

SENATE No. 2602

Senate, July 12, 2018 – Text of the Senate amendment to the House Bill promoting climate change adaptation, environmental and natural resource protection, and investment in recreational assets and opportunity (House, No. 4613) (being the text of Senate, No. 2591, printed as amended).

The Commonwealth of Massachusetts

In the One Hundred and Ninetieth General Court
(2017-2018)

1 SECTION 1. To provide for a program of climate change adaptation and the
2 preservation and improvement of the environmental and energy assets of the commonwealth, the
3 sums set forth in this act, for the several purposes and subject to the conditions specified in this
4 act, are hereby made available, subject to the laws regulating the disbursement of public funds,
5 which sums shall be in addition to any other amounts previously made available for these
6 purposes; provided, that the amounts specified for a particular project may be adjusted to
7 facilitate projects authorized in this act.

8 SECTION 2.

9 EXECUTIVE OFFICE FOR ADMINISTRATION AND FINANCE

10 Office of the Secretary

11 1100-3000 For a program to provide grants and low-interest loans to owners or
12 operators of a dispensing facility, as defined in section 1 of chapter 21J of the General Laws, that
13 retails gasoline and other petroleum products, for the purpose of replacing and modernizing
14 existing single-walled underground petroleum storage tank equipment and related leak detection

15 equipment, and to reduce the risk of pollution from potential leakage; provided, that program
16 grants and loans shall be made available for costs including, but not limited to, engineering, tank
17 removal, construction and infrastructure replacement to install double-walled underground
18 petroleum storage tank equipment and related leak detection equipment; provided further, that
19 the installation of underground storage tank and leak inspection equipment funded under the
20 program shall comply with applicable laws and regulations of the commonwealth and the federal
21 government; provided further, that program grants and loans shall be made available only to
22 small-business owners or operators of eligible dispensing facilities not located on land owned by
23 the commonwealth; provided further, that priority for grants and loans under the program shall
24 be given to eligible dispensing facilities that are located in a rural area; provided further, that the
25 secretary of administration and finance shall make available the funds under this item to the
26 Massachusetts Development Finance Agency to administer the grant and loan program; and
27 provided further, that the Massachusetts Development Finance Agency, in consultation with the
28 department of environmental protection, shall, not later than January 31, 2019, adopt standards to
29 implement the program, including general guidelines and requirements for owners and operators
30 to apply for grants and loans and the criteria used to evaluate applications for grants and loans
31 under the program.....\$2,000,000

32 EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS

33 Office of the Secretary

34 2000-7071 For improvements and replacements to the infrastructure and holdings of
35 the executive office of energy and environmental affairs and its departments and divisions;
36 provided, that these improvements and replacements may include, but shall not be limited to,

37 buildings, equipment, vehicles and communication and technology equipment; provided further,
38 that the secretary of energy and environmental affairs may provide guidance for planning,
39 prioritization, selection and implementation of projects in furtherance of the goals of climate
40 change mitigation and adaptation and consistent with the integrated state hazard mitigation and
41 climate change adaptation plan; provided further, that any expenditures for communication and
42 technology equipment under this item shall be considered in consultation with the secretary of
43 technology services and security; provided further, that not less than \$350,000 shall be expended
44 for the conversion of 31 Plum Island boulevard to an emergency response facility; and provided
45 further, that not less than \$800,000 shall be expended for the implementation of a combined
46 sewer overflow monitoring and notification system under chapter 21 of the General
47 Laws.....\$10,500,000

48 2000-7072 For grant programs for land, soil, water and natural resource conservation;
49 open space preservation; watershed remediation; coastal resource protection, including securing
50 access to protected coastal lands and lands to provide for the inland migration of coastal habitats;
51 recreation; environmental equity and wildlife and endangered species protection including, but
52 not limited to, the local acquisition for natural diversity grant program, the parkland acquisition
53 and renovation for communities grant program, conservation partnership grant programs,
54 including programs to support landscape-scale land conservation projects, the drinking water
55 supply protection grant program, grant programs to assist and provide funding to conservation
56 districts, grants to support projects and initiatives that promote carbon sequestration and climate
57 change resiliency through sustainable forestry and salt marsh restoration, including associated
58 educational initiatives, and grants to support local, regional and state land use planning and
59 management capabilities to advance smart growth efforts, all pursuant to rules or regulations

60 adopted by the secretary of energy and environmental affairs to effectuate this item; provided,
61 that the secretary of energy and environmental affairs may provide guidance for planning,
62 prioritization, selection and implementation of projects in furtherance of the goals of climate
63 change mitigation and adaptation and consistent with the integrated state hazard mitigation and
64 climate change adaptation plan; provided further, that all projects shall provide appropriate
65 public access as determined by the secretary; provided further, that not less than \$6,000,000 shall
66 be expended for the dredging and conservation of Salisbury Pond at Institute Park in the city of
67 Worcester; provided further, that not less than \$1,500,000 be expended for the design and
68 construction of a public safety boat house on Lake Quinsigamond in the city of Worcester;
69 provided further, that not less than \$500,000 shall be expended for improvements to Ipswich
70 River park in the town of North Reading; provided further, that not less than \$200,000 shall be
71 expended for improvements around Cook pond in the city of Fall River; provided further, that
72 not less than \$300,000 shall be expended to Bay Coast Rowing Center, Inc. for the refurbishment
73 and upgrade of an existing boat house building to house a community boating program in the city
74 of Fall River; provided further, that \$1,000,000 shall be expended for the reconstruction of the
75 Sandwich boardwalk providing access to Town Neck beach in the town of Sandwich; provided
76 further, that not less than \$1,500,000 shall be expended to the Community Boating Center, Inc.
77 for the creation of a community boating center in the south end section of the city of New
78 Bedford to provide financially-disadvantaged children with sailing, youth development and
79 extracurricular opportunities; provided further, that not less than \$1,500,000 shall be expended to
80 the Buzzards Bay Coalition, Inc. for the acquisition and conservation of Crow Island in the town
81 of Fairhaven to provide open, public access to coastal space in New Bedford and Fairhaven
82 Harbor through sailing, rowing, kayaking and other water-dependent activities; provided further,

83 that not less than \$50,000 shall be expended to promote environmental initiatives in the Roxbury
84 section of the city of Boston; provided further, that not less than \$300,000 shall be expended for
85 the development and construction of a park and recreational area Warner's pond in the town of
86 Concord; provided further, that not less than \$400,000 shall be expended for the rehabilitation of
87 playgrounds in the town of Sudbury; provided further, that not less than \$100,000 shall be
88 expended for rehabilitation and signage on the Western Greenway trails in the city of Waltham;
89 provided further, that not less than \$1,000,000 shall be expended for repairs, maintenance and
90 improvements of the Leo Jerome Martin Memorial Golf Course in the town of Weston; provided
91 further, that not less than \$15,000 shall be expended for the installation of sand and gravel test
92 wells for an irrigation well water conservation feasibility study at the high school and middle
93 school athletic complex in the town of Weston; provided further, that not less than \$50,000 shall
94 be expended for signage and other design efforts along the portion of the Massachusetts central
95 rail trail in the town of Weston; provided further, that not less than \$500,000 shall be expended
96 for the construction, renovation, improvement, maintenance and handicapped accessibility of
97 Friendship park playground and Roberts field in the town of Chelmsford; provided further, that
98 not less than \$1,750,000 shall be expended for trail signage, wayfinding, trail restoration and
99 other improvements in the Middlesex Fells Reservation; provided further, that \$600,000 shall be
100 expended to protect and preserve the shoreline and water quality of Crystal lake in the city of
101 Newton; provided further, \$200,000 shall be expended for improvements around the Flax pond
102 in the city of Lynn; provided further, that \$1,800,000 shall be expended for the procurement and
103 installation of a high-efficiency irrigation system to promote water conservation at the Gannon
104 Municipal Golf Course in the city of Lynn; provided further, that not less than \$500,000 shall be
105 expended for dredging, safety and environmental improvements to Winter pond in the town of

106 Winchester; provided further, that not less than \$1,000,000 shall be expended for the permitting,
107 design and undertaking of dredging of Memorial pond in the town of Walpole; provided further,
108 that not less than \$1,000,000 shall be expended for the study, design, permitting and undertaking
109 of repairs, remediation, conservation and improvements to ponds, waterways, dams and
110 watersheds in the town of Walpole; provided further, that not less than \$500,000 shall be
111 expended for repairs to the Dr. John W. Coleman Greenergy park in the city of Beverly;
112 provided further, that not less than \$300,000 shall be expended for the planning, design,
113 construction and operation of a regional glass recycling and sorting facility in the town of
114 Dennis; provided further, that not less than \$1,215,000 shall be expended for improvements to
115 the Run pond culvert in the town of Yarmouth to improve tidal flushing and reduce nutrient
116 influxes and algal blooms; provided further, that not less than \$500,000 shall be expended for the
117 reconstruction of certain roads in the town of Holbrook; provided further, that not less than
118 \$1,000,000 shall be expended for the development and implementation of an energy efficiency
119 pilot program for the implementation of energy efficiency measures in the city of Taunton;
120 provided further, that not less than \$1,000,000 shall be expended for the development and
121 implementation of an energy efficiency pilot program for the implementation of energy
122 efficiency measures at Bridgewater State University; provided further, that \$200,000 shall be
123 expended for improvements to the glacial pothole overlook in the town of Shelburne; provided
124 further, that not less than \$208,683 shall be expended for an infiltration basin in the woodland
125 behind Cunningham school in the town of Milton; provided further, that not less than \$158,283
126 shall be expended for storm water improvements to the intersection of Adams and Pleasant
127 streets in the town of Milton; provided further, that not less than \$700,000 shall be expended for
128 recreational and capital facility improvements for the state park at Fort Phoenix in the town of

129 Fairhaven; provided further, that not less than \$280,000 shall be expended for recreational
130 improvements for Brooklawn park in the north end of the city of New Bedford; provided further,
131 that not less than \$330,000 shall be expended for improvements to East beach at East Rodney
132 French boulevard in the city of New Bedford; provided further, that not less than \$1,000,000
133 shall be expended to complete phase 2 restorations at Hazelwood park in the south end section of
134 the city of New Bedford which shall include, but not be limited to, the creation of new
135 playground facilities for children, construction of a community amphitheater and upgrades to the
136 historic Congdon-Lucas House; provided further, that not less than \$45,000 shall be expended
137 for road improvements and the planning development and construction for signalization at the
138 intersection of Central street and United States highway route 1 in the town of Rowley; provided
139 further, that not less than \$250,000 shall be expended for road improvements and planning and
140 development of Maple street on state highway route 62 in the town of Middleton; provided
141 further, that not less than \$50,000 shall be expended for sidewalk accessibility improvements in
142 the town of Sudbury; provided further, that not less than \$925,000 shall be expended for new
143 sidewalk construction in the town of Bedford; provided further, that not less than \$115,000 shall
144 be expended for roadside path repairs in the town of Lincoln; provided further, that not less than
145 \$111,000 shall be expended for the study and construction of intersection improvements in the
146 town of Lincoln; provided further, that not less than \$13,000 shall be expended for new sidewalk
147 construction in the town of Lincoln; provided further, that not less than \$82,500 shall be
148 expended for accessibility, informational, wayfinding and safety improvements to the commuter
149 lot at Lincoln Station in the town of Lincoln; provided further, that \$500,000 shall be expended
150 to study the environmental and noise impacts, potential methods to reduce the impacts and
151 potential sources for mitigation of the interstate highway route 90 construction project along

152 Storrow drive in the city of Boston and Memorial drive in the city of Cambridge; provided
153 further, that not less than \$3,000,000 shall be expended on the planning and construction of a
154 water transportation facility at Lewis Mall in the East Boston section of the city of Boston;
155 provided further, that not less than \$1,125,000 shall be expended for improvements on Elm street
156 in the city of Gardner; provided further, that not less than \$1,500,000 be expended to the city of
157 Peabody for demolition of the existing building and for the design, engineering and permitting of
158 an upgraded drainage system for the parcel and its tributaries at 10 Lowell street; provided
159 further, that not less than \$100,000 shall be expended to the Worcester Community Action
160 Council, Inc. for soil remediation at its Head Start project site in the town of Webster; provided
161 further, that not less than \$500,000 shall be expended to the town of Uxbridge for a soil
162 remediation project in the South Uxbridge section; provided further, that not less than \$250,000
163 shall be expended for soil remediation at the Draper Mill Complex in the town of Hopedale;
164 provided further, that not less than \$2,200,000 shall be expended for environmental remediation
165 of property along the banks of the Merrimack river and the construction of Riverview park in the
166 city of Lowell; provided further, that not less than \$750,000 shall be expended for environmental
167 remediation of ash fill and reconstruction of the baseball field at O'Donnell park in the city of
168 Lowell; provided further, that not less than \$1,250,000 shall be expended for environmental
169 testing and potential remediation of hazardous materials at the Lowell high school construction
170 site based on the hazardous materials survey performed in fall 2016 by Universal Environmental
171 Consultants; provided further, that not less than \$500,000 shall be expended to fund professional
172 services associated with the mitigation of contaminated needles in the public way; provided
173 further, that not less than \$1,000,000 shall be expended for developing and implementing a grant
174 program to improve the quality and quantity of waste diversion in gateway cities; provided

175 further, that grants of financial assistance issued under the grant program shall include, but not
176 be limited to, efforts to promote appropriate waste diversion practices via print materials,
177 conventional and electronic media advertising and outreach efforts to residents of gateway cities;
178 provided further, that not less than \$300,000 shall be expended to fund construction,
179 maintenance and improvements to a mattress recycling facility operated by UTEC, a youth
180 services non-profit organization in the city of Lowell; provided further, that \$100,000 shall be
181 expended to construct a community garden in Mission Hill in the Roxbury section of the city of
182 Boston; provided further, that \$100,000 shall be expended for drainage pipe improvements on
183 Stoddard place in the town of North Brookfield; provided further, that \$25,000 shall be expended
184 for improvements to Turkey Hill pond in the town of Rutland; provided further, that \$25,000
185 shall be expended for improvements to Demond Hill pond in the town of Rutland; provided
186 further, that \$120,000 shall be expended for improvements to O'Gara park in the town of Spencer
187 including, but not limited to, the construction of a field house and improvements to the
188 grandstand; provided further, that \$10,000 shall be expended for improvements to Powder Mill
189 park in the town of Spencer; provided further, that \$5,000 shall be expended for improvements to
190 Luther Hill park in the town of Spencer; and provided further, that not less than \$3,708,221 shall
191 be expended for the reconstruction of Turnpike street in the town of Stoughton to combat
192 roadway settlement caused by of a vast depth of decomposing subsurface material..\$175,000,000

193 2000-7073 For the design, construction, reconstruction, rehabilitation, retrofitting,
194 repair or removal of coastal infrastructure and resiliency measures, including, but not limited to,
195 seawalls, jetties, revetments, retaining walls, beach nourishment, living shorelines and other
196 nature-based solutions, which are defined as strategies that conserve, restore and employ the
197 natural resources of the commonwealth to enhance climate adaptation, build resilience and

198 support mitigation; provided, that costs payable from this item may include, but shall not be
199 limited to, the costs of engineering and other technical assistance and planning services essential
200 to these projects rendered by the office of coastal zone management in the executive office of
201 energy and environmental affairs, the office of waterways in the department of conservation and
202 recreation and other commonwealth employees or consultants; provided further, that grants and
203 loans may be made to local government units to carry out this item; provided further, that funds
204 may be used on lands held by municipal, county, state or federal agencies or other governmental
205 bodies, on lands held by nonprofit conservation organizations or on private lands with the
206 consent of the owner and subject to covenants that assure the continued presence and
207 effectiveness of such projects for the expected life of the projects; provided further, that the use
208 of such funds by county and municipal governmental bodies on lands held by nonprofit
209 conservation organizations, or on private lands, shall require, in a county, a vote of the county
210 commissioners, in a city having a Plan D or Plan E charter, by the affirmative vote of a majority
211 of all the members of the city council, in a city not having such a charter, by vote of the city
212 council, subject to the charter of that city and in a town, by a majority vote of the selectboard;
213 provided further, that the secretary of energy and environmental affairs may provide guidance for
214 planning, prioritization, selection and implementation of projects in furtherance of the goals of
215 climate change mitigation and adaptation and consistent with the integrated state hazard
216 mitigation and climate change adaptation plan; provided further, that \$1,000,000 shall be
217 allocated to the Marine Biological Laboratory for the restoration of the seawall located at
218 Waterfront park in the town of Falmouth; provided further, that not less than \$150,000 shall be
219 expended for seawall restorations at Apponagansett park in the town of Dartmouth; provided
220 further, that not less than \$2,500,000 shall be expended for planning development and

221 construction to the Long beach sea wall in the town of Rockport; provided further, that not less
222 than \$1,000,000 shall be expended for coastal infrastructure repair in town of Nahant; provided
223 further, that not less than \$1,000,000 shall be expended for coastal infrastructure repair in the
224 town of Swampscott; provided further, that not less than \$350,000 shall be expended for coastal
225 infrastructure repair in the town of Marblehead; provided further, that \$500,000 shall be
226 expended for planning and infrastructure improvements to mitigate flooding issues at Lewis
227 Wharf in the North End section of the city of Boston; provided further, that not less than
228 \$500,000 shall be expended for the renovation and improvement of the retaining seawall at
229 Grandview avenue in the town of Winthrop; provided further, that not less than \$1,000,000 shall
230 be allocated to the town of Plymouth for seawall and revetment work at Long beach; provided
231 further, that not less than \$1,000,000 shall be allocated to the town of Plymouth for cobble
232 nourishment at Long beach; provided further, that not less than \$1,300,000 shall be expended for
233 study, design and construction of methods for storm relief and marsh restoration and to provide
234 residents egress during significant flooding events in the Commerce road area in the town of
235 Barnstable; provided further, that not less than \$1,400,000 shall be expended for the replacement
236 and improvement of the culvert at Snow's Creek to provide storm relief and marsh restoration
237 and for the installation of a sidewalk on the south side of Ocean street in the culvert vicinity and
238 construction of safety railings in the town of Barnstable; provided further, that not less than
239 \$400,000 shall be expended for construction costs associated with hydraulic dredging and beach
240 nourishment at town owned beaches in the town of Chatham; provided further, that not less than
241 \$250,000 shall be expended for flood water drainage and tide gate analysis and replacement at
242 various locations in the town of Chatham; provided further, that not less than \$35,000 shall be
243 expended for a climate resiliency study at Beach point in the town of Truro; provided further,

244 that not less than \$500,000 to fund the planning, engineering design, permitting and other bid-
245 phase expenses for the repairs to the East Harbor culvert and surrounding infrastructure in the
246 town of Truro; provided further, that not less than \$150,000 shall be expended for survey,
247 design, engineering, materials estimating and permitting of the enhancement of shoreline
248 protection and other measures necessary to protect vulnerable roadway and utilities infrastructure
249 along state highway route 6A and Snail road in the town of Provincetown; provided further, that
250 not less than \$1,500,000 shall be expended for the construction, purchase or repair of seawalls,
251 jetties and wave attenuation devices in the town of Duxbury; provided further, that not less than
252 \$1,500,000 shall be expended for the construction, purchase or repair of seawalls, jetties and
253 wave attenuation devices in the town of Marshfield; provided further, that not less than
254 \$1,500,000 shall be expended for the construction, purchase or repair of seawalls, jetties and
255 wave attenuation devices in the town of Scituate; provided further, that not less than \$1,500,000
256 shall be expended for the construction, purchase or repair of seawalls, jetties and wave
257 attenuation devices in the town of Hull; provided further, that not less than \$1,000,000 shall be
258 expended for shoreline and park restoration at Blessing of the Bay park in the city of Somerville;
259 provided further, that not less than \$250,000 shall be expended to mitigate the impacts of ocean
260 erosion in the town of Gosnold; provided further, that not less than \$200,000 shall be expended
261 for the town of Nantucket to draft and create a coastal resiliency plan; provided further, that
262 \$300,000 shall be expended for a study to determine solutions to flooding issues in the Riverside,
263 Point of Pines and Beachmont sections of the city of Revere; provided further, that not less than
264 \$200,000 shall be expended to implement the findings of the study; provided further, that not
265 less than \$1,000,000 shall be expended for public safety measures to support and mitigate the

266 impacts of the proposed Massachusetts Water Resources Authority fishing pier at Deer
267 island.....\$61,500,000

268 2000-7074 For the design, construction, reconstruction, rehabilitation, retrofitting,
269 repair or removal of municipally-owned dams, publicly owned dams and other dams for which
270 emergency action or statewide hazard mitigation is required and for inland flood control projects
271 and projects for related facilities and equipment including, but not limited to, seawalls, jetties,
272 revetments, retaining walls, beach nourishment and other nature-based solutions on publicly-
273 owned land or related to state or municipal climate change adaptation and preparedness or for
274 which emergency action or statewide hazard mitigation is required; provided, that the secretary
275 of energy and environmental affairs shall give priority to dams and flood control projects that
276 pose the greatest risk to public health or safety or to the environment; provided further, that
277 funds shall be available for a program of planning, permitting and construction of fish ways and
278 other aquatic habitat improvements, including the removal or breaching of selected dams and
279 impoundments on state-owned land and waterways; provided further, that the secretary may
280 provide guidance for planning, prioritization, selection and implementation of projects in
281 furtherance of the goals of climate change mitigation and adaptation and consistent with the
282 integrated state hazard mitigation and climate change adaptation plan; provided further, that
283 projects shall be considered in consultation with the municipality hosting the asset to be repaired
284 and those municipalities impacted by the project; provided further, that not less than \$1,000,000
285 shall be expended for the costs associated with the replacement of the Factory Pond dam in the
286 town of Holliston; provided further, than not less than \$1,000,000 shall be expended for
287 rehabilitation of the Willett pond dam in the town of Norwood; provided further, that \$800,000
288 shall be expended to replace the Waite Pond dam in the town of Leicester; provided further,

