from the public were provided. Each meeting included an update on recent activities
25 by both Entergy and the State of Vermont, as well as ample time for discussion and comments
26 from panelists and the public. Educational and issue specific topics were discussed at every
27 meeting; a summary of each topic is presented below. The minutes of each meeting can be found
28 on the Public Service Department website at <http://publicservice.vermont.gov/electric/ndcap>,
29 and a complete video recording of each meeting can be found at www.brattleborotv.org.
30

31 **January 26, 2017**

- 32 • **OVERVIEW OF NRC LICENSE TRANSFER PROCESS:** Jack Parrott, Licensing Project
33 Manager for the Vermont Yankee Site; Michael Dusaniwskyj, Economist, Office of Nuclear
34 Reactor Regulation; and Doug Tiffit, State Liaison Officer, Region 1 were on the phone to
35 make a presentation and answer questions on the reactor decommissioning license
36 transfer process.
- 37 • **OVERVIEW OF ENTERGY/NORTHSTAR PUBLIC SERVICE BOARD FILING:** Certificate of
38 Public Good on Proposed Sale of Entergy Nuclear Vermont Yankee to NorthStar, Joe Lynch,
39 Government Affairs Manager, Entergy Vermont Yankee, gave an update on recent
40 activities.

- 41 • **STATE OF VERMONT OVERVIEW OF CERTIFICATE OF PUBLIC GOOD PROCESS:** Geoff
42 Commons, Public Advocate, Vermont Department of Public Service reviewed the
43 Certificate of Public Good process.
44 • **LEADERSHIP SELECTION:**Kate O'Connor was elected chair. Martin Langeveld was
45 elected vice chair.
46

47 **March 23, 2017**

- 48 • **VERNON PLANNING COMMISSION:** Update on Activities in the Town of Vernon: Town of
49 Vernon Planning and Economic Development Commission introduced themselves: Janet
50 Rasmussen, Vice Chair of Vernon Planning Commission, Patty O'Donnell and Madeline
51 Arms. Bob Spencer, Chair not able to make meeting. The commission members updated
52 the panel on their activities.
53 • **STATE OF VERMONT OVERVIEW OF CERTIFICATE OF PUBLIC GOOD**
54 **ENERGY/NORTHSTAR JOINT PETITION:** Public Service Department Agency of Natural
55 Resources Attorney General Steph Hoffman, Attorney at Department of Public of Service
56 (PSD), gave an update on the State's activities in relation to the Entergy/NorthStar joint
57 petition before the Public Service Board.
58

59 **May 25, 2017**

- 60 • **VERMONT YANKEE NUCLEAR POWER STATION LICENSE TRANSFER FOR**
61 **DECOMMISSIONING AND REVISED POST SHUTDOWN DECOMMISSIONING**
62 **ACTIVITIES REPORT (PSDAR)/DECOMMISSIONING COST ESTIMATE (DCE)** Scott E.
63 State, Chief Executive Officer, NorthStar, T. Michael Twomey, VP External Affairs, Entergy
64 • **OVERVIEW OF U.S. NUCLEAR REGULATORY COMMISSION LICENSE TRANSFER**
65 **REQUEST REVIEW PROCESS AND PSDAR/DCE ACCEPTANCE PROCESS** Representatives
66 from the NRC included Andrea Koch, Deputy Director Division of Decommissioning
67 Uranium Recovery and Waste Programs, Bruce Watson, Chief Reactor Decommissioning
68 Branch, Jack Parrott, Senior Project Manager, Vermont Yankee, Michael Dusaniwsky,
69 Economist
70

71 **June 22, 2017**

- 72 • **PRESENTATION: VESSEL AND INTERNALS SEGMENTATION / SPENT FUEL SUPPORT**
73 Sam Shakir, Chief Executive Officer, AREVA Nuclear Materials (NorthStar
74 Decommissioning Partner)
75 • **PRESENTATION: ENGINEERING AND LICENSE TRANSFER / TERMINATION SUPPORT**
76 **TO OWNER** Glenn Neisis, Nuclear Director, Burns & McDonnell (NorthStar
77 Decommissioning Partner)
78

79 **September 28, 2017**

- 80 • **PRESENTATION: PROPOSED SITE RESTORATION STANDARDS** Scott State, Chief
81 Executive Officer, NorthStar Group Services)
82 • **PRESENTATION: RUBBLIZATION PROCESS** Doug Larson, Senior Principal Civil &
83 Environmental Engineer, Geosyntec Consultants