289 \$657,500 shall be expended for dam repairs in the town of Upton; provided further, that
290 \$250,000 shall be provided to the city of Pittsfield for repairs to the Wild Acres dam; provided
291 further, that \$500,000 shall be provided to the town of Ashfield for mitigation of the Ashfield
292 Lake dam; provided further, that \$1,000,000 shall be expended for culvert upgrades to reduce
293 flooding and increase coastal resiliency in the Ring's Island area and Ferry and March roads in
294 the town of Salisbury; provided further, that \$500,000 shall be expended for the removal of the
295 Jones river dam in the town of Kingston; provided further, that \$2,500,000 shall be expended on
296 dams in the city of Springfield; provided further, that not less than \$200,000 shall be expended
297 for costs associated with repairs to the Greenough dam in the town of Carlisle; provided further,
298 that not less than \$500,000 shall be expended for the design and construction of a pump house
299 system for distributing aluminum sulfite in Monponsett pond in the town of Halifax; provided
300 further, that not less than \$1,980,000 shall be expended to improve the structural integrity and
301 safety of the Hobart Pond dam and Harding Pond dam in the town of Whitman; provided further,
302 that not less than \$1,500,000 shall be expended to prepare a master plan for dam improvements,
303 invasive plant control, dredging the lakes, construction, repaving roads and highway lights at
304 D.W. Field park in the city of Brockton; provided further, that not less than \$2,000,000 shall be
305 expended for storm resiliency efforts in the city of Quincy, including sea wall repair and the
306 dredging of brooks, rivers and creeks for flood storage capacity; provided further, that not less
307 than \$500,000 shall be expended for the management and improvement of Studley's pond dam
308 in the town of Rockland; provided further, that \$300,000 shall be expended for engineering,
309 improvements and repairs to the Hamilton Reservoir dam in the town of Holland; provided
310 further, that \$200,000 shall be expended for improvements to the Queen Lake dam in the town of
311 Phillipston; provided further, that not less than \$100,000 shall be expended for the repair, design,

312 permitting and construction of the Leverett Pond dam in the town of Leverett; and provided
313 further, that not less than \$1,250,000 shall be expended for infrastructure and improvements at
314 Green River and the Wiley-Russell Dam in the town of Greenfield.....\$75,000,000

315 2000-7075 For the acquisition of land and interests in land by the executive office of
316 energy and environmental affairs and its departments and divisions and for associated costs,
317 including planning, study, due diligence, title and appraisal services, site restoration, monitoring
318 and stewardship, including, but not limited to, acquisitions for open space, recreation,
319 conservation, wildlife and endangered species protection, forest land protection and for related
320 costs and activities in support of conservation goals, including, but not limited to, capitalization
321 of the Transfer of Development Rights Revolving Fund established under section 35HHH of
322 chapter 10 of the General Laws; provided, that funds under this item may be used to develop and
323 implement a stewardship program on lands under the care and control of the executive office or
324 its departments and divisions or subject to conservation restrictions or other related interests in
325 land purchased through this item, including, but not limited to, resource and land use monitoring,
326 signage, boundary delineation and monitoring, preparation of baseline documentation,
327 stewardship planning, ecological monitoring and enforcement of conservation or other related
328 restrictions or detection and resolution of encroachments on land and rights in land, and repair of
329 damage to property related to illegal uses, including off-road vehicle trespass; provided further,
330 that funds may be used for inventory, restoration and reclamation of acquired land, including
331 demolition of structures, removal of debris, eradication of non-native species and other services
332 essential to these reclamation efforts; provided further, that the secretary of energy and
333 environmental affairs may provide guidance for preservation, maintenance, and acquisition of
334 land and interests in land in furtherance of the goals of climate change mitigation and adaptation

335 and consistent with the integrated state hazard mitigation and climate change adaptation plan and
336 may expend funds under this item for those purposes; provided further, that projects shall be
337 considered in consultation with the municipality hosting the asset to be repaired and those
338 municipalities impacted by the project; provided further, \$100,000 shall be expended for
339 invasive aquatic plant species eradication in Lake Quinsigamond in the towns of Grafton and
340 Shrewsbury and the city of Worcester; and provided further, that not less than \$500,000 shall be
341 expended for invasive species mitigation in the city of Northampton.....\$32,000,000

342 Department of Environmental Protection

343 2200-7022 For investment in water and air quality protection including, but not
344 limited to, investments necessary to meet the legislative and regulatory requirements of the
345 Rivers Protection Act, the federal and state Clean Water Acts and the Massachusetts Wetlands
346 Protection Act and to provide for integrated energy and environmental projects to optimize and
347 preserve environmental quality and public health and provide for appropriate protection,
348 restoration, management and best use of air, energy, water and land resources, assets and
349 infrastructure, including upgrades to laboratory equipment, and to provide for research, studies
350 and the collection of data to support investment in environmental assets, including sampling and
351 analysis of water and air quality, monitoring cumulative environmental impacts in environmental
352 justice communities, the development of geographic information system maps for wetlands
353 conservancy and tidelands, stormwater infrastructure and public water supplies, the development
354 of water quality analyses known as total maximum daily loads, the assessment of water quality
355 health and impaired use of waterways and projects related to nonpoint and point sources of water
356 pollution and the wetlands circuit rider program, and to provide for local grants and research for
357 implementation of the commonwealth's sustainable water management initiative, including

358 grants and research to provide the data necessary for municipalities to invest in efficient and
359 effective mitigation practices to restore and preserve the commonwealth's water resources, assets
360 and infrastructure, and to provide for sustainable water management initiative related research
361 and implementation projects conducted by the department of fish and game and its divisions, and
362 to provide for the department's statewide air monitoring network, upgrades of air monitoring
363 equipment to comply with federal requirements, implementation of a water quality monitoring
364 network and eelgrass mapping to track water quality improvements, and to provide for
365 investments in water quality restoration of degraded estuarine habitat for projects deemed
366 consistent with a current area-wide water resources management plan adopted under section 208
367 of the federal Clean Water Act, 33 U.S.C. section 1288, and to fund pilot projects that test
368 innovative and green wastewater management technologies and approaches, and for sustainable
369 technologies at wastewater treatment facilities, for long-term monitoring and stewardship of
370 restoration projects developed under the oversight of natural resources damages trustees, and to
371 provide grants and technical assistance to public water suppliers for energy efficiency
372 improvements for drinking water systems, and to provide for municipal grants for water and air
373 quality protection, including to support training and workforce development for drinking water
374 and wastewater treatment facilities, and to support the preparation and implementation of
375 geographic response plans for the commonwealth's inland waterways, and to provide grants to
376 municipalities to support compliance with the federal municipal separate storm sewer system
377 permit; provided, that the secretary of energy and environmental affairs may provide guidance
378 for planning, prioritization, selection and implementation of projects in furtherance of the goals
379 of climate change mitigation and adaptation and consistent with the integrated state hazard
380 mitigation and climate change adaptation plan; provided further, that not less than \$1,000,000

381 shall be expended to increase the sewer main capacity in the town of Hopkinton; provided
382 further, that not less than \$1,000,000 shall be expended for the replacement of equipment at the
383 Springvale water treatment facility in the town of Natick; provided further, that not less than
384 \$480,000 shall be expended for improvements to culverts along Topsfield road in the town of
385 Wenham; provided further, that not less than \$500,000 shall be expended for the restoration of
386 the Miles river which runs through the towns of Hamilton, Ipswich, Wenham and the city of
387 Beverly; provided further, that not less than \$775,000 shall be expended for the replacement of
388 the town wharf sewer pumping station in the town of Ipswich; provided further, \$732,500 shall
389 be expended on the Westboro road, state highway route 30, sewer extension project in the town
390 of Grafton; provided further, that not less than \$3,000,000 shall be expended for design, planning
391 and preconstruction of a new water transmission main connecting the Massachusetts Water
392 Resources Authority's Arlington transmission main line with the town of Burlington; provided
393 further, that not less than \$750,000 shall be expended for coastal shoreline stabilization,
394 polychlorinated biphenyls, or PCB, removal and storm surge protection of the Newburyport
395 Clipper City Rail Trail for redesign and construction along the Merrimack river; provided
396 further, that not less than \$50,000 shall be expended to the town of Sherborn to conduct an
397 environmental impact study and related engineering at the intersection of Coolidge street and
398 Speen street; provided further, that not less than \$6,000,000 shall be expended for a smart sewer
399 project in the town of Littleton; provided further, that not less than \$2,000,000 shall be expended
400 for resurfacing, recoating and structural rehabilitation of all tank wells to maintain the water
401 treatment facility to provide safe drinking water for the city of Brockton and the towns of
402 Hanson and Whitman from Silver lake in the town of Kingston; provided further, that not less
403 than \$600,000 shall be expended for the installation of a cogeneration heating and cooling

404 system in the Beede Swim and Fitness Center in the town of Concord; provided further, that not
405 less than \$100,000 shall be expended for wetlands reclamation on the Fernald property in the city
406 of Waltham; provided further, that not less than \$1,000,000 shall be expended to design and
407 permit a sewer on United States highway route 20 in the town of Sudbury; provided further, that
408 not less than \$1,000,000 shall be expended for the planning, design, construction and other
409 associated costs for drainage improvements along state highway route 9 adjacent to Boulder
410 brook and Morse's pond in the town of Wellesley; provided further, that \$4,000,000 shall be
411 expended for removing hazardous materials and debris, demolition and redevelopment, sediment
412 soil excavation and removal and post-remediation groundwater monitoring of the former
413 Attleboro Dyeing and Finishing Corp. site, including the dam, sluiceway and industrial settling
414 ponds that abut the Ten-Mile river at 37 Maple avenue in the town of Seekonk; provided further,
415 that not less than \$300,000 shall be expended for the relocation and replacement of the
416 wastewater leach field at Nashoba regional high school in the town of Bolton; provided further,
417 that not less than \$1,000,000 shall be expended for sewerage development at Sholan Farms in the
418 city of Leominster; provided further, that not less \$350,000 shall be expended for the installation
419 of a solar panel roof array in the town of Berlin; provided further, that not less than \$1,000,000
420 shall be expended for the construction of a water treatment plant in the town of Topsfield;
421 provided further, that not less than \$1,000,000 shall be expended for wastewater treatment
422 upgrades in the city of Taunton; provided further, that not less than \$100,000 shall be expended
423 for the removal of the pump house at the Lower Mill pond in the city of Easthampton; provided
424 further, that not less than \$600,000 shall be expended for engineering, planning, construction and
425 related infrastructure for storm water drainage management at Westfield-Barnes Regional
426 Airport; provided further, that not less than \$400,000 shall be expended for drainage pipe and

427 structural repairs on Cayuga street in the town of Tewksbury; provided further, that \$5,000,000
428 shall be expended for water infrastructure improvements in the town of Hardwick; provided
429 further, that \$2,000,000 shall be expended for water and sewer improvements in the town of
430 Palmer including, but not limited to, the replacement of a sewer siphon, a generator and
431 expansion of the Palmer sewer system, installation of a centrifuge at the Palmer wastewater
432 treatment plant, replacement of a scum concentrator and the replacement of grinder pumps on
433 Lake Thompson; provided further, that \$2,000,000 shall be expended for extensions to the public
434 water line in the town of Sturbridge; provided further, that \$15,000 shall be expended for the
435 construction of a new well to provide drinking water for the town hall in the town of Phillipston;
436 provided further, that not less than \$1,500,000 shall be expended to the town of Millville for
437 water infrastructure improvements in the neighborhoods abutting Kempton road; provided
438 further, that not less than \$1,000,000 shall be expended on water infrastructure improvements to
439 increase the reliable water supply in the town of the Mendon; provided further, that \$1,000,000
440 shall be expended for improvements to the wastewater treatment facility in the town of
441 Southbridge; provided further, that \$250,000 shall be expended to the town of Dudley for the
442 expansion of a water main line to the town of Southbridge; provided further, that not less than
443 \$150,000 shall be expended for drainage and other town common improvements in the town of
444 Royalston; provided further, that not less than \$1,000,000 shall be expended for water and sewer
445 improvements in the town of Colrain; provided further, that not less than \$1,000,000 shall be
446 expended for planning, design and infrastructure improvements for wastewater treatment
447 facilities in the city of Northampton; and provided further, that not less than \$1,000,000 shall be
448 expended for planning, design and infrastructure improvements for drinking water systems in the
449 city of Northampton.....\$105,000,000

450 2200-7024 For discovery, assessment, containment, monitoring, cleanup and closure
451 of existing or closed solid waste facilities causing or threatening to cause pollution as authorized
452 by section 4 of chapter 21H of the General Laws, and for capital expenditure associated with
453 composting and recycling programs consistent with the comprehensive statewide solid waste
454 master plan authorized by section 21 of chapter 16 of the General Laws; provided, that not less
455 than \$1,000,000 shall be expended for the costs associated with the expansion of the Beaver
456 street recycling center in the city known as the town of Franklin.....\$7,500,000

457 2200-7016 For the assessment, containment, monitoring, cleanup, control, removal of
458 or response actions concerning oil or hazardous materials or for any other action necessary to
459 implement chapter 21E of the General Laws and the Massachusetts Contingency Plan; provided
460 further, that \$500,000 shall be expended for the Coastal Metals Brownfields Site Cleanup, the
461 closure of the landfill and the Bear Hill Culvert replacement and water infrastructure
462 improvements in the town of Merrimac; provided further, that \$500,000 shall be expended for
463 the demolition of the former Microfab building in the city known as the town of Amesbury;
464 provided further, that \$2,000,000 shall be expended to install a backup generator to the Greater
465 Lawrence Sanitary District's Riverside Pump Station to prevent the spill of untreated sewerage
466 into the Merrimack river in cases of long-term power outages; provided further, that \$400,000
467 shall be expended for the repair of town-owned property at Lead Mills in the town of
468 Marblehead to prevent the erosion of a landfill cap; provided further, that not less than \$100,000
469 shall be expended for the cleanup and removal of hazardous materials at parking garages in the
470 town of Sudbury; and provided further, that not less than \$1,000,000 shall be expended for an oil
471 spill cleanup at a developable site in the town of Sutton.....\$40,000,000

472

Department of Fish and Game

473 2300-0421 For the acquisition of land and interests in land by the department of fish
474 and game and for associated costs, including planning, studies, due diligence, title and appraisal
475 services, site restoration and stewardship; provided, that such lands may be purchased after
476 approval by the commissioner of fish and game; provided further, that funds may be expended
477 on the development and implementation of a stewardship program on lands under the care and
478 control of the department of fish and game and its divisions, either in rights in land or through
479 conservation easements or conservation restrictions including, but not limited to, resource and
480 land use monitoring, baseline documentation report creation, signage, boundary marking and
481 monitoring, stewardship planning, stewardship personnel, stewardship database development,
482 ecological monitoring and enforcement of conservation easements or conservation restrictions or
483 detection and resolution of encroachments on land owned and rights in land and repair of
484 damage related to illegal off-road vehicle trespass; provided further, that funds may be used for
485 inventory, restoration and reclamation of acquired land, including demolition of structures,
486 removal of debris, eradication of nonnative species and other services essential to these
487 reclamation efforts; provided further, that projects under such program may be carried out with
488 other governmental agencies and entities, nonprofit and conservation organizations and public
489 and private land owners; and provided further, that funds shall be expended for the Fishing
490 Innovation Fund established in chapter 10 of the General
491 Laws.....\$30,000,000

492 2300-7019 For planning, design, engineering, construction, reconstruction,
493 renovation, repair, demolition, acquisition, enhancements, improvements, removal and
494 replacement of the infrastructure, facilities and equipment under the care and control of the

495 department of fish and game and its divisions, including, but not limited to, buildings and other
496 structures, education centers, district headquarters, hatchery facilities, offices, storage buildings,
497 shooting ranges, archery facilities, dams, laboratories, equipment, vehicles, vessels and site
498 clearance; provided, that any such facilities supported by this item may incorporate energy
499 efficiency and renewable technologies to decrease energy use and greenhouse gas emissions,
500 such as solar, wind and geothermal power; provided further, that funds shall also be available for
501 investments for protection, remediation and restoration of aquatic and marine fisheries, wildlife
502 species, land and marine plants and the habitats that support them; and provided further, that the
503 secretary of energy and environmental affairs may provide guidance for planning, prioritization,
504 selection and implementation of projects in furtherance of the goals of climate change mitigation
505 and adaptation and consistent with the integrated state hazard mitigation and climate change
506 adaptation plan.....\$50,000,000

507 2300-7022 For river and wetland restoration programs in the division of ecological
508 restoration, the riverways program and the office of the commissioner of fish and game;
509 provided, that funds authorized by this item may be utilized for river, wetland and river corridor
510 revitalization, ecological restoration and protection of aquatic ecosystems and functions
511 throughout the commonwealth including, but not limited to, dam and barrier removal, instream
512 improvements, flow, water quality, riverine habitat, protection of high quality riparian and
513 wetland habitat, assessment and mitigation of threats from climate change, flooding and
514 improving recreational opportunities; provided further, that these costs may include, but shall not
515 be limited to, equipment to implement these programs; provided further, that the commissioner
516 or a designee may enter into cooperative agreements with state and federal government agencies
517 and municipalities, may contract for services related to this item including, but not limited to,

518 engineering and monitoring and may award grants to public and nonpublic entities to foster and
519 carry out this item; provided further, that \$131,000 shall be expended for a feasibility study for a
520 salt marsh restoration project at 0, 69, 73 and 77 Mashnee road and 88 Rocky Point road in the
521 town of Bourne; and provided further, that not less than \$500,000 shall be expended for habitat
522 restoration along the Monatiquot river in the city known as the town of Braintree; provided
523 further, that not less than \$250,000 shall be expended for the Merrimack Valley river project for
524 the purchase of a boat skimmer to clean the Merrimack river.....\$55,000,000

525 Department of Agricultural Resources

526 2500-7021 For the purpose of developing and implementing programs designed to
527 address agricultural economic and environmental sustainability, including the development and
528 implementation of farm viability plans and other technical and engineering assistance, urban
529 agriculture,including hydroponics, research, industry promotion, technology transfer and
530 education and to facilitate improvements to agricultural infrastructure, energy conservation and
531 efficiency and climate change adaptation and resiliency; provided, that \$4,000,000 shall be
532 expended on programs to promote urban agriculture and hydroponics, including grants to
533 municipalities and nonprofit organizations to acquire land for urban agriculture and for related
534 infrastructure, equipment and technical assistance, provided, that such expenditures benefit
535 recipient communities by promoting community, access to locally grown food, job creation,
536 small business development, agricultural training and youth development; provided further, that
537 funds shall be available to provide for short-term land covenants; provided further, that a grant
538 program shall be established to provide grants to public and nonpublic entities for the
539 development and implementation of new procedures for energy conservation and efficiency and
540 for renewable and alternative energy sources to assist the agricultural community to grow and

541 develop; provided further, that funds shall be available for a program to assist in the preservation
542 and rehabilitation of facilities and land resources of agricultural fairs through short-term
543 preservation covenants, grants, demonstration projects and other means; provided further, that
544 funds may be expended for infrastructure and equipment upgrades to prevent or reduce food
545 safety risk, programs to control invasive species and provide pesticide disposal, and programs to
546 support aquaculture, dairy digesters and agricultural composters; provided further, that funds
547 may be expended for the agricultural environmental enhancement program on the abatement of
548 all forms of pollution generated from agricultural activities; provided further, that funds may be
549 allocated by the commissioner through competitive grants pursuant to rules or regulations
550 adopted by the commissioner to implement this item; provided further, that not less than
551 \$300,000 shall be expended, in consultation with the department of agricultural resources and
552 division of marine fisheries, for the Southeastern Massachusetts Aquaculture Center at
553 Barnstable County Cooperative Extension, the Northeastern Massachusetts Aquaculture Center
554 at Salem State College and the Western Massachusetts Center for Sustainable Aquaculture at the
555 University of Massachusetts at Amherst; provided further, that not less than \$3,000,000 shall be
556 expended for the creation and development of an eastern regional center for urban sustainability
557 at Bristol county agricultural high school in the town of Dighton; provided further, that not less
558 than \$700,000 shall be expended for structural improvements to the Old Shepard dam in order to
559 manage initial repair and longer-term maintenance to maintain typical historical pool elevations;
560 provided further, that not less than \$1,000,000 shall be expended for the establishment of an
561 energy storage innovation institute at the Massachusetts clean energy center to promote energy
562 storage innovation in the commonwealth; provided further, that not less than \$300,000 shall be
563 expended for the greenhouse and farming initiatives at the Fowler-Clark farm in the Mattapan

564 section of the city of Boston; and provided further, that funds shall be expensed for the
565 Agricultural Innovation Fund established in chapter 10 of the General
566 Laws.....\$50,000,000

567 2511-0122 For a program to acquire agricultural preservation restrictions under
568 sections 23 to 26, inclusive, of chapter 20 of the General Laws; provided, that any person or
569 entity that receives funds from this item shall be encouraged to participate in programs of the
570 department of agricultural resources that may be suggested by the commissioner; provided
571 further, that funds may be used to develop a statewide farmland plan; provided further, that funds
572 may be used for the implementation of a stewardship program on agricultural preservation
573 restriction lands including, but not limited to, resource and land use monitoring, boundary
574 delineation and monitoring, stewardship planning, ecological monitoring and enforcement of
575 agricultural preservation restrictions on existing and newly acquired agricultural preservation
576 restriction properties and the creation of new opportunities to enhance the sustainability and
577 viability of such properties; and provided further, that funds may be used to develop a statewide
578 farmland plan\$20,000,000

579 Department of Conservation and Recreation

580 2000-7079 For natural resource restoration and protection and in compliance with
581 laws and regulations, and for purposes of improvements and costs associated with site
582 assessment, containment, cleanup, control, disposal, removal or exchange of or response actions
583 concerning hazardous materials or substances; provided, that not less than \$6,000,000 shall be
584 expended for environmental justice projects in the city of Framingham; provided further, that not
585 less than \$200,000 shall be expended to delead and repaint the bridge on Cliff road over the

586 railroad tracks in the town of Wellesley; provided further, that not less than \$30,000 shall be
587 expended for an asbestos and lead removal project at the Fitchburg library in the city of
588 Fitchburg; and provided further, that not less than \$465,000 shall be expended for an asbestos
589 and lead removal project at the Clinton Senior Center in the town of
590 Clinton.....\$75,500,000

591 2800-1121 For the acquisition of land and interests in land by the department of
592 conservation and recreation and for associated costs, including planning, study, due diligence,
593 title and appraisal services, site restoration and stewardship, including, but not limited to, coastal
594 land acquisition and securing access to protected coastal lands, including barrier beaches that
595 separate great ponds from the Atlantic Ocean, and lands to provide for the inland movement of
596 coastal habitats; provided, that funds may be used for development and implementation of a
597 stewardship program on lands under the care and control of the department including, but not
598 limited to, resource and land use monitoring, signage, boundary delineation and monitoring,
599 preparation of baseline documentation, stewardship planning, ecological monitoring and
600 enforcement of conservation restrictions or detection and resolution of encroachments on land
601 owned and rights in land and repair of damage to property related to illegal uses, including off-
602 road vehicle trespass; and provided further, that funds may be used for inventory, restoration and
603 reclamation of acquired land, including demolition of structures, removal of debris, eradication
604 of non-native species and other services essential to these reclamation
605 efforts.....\$40,000,000

606 2800-7020 For natural resource restoration and protection, including protection and
607 rehabilitation of lakes, ponds, rivers and streams and associated watersheds, and for
608 improvements and costs associated with site assessment, containment, cleanup, control, removal

609 of or response actions concerning hazardous materials or substances at forests, parks,
610 reservations, waterbodies and other properties of the department of conservation and recreation;
611 provided, that the secretary of energy and environmental affairs may provide guidance for
612 planning, prioritizing, selecting and implementing projects in furtherance of the goals of climate
613 change mitigation and adaptation and consistent with the integrated state hazard mitigation and
614 climate change adaptation plan.....\$20,000,000

615 2800-7014 For the design, construction, reconstruction, improvement or rehabilitation
616 of department or navigable coastal and inland waterways projects including, but not limited to,
617 design, permitting, operation, maintenance of waterways, operation and maintenance of state
618 piers, coastal protection, dredging, river and stream cleaning, coastal structure maintenance,
619 piers, dune stabilization, culvert repair, renourishment, erosion control and implementing nature-
620 based solutions, waterfront access and transportation improvements and improvements to related
621 facilities and equipment; provided, that funds from this item may be expended to support state
622 coordination with a cooperative federal-state program with the United States Geological Survey
623 in the United States Department of the Interior, for continuous data collection and analysis
624 regarding water resources; provided further, that the secretary of energy and environmental
625 affairs may provide guidance for planning, prioritizing, selecting and implementing projects in
626 furtherance of the goals of climate change mitigation and adaptation and consistent with the
627 integrated state hazard mitigation and climate change adaptation plan; provided further, that not
628 less than \$1,500,000 shall be expended for the design and construction of a forebay on Indian
629 Lake in Worcester; provided further, that not less than \$5,500,000 shall be expended for the
630 preservation of historic naval vessels berthed in Battleship Cove in the city of Fall River;
631 provided further, that not less than \$120,000 shall be provided to the town of Mount Washington

632 for repairs to the guard-railed culvert of the southern intersection of East street and West street;
633 provided further, that not less than \$500,000 shall be expended for the city of Everett for
634 stormwater restoration of North and South creeks that flow into the Malden river for dredging
635 and restoration of ecology; provided further, that not less than \$1,000,000 shall be expended for
636 the city of Everett to daylight a portion of the Island End river; provided further, that not less
637 than \$600,000 shall be expended for headwall and culvert repairs on Andover street, Hood road
638 and Lower Pinnacle street in the town of Tewksbury; provided further, that not less than
639 \$1,750,000 shall be expended for culvert repair and restoration in the city known as the town of
640 Dracut; provided further, that not less than \$1,000,000 shall be expended for the Merrimack and
641 Shawsheen river access project in the town of Andover; provided further, that \$685,000 shall be
642 expended for the dredging of Laurel Park pond in the town of Longmeadow; provided further,
643 that not less than \$350,000 shall be expended for improvements to Magnolia Pier in the city of
644 Gloucester; provided further, that not less than \$800,000 shall be provided to the city of Pittsfield
645 for repairs to the Dan Casey Memorial drive culverts; and provided further, that not less than
646 \$800,000 shall be expended to the city of Melrose for costs associated with dredging First
647 pond.....\$26,000,000

648 2800-7025 For the design, construction, reconstruction, rehabilitation, retrofitting,
649 repair or removal of state-owned dams for which emergency action or statewide hazard
650 mitigation is required, and for inland flood control projects and projects for related facilities and
651 equipment, including, but not limited to, seawalls, jetties, revetments and retaining walls, with
652 equal consideration given to beach nourishment and nature-based solutions on state-owned land
653 or related to state climate change adaptation and preparedness or for which emergency action or
654 statewide hazard mitigation is required; provided, that the department of conservation and

655 recreation shall give priority to dams and flood control projects that pose the greatest risk to
656 public health or safety, or to the environment; provided further, that funds shall be available for a
657 program of planning, permitting and construction of fish ways and other aquatic habitat
658 improvements, including the removal or breaching of selected dams and impoundments on state-
659 owned land and waterways; provided further, that such projects shall include those which
660 maintain or improve coastal access; provided further, that the secretary of energy and
661 environmental affairs may provide guidance for planning, prioritizing, selecting and
662 implementing projects in furtherance of the goals of climate change mitigation and adaptation
663 and consistent with the integrated state hazard mitigation and climate change adaptation plan;
664 provided further, that not less than \$200,000 shall be expended to complete a pumping capacity
665 evaluation of the Amelia Earhart dam; and provided further, that not less than \$2,000,000 shall
666 be expended to purchase and install a fourth pump at the Amelia Earhart dam on the Mystic
667 river.....\$105,000,000

668 2800-7031 For the protection and rehabilitation of lakes, ponds, rivers and streams
669 and associated watersheds including, but not limited to, assistance and grant programs under
670 sections 37A to 37D, inclusive, of chapter 21 of the General Laws; provided, that such programs
671 shall include, without limitation, technical assistance, studies, preservation, environmental
672 improvements, including the removal of aquatic invasive plants, and associated costs; provided
673 further, that \$30,000 shall be expended to conduct a feasibility study on the eradication of zebra
674 mussels at Laurel lake in the town of Lee; provided further, that not less than \$1,000,000 shall be
675 expended for flooding control, dredging and eradication of non-native plant species of Canal
676 brook, an outlet of Lake Congamond; provided further, that not less than \$254,000 shall be
677 expended to the Webster Lake Association, Inc. for invasive species mitigation in Lake

678 Chargoggagogmanchauggagoggchaubunagungamaugg in the town of Webster; and provided
679 further, that not less than \$100,000 shall be expended for weed eradication on the Nashua river in
680 the city of Fitchburg\$10,000,000

681 2840-7025 For the planning, design, construction, reconstruction, repair, removal,
682 demolition, improvement, furnishing, equipping or rehabilitation of department reservations,
683 forests, parks, campgrounds, comfort stations, harbor islands, skating rinks, skate parks,
684 swimming and wading pools, spray parks, golf courses, tennis courts, basketball courts, ball
685 fields, playgrounds, exercise and fitness paths, tracks, other recreational facilities, historic sites,
686 beaches and related facilities, storage buildings, office buildings, visitor centers, fire towers,
687 maintenance facilities and other park buildings and structures, and equipment, including
688 upgrades to information technology equipment to be considered in consultation with the
689 secretary of technology services and security, and for the planning, design, acquisition,
690 construction, reconstruction, repair, removal, improvement or rehabilitation of department bike
691 paths, greenways, recreational trails and related facilities and equipment; provided, that the
692 secretary of energy and environmental affairs may provide guidance for planning, prioritizing,
693 selecting and implementing projects in furtherance of the goals of climate change mitigation and
694 adaptation and consistent with the integrated state hazard mitigation and climate change
695 adaptation plan; provided further, that the department of conservation and recreation may expend
696 funds for technical assistance and grants to cities and towns in accordance with rules or
697 regulations adopted by the department to implement this item; provided further, that the
698 department of conservation and recreation shall conduct a study on the feasibility to repair and
699 reuse as of the Havey beach property in the West Roxbury section of the city of Boston;
700 provided further, that the study shall evaluate the feasibility of repairing and reusing the property

701 to create an outdoor recreation center and investigate potential public and private partnerships for
702 funding such a project; provided further, that not less than \$150,000 shall be expended for the
703 feasibility study; provided further, that not less than \$3,000,000 shall be expended for the
704 construction of the Roslindale Gateway path located in the Roslindale section of the city of
705 Boston; provided further, that any funds expended under this item or item 2840-7024 authorized
706 pursuant to chapter 286 of the acts of 2014 for capital improvements to the Horseneck Beach
707 State Reservation in the town of Westport shall be subject to the restriction that the department
708 shall not relocate any of the existing 32 waterfront campsites at the Horseneck Beach
709 campgrounds as a result of such improvements; provided further, \$1,681,000 shall be expended
710 for the athletic field project in the town of Millbury; provided further, \$528,000 shall be
711 expended for the rehabilitation of Round Pond in the town of Millbury; provided further, that
712 \$1,000,000 shall be expended for park and playground improvements in the town of Auburn;
713 provided further, that not less than \$1,000,000 shall be expended for Mill brook bank
714 stabilization in the town of Arlington; provided further, that not less than \$1,000,000 shall be
715 expended for Mill brook culvert and outfall repair and improvement in the town of Arlington;
716 provided further, that not less than \$2,300,000 shall be expended for the construction of the
717 outdoor center, campgrounds, recreational trail system and event parking area at the Greylock
718 glen in the town of Adams; provided further, that \$1,000,000 shall be expended for the planning
719 and construction of a park in the Mildred C. Hailey apartments in the Jamaica Plain section of
720 the city of Boston; provided further, that not less than \$400,000 shall be expended for renovation
721 of the tot lot, passive areas and athletic field at the Crawford street playground in the city of
722 Boston; provided further, that not less than \$1,000,000 shall be expended for the design and
723 construction of improvements to the Southern New England Trunkline trail in the city known as

724 the town of Franklin; provided further, that not less than \$20,000 shall be expended for the trail
725 system to connect between Queset Commons and North Easton Village to provide pedestrian
726 access in the town of Easton; provided further, that not less than \$400,000 shall be expended for
727 rehabilitation of playgrounds in the town of Wayland; provided further, that not less than
728 \$1,575,000 shall be expended for improvements to Fellsmere park in the city of Malden;
729 provided further, that not less than \$300,000 shall be expended for planning and construction of
730 a recreational area at 40 to 48 Geneva avenue, inclusive, in the Grove Hall section of the
731 Roxbury section of the city of Boston; provided further, that not less than \$1,500,000 shall be
732 expended for the city of Chelsea for a new waterfront park if the city of Chelsea provides a 30
733 per cent match toward the new waterfront park; provided further, that not less than \$1,000,000
734 shall be expended for the city of Cambridge for environmental remediation and renovation of
735 Binney street park; provided further, that \$2,500,000 shall be expended for the purposes of
736 repair, improvements and restoration at Larz Anderson park in the town of Brookline; provided
737 further, that \$1,700,000 shall be expended for the repair, improvements and restoration of parks,
738 playgrounds and recreation areas in the city of Newton; provided further, that \$1,000,000 shall
739 be expended to the city of Lynn for reconstructing and making improvements to Lynn Heritage
740 State Park; provided further, that \$1,300,000 shall be expended for the feasibility, design and
741 permitting of the Bourne rail trail shared-use path along the Massachusetts Department of
742 Transportation rail line right-of-way from the existing Shining Sea bike path in the town of
743 North Falmouth to the Cape Cod canal in the town of Bourne; provided further, that \$1,700,000
744 shall be expended for the Forest River Pool and Shoreline/Tidal Restoration Project by the city
745 of Salem; provided further, that not less than \$900,000 shall be deposited into the Castle Island
746 and Marine Park Trust Fund established in section 35III of chapter 10 of the General Laws;

747 provided further, that not less than \$2,000,000 shall be expended for improvements to Squantum
748 Point park in the city of Quincy for the planning, design, engineering and construction associated
749 with readying the park and its pier for ferry service; provided further, that not less than \$500,000
750 shall be expended for improvements to the Ames Nowell state park in the town of Abington,
751 including the development of a master plan and the planning, design and engineering costs
752 associated with the implementation of that plan; provided further, that \$750,000 shall be
753 expended for drainage upgrades for municipally-owned recreation field improvements and for
754 playground upgrades in the city of Methuen; provided further, that not less than \$500,000 shall
755 be expended for maintenance and improvements for Hampton Ponds state park in the city of
756 Westfield; provided further, that not less than \$500,000 shall be expended for maintenance and
757 improvements for Mount Tom state reservation in the city of Holyoke; provided further, that not
758 less than \$100,000 shall be expended for maintenance and improvements to Granville state forest
759 in the town of Granville; provided further, that not less than \$250,000 shall be expended for
760 maintenance and improvements to Robinson state park in the city known as the town of
761 Agawam; provided further, that not less than \$100,000 shall be expended for maintenance and
762 improvements to Tolland state forest in the town of Tolland; provided further, that not less than
763 \$100,000 shall be expended for the maintenance of and improvements to the Gerald J. Mason
764 Memorial pool and fields in the city known as the town of Agawam; provided further, that not
765 less than \$100,000 shall be expended for the maintenance of and improvements to the Sarah Jane
766 Sherman swimming pool in the city of Chicopee; provided further, that \$175,000 shall be
767 expended for the resurfacing of the track and tennis courts at the Belchertown public schools
768 complex in the town of Belchertown; provided further, that \$150,000 shall be expended for or
769 the repair and replacement of bleachers in Whitney park in the city of Ludlow; provided further,

770 that \$250,000 shall be expended for the development of a kayak and canoe launch on the
771 Chicopee river adjacent to Fuller road in the city of Chicopee, including floating docks at the
772 river with equipment that allows physically challenged individuals to launch their watercraft, and
773 access the dock system with needed equipment to facilitate boarding watercraft from a
774 wheelchair; provided further, that \$4,500,000 shall be expended to build or upgrade Camp STAR
775 Angelina Administration Lodge, Forest Park Comfort Shelter and the Horticultural Training
776 Center in Forest park to ensure that park structures are energy efficient in the city of Springfield;
777 provided further, that \$240,000 shall be expended for upgrades to the play unit and lighting in
778 Greenleaf park in the city of Springfield; provided further, that not less than \$2,000,000 shall be
779 expended for Ryan playground in the Charlestown section of the city of Boston to support the
780 design and implementation of flood resilience; provided further, that not less than \$1,000,000
781 shall be expended for repairs and improvements to Foss park in the city of Somerville; provided
782 further, that \$100,000 shall be expended for improvements to Howe state park in the town of
783 Spencer; provided further, that \$100,000 shall be expended for improvements to Moore state
784 park in the town of Paxton; provided further, that notwithstanding any general or special law to
785 the contrary, the department may expend funds for a 1-time paving of Cushing Park road, a
786 private way in the town of Scituate which provides access to Cushing Memorial state park;
787 provided further, that not less than \$950,000 shall be expended for improvements to Hunt park,
788 Memorial park, Washington park, Symmonds way and Sturges park in the town of Reading; and
789 provided further, that not less than \$250,000 shall be expended for the planning, design,
790 construction and programming of an indoor golf facility at the site of the former Boston State
791 Hospital in the Mattapan section of the city of Boston.....\$420,000,000

792 2890-7034 For the planning, design, construction, reconstruction, repair,
793 improvement or rehabilitation of department of conservation and recreation parkways,
794 boulevards, multi-use trails, internal state park roads and recreational trails, pedestrian bridges
795 and related appurtenances and equipment including, but not limited to, the costs of planning,
796 design and engineering and other services for those projects rendered by commonwealth
797 employees or by consultants; provided, that funds may be expended for pedestrian and bicycle
798 safety, traffic calming, landscape improvements, street lighting, safety equipment and
799 accessibility; provided further, that all work funded by this item shall be carried out according to
800 standards developed by the department pursuant to historic parkways preservation treatment
801 guidelines to protect the scenic and historic integrity of the bridges and parkways under its
802 control; provided further, that the secretary of energy and environmental affairs may provide
803 guidance for planning, prioritization, selection and implementation of projects in furtherance of
804 the goals of climate change mitigation and adaptation and consistent with the integrated state
805 hazard mitigation and climate change adaptation plan; provided further, that not less than
806 \$2,000,000 shall be expended for the planning, design and construction of a trail and any related
807 structures and infrastructure in dedication to former Representative Chris Walsh in the city of
808 Framingham; provided further, that not less than \$2,000,000 shall be expended for the Upper
809 Charles bike trail in the town of Ashland; provided further, that not less than \$3,000,000 shall be
810 expended for improvements to the intersection of Walter street and Centre street in the
811 Roslindale section of the city of Boston; provided further, that \$500,000 shall be expended to
812 extend the James J. Fiorentini rail trail and further construct access infrastructure to the
813 Merrimack river in the city of Haverhill; provided further, that not less than \$500,000 shall be
814 expended to the South Coast Bikeway Alliance, Inc. for the feasibility study, design and

815 construction of the Southcoast Scenic Greenway project in the cities of Fall River and New
816 Bedford and the towns of Dartmouth and Westport; provided further, that not less than \$15,000
817 shall be expended to the town of Millis to replace existing water booster pump station; provided
818 further, that not less than \$2,000,000 shall be expended for the design, acquisition and
819 construction of multipurpose trails in the town of Natick; provided further, that not less than
820 \$175,000 shall be expended to the towns of Stoneham and Winchester for pedestrian and bicycle
821 safety, traffic calming, landscape improvements, street lighting, safety equipment and
822 accessibility improvements on the Tri-Community Greenway; provided further, that \$2,000,000
823 shall be expended for improvements to the Southwest Corridor park in the city of Boston;
824 provided further, that not less than \$700,000 shall be awarded to the town of Sherborn for the
825 acquisition of the CSX property north of Whitney street and converting it to a rail trail; provided
826 further, that not less than \$2,000,000 shall be expended for expanding greenspaces within the 5
827 corners area of the city of Lawrence; provided further, that not less than \$800,000 shall be
828 expended for the completion of the downtown corridor phase of the Columbia Greenway project
829 in the city of Westfield; provided further, that \$850,000 shall be expended for the construction of
830 a bike path in the town of Southampton; provided further, that not less than \$104,813 shall be
831 expended for stormwater improvements to the police station parking lot in the town of Milton;
832 provided further, that not less than \$250,000 shall be expended for planning, development and
833 construction of a foot bridge at Good Harbor beach in the city of Gloucester; provided further,
834 that not less than \$500,000 shall be expended for developing the Bartlett pond trail in the town of
835 Lancaster; provided further, that not less than \$900,000 shall be expended for developing the
836 Rollstone hill trail in the city of Fitchburg; provided further, that \$2,000,000 shall be expended
837 for improvements to the Southwest Corridor park in the city of Boston; provided further, that not

838 less than \$1,000,000 shall be expended for planning, design and infrastructure improvements for
839 the Rocky Hill bike path in the city of Northampton; and provided further, that not less than
840 \$5,000,000 shall be expended for costs associated with the design, improvements and restoration
841 of the Charlesgate Park in the city of Boston.....\$160,000,000

842 SECTION 2A.

843 EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS

844 Office of the Secretary

845 2000-7080 For implementation of the integrated state hazard mitigation and climate
846 change adaptation plan; provided, that the secretary of energy and environmental affairs shall
847 give priority to critical actions and strategies identified in the plan.....\$100,000,000

848 2000-7081 For the municipal vulnerability preparedness grant program to support and
849 provide technical assistance for cities and towns to complete climate-related vulnerability
850 assessments, develop action-oriented resiliency plans and complete integrated climate change
851 adaptation plans and local hazard mitigation plans and to implement local and regional
852 adaptation solutions identified through such plans, including changes to policies, bylaws and
853 plans, municipal infrastructure improvements, repairs to address vulnerability and improve
854 resiliency and nature-based climate adaptation strategies that are defined as strategies that
855 conserve, restore and employ the natural resources of the commonwealth to enhance climate
856 adaptation, build resilience and support mitigation; provided, that such funds may be used on
857 lands held by municipal, state or federal agencies or other governmental bodies, on lands held by
858 nonprofit conservation organizations or on private lands with the consent of the owner and
859 subject to covenants that shall assure the continued presence and effectiveness of such projects

860 for the expected life of the projects; provided further, that the use of such funds by municipal
861 governmental bodies on lands held by nonprofit conservation organizations or on private lands
862 shall require the affirmative vote of a majority of all the members of the city council in a city
863 having a Plan D or Plan E charter, the vote of the city council in a city not having such a charter,
864 subject to the charter of such a city, and the majority vote of the selectboard in a town; provided
865 further, that such funds may be used for a municipality, or municipalities in the same region, to
866 appoint and retain a regional coordinator to oversee sustainability, resiliency and climate
867 adaptation programs in the region and to liaise with utilities and government agencies to
868 coordinate long-term planning and identify grid-hardening and modernization opportunities and
869 methods; and provided further, that such funds may be used for municipal and consumer costs
870 associated with undergrounding electric distribution lines where the project is intended to
871 improve reliability in wind and winter weather events.....\$75,000,000

872 2000-7084 To capitalize the Global Warming Solutions Trust Fund established in
873 section 35GGG of chapter 10 of the General Laws.....\$5,000,000

874 2000-7085 For the climate change science and data program to support the
875 development and maintenance of data including statewide, basin scale and other relevant climate
876 change projections and data, the establishment of datasets to track and monitor ongoing impacts
877 from climate change and the maintenance and expansion of the climate change clearinghouse
878 data and tools available to cities and towns and the regional planning agencies that support them;
879 provided, that any expenditures for communication and technology equipment under this item
880 shall be considered in consultation with the secretary of technology services and
881 security.....\$10,000,000

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Department of Environmental Protection

2200-7019 For the electric vehicle incentive program to provide grants to public entities to acquire passenger plug-in vehicles for fleets, install charging stations for public electric vehicles, and promote the establishment of vehicle charging stations; provided further, that \$5,000,000 shall be expended for the electric vehicle incentive program to provide matching grants to employers to install electric vehicle charging stations at workplaces; provided further, that not less than \$24,000 shall be expended for the installation of electric vehicle charging stations at public buildings in the town of Concord; provided further, that not less than \$14,500 shall be expended for a community electric vehicle consumer awareness and education program in the town of Concord; and provided further, that not less than \$300,000 shall be expended for upgrading and expanding the electric public school bus fleet in the town of Concord.....\$9,000,000

EXECUTIVE OFFICE OF PUBLIC SAFETY AND SECURITY

Office of the Secretary

8000-2007 For the development and support of climate-oriented emergency response and natural hazard preparedness programs and climate change coordination with the executive office of energy and environmental affairs.....\$6,000,000

SECTION 2B.