84 **October 26, 2017**

- 85 • **TECHNICAL ASSISTANCE FOR BROWNSFIELDS REVIEW OF NON-RADIOLOGICAL SITE**
- 86 **RESTORATION PROPOSAL:** Andrea Poinsett, Project Professional and Susan Boyle,
- 87 Senior Consultant, GEI Consultants.
- 88 • **OVERVIEW OF FILINGS BY INTERVENORS IN PUBLIC UTILITY COMMISSION DOCKET**
- 89 **8880 (CPG ENTERGY / NORTHSTAR LICENSE TRANSFER):** Rich Holschuh, Elnu Abenaki
- 90 Tribe, Clay Turnbull, New England Coalition on Nuclear Pollution, Robert Spencer, Vernon
- 91 Planning & Economic Development Commission, Chris Company, Windham Regional
- 92 Commission

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94 **November 16, 2017**

- 95 • **DISCUSSION ON REGION SPECIFIC DECOMMISSIONING ISSUES WITH**
- 96 **REPRESENTATIVES FROM THE COMMONWEALTH OF MASSACHUSETTS AND STATE**
- 97 **OF NEW HAMPSHIRE**
- 98 • **DEFINITION OF INDUSTRIAL V. RESIDENTIAL CLEANUP STANDARDS** David Andrews,
- 99 International Brotherhood of Electrical Workers Local 300
- 100 • **UPDATE ON SPENT FUEL TRANSPORTATION PLANS (RAIL INFRASTRUCTURES,**
- 101 **TIMETABLES, ETC.)** Tony Leshinskie, State of Vermont
- 102 • **HISTORY AND OPTIONS FOR SPENT FUEL STORAGE** Tony Leshinskie, State of Vermont

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104 **IV. Major Milestones and Activities at the Vermont Yankee Site**

- 105 • 1/23 NRC Fourth Quarter 2016 Inspection Exit Meeting – no issues, findings, or violations
- 106 • 1/24 NRC License Transfer Application Pre-Submittal Public Meeting
- 107 • 2/09 License Transfer Application (LTA) filed with NRC
- 108 • 3/13 Second ISFSI construction resumed after winter break
- 109 • 5/08 Filed request with PUC to amend Docket 8300 CPG to reduce site protected area
- 110 • 6/11 Dry fuel cask loading commenced
- 111 • 8/14 Second ISFSI pad declared operational
- 112 • 8/31 PUC approval to reduce site protected area received
- 113 • 11/16 ISFSI only site protected area construction commenced

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115 **V. Nuclear Decommissioning Trust (NDT) and Site Restoration Trust (SRT) Fund Updates**

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117 NDT	117 SRT
118 \$561.6 M Balance on January 1, 2017	\$22.4 M Balance on January 1, 2017
119 \$36.9 M Qualified Withdrawals	\$ 5.0 M Final Contribution (Dec 2017)
120 \$61.0 M Market Gains	\$3.8 M Market Gains
121 \$ 4.2 M Fund Expenses	\$ 0.4 M Fund Expenses
122 \$581.5 M Balance on December 31, 2017	\$31.1 M Balance on December 31, 2017

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127 **VI.Second ISFSI (Dry Cask Storage Pad) at the Vermont Yankee Site**

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129 Construction of the second ISFSI Pad was resumed on March 13th after pausing for the winter. All
130 work was completed and the second pad was declared operational on August 14th.

131
132 **VII.Transfer of Spent Nuclear Fuel at Vermont Yankee**

133 As of December 31, 2017, 34 dry casks had been loaded and placed on the ISFSI Pad. The
134 remaining 24 casks will be loaded in 2018.

135
136 **VIII.Water Management Program at Vermont Yankee**

- 137 • Steady reduction of groundwater entering the Turbine Building.
138 ○ End of year rate of 200 – 300 gallons per day
139 ○ Over 90% reduction in leakage since 2015
140 • Groundwater is being shipped to EnergySolutions licensed disposal site in Tennessee
141 • A total of 642,000 gallons have been shipped to date (12/31/17)
142 • No discharge into Connecticut River

143
144 **IX.The Issues Committee of NDCAP**

145 The Issues Committee, formed in 2015 to make recommendations on topics for discussion at
146 NDCAP meetings, met 4 times in 2017. Members of the committee: David Andrews, Chris
147 Company, Martin Langeveld, Jim Matteau, and Kate O’Connor.

148 **X. Meeting Schedule and Priorities for 2018**

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150 The Panel reserved the option to meet on the fourth Thursday of each month in 2018. The first
151 meeting has been set for Thursday, February 22 at the Brattleboro Union high School Multipurpose
152 Room in Brattleboro, VT.

153
154 The Panel will continue to perform the duties as outlined in Title 18 Chapter 34 of the Vermont
155 Statutes, with an emphasis on the continued discussion of issues related to the proposed sale of
156 VYNPS to NorthStar.