OFFICE OF THE TREASURER AND RECEIVER GENERAL

0620-1002 For the Massachusetts Clean Water Trust established in section 2 of chapter 29C of the General Laws for deposit in the Water Pollution Abatement Revolving Fund

903 established in section 2L of chapter 29 of the General Laws for application by the trust to the
904 purposes specified in section 5 of said chapter 29C, any portion of which may be used as a
905 matching grant by the commonwealth to federal capitalization grants received under Title VI of
906 the federal Clean Water Act or for deposit in the Drinking Water Revolving Fund established in
907 section 2QQ of said chapter 29 for application by the trust to the purposes specified in section 18
908 of said chapter 29C, any portion of which may be used as a matching grant by the
909 commonwealth to federal capitalization grants received under the federal Safe Drinking Water
910 Act.....\$60,333,000

911 SECTION 2C.

912 EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS

913 Office of the Secretary

914 2000-7061 For a tree planting greening program for projects throughout the
915 commonwealth on publicly-owned land including, but not limited to, the evaluation and planning
916 of tree greening projects, tree stock and planting and the care and protection of urban street trees;
917 provided, that the secretary shall give priority to the planting of trees in cities or towns with a
918 completed tree management plan; provided further, that the secretary shall issue grants to cities
919 and towns to achieve the purposes of this item; provided further, that not less than \$1,000,000
920 shall be provided to the city of Boston for the planting of new trees in the South Boston,
921 Dorchester, Mattapan and Hyde Park sections of the city and for the creation of a Geographic
922 Information System, geocoded inventory and condition assessment of the city's trees by a
923 licensed arborist.....\$10,000,000

924 2000-7064 For a program to be administered by the secretary of energy and
925 environmental affairs to acquire land for the purposes of open space, recreation and
926 conservation, to be protected pursuant to Article 97 of the Amendments to the Constitution;
927 provided, that the lands are located near or adjacent to the mean high water mark of coastal
928 areas, on coastal barrier beaches or in coastal high risk flooding zones and the lands or structures
929 thereon have suffered or are projected to be subject to repeated damage from flooding, storm
930 surges, wave action or erosion caused by ocean waves or waters or are otherwise impacted or
931 projected to be impacted catastrophically by extreme weather events, astronomical high tides or
932 elevated sea levels related to climate change and cause a substantial risk to public health, public
933 safety or the environment; provided further, that funds may be used to purchase adjoining coastal
934 parcels next to such acquired land or any other Article 97 coastal land to achieve the purposes of
935 this item; provided further, that grants may be made to cities and towns to acquire such coastal
936 lands for the purposes of this item and may as a condition of any grant require the municipality
937 to hold title to the acquired land jointly with the commonwealth under the terms of the grant; and
938 provided further, that funds from this item shall not be used to compensate land owners for lands
939 taken by eminent domain..... \$30,000,000

940 2000-7077 For the acquisition, development, construction and improvement of parks
941 in urban and suburban neighborhoods currently underserved with parks and that are consistent
942 with attainment of environmental equity, including community engagement and planning related
943 to these parks; provided, that funds shall be available for the completion of urban forestry and
944 tree planting projects, assessment and remediation of brownfield and grayfield sites intended for
945 reuse as parks, drafting of architectural renderings, construction documents and other technical
946 documents necessary for parks construction, acquisition of land or interests in land, including

947 rail-banked corridors, for the creation of parks pursuant to Article 97 of the Amendments to the
948 Constitution and for the construction, rehabilitation and improvement of parks including, but not
949 limited to, all related facilities, landscaping, monuments and features, parking areas and
950 roadways; provided further, that the secretary of energy and environmental affairs may issue
951 grants to public and nonpublic entities to implement these projects; provided further, that the
952 secretary may provide guidance for planning, prioritization and selection of parks to promote
953 environmental equity and in furtherance of the goals of climate change mitigation and adaptation
954 and consistent with the integrated state hazard mitigation and climate change adaptation plan;
955 provided further, that not less than \$250,000 shall be expended for the restoration of Old Village
956 cemetery in the town of Dedham; provided further, that \$500,000 shall be expended for
957 brownfield site reclamation and cleanup at 2040 Providence road in the town of Northbridge;
958 provided further, that \$2,500,000 shall be expended to reopen the access park road in Blunt park
959 between Roosevelt avenue and Tapley street in the city of Springfield and for improvements,
960 including LED lighting, pedestrian and bikeways and road materials of impervious asphalt
961 protecting the adjacent wetlands; provided further, that not less than \$250,000 shall be expended
962 for the completion of the feasibility study for the Wakefield and Lynnfield rail trail in the towns
963 of Wakefield and Lynnfield; provided further, that not less than \$250,000 shall be expended for
964 the renovations to Fournier park in the city of Leominster; provided further, that not less than
965 \$900,000 shall be expended for the development of Omelia park in the city of Gardner; provided
966 further, that not less than \$80,000 shall be expended for the removal and replacement of the town
967 common's sidewalks in the town of Townsend; provided further, that not less than \$1,000,000
968 shall be expended for maintenance and improvements to Holyoke Heritage state park in the city
969 of Holyoke; provided further, that not less than \$1,000,000 shall be expended to the city of

970 Boston for the planning, construction and maintenance of the Coppen’s Square fountain
971 renovation and beautification project; provided further, that not less than \$300,000 shall be
972 expended for the planning and construction of public access, recreation and landscaping
973 improvements on lands of the commonwealth along the Neponset river adjacent to Edgewater
974 drive in the Mattapan section of the city of Boston; provided further, that not less than \$250,000
975 shall be expended for improvements including, but not limited to, paving, basketball court and
976 wading pool upgrades at Ryan Playground on River street in the city of Boston; and provided
977 further, that not less than \$2,000,000 shall be expended on the planning, construction and
978 maintenance of the Dot Greenway, located above the Massachusetts Bay Transportation
979 Authority’s red line tunnel cap between Talbot avenue and Park street in the Dorchester section
980 of the city of Boston.....\$60,000,000

981 2000-7078 For investment in trails to include planning, engineering, design,
982 permitting, construction, repair, technical assistance and improvement of trails and the
983 acquisition of property interests for trail purposes; provided, that funds may be granted at the
984 discretion of the secretary of energy and environmental affairs to public and non-public entities
985 including municipalities, regional planning agencies and non-profit organizations or expended
986 directly by the executive office of energy and environmental affairs and its departments and
987 division; provided further, that trails are to be broadly defined to include water, recreational,
988 multi-use and motorized for use by recreational and snow vehicles and may be paved, improved,
989 natural surface or on-road for limited distances when necessary to make key connections;
990 provided further, that any project funded under this item is to be open to the public; provided
991 further, that wherever practicable, property interests acquired are to be permanently conserved
992 such that the trail thereon is permanently accessible to the public, but may be long-term leases

993 where necessary to advance trail projects; provided further, that a match from the funding
994 recipient, which may include in-kind match, may be required at the discretion of the secretary of
995 energy and environmental affairs; provided further, that funds expended from this item for the
996 cost of employees shall not exceed 5 per cent of funds expended from this item in any fiscal
997 year; provided further, that not less than \$1,000,000 shall be expended for planning and design,
998 engineering and construction of the community center to Lexington high school greenways
999 connector in the town of Lexington; provided further, that \$500,000 shall be expended for trail
1000 linkages and for trail projects, including design and construction of infrastructure, for the
1001 creation of the Highlands footpath between the towns of Lee and Goshen; provided further, that
1002 not less than \$800,000 shall be expended to identify, develop, map, market and construct trails
1003 for the purpose of mountain biking in Berkshire, Hampshire, Franklin and Hampden counties;
1004 provided further, that not less than \$250,000 shall be expended for the completion of the
1005 feasibility study for the Wakefield-Lynnfield Rail Trail in the town of Wakefield and in the town
1006 of Lynnfield; provided further, that \$500,000 shall be expended for the design and engineering of
1007 the North Adams adventure trail in the city of North Adams; provided further that \$1,000,000
1008 shall be expended to build or upgrade the woodland trails systems in Forest park, Blunt park and
1009 Van Horn park; provided further, that not less than \$100,000 shall be expended to the towns of
1010 Dudley and Webster for improvements to the Quinnebaug rail trail; and provided further, that not
1011 less than \$46,000 shall be expended to the town of Sutton for the expansion of and
1012 improvements to the trails at Marion's Camp.....\$25,000,000

1013 Department of Conservation and Recreation

1014 2800-7023 For a forestry and tree planting program for projects throughout the
1015 commonwealth including, but not limited to, the evaluation and planning of forestry and tree

1016 planting projects, tree stock and planting and the care and protection of trees and forests;
1017 provided, that the secretary of energy and environmental affairs shall give priority to the planting
1018 of trees in areas experiencing heat island effects, underserved with tree cover, affected by severe
1019 weather events or insect infestation, in areas where aquifers, recharge areas, wells, reservoirs and
1020 other water bodies are located that will improve and protect water quality as part of a natural
1021 ecosystem and in furtherance of environmental equity, climate change mitigation, adaptation and
1022 resiliency strategies; provided, that the secretary shall provide guidance for coordination between
1023 municipal and utility stakeholders on incorporating utility gas leaks data into planning for street
1024 tree planting projects and for testing street tree pits for methane before planting; provided
1025 further, that funds from this item may be expended to provide technical assistance and support to
1026 landowners to engage in sustainable forest management and long-term conservation practices
1027 and to undertake projects and activities to protect the ecological integrity of the commonwealth's
1028 forestlands under the forest vision plan; provided further, that not less than \$220,000 shall be
1029 expended for the Elm street culvert replacement effort in the town of Canton; and provided
1030 further, that not less than \$900,000 shall be expended for the recreation department of town of
1031 Milton.....\$25,000,000

1032 SECTION 2D.

1033 MASSACHUSETTS DEPARTMENT OF TRANSPORTATION

1034 6121-1315 For the complete streets program established pursuant to chapter 90I of the
1035 General Laws for complete streets grants to municipalities; provided, that not less than 33 per
1036 cent of the grants awarded shall be issued to cities and towns with a median household income
1037 below the average of the commonwealth.....\$55,000,000

1038 SECTION 2E.

1039 MASSACHUSETTS DEPARTMENT OF TRANSPORTATION

1040 *Highway Division*

1041 6121-1715 For projects on the interstate and non-interstate federal highway system;
1042 provided, that funds may be expended for the costs of these projects including, but not limited to,
1043 the nonparticipating portions of these projects and the costs of engineering and other services
1044 essential to these projects; provided further, that notwithstanding this act or any other general or
1045 special law to the contrary, the department shall not enter into any obligations for projects that
1046 are eligible to receive federal funds under this act unless state matching funds exist that have
1047 been specifically authorized and are sufficient to fully fund the corresponding state portion of the
1048 federal commitment to fund these obligations; and provided, further, that the department shall
1049 only enter into obligations for projects under this act based upon a prior or anticipated future
1050 commitment of federal funds and the availability of corresponding state funding authorized and
1051 appropriated for this use by the general court for the class and category of project for which this
1052 obligation applies..... \$992,000,000

1053 SECTION 3. Chapter 10 of the General Laws is hereby amended by inserting after
1054 section 35FFF the following 5 sections:-

1055 Section 35GGG. (a) There shall be a Global Warming Solutions Trust Fund into which
1056 shall be deposited: (i) any revenues or other financing sources directed to the fund by
1057 appropriation; (ii) bond revenues or other monies authorized by the general court and specifically
1058 designated to be credited to the fund; (iii) any income derived from the investment of amounts
1059 credited to the fund or repayment of loans from the fund; (iv) funds from public or private

1060 sources including, but not limited to, gifts, federal or private grants, donations, rebates and
1061 settlements received by the commonwealth that are specifically designated to be credited to the
1062 fund; and (v) all other amounts credited or transferred into the fund from any other source. The
1063 fund shall be administered by the secretary of energy and environmental affairs.

1064 (b) Amounts credited to the fund may be used, without further appropriation, to provide
1065 grants or loans to governmental, quasi-governmental or nonprofit entities for costs incurred in
1066 relation to implementation of chapter 298 of the acts of 2008, the Clean Energy and Climate Plan
1067 published by the executive office of energy and environmental affairs and other state and local
1068 strategies for climate change mitigation and adaptation. Such expenditures may include, but shall
1069 not be limited to: (i) payment of costs associated with planning, monitoring and managing
1070 carbon reduction measures; (ii) development and deployment of mitigation strategies and best
1071 practices to reduce carbon emissions; (iii) planning, monitoring and managing strategies to adapt
1072 to and prepare for the impacts of climate change; (iv) priority adaptation projects with potential
1073 co-benefits for climate change mitigation, environmental protection, public health or other
1074 factors, as determined by the secretary of energy and environmental affairs; (v) costs incurred by
1075 the bureau of environmental health in the department of public health associated with
1076 monitoring, studying and reporting on environmental pollutants in the air, water or soil to
1077 prevent or minimize environmental harms to public health; and (vi) pilot projects for new
1078 technologies or strategies to support carbon emission reductions. The amounts expended from
1079 the fund during any fiscal year for the costs of employees shall not exceed 5 per cent of total
1080 funds expended from the fund in that fiscal year. Monies deposited into the fund that are
1081 unexpended at the end of the fiscal year shall not revert to the General Fund and shall be
1082 available for expenditure in the subsequent fiscal year.

1083 (c) Annually, not later than December 1, the secretary shall report on the activities of the
1084 fund to the clerks of the senate and house of representatives and to the senate and house
1085 committees on ways and means. The report shall include an accounting of expenditures made
1086 from the fund with a description of the authorized purpose of each expenditure, an accounting of
1087 amounts credited to the fund and any unexpended balance remaining in the fund.

1088 Section 35HHH. (a) There shall be a Transfer of Development Rights Revolving Fund
1089 into which shall be deposited: (i) any revenues or other financing sources directed to the fund by
1090 appropriation; (ii) bond revenues or other monies authorized by the general court and specifically
1091 designated to be credited to the fund; (iii) any income derived from the investment of amounts
1092 credited to the fund or repayment of loans from the fund; (iv) funds from public or private
1093 sources including, but not limited to, gifts, federal or private grants, donations, rebates and
1094 settlements received by the commonwealth that are specifically designated to be credited to the
1095 fund; and (v) all other amounts credited or transferred into the fund from any other source. The
1096 fund shall be administered by the secretary of energy and environmental affairs.

1097 (b) Amounts credited to the fund may be used, without further appropriation, to provide
1098 loans to municipalities for the acquisition of transferable development rights as provided in
1099 section 27 of chapter 21A. Monies deposited into the fund that are unexpended at the end of the
1100 fiscal year shall not revert to the General Fund and shall be available for expenditure in the
1101 subsequent fiscal year.

1102 (c) Annually, not later than December 1, the secretary shall report on the activities of the
1103 fund to the clerks of the senate and house of representatives and to the senate and house
1104 committees on ways and means. The report shall include an accounting of expenditures made

1105 from the fund with a description of the authorized purpose of each expenditure, an accounting of
1106 the amounts credited to the fund and any unexpended balance remaining in the fund.

1107 Section 35III. There shall be a Castle Island and Marine Park Trust Fund to be used for
1108 the long-term preservation, maintenance, nourishment and public safety of Castle Island and
1109 Marine park in the South Boston section of the city of Boston into which shall be deposited: (i)
1110 any revenues or other financing sources directed to the fund by appropriation; (ii) bond revenues
1111 or other money authorized by the general court and specifically designated to be credited to the
1112 fund; (iii) any income derived from the investment of amounts credited to the fund or repayment
1113 of loans from the fund; (iv) funds from public or private sources including, but not limited to,
1114 gifts, federal or private grants, donations, rebates and settlements received by the commonwealth
1115 that are specifically designated to be credited to the fund; and (v) all other amounts credited or
1116 transferred to the fund from any other source. The fund shall be administered by the secretary of
1117 energy and environmental affairs.

1118 Any balance in the fund at the end of a fiscal year shall not revert to the General Fund,
1119 but shall remain available for expenditure in subsequent fiscal years. Annually, not later than
1120 December 1, the secretary shall report on the activities of the fund to the clerks of the senate and
1121 house of representatives and to the senate and house committees on ways and means. The report
1122 shall include an accounting of expenditures made from the fund and shall include a description
1123 of the authorized purpose of each expenditure, an accounting of the amounts credited to the fund
1124 and any unexpended balance remaining in the fund.

1125 Section 35JJJ. (a) There shall be a Fishing Innovation Fund. The fund shall finance grants
1126 for permit banks, the design, construction and modification of commercial fishing vessels

1127 including, but not limited to, research, development and construction of innovative fishing
1128 vessels with attributes including, but not limited to, increased fuel efficiency, reduced carbon
1129 emissions, improved stability and the capability of supporting sustainable fishing practices
1130 through harvesting and on-board storage and processing methods, research, development,
1131 acquisition and deployment of advanced or innovative technologies including, but not limited to,
1132 sonar, radar, radio communications, satellite and global position and other locating and tracking
1133 devices and the research and development, acquisition and deployment of safety equipment and
1134 technologies; provided, that any such grants may be conditioned on a vessel or guarantor or other
1135 reasonable condition remaining active in commercial fishing in the commonwealth, landing or
1136 processing fish in the commonwealth or maintaining permits or licenses to do so without regard
1137 or preference to any particular geographic location or region of the commonwealth; provided
1138 further, that grants shall be distributed in a manner developed by the advisory committee
1139 established under clause (c).

1140 (b) The fund shall consist of: (i) any revenues or other financing sources directed to the
1141 fund by appropriation; (ii) bond revenues or other monies authorized by the general court and
1142 specifically designated to be credited to the fund; (iii) any income derived from the investment of
1143 amounts credited to the fund or repayment of loans from the fund; (iv) funds from public or
1144 private sources including, but not limited to, gifts, federal or private grants, donations, rebates
1145 and settlements received by the commonwealth that are specifically designated to be credited to
1146 the fund; and (v) all other amounts credited or transferred into the fund from any other source.
1147 The department of fish and game shall seek to maximize fund revenues through federal monies,
1148 matching funds and grants. The fund shall be administered by the commissioner of the
1149 department of fish and game in consultation with the advisory committee established under

1150 clause (c), subject to approval by the secretary of administration and finance. Any unexpended
1151 balances in the fund at the end of the fiscal year shall not revert to the General Fund and shall be
1152 available for expenditures in the subsequent fiscal year.

1153 (c) There shall be an advisory committee that shall consist of: the director of marine
1154 fisheries, who shall serve as chair; and 12 members to be appointed by the governor, 2 of whom
1155 shall have academic or research experience in fishing and the marine economy and 10 of whom
1156 shall be from geographically diverse regions of the commonwealth. There shall be at least 1
1157 representative for each of the following gear types: (i) mobile gear, such as trawls; (ii) hooks;
1158 (iii) gillnets; and (iv) traps.

1159 The advisory committee shall file a report detailing the amount, types and nature of
1160 grants made and the impacts of the grants with the clerks of the senate and house of
1161 representatives annually, not later than September 30.

1162 The advisory committee shall annually hold at least 1 public hearing to receive public
1163 testimony to inform its efforts in developing and deploying grant programs.

1164 (d) Annually, not later than December 1, the commissioner of the department of fish and
1165 game shall report on the activities of the fund to the clerks of the senate and house of
1166 representatives and to the senate and house committees on ways and means. The report shall
1167 include an accounting of expenditures made from the fund with a description of the authorized
1168 purpose of each expenditure, an accounting of amounts credited to the fund and any unexpended
1169 balance remaining in the fund.

1170 Section 35KKK. (a) There shall be an Agricultural Innovation Fund. The fund shall
1171 finance grants for the commonwealth's agricultural and cranberry producers through the
1172 agricultural innovation center for programs that may add value to the producers' products and
1173 services. The center shall develop an outreach program to identify and foster new, innovative
1174 ideas and approaches to adding value to the commonwealth's agricultural and cranberry
1175 economy. The center may solicit requests from the commonwealth's agricultural and cranberry
1176 industry for funding and technical assistance in: (i) reclamation and revitalization of cranberry
1177 bogs; (ii) training, marketing, distribution, applied research, agritourism, aquaculture, forestry,
1178 processing, fiber and agricultural resource management research, development, poultry and red
1179 meat processing and construction of energy efficient agricultural buildings and structures; and
1180 (iii) research, development and construction of energy efficient agricultural equipment. Grants
1181 shall be administered in a manner developed by the advisory committee established under clause
1182 (c).

1183 (b) The fund shall consist of: (i) any revenues or other financing sources directed to the
1184 fund by appropriation; (ii) bond revenues or other monies authorized by the general court and
1185 specifically designated to be credited to the fund; (iii) any income derived from the investment of
1186 amounts credited to the fund or repayment of loans from the fund; (iv) funds from public or
1187 private sources including, but not limited to, gifts, federal or private grants, donations, rebates
1188 and settlements received by the commonwealth that are specifically designated to be credited to
1189 the fund; and (v) all other amounts credited or transferred into the fund from any other source.
1190 The department of fish and game shall seek to maximize fund revenues through federal monies,
1191 matching funds and grants. The fund shall be administered by the commissioner of agricultural
1192 resources in consultation with the advisory committee established under clause (c), subject to

1193 approval by the secretary of administration and finance. Any unexpended balances in the fund at
1194 the end of the fiscal year shall not revert to the General Fund and shall be available for
1195 expenditures in the subsequent fiscal year.

1196 (c) There shall be an advisory committee that shall consist of the commissioner of
1197 agricultural resources, who shall serve as chair and 12 persons to be appointed by the governor, 2
1198 of whom shall have academic or research experience in the agriculture and cranberry economy
1199 and 10 of whom shall be from geographically diverse regions of the commonwealth, with at least
1200 1 from the following sectors: (i) horticulture; (ii) cranberry growing; (iii) dairy farming; (iv)
1201 raising livestock; and (v) raising crops. The Agricultural Innovation Center shall consult with the
1202 advisory committee in matters related to the fund and in the implementation of this section.

1203 The advisory committee shall file a report detailing the amount, types, and nature of
1204 grants made and the impacts of the grants with the clerks of the senate and house of
1205 representatives annually, not later than September 30.

1206 The advisory committee shall annually hold at least 1 public hearing to receive public
1207 testimony to inform its efforts in developing and deploying grant programs.

1208 (d) Annually, not later than December 1, the commissioner of agricultural resources shall
1209 report on the activities of the fund to the clerks of the senate and house of representatives and to
1210 the senate and house committees on ways and means. The report shall include an accounting of
1211 expenditures made from the fund with a description of the authorized purpose of each
1212 expenditure, an accounting of amounts credited to the fund and any unexpended balance
1213 remaining in the fund.

1214 SECTION 4. Section 10H of chapter 21A of the General Laws, as appearing in the 2016
1215 Official Edition, is hereby amended by striking out the sixth, seventh and eighth paragraphs and
1216 inserting in place thereof the following 4 paragraphs:-

1217 A person notified to appear before the clerk of a district court as provided in said section
1218 10G for a violation of section 17A, 18, 19, 30, 31, 33, 34, 35, 36, 51, 51A, 66, 69, 70, 71, 72,
1219 100C or 102 of chapter 130 may so appear within the time specified and pay a fine of \$100.

1220 A person notified to appear before the clerk of a district court as provided in said section
1221 10G for a violation of section 13, 17, 21, 29, 37, 38, 38A, 39, 40, 41, 41A, 44, 44A, 44B, 47, 49,
1222 80, 81, 82, 92, 100A, 100B or 106 of said chapter 130 may so appear within the time specified
1223 and pay a fine of \$200.

1224 A person notified to appear before the clerk of a district court as provided in said section
1225 10G for a violation of section 23, 25, 67, 68, 75, 95 or 100D of said chapter 130 may so appear
1226 within the time specified and pay a fine of \$400.

1227 A person notified to appear before the clerk of a district court as provided in said section
1228 10G for a violation of section 17, 17A, 34, 35, 37, 40, 41, 41A, 44, 44A, 44B, 95, 100A, 100B or
1229 100C of chapter 130 may so appear within the time specified and pay, in addition to the
1230 applicable fine specified in this section, a supplemental fine of \$10 per fish; provided, however,
1231 that for the purposes of this paragraph, the term “fish” shall have the meaning provided in
1232 section 1 of chapter 130, but shall not include bi-valve shellfish.

1233 SECTION 5. Said chapter 21A is hereby further amended by adding the following
1234 section:-

1235 Section 27. (a)(1) There shall be within the executive office of energy and environmental
1236 affairs a program to facilitate, through municipal ordinances or by-laws, the transfer of
1237 development rights to protect conservation values and encourage development through market
1238 incentives. For the purposes of this section, “secretary” shall mean the secretary of energy and
1239 environmental affairs and “transfer of development rights” shall have the same meaning as
1240 provided in section 1A of chapter 40A.

1241 (2) The secretary, in consultation with the secretary of housing and economic
1242 development and other agencies or offices as appropriate, shall manage and oversee the program,
1243 including the administration of the Transfer of Development Rights Revolving Fund established
1244 in section 35HHH of chapter 10. The secretary may promulgate regulations to carry out the
1245 provisions of this section.

1246 (b) To be eligible for a loan from the Transfer fund, a municipality shall:(i) establish a
1247 municipal transfer of development rights revolving fund under section 53E½ of chapter 44 for
1248 the purchase and sale of the transfer of development rights; and (ii) enact a transfer of
1249 development rights zoning bylaw or ordinance approved by the secretary, in consultation with
1250 the secretary of housing and economic development, that, at a minimum: (A) enables the
1251 acquisition, retention and disposition of the transfer of development rights; (B) provides
1252 reasonable assurance that areas designated for preservation through the transfer of development
1253 rights have ample natural resource, agricultural, recreational, historic or other conservation value
1254 such that their protection will be of sufficient public benefit to meet the standards for approval of
1255 a conservation, agricultural preservation, watershed protection, preservation or other use
1256 restriction as provided in this section; (C) requires that the land from which development rights
1257 will be extinguished shall be subject to a permanent conservation, watershed preservation,

1258 agricultural preservation or preservation restriction pursuant to sections 31 to 33, inclusive, of
1259 chapter 184; (D) requires that the restriction described in clause (C) shall be recorded with the
1260 registry of deeds or registered in the registry district of the land court for the county or district
1261 wherein the land lies; provided, however, that if the land is submitted for approval by the
1262 appropriate state official but does not qualify or is not approved for such a restriction the land
1263 shall be subject to a restrictive covenant extended in perpetuity pursuant to sections 26 to 30,
1264 inclusive, of said chapter 184, and such a covenant shall be: (1) approved by the planning board
1265 and the city council or board of selectmen, as appropriate; (2) held by the municipality or a non-
1266 profit organization permitted to hold restrictions pursuant to section 32 of said chapter 184; and
1267 (3) duly recorded or registered, as applicable; (E) provides reasonable assurance that an area
1268 designated for receipt of transferred development rights is properly sized based on the potential
1269 increase in growth that may result from transfers to the area, and that the area is appropriate for
1270 additional growth based on its location, the availability of infrastructure or planned infrastructure
1271 development and access to municipal services; and (F) establishes a procedure for the planning
1272 board to issue development rights certificates, in a form specified by the secretary, indicating
1273 ownership of transferable development rights, and to provide for and document the creation,
1274 acquisition, disposition, exercise and redemption of transferable development rights, including:
1275 (1) procedures for the filing of development rights certificates with the municipal clerk and
1276 recording with the registry of deeds or registration in the registry district, as applicable, for both
1277 the land from which development rights are extinguished and the land to which such rights are
1278 transferred; (2) procedures for documenting the recording or registration of the original
1279 restriction or restrictive covenant as required in clause (C); and (3) procedures, including any
1280 limitations, for the exercise of transferable development rights in the event of subsequent

1281 amendments to zoning ordinances and bylaws affecting the development authorized by the
1282 transferable development right.

1283 (c) To apply for a loan from the fund, an eligible municipality shall submit an application
1284 that certifies, at a minimum, that the municipality shall: (i) follow the provisions of chapter 30B
1285 when acquiring or disposing of transferable development rights; (ii) commit, through approval of
1286 the local legislative body, to repay any loan from the fund under the terms then specified; (iii)
1287 keep permanent records of all restrictions recorded and transferable development rights created,
1288 acquired, held, sold, disposed or exercised, and report on these activities to the secretary in a
1289 manner directed by the secretary; and (iv) keep permanent records of all financial transactions
1290 involving the municipal transfer of development rights revolving fund and report on these
1291 transactions and fund balances to the secretary in a manner directed by the secretary.

1292 (d) Loans from the fund shall carry 0 per cent interest for the first 5 years from the date of
1293 origination, and the prime rate plus 1 per cent from the sixth to the tenth year from the date of
1294 origination. A municipality that has not repaid its loan within 10 years of the origination date
1295 shall be considered in default. In addition to other remedies specified under any loan agreement,
1296 if a municipality shall fail to pay to the fund any principal, interest or other charges payable
1297 under a loan or loan agreement, when due and after demand, the secretary may certify to the state
1298 treasurer the amount owed by the municipality to the fund and may request that the state
1299 treasurer reduce annual local aid to the recipient by the amount necessary to repay the principal,
1300 interest or other charges owed over a 10 year period. The state treasurer shall promptly pay over
1301 to the secretary for deposit in the fund, without further appropriation, local aid distributions in
1302 the amounts requested by the secretary and otherwise certified to the state treasurer as payable to
1303 the municipality.

1304 SECTION 6. Section 7 of chapter 21H of the General Laws, as appearing in the 2016
1305 Official Edition, is hereby amended by striking out, in line 18, the words “food and agriculture”
1306 and inserting in place thereof the following words:- environmental protection.

1307 SECTION 7. Subsection (b) of said section 7 of said chapter 21H, as so appearing, is
1308 hereby amended by adding the following sentence:- The department of environmental protection
1309 shall not delegate regulatory authority to any other executive agency or allow for exception from
1310 such regulations for any type of composting operation.

1311 SECTION 8. Section 1 of chapter 21N of the General Laws, as so appearing, is hereby
1312 amended by striking out the definition of “Allowance” and inserting in place thereof the
1313 following 2 definitions:-

1314 “Adaptation”, adjustments in natural or human systems in response to actual or expected
1315 climatic stimuli and associated impacts, including but not limited to changes in processes,
1316 practices and protocols to increase resiliency of built and natural structures, moderate potential
1317 damages or benefit from opportunities associated with climate change.

1318 “Allowance”, an authorization to emit, during a specified year, up to 1 ton of carbon
1319 dioxide equivalent.

1320 SECTION 9. Said section 1 of said chapter 21N, as so appearing, is hereby further
1321 amended by inserting after the definition of “Greenhouse gas emissions source” the following
1322 definition:-

1323 “Hazard mitigation”, any action that reduces or eliminates long-term risks caused by
1324 natural or man-made disasters.

1325 SECTION 10. Said section 1 of chapter 21N, as so appearing, is hereby further amended
1326 by inserting after the definition of “Market-based compliance mechanism” the following
1327 definition:-

1328 “Nature-based solutions”, strategies that conserve, create, restore and employ natural
1329 resources to enhance climate adaptation, resilience and mitigation to mimic natural processes or
1330 work in tandem with manmade engineering approaches to address natural hazards like flooding,
1331 erosion, drought and heat islands and to maintain healthy natural cycles to sequester and
1332 maintain carbon and other greenhouse gases.

1333 SECTION 11. Said section 1 of said chapter 21N, as so appearing, is hereby further
1334 amended by inserting after the definition of “Secretary” the following definition:-

1335 “State plan”, the integrated state climate adaptation and hazard mitigation plan which
1336 shall include the state hazard mitigation plan, required by the Robert T. Stafford Disaster Relief
1337 and Emergency Assistance Act, Public Law 93-288, 42 U.S.C. section 5121, et seq., and any
1338 subsequent revisions of the plan developed pursuant to this chapter.

1339 SECTION 12. Said section 1 of said chapter 21N, as so appearing, is hereby further
1340 amended by adding the following definition:-

1341 “Vulnerability assessment”, an evaluation of degree of susceptibility to, or ability to cope
1342 with, adverse effects of climate change, such as climate variability and extremes, including an
1343 evaluation of adaptive capacity and subsequent adaptation strategies and options for the asset,
1344 system, institution or other subject being assessed.

1345 SECTION 13. Said chapter 21N is hereby amended by adding the following 2 sections:-

1346 Section 10. (a) The secretary and the secretary of public safety and security shall
1347 coordinate efforts across the commonwealth to strengthen the resiliency of communities, prepare
1348 for the impacts of climate change and prepare for and mitigate damage from extreme weather
1349 events. The secretaries shall, every 5 years, publish a state plan that includes a statewide
1350 adaptation strategy incorporating: (i) observed and projected climate trends based on the best
1351 available data, including but not limited to, extreme weather events, drought, coastal and inland
1352 flooding, sea level rise and increased storm surge, wildfire and extreme temperatures; (ii) risk
1353 analysis and vulnerability assessment of: (A) key physical assets and functions of state
1354 government, municipalities and local economies; (B) natural resources; and (C) the built
1355 environment; provided, however, that the analysis and assessment shall include key findings
1356 from vulnerability assessments conducted pursuant to subsection (b); (iii) an evaluation of the
1357 commonwealth's capacity to respond and adapt to climate change impacts and opportunities; (iv)
1358 guidance and strategies for state agencies and authorities, municipalities and regional planning
1359 agencies to proactively address these impacts through adaptation and resiliency measures,
1360 including changes to plans, by-laws, regulations and policies; (v) clear goals, expected outcomes
1361 and a path to achieving results; (vi) approaches for the commonwealth to increase the resiliency
1362 of state government operations; (vii) policies and strategies for ensuring that adaptation and
1363 resiliency efforts complement and do not conflict with efforts to reduce greenhouse gas
1364 emissions and contribute to meeting statewide emission limits, established pursuant to this
1365 chapter; and (viii) strategies that conserve and sustainably employ the natural resources of the
1366 commonwealth.

1367 (b) The secretary and the secretary of public safety and security shall: (i) establish and
1368 maintain a framework for each executive office established under section 2 of chapter 6A to

1369 complete a vulnerability assessment for such office and each agency under the jurisdiction of
1370 such office to be incorporated into the state plan; (ii) establish and maintain a framework for
1371 each municipality in the commonwealth that chooses to complete a vulnerability assessment to
1372 incorporate the assessment, if the municipality so chooses, into the state plan; (iii) implement the
1373 state plan; and (iv) incorporate information learned from implementing the state plan in plan
1374 updates, including the experiences of executive offices, agencies, and municipalities in assessing
1375 and responding to climate change vulnerability.

1376 (c) The secretary of each executive office established in section 2 of chapter 6A shall
1377 designate an employee to serve as the climate change coordinator of such office. Each climate
1378 change coordinator shall, under the leadership of the executive office of energy and
1379 environmental affairs and the executive office of public safety: (i) serve as such office's principal
1380 liaison regarding climate change mitigation, adaptation and resiliency efforts; (ii) assist in the
1381 development and implementation of the state plan; (iii) work with agencies under the jurisdiction
1382 of such office to complete vulnerability assessments for each agency and assist in incorporating
1383 these assessments into the state plan, on a schedule determined by the executive office of energy
1384 and environmental affairs and the executive office of public safety and security; and (iv)
1385 implement priority strategies and recommendations from the vulnerability assessment to
1386 moderate risk from climate change.

1387 (d) There shall be an advisory group to assist the secretaries in developing, maintaining
1388 and implementing the integrated climate adaptation and hazard mitigation plan, in accordance
1389 and integrated with the requirements and intent of 44 CFR 201.4(b) and this section. The
1390 planning process shall include coordination with other state agencies, appropriate federal
1391 agencies and interested groups, be integrated to the extent possible with other ongoing state

1392 planning efforts as well as other adaptation and mitigation programs and initiatives and
1393 emphasize the valuable role of collaboration among various sectors to ensure adaptation and
1394 mitigation capabilities continually develop and that comprehensive adaptation and mitigation
1395 includes strategies for all community systems.

1396 The advisory group shall consist of the secretary of energy and environmental affairs or a
1397 designee, the secretary of public safety and security or a designee and not more than 21 persons
1398 to be appointed by the secretary of energy and environmental affairs and the secretary of public
1399 safety and security including, but not limited to, those agencies and stakeholders from sectors
1400 with expertise, mitigation capabilities and responsibility for: (i) hazard data; (ii) climate
1401 projections and data; (iii) coastal zones and oceans; (iv) commercial, industrial and
1402 manufacturing activities; (v) economic development; (vi) electric generation and transmission;
1403 (vii) floodplain management; (viii) ecosystem dynamics; (ix) emergency management; (x)
1404 housing; (xi) health and social services; (xii) land use and development; (xiii) municipal
1405 government; (xiv) natural and cultural resources; (xv) freshwater systems; (xvi) regional
1406 planning; (xvii) transportation and built infrastructure; and (xviii) water supply and resources.

1407 The secretary of energy and environmental affairs and the secretary of public safety and
1408 security shall jointly designate an appointee to serve as chair. Non-state agency members shall be
1409 appointed for terms of 3 years. The appointing authorities may fill any vacancy that occurs in an
1410 unexpired term. The advisory group shall meet not less than quarterly and at the discretion of the
1411 secretaries. The advisory group shall hold public meetings relative to matters within the
1412 jurisdiction of the adaptation management plan and shall make recommendations to the
1413 secretaries for developing, maintaining and implementing the plan. The secretaries shall consider
1414 the recommendation of the advisory group. The advisory group shall advise the secretaries

1415 regarding identifying how: (i) the secretaries can support existing adaptation, resilience and
1416 hazard mitigation efforts of state agencies; (ii) stakeholders can play an active role assisting the
1417 efforts of state agencies, regional planning agencies and municipalities; (iii) efforts can be best
1418 integrated across the public and private sector to enhance adaptation, build resiliency and
1419 mitigation climate change in a complementary fashion.

1420 (e) Not more than 24 months after adoption of the plan, all executive branch agencies
1421 shall revise those rules, regulations and guidelines identified in the integrated state hazard
1422 mitigation and adaptation plan to ensure consistency with that plan.

1423 Section 11. (a) The secretary shall develop and support a municipal vulnerability
1424 preparedness grant program. The program shall consist of: (i) financial assistance to
1425 municipalities to complete a community-led resilience building process and vulnerability
1426 assessment that enables climate change information and adaptation actions to be directly
1427 incorporated into existing municipal plans, policies and spending programs; (ii) technical
1428 planning guidance; (iii) a statewide catalogue of municipal climate vulnerabilities and impacts
1429 identified through the assessment process that may be incorporated into the state plan; and (iv)
1430 support for implementation projects to address vulnerabilities.

1431 (b) A grant of financial assistance issued under this section shall be used to advance
1432 efforts to adapt land use, zoning, infrastructure, financial decision-making, policies and programs
1433 to reduce the vulnerability of the built and natural environment to changing environmental
1434 conditions that are a result of climate change.

1435 (c) The secretary shall develop and implement an outreach and education program about
1436 climate change and its effects for low-income, environmental justice and urban communities to
1437 increase participation in the grant program established in this section.

1438 SECTION 14. The General Laws are hereby further amended by inserting after chapter
1439 21O the following chapter:-

1440 CHAPTER 21P.

1441 PLASTIC BAG REDUCTION

1442 Section 1. As used in this chapter, the following words shall have the following meanings
1443 unless the context clearly requires otherwise:

1444 “Post-consumer recycled material”, a material that would otherwise be destined for solid
1445 waste disposal, having completed its intended end use and product life cycle; provided, however,
1446 that “post-consumer recycled material shall not include materials and byproducts generated from,
1447 and commonly reused within, an original manufacturing and fabrication process.

1448 “Recycled paper bag”, a paper bag that is: (i) 100 per cent recyclable; (ii) contains a
1449 minimum of 40 per cent post-consumer recycled materials; provided, however, that an 8 pound
1450 or smaller recycled paper bag shall contain a minimum of 20 per cent post-consumer recycled
1451 material; and (iii) displays the words "recyclable" and "made from 40 per cent post-consumer
1452 recycled content" or other applicable amount in a visible manner on the outside of the bag.

1453 “Reusable grocery bag”, a sewn bag with stitched handles that is: (i) specifically designed
1454 and manufactured for not less than 175 uses; (ii) can carry 25 pounds over a distance of 300 feet;

1455 and (iii) is made of cloth or other machine-washable fabric other than polyethylene or polyvinyl
1456 chloride.

1457 “Single-use carryout bag”, a bag made of plastic, paper or other material that is provided
1458 by a store to a customer at the point of sale and that is not a recycled paper bag or a reusable
1459 grocery bag; provided, however, that single-use carryout bag” shall not include: (i) a paper bag
1460 provided by a pharmacy to a customer purchasing a prescription medication; (ii) a non-handled
1461 bag used to protect items from damaging or contaminating other purchased items placed in a
1462 recycled paper bag or a reusable grocery bag; (iii) a bag provided to contain an unwrapped food
1463 item; or (iv) a non-handled bag that is designed to be placed over articles of clothing on a hanger.

1464 “Store”, a retail establishment, person, corporation, partnership, business venture, or
1465 vendor that sells or provides merchandise, goods or materials directly to a customer, whether for
1466 or not for profit, including, but not limited to, restaurants, pharmacies, convenience and grocery
1467 stores, liquor stores, seasonal and temporary businesses, farmers markets, public markets,
1468 jewelry stores and household goods stores, provided, however, that “store” shall not include
1469 bazaars, fairs or festivals operated by nonprofit organizations or religious institutions.

1470 Section 2. (a) No store shall provide a single-use carryout bag to a customer at the point
1471 of sale.

1472 (b) The department of environmental protection shall promulgate regulations with regard
1473 to the enforcement of this chapter.

1474 Section 3. Nothing in this chapter shall preempt a political subdivision from imposing
1475 further limitations on the use of single-use carryout bags.

1476 SECTION 15. Section 3 of chapter 25A of the General Laws, as appearing in the 2016
1477 Official Edition, is hereby amended by striking out the definition of “Alternative energy
1478 development” and inserting in place thereof the following 2 definitions:-

1479 "Adaptation projects”, public infrastructure projects designed to mitigate adjustments in
1480 natural or human systems in response to actual or expected climatic stimuli and associated
1481 impacts, including, but not limited to, changes in processes, practices and built and natural
1482 structures to increase resiliency, moderate potential damages or benefit from opportunities
1483 associated with climate change.

1484 "Alternative energy development", shall include, but not be limited to, solar energy,
1485 wood, alcohol, hydroelectric, biomass energy systems and renewable nondepletable and
1486 recyclable energy sources.

1487 SECTION 16. Section 11C of said chapter 25A, as so appearing, is hereby amended by
1488 adding the following subsection:-

1489 (e) The division of capital asset management and maintenance may contract for the
1490 procurement of capital improvements for adaptation projects in the manner provided in
1491 subsections (a) and (c). A local governmental body may contract for the procurement of capital
1492 improvements for adaptation projects in the manner provided in subsections (b) and (c).

1493 SECTION 17. Chapter 29 of the General Laws is hereby amended by inserting after
1494 section 2YYYY the following section:-

1495 Section 2ZZZZ. There shall be a Solid Waste Reduction Assistance Fund. The
1496 commissioner of environmental protection shall be the trustee of the fund. The fund shall be

1497 credited with revenues transferred to it from: (i) penalties assessed to solid waste haulers for
1498 waste ban violations on waste disposed of at a solid waste disposal facility; (ii) appropriations,
1499 bond proceeds or other funds authorized by the general court and specifically designated to be
1500 credited to the fund; (iii) other amounts credited or transferred to the fund from another fund or
1501 source; and (iv) interest earned on the money in the fund. The amount credited to the fund shall
1502 be expended without further appropriation. Money in the fund shall be allocated by the
1503 department to fund municipal and other recycling programs, composting programs, composting
1504 and recycling public education programs and programs promoting zero waste principles. Money
1505 in the fund may also be allocated to provide grants to solid waste haulers and generators for
1506 equipment to assist in meeting the commonwealth's waste ban requirements. The unexpended
1507 balance in the fund at the end of a fiscal year shall not revert to the General Fund but shall
1508 remain available for expenditure in subsequent fiscal years. The commissioner of environmental
1509 protection shall annually, not later than December 31, file a report with the clerks of the senate
1510 and house of representatives, who shall forward the same to the senate and house chairs of the
1511 joint committee on environment, natural resources and agriculture, detailing the amount and
1512 source of money credited to the fund and the expenditures and grants provided from the fund.

1513 SECTION 18. Section 1A of chapter 40A of the General Laws, as appearing in the 2016
1514 Official Edition, is hereby amended by inserting after the definition of "Special permit granting
1515 authority" the following 2 definitions:-

1516 "Transfer of development rights", the process by which the owner of a parcel may
1517 convey development rights, extinguishing those rights on the first parcel and where the owner of
1518 another parcel may obtain and exercise those rights in addition to the development rights already
1519 existing on that second parcel.

1520 “Transfer of development rights zoning” or “TDR zoning”, zoning that authorizes
1521 transfer of development rights by permitting landowners in specific preservation areas identified
1522 as sending areas to sell their development rights to landowners in specific development districts
1523 identified as receiving areas.

1524 SECTION 19. Section 9 of said chapter 40A, as so appearing, is hereby amended by
1525 inserting after the word “interests”, in line 34, the following words:- ; provided, however, that
1526 nothing herein shall prohibit a zoning ordinance or by-law from allowing transfer of
1527 development rights to be permitted as of right without the need for a special permit or other
1528 discretionary zoning approval.

1529 SECTION 20. Section 6F of chapter 62 of the General Laws, as so appearing, is hereby
1530 amended by inserting after the word “under”, in line 52, the following words:- subsections (a) or
1531 (c) of.

1532 SECTION 21. Section 5 of chapter 65C of the General Laws, as so appearing, is hereby
1533 amended by striking out subsection (c) and inserting in place thereof the following 2
1534 subsections:-

1535 (c) If the gross estate of a decedent dying on or before December 31, 2018 includes real
1536 property devoted to use as a farm for farming purposes, the estate may elect to value such
1537 property in accordance with section 2032A of the Code in effect on January 1, 1985. If a federal
1538 return is required to be filed, such election shall be consistent with the election made for federal
1539 estate tax purposes. All substantive and procedural provisions of said section 2032A shall,
1540 insofar as pertinent and consistent, apply to such election. The commissioner shall promulgate
1541 regulations to carry out this subsection.

1542 (d)(1) As used in this subsection, the following words shall have the following meanings
1543 unless the context clearly requires otherwise:

1544 “Applicable date”, the date upon which the 10-year period that the estate shall be liable
1545 for assessment under paragraph (4) begins; provided, however, that for qualifying agricultural
1546 and associated land, the applicable date shall be the date of death of the decedent; and provided
1547 further, that for qualifying noncommitted land, the applicable date shall be 2 years from the date
1548 of death of the decedent.

1549 “Associated land”, land under the same ownership as and contiguous to qualifying
1550 agricultural land and which, as of the date of death of the decedent, is not committed to
1551 residential, industrial or commercial use; provided, however, that land shall be deemed
1552 contiguous if it is separated from other land under the same ownership only by a public or
1553 private way or waterway; provided further that land under the same ownership shall be deemed
1554 contiguous if it is connected to other land under the same ownership by an easement for water
1555 supply; and provided further, that any such land in excess of 100 per cent of the acreage of
1556 qualifying agricultural land shall be deemed qualifying noncommitted land.

1557 “Closely held agricultural land”, qualifying agricultural and associated land and
1558 qualifying noncommitted land for which an election is made under this subsection.

1559 “Qualifying agricultural land”, land which meets the definition of forest land under
1560 chapter 61, land actively devoted to agricultural, horticultural or agricultural and horticultural
1561 uses under chapter 61A and recreational land under chapter 61B that is also used for farming or
1562 agriculture as defined in section 1A of chapter 128 and has been devoted to any such use for not
1563 less than 2 of the tax years immediately preceding the death of the decedent; provided, however,

1564 that the land need not be classified by municipal assessors as forest land under chapter 61, land
1565 actively devoted to agricultural or horticultural or agricultural and horticultural uses under said
1566 chapter 61A or recreational land under said chapter 61B to qualify for valuation as closely-held
1567 agricultural land under this subsection.

1568 “Qualifying noncommitted land”, land that is not qualifying agricultural land and is not
1569 committed to residential, industrial or commercial use, including associated land in excess of 100
1570 per cent of the acreage of qualifying agricultural land.

1571 “Savings”, the difference between the estate taxes paid as a result of an election made
1572 under this subsection and the estate taxes that would have otherwise been paid had the election
1573 not been made.

1574 (2) If the gross estate of a decedent dying on or after January 1, 2019 includes real
1575 property that is qualifying agricultural land, associated land or qualifying noncommitted land, the
1576 estate may elect to value such property, or any portion thereof, as closely-held agricultural land
1577 pursuant to the valuation set by the farmland valuation advisory commission established in
1578 section 11 of chapter 61A for the fiscal year of the most recent growing season. The value of
1579 closely-held agricultural land as determined pursuant to such election shall only be for the
1580 purpose of computing the tax due under this chapter. Such election shall be subject to the
1581 paragraphs (3) to (6), inclusive.

1582 (3) Unless the property is restricted by a nondevelopment covenant that: (i) is approved
1583 by the commissioner of agriculture; (ii) is for the purposes of maintaining the land in agricultural
1584 use; (iii) precludes nonagricultural development of the land; (iv) is recorded at the registry of
1585 deeds in the counties or districts in which the property is located; and (v) does not expire within

1586 10 years of the applicable date, the commissioner shall forthwith cause to be recorded in the
1587 registry of deeds of the counties or districts in which the property is situated a statement which
1588 shall constitute a lien upon the land covered by election under this subsection. The statement
1589 shall include any owners of record, the savings as a result of such election, the fair market value
1590 of the property and a description of the land adequate for identification. Unless such a statement
1591 is recorded, the lien shall not be effective with respect to a bona fide purchaser or other
1592 transferee without actual knowledge of the lien. Upon application by a record owner, any such
1593 lien shall be released by the commissioner with respect to that property upon the facts being
1594 established by record or by affidavit or otherwise that all assessments have been paid or unless it
1595 is more than 10 years past the applicable date and no assessment is due. All recording fees paid
1596 under this subsection, whether for statements of liens, certificates, releases or otherwise, shall be
1597 borne by the owner of record of the land.

1598 Property restricted by an agricultural preservation restriction as defined in section 31 of
1599 chapter 184 that is signed by the commissioner of agriculture shall be deemed to be restricted by
1600 a nondevelopment covenant if the restriction: (i) is approved by the commissioner of agriculture;
1601 (ii) is for the purposes of maintaining the land in agricultural use; (iii) precludes nonagricultural
1602 development of the land; (iv) is recorded at the registry of deeds in the counties or districts in
1603 which the property is located; and (v) does not expire within 10 years of the applicable date.

1604 (4)(i) When land valued as closely-held agricultural land under this subsection within a
1605 period of 10 years from the applicable date is sold for other use or no longer qualifies as closely-
1606 held agricultural land, any owners shall immediately notify the commissioner of such sale or
1607 change of use and an assessment shall be due to the commonwealth. Such assessment shall be

1608 calculated with interest based on the date of sale for other use or based on the last date of use as
1609 closely-held agricultural land as specified in this paragraph.

1610 The assessment shall be equal to 100 per cent of the savings if such date is not more than
1611 1 year of the applicable date; 90 per cent of the savings if such date is more than 1 year but not
1612 more than 2 years of the applicable date; 80 per cent of the savings if such date is more than 2
1613 years but not more than 3 years of the applicable date; 70 per cent of the savings if such date is
1614 more than 3 years but not more than 4 years of the applicable date; 60 per cent of the savings if
1615 such date is more than 4 years but not more than 5 years of the applicable date; 50 per cent of the
1616 savings if such date is more than 5 years but not more than 6 years of the applicable date; 40 per
1617 cent of the savings if such date is more than 6 years but not more than 7 years of the applicable
1618 date; 30 per cent of the savings if such date is more than 7 years but not more than 8 years of the
1619 applicable date; 20 per cent of the savings if such date is more than 8 years but not more than 9
1620 years of the applicable date; 10 per cent of the savings if such date is more than 9 years but not
1621 more than 10 years of the applicable date. No assessment shall be due if such date is more than
1622 10 years from the applicable date.

1623 Such assessment shall also include interest calculated at a simple interest rate of 5 per
1624 cent per annum on the savings from the applicable date.

1625 There shall be an additional assessment equal to 30 per cent of the savings if the date of
1626 sale for other use or the last date of use while qualified as closely-held agricultural land occurs
1627 not more than 1 year of the applicable date and 15 per cent of the savings if such date occurs
1628 more than 1 year but not more than 2 years of the applicable date.

1629 (ii) If an election has been made with respect to: (A) qualifying noncommitted land
1630 which, on the applicable date, fails to meet the definition of forest land under chapter 61; (B)
1631 land actively devoted to agricultural or horticultural or agricultural and horticultural uses under
1632 chapter 61A; or (C) recreational land under chapter 61B that is also used for farming or
1633 agriculture as defined in section 1A of chapter 128, an assessment shall be due to the
1634 commonwealth and payable by the owners not more than 30 days of the applicable date;
1635 provided, however, that the land need not be classified by municipal assessors as forest land
1636 under said chapter 61, land actively devoted to agricultural or horticultural or agricultural and
1637 horticultural uses under said chapter 61A or recreational land under said chapter 61B. Such
1638 assessment shall be equal to the sum of: (I) 100 per cent of the savings; (II) interest calculated at
1639 a simple interest rate of 5 per cent per annum on the savings from the date of death of the
1640 decedent; and (III) an additional assessment equal to 30 per cent of the savings.

1641 (iii) Notwithstanding this paragraph, there shall be no assessment if the land involved, or
1642 a lesser interest in the land involved, is acquired for a natural resource by the commonwealth or
1643 by a nonprofit conservation organization; provided, however, that if any portion of the land is
1644 sold or converted to commercial, residential or industrial use not more than 10 years after the
1645 applicable date by a nonprofit conservation organization, an assessment shall be imposed against
1646 the nonprofit conservation organization in the amount that would have been imposed at the time
1647 of acquisition of the subject parcel by the nonprofit conservation organization had the transaction
1648 been subject to an assessment or, in the case of qualifying noncommitted land acquired by a
1649 nonprofit conservation organization before the applicable date, the amount that would have been
1650 imposed on the applicable date under subparagraph (ii).

1651 (iv) In the case of sale for other use of closely-held agricultural land, other than
1652 qualifying noncommitted land sold for other use before the applicable date, assessments imposed
1653 by this subsection shall be due and payable by the grantor at the time of transfer of the property
1654 by deed or other instrument of conveyance. In the case of qualifying noncommitted land sold for
1655 other use before the applicable date, assessments imposed by this subsection shall be due and
1656 payable by the grantor on the applicable date. In the case of change to a nonqualifying use,
1657 assessments imposed by this subsection shall be due and payable by the owners not more than 30
1658 days after the last date of use as closely-held agricultural land, regardless of the date on which
1659 the commissioner was notified by the owners of such change of use.

1660 (v) An assessment shall only be imposed under this subsection on that portion of the land
1661 on which the use has changed. If, by conveyance or other action of the owner thereof, a portion
1662 of land which is valued as closely-held agricultural land under this subsection is separated for
1663 other use, the land so separated shall be subject to liability for assessment, interest and additional
1664 assessment under this paragraph based on the proportion that the acreage of the land so separated
1665 bears to the total acreage of the land valued as closely-held agricultural land under this
1666 subsection.

1667 (5) All buildings located on land which is valued as closely-held agricultural land under
1668 this subsection and all land occupied by a dwelling or regularly used for family living shall not
1669 be valued as provided in this subsection.

1670 (6) The commissioner shall promulgate regulations to carry out this subsection.

1671 SECTION 22. Chapter 85 of the General Laws is hereby amended by adding the
1672 following section:-

1673 Section 38. (a) As used in this section, the following words shall have the following
1674 meanings unless the context clearly requires otherwise:

1675 “Correlated color temperature”, the apparent hue of the light emitted by a fixture,
1676 expressed in kelvins.

1677 “Direct light”, light emitted by a fixture, whether from the light source or a reflector or
1678 through a refractor.

1679 “Façade lighting”, a permanent outdoor fixture that is specifically intended to illuminate
1680 the exterior surface of a building or structure.

1681 “Fixture”, a complete lighting unit, including a light source together with the parts
1682 designed to distribute the light, to position and protect the light source and connect the light
1683 source to the power supply.

1684 “Fixture lumens”, total lumens emitted by a fixture.

1685 “Fully-shielded fixture”, a fixture that emits no direct light above a horizontal plane
1686 through the fixture’s lowest light-emitting part, in its mounted position.

1687 “Glare”, light emitted by a fixture that causes visual discomfort or reduced visibility.

1688 “Illuminance”, the luminous power incident per unit area of a surface.

1689 “Light trespass”, light that falls beyond the property it is intended to illuminate.

1690 “Lumen”, a standard unit of measurement of the quantity of light emitted from a source
1691 of light.

1692 “Ornamental roadway lighting”, a roadway-lighting fixture that serves a decorative
1693 function in addition to a roadway-lighting function and that has a historical-period appearance or
1694 decorative appearance.

1695 “Parking-lot lighting”, a permanent outdoor fixture specifically intended to illuminate an
1696 uncovered vehicle-parking area.

1697 “Part-night service”, a rate charged by a utility company to provide unmetered electricity
1698 for permanent outdoor fixtures that operate for only a portion of each night’s dusk-to-dawn
1699 cycle.

1700 “Permanent outdoor fixture”, a fixture for use in an exterior environment installed with
1701 mounting not intended for relocation.

1702 “Roadway lighting”, a permanent outdoor fixture specifically intended to illuminate a
1703 public roadway.

1704 “Sky glow”, scattered light in the atmosphere that is caused by light directed upward or
1705 sideways from fixtures that reduces an individual’s ability to view the natural night sky.

1706 “State funds”, bond revenues or money appropriated or allocated by the general court.

1707 (b) State funds shall not be used to install a new permanent outdoor fixture or to pay for
1708 the cost of operating a new permanent outdoor fixture except:

1709 (i) for roadway lighting or parking-lot lighting, whether mounted to poles,
1710 buildings or other structures and the fixture is fully shielded;

1711 (ii) for a building-mounted fixture not specifically intended for roadway lighting,
1712 parking-lot lighting or façade lighting and the fixture is fully shielded when its initial fixture
1713 lumens is greater than 3000 lumens;

1714 (iii) for façade lighting where the fixture is shielded to reduce glare, sky glow and
1715 light trespass to the greatest extent possible;

1716 (iv) for an ornamental roadway lighting fixture where the fixture emits not more
1717 than 700 lumens above a horizontal plane through the fixture's lowest light-emitting part;

1718 (v) where the light emitted by the fixture has a correlated color temperature that is
1719 not greater than 3000 kelvins; and

1720 (vi) for roadway lighting unassociated with intersections of 2 or more streets or
1721 highways where the Massachusetts Department of Transportation has determined that the
1722 purpose of the fixture installation cannot be achieved by installation of a reflectorized roadway
1723 marker, line, warning or informational sign or other passive means.

1724 (c) This section shall not apply: (i) if it is preempted by federal law; (ii) if the outdoor
1725 lighting fixture is used temporarily for an emergency procedure or road repair; (iii) to
1726 navigational and other lighting systems necessary for aviation and nautical safety; (iv) to lighting
1727 for an athletic playing area provided, however, that a fixture used for an athletic field playing
1728 area shall be selected and installed so as to minimize glare, light trespass and sky glow outside
1729 that area; (v) if a compelling and bona fide safety or security need exists that cannot be addressed
1730 by another reasonable method; (vi) to the replacement of a previously-installed, permanent
1731 outdoor fixture that is destroyed, damaged or inoperative, that has experienced electrical failure

1732 due to failed components or that requires standard maintenance; (vii) to lighting intended for a
1733 tunnel or roadway underpass; or (viii) to a special event or situation that might require additional
1734 illumination including, but not limited to, the illumination of a historic structure, monument or
1735 flag; provided, however, that the illumination shall be selected and installed to minimize glare,
1736 light trespass and sky glow to the greatest extent possible.

1737 (d) The department of energy resources, in consultation with the Massachusetts
1738 Department of Transportation, shall develop and promulgate regulations to implement and
1739 enforce this section. The regulations shall include a system to ensure that the use of state funds
1740 including, but not limited to, operating costs for new permanent outdoor fixtures for roadway
1741 lighting or parking-lot lighting installed by electric distribution companies and municipal
1742 aggregators comply with this section.

1743 SECTION 23. Section 25 of chapter 90B of the General Laws, as appearing in the 2016
1744 Official Edition, is hereby amended by inserting after the word “way,” in line 44, the following
1745 words:- or upon, but to the extreme right of, such travelled portion.

1746 SECTION 24. The fourth paragraph of said section 25 of said chapter 90B, as so
1747 appearing, is hereby further amended by adding the following 2 sentences:- This paragraph shall
1748 also apply to any portion of a public way designated by the governmental entity with jurisdiction
1749 over the public way, with approval of the chief of police of the municipality in which such
1750 portion lies, to permit travel by a recreational vehicle from 1 authorized operating area to another
1751 or to permit access by a recreational vehicle to essential services, including fuel, food and
1752 lodging, from an authorized operating area. The designated portion shall be the minimum
1753 distance necessary to permit such travel or access but shall not exceed 4 miles.

1754 SECTION 25. Chapter 94 of the General Laws is hereby amended by inserting after
1755 section 13E the following section:-

1756 Section 13F. (a) A dairy farmer manufacturing raw milk for human consumption shall be
1757 licensed under section 16A and under section 5 of chapter 94A. A licensed raw milk farmer may
1758 deliver raw milk directly to a consumer, off-site from the farm if the raw milk farmer has a
1759 direct, contractual relationship with the consumer. The raw milk farmer may contract with a third
1760 party for such delivery; provided, however, that the raw milk farmer shall maintain the
1761 contractual relationship with the consumer. The raw milk farmer may deliver raw milk through a
1762 community-supported agriculture delivery system; provided, however, that the raw milk farmer
1763 shall maintain a contractual relationship with the consumer. Delivery may be made directly to
1764 the consumer's residence or to a pre-established receiving site. A receiving site shall not be in a
1765 retail setting, with the exception of a community-supported agriculture delivery system, in which
1766 case the raw milk shall be kept separate from retail items for sale and shall not be accessible to
1767 the general public.

1768 (b) A raw milk farmer may sell raw milk from the farmer's farm stand even if not
1769 contiguous to the farmer's raw milk dairy; provided, however, that the farmer shall comply with
1770 section 3 of chapter 40A .

1771 (c) The department of agricultural resources and the department of public health, acting
1772 jointly, shall adopt and promulgate rules and regulations governing the handling, packaging,
1773 storage, testing and transportation of raw milk; provided, however, that any delivery vehicle
1774 transporting raw milk shall comply with the inspection requirements set forth in sections 33, 35
1775 and 40.

1776 (d) The label on any raw milk sold pursuant to this section shall contain: (i) the identity
1777 of the farm where the raw milk was packaged, including the licensee's name, address and license
1778 number; and (ii) the following warning: "Raw milk is not pasteurized. Pasteurization destroys
1779 organisms that may be harmful to health.

1780 SECTION 26. Chapter 129 of the General Laws is hereby amended by striking out
1781 section 18, as appearing in the 2016 Official Edition, and inserting in place thereof the following
1782 section:-

1783 Section 18. (a) Each inspector shall comply with and enforce all orders and regulations as
1784 directed by the director.

1785 (b) The director shall establish mandatory training programs for all municipal animal
1786 inspectors. Such training shall be designed to ensure that inspections are conducted on a
1787 consistent basis and that inspectors are educated on matters including, but not limited to, animal
1788 health and welfare. Each municipal animal inspector shall complete such training not more than
1789 90 days after appointment and every 2 years thereafter. The director may require additional
1790 training for animal inspectors as needed.

1791 (c) An inspector who refuses or neglects to comply with this section shall be punished by
1792 a fine of not more than \$500.

1793 SECTION 27. Said chapter 129 is hereby further amended by striking out section 25, as
1794 so appearing, and inserting in place thereof the following section:-

1795 Section 25. Each inspector shall keep a record of all inspections made of animals
1796 pursuant to this chapter. The director shall provide forms in any manner, electronic format or

1797 medium necessary to implement this section, including any forms or records to be utilized and
1798 kept by inspectors; provided, however, that such forms and records shall be retained for at least
1799 10 years in an electronic database implemented and maintained by the director.

1800 SECTION 28. Section 2 of chapter 130 of the General Laws, as so appearing, is hereby
1801 amended by striking out the fourth and fifth paragraphs and inserting in place thereof the
1802 following paragraph:-

1803 Whoever violates this chapter shall , unless otherwise provided, be: (i) punished by a fine
1804 of not less than \$400 but not more than \$10,000 or by imprisonment in the house of correction
1805 for not more than 2 ½ years or by both such fine and imprisonment; or (ii) liable for a civil
1806 penalty not to exceed \$10,000 for each violation. The civil penalty may be assessed in an action
1807 brought on behalf of the commonwealth in the superior or district court.

1808 SECTION 29. Section 13 of said chapter 130, as so appearing, is hereby amended by
1809 striking out the third paragraph.

1810 SECTION 30. Said chapter 130 is hereby further amended by striking out section 18, as
1811 so appearing, and inserting in place thereof the following section:-

1812 Section 18. No person shall, without right, enter in or upon any building or other structure
1813 or any area of land, flats or water, set apart and used by or under authority of the director for
1814 conducting scientific experiments or investigations or for the propagation or protection of fish or,
1815 contrary to regulations, fish in waters so set apart and used after the director has caused printed
1816 notice of such occupation and use and the purposes thereof to be placed in a conspicuous
1817 position upon any such building or other structure or adjacent to any such area of land, flats or
1818 water. No person shall injure or deface any such building or other structure or any notice so

1819 posted and no person shall injure or deface any property used in any such experiment or
1820 investigation or for such purposes or otherwise interfere with any property used in any such
1821 experiment or investigation or for such purposes.

1822 SECTION 31. Section 19 of said chapter 130, as so appearing, is hereby amended by
1823 striking out the fifth paragraph.

1824 SECTION 32. The sixth paragraph of said section 19 of said chapter 130, as so
1825 appearing, is hereby amended by striking out the third sentence.

1826 SECTION 33. Section 21 of said chapter 130, as so appearing, is hereby amended by
1827 striking out the fifth paragraph.

1828 SECTION 34. Said chapter 130 is hereby further amended by striking out section 23, as
1829 so appearing, and inserting in place thereof the following section:-

1830 Section 23. Except in the case of emergency imperiling life or property or an unavoidable
1831 accident or except in accordance with the terms of a permit issued pursuant to state or federal
1832 water pollution control laws, no person shall, from any source: (i) put, throw, discharge or suffer
1833 or permit to be discharged or permit the escape of any oil, poisonous or other injurious substance
1834 into any coastal waters; provided, however, that such substances shall include, but not limited to,
1835 sawdust, shavings, garbage, ashes, acids, sewage and dye-stuffs, whether simple, mixed or
1836 compound, or heated effluent, which directly or indirectly materially injures fish, fish spawn or
1837 seed therein; (ii) take any such fish by any such means; (iii) kill or destroy fish in any such
1838 waters by the use of dynamite or other explosives; (iv) take any such fish in such waters by such
1839 means; or (v) explode dynamite or other explosive in such waters.

1840 SECTION 35. Section 29 of said chapter 130, as so appearing, is hereby amended by
1841 striking out the second paragraph and inserting in place thereof the following paragraph:-

1842 No person shall construct or maintain a weir, pound net or fish trap in the tidewater
1843 unless in accordance with this section.

1844 SECTION 36. Section 30 of said chapter 130, as so appearing, is hereby amended by
1845 striking out the second sentence.

1846 SECTION 37. Said chapter 130 is hereby further amended by striking out section 31, as
1847 so appearing, and inserting in place thereof the following section:-

1848 Section 31. No person shall, without the consent of the owner, take, use, destroy, injure
1849 or molest a weir, pound net, fish trap, seine, set net or lobster or crab pot or other fishing gear or
1850 a fish car or other contrivance used for the purpose of storing fish, including any such fishing
1851 gear which is swept ashore by storm or tide or other natural causes and deposited upon the shore,
1852 beaches or flats, whether public or private, or take fish therefrom.

1853 SECTION 38. Section 33 of said chapter 130, as so appearing, is hereby amended by
1854 striking out the last sentence.

1855 SECTION 39. Section 34 of said chapter 130, as so appearing, is hereby amended by
1856 striking out the first sentence and inserting in place thereof the following sentence:- Between
1857 March 15 and June 15, inclusive, no person shall catch or take any smelt from the waters of the
1858 commonwealth or buy, receive, sell or offer or expose for sale, transport or possess a smelt so
1859 taken.

1860 SECTION 40. Section 35 of said chapter 130, as so appearing, is hereby amended by
1861 striking out the first paragraph and inserting in place thereof the following paragraph:-

1862 No person shall take or attempt to take a smelt in any other manner than by angling. This
1863 section shall not apply to smelt inadvertently taken in a seine or net during the time and in the
1864 manner in which fishing is allowed for perch, herring or alewives; provided, however, that such
1865 smelt so taken shall be immediately liberated alive in the waters from which it was taken.

1866 SECTION 41. Section 36 of said chapter 130, as so appearing, is hereby amended by
1867 striking out the second sentence and inserting in place thereof the following sentence:- No person
1868 shall molest or disturb smelt or their spawn within such closed areas.

1869 SECTION 42. The fourth paragraph of section 37 of said chapter 130, as so appearing, is
1870 hereby amended by striking out the first sentence.

1871 SECTION 43. Section 38 of said chapter 130, as so appearing, is hereby amended by
1872 striking out, in lines 82 to 84, inclusive, the words “, and upon failure to do so shall be punished
1873 by a fine of not less than twenty-five nor more than one hundred dollars or imprisonment for one
1874 month or both”.

1875 SECTION 44. Section 38A of said chapter 130, as so appearing, is hereby amended by
1876 striking out the last paragraph.

1877 SECTION 45. Section 39 of said chapter 130, as so appearing, is hereby amended by
1878 striking out the last sentence.

1879 SECTION 46. Section 40 of said chapter 130, as so appearing, is hereby amended by
1880 striking out the last sentence.

1881 SECTION 47. Section 44 of said chapter 130, as so appearing, is hereby amended by
1882 striking out the third paragraph and inserting in place thereof the following paragraph:-

1883 If the measurement of any such lobster taken from 1 or the other eye sockets is of the
1884 required length, such lobster shall be deemed to be a legal lobster. In all prosecutions under this
1885 section, any mutilation of a lobster which affects its measurement as aforesaid shall be prima
1886 facie evidence that the lobster was or is shorter than the required length; provided, however, that
1887 the director shall, by regulation approved by the marine fisheries advisory commission, allow the
1888 on-shore processing of live lobsters of legal length into frozen shell-on lobster parts or tails and
1889 the importation of unfrozen shell-on lobster parts or tails for the purpose of further processing by
1890 wholesale dealers that are licensed by the department of public health under section 77G of
1891 chapter 94. Processed frozen shell-on lobster parts or tails may be possessed, sold or offered for
1892 sale by a wholesale dealer, retail dealer or food establishments and such food product may be
1893 possessed by a consumer. The processing, possession or sale of frozen or unfrozen lobster tails
1894 pursuant to this section shall be limited to lobster tails weighing at least 3 ounces. The packaging
1895 of processed frozen or unfrozen shell-on lobster parts or tails pursuant to this section as a food
1896 product shall be labeled in accordance with applicable federal and state laws and regulations.
1897 This section shall not apply to common carriers having lobster in their possession for the purpose
1898 of transportation.

1899 SECTION 48. Section 47 of said chapter 130, as so appearing, is hereby amended by
1900 striking out the last sentence.

1901 SECTION 49. Said chapter 130 is hereby further amended by striking out section 49, as
1902 so appearing, and inserting in place thereof the following section:-

1903 Section 49. No carrier shall knowingly receive or carry from place to place any lobster or
1904 lobster meat in barrels, boxes or other containers not marked as provided in section 47.

1905 SECTION 50. Section 51 of said chapter 130, as so appearing, is hereby amended by
1906 striking out the last sentence.

1907 SECTION 51. Section 51A of said chapter 130, as so appearing, is hereby amended by
1908 striking out the last sentence.

1909 SECTION 52. Section 52 of said chapter 130, as so appearing, is hereby amended by
1910 inserting after the word “therefor”, in line 61, the following words:- ; provided, however, that
1911 such city or town shall not charge a veteran as defined in clause Forty-third of section 7 of
1912 chapter 4, who is a resident of the commonwealth, a fee greater than the fee charged to a resident
1913 of such city or town.

1914 SECTION 53. Said chapter 130 is hereby further amended by striking out sections 66 and
1915 67, as so appearing, and inserting in place thereof the following 2 sections:-

1916 Section 66. No person shall willfully injure, deface, destroy or remove any mark or
1917 bound used to define the extent of any shellfish license or grant or place any unauthorized mark
1918 thereon or tie or fasten any boat or vessel thereto. Any person who violates this section shall be
1919 liable in tort for double damages and costs to the licensee or transferee injured by the violation.

1920 Section 67. No person shall, without the consent of the licensee or transferee, as the case
1921 may be: (i) work a dredge, oyster tongs, rake or other implement for the taking of shellfish of any
1922 description upon any shellfish grounds or beds covered by a license granted under section 57 or
1923 any corresponding provision of earlier law; (ii) in any way, disturb the growth of the shellfish

1924 thereon; (iii) discharge any substance which may directly or indirectly injure the shellfish upon
1925 any such grounds or beds; or (iv) while upon or sailing over any such grounds or beds, cast, haul,
1926 or have overboard any such dredge, tongs, rake or other implement for the taking of shellfish of
1927 any description, under any pretense or for any purpose.

1928 SECTION 54. Section 68 of said chapter 130, as so appearing, is hereby amended by
1929 striking out the second paragraph and inserting in place thereof the following paragraph:-

1930 No person shall, without the consent of the licensee or transferee, dig or take any
1931 shellfish or shells from any waters, flats or creeks described in a license granted under section 57
1932 or any corresponding provision of earlier law, during the continuance of the license or of a
1933 renewal thereof.

1934 SECTION 55. Section 70 of said chapter 130, as so appearing, is hereby amended by
1935 striking out the last sentence.

1936 SECTION 56. Section 71 of said chapter 130, as so appearing, is hereby amended by
1937 striking out the last sentence.

1938 SECTION 57. Section 72 of said chapter 130, as so appearing, is hereby amended by
1939 striking out the last sentence.

1940 SECTION 58. The second paragraph of section 75 of said chapter 130, as so appearing, is
1941 hereby amended by striking out the first and second sentences and inserting in place thereof the
1942 following sentence:- Whoever, without a permit as provided in this section or contrary to such
1943 permit, digs or takes shellfish for any purpose from any area determined under section 74 or
1944 section 74A or under any corresponding provision of earlier law to be contaminated, while such

1945 determination is in force, and whoever knowingly transports or causes to be transported or has in
1946 their possession or offers for sale shellfish so dug or taken shall be punished by imprisonment in
1947 a jail or house of correction for not more than 2 ½ years or by imprisonment in the state prison
1948 for not more than 3 years, by a fine of not less than \$500 and not more than \$10,000 or by both
1949 such fine and imprisonment.

1950 SECTION 59. Section 80 of said chapter 130, as so appearing, is hereby amended by
1951 striking out, in lines 73 and 74, the words “ten dollars nor more than ten thousand dollars” and
1952 inserting in place thereof the following words:- \$400 and not more than \$10,000.

1953 SECTION 60. Section 81 of said chapter 130, as so appearing, is hereby amended by
1954 striking out, in lines 21 and 22, the words “one hundred nor more than ten thousand dollars” and
1955 inserting in place thereof the following words:- \$400 and not more than \$10,000.

1956 SECTION 61. Section 82 of said chapter 130, as so appearing, is hereby amended by
1957 striking out, in lines 18 and 19, the words “one hundred nor more than ten thousand dollars” and
1958 inserting in place thereof the following words:- \$400 and not more than \$10,000.

1959 SECTION 62. Section 92 of said chapter 130, as so appearing, is hereby amended by
1960 striking out the first and second paragraphs and inserting in place thereof the following
1961 paragraph:-

1962 No person shall sell, exchange, transport or deliver and no person shall offer or expose
1963 for sale, exchange or delivery or have in their custody or possession with intent to sell, exchange,
1964 transport or deliver any scallops or sea scallops which have been soaked and shall tag such
1965 scallops in accordance with regulations promulgated by the director.

1966 SECTION 63. Said chapter 130 is hereby further amended by striking out section 95, as
1967 so appearing, and inserting in place thereof the following section:-

1968 Section 95. No person shall take, kill, haul onshore, disturb, injure, hinder or obstruct the
1969 passage of any herring, alewives or other swimming marine food fish in a fishery created by a
1970 city or town, without the permission thereof or that of its lessees, in a fishery legally established
1971 by a corporation, without the permission of such corporation or in a public fishery regulated and
1972 controlled by a city or town, contrary to its regulations.

1973 Proceedings under this section shall be commenced within 30 days after the commission
1974 of the offense.

1975 SECTION 64. Section 99 of said chapter 130 is hereby repealed.

1976 SECTION 65. Section 100A of said chapter 130, as appearing in the 2016 Official
1977 Edition, is hereby amended by striking out the last sentence.

1978 SECTION 66. Section 100B of said chapter 130, as so appearing, is hereby amended by
1979 striking out the last sentence.

1980 SECTION 67. Section 100C of said chapter 130, as so appearing, is hereby amended by
1981 striking out the last sentence.

1982 SECTION 68. Section 100D of said chapter 130, as so appearing, is hereby amended by
1983 striking out the last paragraph.

1984 SECTION 69. Said chapter 130 is hereby further amended by striking out section 102, as
1985 so appearing, and inserting in place thereof the following section:-

1986 Section 102. No person shall harvest for sale or engage in the aquaculture of marine
1987 plants except in accordance with any regulations adopted by the director and subject to a permit
1988 or written approval issued by the director.

1989 SECTION 70. Section 103 of said chapter 130 is hereby repealed.

1990 SECTION 71. The General Laws are hereby amended by inserting after chapter 131A the
1991 following chapter:-

1992 CHAPTER 131B.

1993 PUBLIC LANDS PRESERVATION ACT

1994 Section 1. As used in this chapter, the following words shall have the following meanings
1995 unless the context clearly requires otherwise:

1996 “Acquired”, land or an interest in land obtained by a public owner whether by purchase,
1997 exchange, devise, grant, lease, eminent domain or otherwise.

1998 “Article XCVII”, Article XCVII of the amendments to the constitution of the
1999 commonwealth.

2000 “Article XCVII land”, land or an interest in land that is subject to protection under Article
2001 XCVII.

2002 “Article XCVII natural resource purposes”, the conservation, development and utilization
2003 of the agricultural, mineral, forest, water, air and other natural resources.

2004 “Change in use”, a conversion of Article XCVII land of a public owner from a dedicated
2005 use to a different inconsistent use, excepting any allowed nonconforming reserved use of the
2006 Article XCVII land; provided, however, that a valid nonconforming reserved use shall include,
2007 but not be limited to, a building or structure and shall be an allowed use of Article XCVII land if:
2008 (i) such use has been declared in a written instrument when land or an interest in land is taken by
2009 eminent domain, acquired or otherwise dedicated as Article XCVII land; (ii) the use, when not
2010 declared by written instrument, is preexisting and continuing when the Article XCVII land is
2011 dedicated if the use is legally permissible; or (iii) allowed by a special law approved by a 2/3
2012 vote of both branches of the general court; and provided further, that a conversion of Article
2013 XCVII land caused by natural causes or occurrences shall not be considered a change in use.

2014 “Disposition”, a transfer, conveyance or release of a public owner’s real property interest
2015 whether by deed, covenant or other instrument or by lawful means or process; provided,
2016 however, that a “disposition” shall also include a transfer or release of the public owner’s right of
2017 legal control in land; provided further, that “disposition” shall not include the termination of a
2018 lease for the use of land; and provided further, that “disposition” shall not include a revocable
2019 permit or license that authorizes another to use Article XCVII land of a public owner if: (i) the
2020 use is consistent with dedicated or allowed uses of the Article XCVII land including, but not
2021 limited to a forest or harvesting conducted pursuant to an approved cutting plan; and (ii) the
2022 permit or license does not transfer or release a real property interest in the Article XCVII land.

2023 “Executive office”, the executive office of energy and environmental affairs.

2024 “Land”, land that is without or with water including, but not limited to, estuaries, creeks,
2025 streams, rivers, ponds, lakes, marshes, floodplains, wetlands and coastal tidelands; provided,

2026 however, that “land” shall not include ocean land lying seaward of the mean low water mark of
2027 coastal areas that are within the marine boundaries of the commonwealth.

2028 “Public owner”, the commonwealth, its agencies, executive offices, departments, boards,
2029 bureaus, divisions, authorities and political subdivisions including, but not limited to,
2030 municipalities, counties, districts and other governmental bodies and instrumentalities of the
2031 commonwealth that hold Article XCVII land.

2032 “Real property interest” or “interest in land”, an ownership or other legal interest or right
2033 in land including, but not limited to, fee simple interest, easement, partial interest, remainder,
2034 future interest, right of legal control, lease, conservation restriction, agricultural preservation
2035 restriction, watershed preservation restriction and historical preservation restriction as defined in
2036 section 31 of chapter 184 and a development covenant or other covenant or restriction that
2037 protects natural resources.

2038 “Replacement land” land or an interest in land: (i) required under this chapter to be
2039 provided by a public owner to replace the loss of Article XCVII land as a result of a disposition
2040 or change in use; and (ii) to be taken by eminent domain, acquired or otherwise dedicated by the
2041 public owner as Article XCVII land; provided, however, that “replacement land” shall not
2042 include existing Article XCVII land unless, when taken by eminent domain, acquired or
2043 otherwise dedicated by the public owner as Article XCVII land, it was to substitute for other
2044 Article XCVII land proposed for disposition or change in use.

2045 “Secretary”, the secretary of energy and environmental affairs or an authorized
2046 representative.

2047 “State agency”, a legal entity of state government established by the general court as an
2048 agency, board, bureau, commission, department, office or division of the commonwealth with a
2049 specific mission which may either report to executive offices or secretariats or be independent
2050 divisions or departments; provided, however, that “state agency” shall not include counties as
2051 defined in section 1 of chapter 7C.

2052 Section 2. (a) To protect the natural resources of the commonwealth and to prevent a net
2053 loss of Article XCVII land, a public owner making a disposition or change in use of Article
2054 XCVII land shall acquire or otherwise provide replacement land. Replacement land for a
2055 disposition or change in use of Article XCVII land shall be: (i) equal or greater in area; (ii)
2056 comparable or better in natural resource value; (iii) located within the same municipal
2057 boundaries, if feasible; and (iv) not less than the equivalent kind of the real property interest
2058 being replaced.

2059 (b) A public owner, when acquiring or providing replacement land, shall execute a
2060 written declaratory instrument to confirm that such land or interest in land is subject to protection
2061 under Article XCVII and shall record the instrument in the appropriate registry of deeds or land
2062 court department of the trial court for the county or district wherein the land is situated. When
2063 executed, the instrument shall include the dedication date of the Article XCVII land and a
2064 specific description of the Article XCVII land with the restricted and allowed uses of the land.
2065 Such instrument shall not preempt or limit a public owner’s use of any other lawful method to
2066 dedicate Article XCVII land. The failure of the public owner to execute or record a declaratory
2067 instrument shall not invalidate any existing Article XCVII protection of the replacement land.

2068 Section 3. (a) A public owner of Article XCVII land shall notify the secretary when the
2069 public owner proposes making a disposition or change in use of the Article XCVII land. Such
2070 notification shall be in writing and made in such manner as the secretary by regulation shall
2071 prescribe which shall include the information and documentation as required under subsections
2072 (c) and (d).

2073 The secretary shall adopt regulations requiring that notification by a public owner shall
2074 be made as early as practicable and prior to the filing of a petition with the general court to
2075 authorize the proposed Article XCVII land disposition or change in use, to allow the secretary
2076 adequate time to review the proposal. The review shall include a plan of the public owner to
2077 provide replacement land. Unless otherwise provided in this section, the notification to the
2078 secretary shall be submitted at least 20 days before the public owner makes a decision to adopt a
2079 proposal for a disposition or change in use of its Article XCVII land.

2080 For Article XCVII land held by a municipality, notification to the secretary shall be
2081 required at least 30 days before a vote of town meeting or city council, as appropriate, on the
2082 municipality's proposed disposition or change in use of the Article XCVII land. If the Article
2083 XCVII land is located outside the municipality's boundaries, then the municipality shall make
2084 like notification to the local conservation commission in the municipality wherein the land is
2085 situated.

2086 For Article XCVII land held by a state agency, notification to the secretary shall be
2087 required in the time and manner provided in subsection (a) of section 8.

2088 The secretary shall post notification information received on Article XCVII land
2089 proposals and replacement plans on the public website of the executive office.

2090 (b) In the event Article XCVII land is to be taken by eminent domain, the authorized
2091 board acting for the public owner or other entity shall, within 10 days after adopting a lawful
2092 order of intention to take the land, notify the secretary of the proposed taking. Such notification
2093 shall be in writing and made in the manner and with any necessary information relevant to the
2094 taking of the land as the secretary by regulation shall prescribe.

2095 (c) Regulations adopted by the secretary under subsection (a) shall require that
2096 notification by a public owner of a proposed disposition or change in use of Article XCVII land
2097 shall provide sufficient information about the proposal and its advantages and disadvantages to
2098 the public and the environment. Such regulations shall require current information about the
2099 Article XCVII land proposed for disposition or change in use including, but not limited to: (i) a
2100 description of the land including its location, natural resource uses and benefits, approximate size
2101 and boundaries, devoted and allowed uses and buildings and structures thereon; (ii) the
2102 property's fair market value based on the municipal assessment; (iii) whether the land or any part
2103 thereof is designated as a wetland, flood zone, public water supply, public water supply
2104 protection area or priority habitat for state-listed species that are endangered, threatened or of
2105 special concern or subject to chapter 258 of the acts of 1996 or a nondevelopment covenant; (iv)
2106 a general description of abutting parcels; (v) any owners that hold a real property interest and a
2107 description of each respective interest; (vi) copies of any deeds, easements, covenants,
2108 restrictions, declarations and other instruments that are public records and show: (1) each
2109 owner's real property interest; and (2) the land's intended use for a specific natural resource
2110 purpose; (vii) a description of the proposed disposition or change in use and the reasons for the
2111 proposal, including anticipated changes to the land, and the intended grantees of any proposed
2112 transfer of a real property interest; and (viii) whether the public owner's acquisition of the land

2113 was obtained with funds, grants or loans from any federal, state or local source or from a
2114 donation or bequest with a condition that the gift be used for natural resource purposes.

2115 The regulations shall require that as part of the notification process that the public owner
2116 certify in writing to the secretary that the public owner has considered alternatives to the
2117 proposed disposition or change in use of the Article XCVII land and has determined no other
2118 feasible or practicable alternative exists. The public owner shall provide information about any
2119 alternative considered and the reason such alternative was not selected.

2120 (d) The regulations adopted by the secretary under subsection (a), shall require current
2121 information about any plan of the public owner to acquire or provide replacement land including,
2122 without limitation: (i) the same kind of information listed in clauses (i) to (iv), inclusive, of
2123 subsection (c) specific to the replacement land; (ii) the condition of the land and the relevant
2124 current and prior uses of the land; (iii) owners that will hold a real property interest in the
2125 replacement land and a description of each respective interest; and (iv) a description of the
2126 intended source of the replacement land to be acquired or provided and information about any
2127 funds, grants, loans or other consideration to purchase or obtain such replacement land.

2128 (e) A public owner shall supplement the information in subsections (c) and (d) relative to
2129 an Article XCVII land proposal and replacement land plan as the secretary shall prescribe by
2130 regulation.

2131 (f) After receipt of a public owner's notification that contains sufficient information, the
2132 secretary shall, if requested by the public owner, provide to the public owner a provisional or
2133 final opinion on whether the proposed replacement land plan meets the no-net-loss requirements
2134 of subsection (a) of section 2.

2135 Section 4. (a) Notwithstanding the requirements of subsection (a) of section 2, a public
2136 owner may request from the secretary a waiver to provide replacement land for a disposition or
2137 change in use of the public owner’s Article XCVII land. Upon a public owner’s written request,
2138 the secretary may grant a full or partial waiver releasing the public owner from any requirement
2139 to provide replacement land, subject to this subsection. Waiver requests shall be made in the
2140 manner and shall include any related information as the secretary shall prescribe. In granting a
2141 waiver, the secretary may impose conditions, if necessary, to accomplish the intended purpose of
2142 the disposition or change in use of the Article XCVII land. A decision by the secretary to deny a
2143 waiver or to grant waiver with conditions shall be in writing and shall state the reasons for that
2144 decision. Waivers shall be limited to those circumstances as described below.

2145 A full or partial waiver may be granted when the disposition or change in use of Article
2146 XCVII land will: (i) transfer only a right of legal control of the land between state agencies to be
2147 held for the same Article XCVII natural resource purposes and, if applicable, with the same
2148 reserved uses; (ii) transfer only a right of legal control in the land between any department,
2149 division, board or agency of the same municipality to be held for Article XCVII natural resource
2150 purposes and, if applicable, with the same reserved uses; (iii) transfer a lease interest for a natural
2151 resource purpose or use for a term not exceeding 5 years; (iv) serve to largely protect, preserve or
2152 promote the existing natural resource purposes and uses of the Article XCVII land; (v) grant an
2153 easement to grade and alter land elevations to prevent erosion or provide lateral support to
2154 adjacent land; (vi) grant an easement to allow for the temporary use of the Article XCVII land
2155 for a different purpose for a period not exceeding 5 years with the condition that the land be
2156 reasonably restored before the easement period ends; (vii) grant an easement or lease for
2157 subterranean use of the land for green energy projects that will not affect adversely the dedicated

2158 natural resource purposes of the Article XCVII land; (viii) affect a land area not exceeding 2,500
2159 square feet that is insignificant for the dedicated natural resource purposes of the Article XCVII
2160 land; provided, however, that if the land is part of a larger parcel, no other disposition or change
2161 in use of that parcel has occurred within 5 years before making a waiver request to the secretary;
2162 or (ix) transfer a real property interest of a public owner to another public owner; provided,
2163 however, that upon transfer, such interest shall be protected under Article XCVII and shall be
2164 used for the same natural resource purposes and allowed uses.

2165 If after a complete review of a public owner's waiver request and replacement land
2166 information the secretary determines that there are other extraordinary circumstances in
2167 providing suitable replacement land within a particular municipality's boundaries or nearby, the
2168 secretary may issue a partial waiver to allow for modified replacement land; provided, however,
2169 the overall intent of no net loss of Article XCVII land shall be attained to the maximum extent
2170 practicable and the replacement land allowed shall be comparable or better in natural resource
2171 value to the Article XCVII land being replaced.

2172 (b) As a condition for granting to the public owner a full or partial waiver to provide
2173 replacement land under clause (vi) of subsection (a) for the temporary use of land, the secretary
2174 may require that a performance bond of satisfactory amount for any uncompleted restoration of
2175 the land shall be provided.

2176 (c) When determining whether the square footage of required replacement land is
2177 sufficient, the secretary shall not include any aboveground area for an allowed use that is
2178 exclusively for other than natural resources purposes related to the replacement land or to the
2179 Article XCVII protected land.

2180 (d) When determining whether the proposed replacement land is comparable or better in
2181 natural resources value under clause (ii) of subsection (a) of section 2, the secretary shall, in
2182 addition to other factors, consider the land's location and condition, intended and allowed uses
2183 and overall natural resource benefits.

2184 (e) This chapter and regulations adopted pursuant to this chapter shall not be subject to
2185 section 27C of chapter 29.

2186 Section 5. The secretary shall provide to public owners information and education on the
2187 policies, requirements and best practices to protect Article XCVII land. To assist a public owner,
2188 the secretary as the secretary determines, shall offer advice, guidance and technical assistance
2189 with the development of preliminary and proposed plans for the disposition or change in use of
2190 Article XCVII land and replacement land alternatives. Such assistance shall include an
2191 assessment of the anticipated effect of regional climate change in the development of a proposed
2192 plan and any alternative options. Upon request of a public owner, the secretary shall review and
2193 make written a evaluation of whether the public owner's preliminary or proposed plan, or any
2194 revision of the plan, complies with the Article XCVII no-net-loss requirements under subsection
2195 (a) of section 2. A copy of the written evaluation shall be provided to the public owner.

2196 Section 6. (a) The secretary shall provide to the general court a written recommendation
2197 to approve or disapprove each legislative petition that proposes a disposition or change in use of
2198 Article XCVII land. If possible, the secretary shall make the recommendation before the first
2199 public hearing on the petition by a joint legislative committee. The recommendation shall
2200 identify the petition and include the secretary's opinion as to whether: (i) the disposition or
2201 change in use, including any required replacement land, complies with the Article XCVII no-net-

2202 loss requirements under subsection (a) of section 2; (ii) the disposition or change in use will
2203 benefit the public; and (iii) the required replacement land will provide equal or greater public
2204 environmental benefits.

2205 The secretary shall also include with such recommendation whether the legislation
2206 adequately identifies the Article XCVII land and required replacement land and contains the
2207 necessary terms and conditions. In the secretary’s statement, the secretary shall detail the reasons
2208 for the recommendation on the legislative petition and shall identify all alternatives to the
2209 proposed disposition or change in use of the Article XCVII land that were considered and
2210 reported by the public owner, including information reported about any alternative that the public
2211 owner did not select. If insufficient information about a proposed disposition or change in use of
2212 Article XCVII land or replacement land precludes the secretary from giving a full opinion, the
2213 secretary shall make known this circumstance and reason in the recommendation.

2214 The secretary shall adopt regulations establishing standards for providing
2215 recommendations to the general court on Article XCVII land legislation. The regulations shall
2216 allow a recommendation of approval of such legislation if the secretary’s opinion agrees with the
2217 statements contained in clauses (i) to (iii), inclusive of the first paragraph and, if otherwise, the
2218 secretary shall recommend such legislation not be approved. Notwithstanding the foregoing, the
2219 regulations shall allow the secretary to recommend approval of the legislation if the secretary
2220 determines there are extraordinary circumstances for a proposed disposition or change in use of
2221 Article XCVII land or plan for replacement land if: (i) no practicable or feasible alternative
2222 exists for the proposed legislation; (ii) the proposed disposition or change in use of Article
2223 XCVII land is for a necessary public purpose; (iii) the overall intent of no net loss of Article

2224 XCVII land will be attained to the maximum extent practicable; and (iv) the recommendation
2225 provides the reasons for the secretary's determination.

2226 When Article XCVII land is to be taken by eminent domain from a public owner and no
2227 replacement land has been proposed, the regulations shall allow the secretary to make a qualified
2228 recommendation about the proposed legislation. As part of the recommendation, the secretary
2229 shall provide information about the proposed legislation, its advantages and disadvantages to the
2230 public and the environment and whether there are any known feasible alternatives to the
2231 proposed disposition. The secretary shall also provide an opinion as to whether the nature of the
2232 disposition proposed by the proposed legislation would qualify for a full or partial replacement
2233 land waiver. The regulations shall require the secretary to detail his reasons for his qualified
2234 recommendation.

2235 (b) If a petition related to Article XCVII land is referred to a legislative committee, the
2236 legislative committee may solicit the written recommendation of the secretary on the legislation.
2237 The secretary shall respond to the request expeditiously in the manner and using the standards
2238 and criteria set forth in subsection (a).

2239 (c) The secretary shall supplement the secretary's recommendation when Article XCVII
2240 legislation is pending, if the secretary determines that there is a subsequent change or event that
2241 materially affects a prior response.

2242 (d) The secretary shall post its recommendations on proposed legislation on the public
2243 website of the executive office.

2244 Section 7. (a) In making a determination for a disposition or change in use of Article
2245 XCVII land that includes a detailed plan to provide any required replacement land, a
2246 municipality shall first obtain the approval of its conservation commission. Approval by a
2247 conservation commission shall require a 2/3 vote at an open public meeting of the commission.
2248 No vote shall be held unless the conservation commission has conducted a public hearing on the
2249 proposed disposition or change in use. The conservation commission shall give notice of such
2250 hearing not less than 30 days before the scheduled hearing date and shall provide written notice
2251 to the local regional planning agency.

2252 Notwithstanding the first paragraph, if a disposition or change in use of Article XCVII
2253 land relates to parkland under the legal control of a municipal park commission or agricultural
2254 land under the legal control of a municipal agricultural commission, approval shall be by vote of
2255 the respective commission under the same procedures and requirements in the first paragraph for
2256 conservation commissions.

2257 (b) In making a determination for a disposition or change in use of Article XCVII land
2258 and after any approval required in subsection (a), a municipality shall obtain the approval of the
2259 city council or town meeting. If replacement land is required, a detailed plan to provide such land
2260 or land interest shall be included as part of the approval determination by the city council or
2261 town meeting. Such approval shall require a 2/3 vote of the city council or a 2/3 vote at an annual
2262 or special town meeting in support of the disposition or change in use and any replacement land
2263 plan. The vote shall be held at an open public meeting.

2264 (c) When a municipality holds Article XCVII land sited within the boundaries of another
2265 municipality, the conservation commission of the other municipality may make a

2266 recommendation to the secretary on any proposed disposition or change in use of the Article
2267 XCVII land. Before making a recommendation, the commission shall, upon reasonable notice,
2268 hold a public hearing on the proposal in the municipality. A commission's recommendation to
2269 approve or disapprove the proposed disposition or change in use shall be in writing and shall
2270 include a statement on the proposal's local environmental impacts with the reasons for its
2271 determination. Approval of a recommendation shall require a majority vote of the commissioners
2272 at an open meeting of the commission. Any such recommendation to the secretary shall be made
2273 not later than 45 days after receiving notification from the municipal owner of the Article XCVII
2274 land.

2275 Section 8. (a) When the public owner is a state agency that holds or controls Article
2276 XCVII land, the executive head of such agency or the secretary of the executive office in which
2277 such agency is located, shall make the initial proposal for any disposition or change in use of the
2278 agency's Article XCVII land. The proposal shall include a plan for replacement land or
2279 information that the proposed disposition or change in use is eligible for a replacement land
2280 waiver under subsection (a) of section 4. Such proposal shall be made in writing to the
2281 commissioner of capital asset management and maintenance and, if not making the proposal, to
2282 the secretary of energy and environmental affairs.

2283 Prior to making a determination on the proposal and not less than 60 days after receipt of
2284 the proposal, the commissioner and the secretary shall conduct a public hearing to consider the
2285 proposed Article XCVII land disposition or change in use and any replacement land to be
2286 provided by the commonwealth. The public hearing shall be in the municipality wherein the
2287 Article XCVII land is located. The commissioner, with approval of the secretary, may waive the
2288 public hearing when the proposed disposition or change in use of the Article XCVII land: (i)

2289 affects a land area not exceeding 11,000 square feet and the area is not located in a public park;
2290 (ii) affects a land area of a public park not exceeding 11,000 square feet and the area does not
2291 exceed 20 per cent of the total square footage of the park parcel; (iii) transfers the land with any
2292 existing reserved uses to another state agency to be held for the same or similar Article XCVII
2293 natural resource purposes; (iv) establishes a temporary easement related to construction or
2294 natural resource project; (v) establishes an easement to alter land grades affecting small portions
2295 of the parcel; or (vi) allows reserved uses pertaining to small buildings or structures with a
2296 combined total area not exceeding 2,500 square feet.

2297 The commissioner shall provide public notice of such hearing at least 30 days prior to the
2298 scheduled hearing date. Such notice shall be posted in the central register and on the public
2299 website of the executive office and shall be placed at least once each week for 4 consecutive
2300 weeks prior to the hearing in newspapers of general circulation in the locality wherein the Article
2301 XCVII land is situated.

2302 In the event the hearing is waived or not required, the commissioner and secretary shall
2303 accept written comments for 30 days. Public notice of the comment period shall be posted in the
2304 central register and on the executive office's public website.

2305 Within 30 days after any required hearing or comment period, the secretary shall make a
2306 determination whether the proposed disposition or change in use of the Article XCVII land and
2307 any replacement land plan complies with the Article XCVII no-net-loss requirements under
2308 subsection (a) of section 2 or a substitute method under subsection (e) of section 4. Alternatively,
2309 the secretary shall determine whether such proposed disposition or change in use qualifies for a
2310 replacement land waiver. Such determination shall be in writing and shall provide the reasons for

2311 that decision and any recommendations and comments about the proposal. The secretary shall
2312 provide a copy of the determination to the commissioner, the secretary of administration and
2313 finance and the state agencies affected by the proposal and shall post the determination on the
2314 executive office's public website. The secretary's determination shall be submitted with any
2315 request of the commissioner to the general court to authorize the disposition or change in use of
2316 such proposed Article XCVII land.

2317 (b) Nothing in section 4 of chapter 7B sections 33 and 34 of chapter 7C shall limit or
2318 modify the requirements of this chapter applicable to the disposition or change in use of Article
2319 XCVII land held or controlled by a state agency.

2320 (c) In the event of an emergency affecting public health and safety that necessitates a
2321 temporary and significant change in use of Article XCVII land of the commonwealth, the
2322 commissioner of capital asset management and maintenance upon written certification of such
2323 emergency and with the approval of the secretary may waive or reduce the time period for any
2324 public notice, hearing or comment period required under subsection (a) regarding such land use.
2325 The certification shall identify the current and proposed change in use of the land and the
2326 commissioner's reasons for the proposed action.

2327 Section 9. (a) When the public owner is a regional conservation district that holds Article
2328 XCVII land that it has proposed for disposition or change in use, the supervisors of the
2329 conservation district shall approve such disposition or change in use and any plan to provide
2330 replacement land. Such approval shall require a 2/3 vote of the supervisors at an open meeting.
2331 No vote shall be held unless the supervisors first conduct a public hearing on the proposed
2332 disposition or change in use and replacement land plan. Such public hearing shall be conducted

2333 in the municipality where the land protected under Article XCVII is located. The chairperson of
2334 the district supervisors shall provide public notice of the hearing not less than 30 days before the
2335 scheduled hearing date.

2336 (b) When the public owner is a county government not abolished by chapter 34 or other
2337 law which holds Article XCVII land that it proposes for disposition or change in use, the county
2338 commissioners shall approve such disposition or change in use and any plan to provide
2339 replacement land. Such approval shall require a 2/3 vote of the county commissioners at an open
2340 meeting. No vote shall be held unless the county commissioners conduct a public hearing on the
2341 proposed disposition or change in use and replacement land plan. The county commissioners
2342 shall provide public notice of the hearing not less than 30 days before the scheduled hearing date.

2343 (c) When a public owner, other than a municipality, state agency, conservation district or
2344 unabolished county government holds Article XCVII land it proposes for disposition or change
2345 in use, the public owner shall conduct a public hearing not less than 30 days prior to its final
2346 determination on the proposal and any plan to provide replacement land. A final determination to
2347 authorize the proposed disposition or change in use of Article XCVII land shall be by a vote of
2348 an authorized board, commission or other body of the public owner but if no such board,
2349 commission or body exists, then by a written decision of the public owner's executive officer.
2350 The hearing shall be conducted in the municipality where the Article XCVII land is situated. The
2351 public owner shall give public notice of the hearing not less than 30 days before the scheduled
2352 hearing date.

2353 Section 10. The public notice required under sections 8 and 9 for each city or town in
2354 which the Article XCVII land is located shall be by separate written notice to the city manager in

2355 the case of a city under a Plan E form of government, the mayor and city council in the case of
2356 all other cities, the chair of the board of selectmen in the case of a town, the regional planning
2357 agency and the representative members of the general court.

2358 Section 11. A public owner that has made a disposition or change in use of Article XCVII
2359 land shall notify the secretary regarding that disposition or change of use when: (i) the public
2360 owner acquires or provides any required replacement land; (ii) a temporary easement in the
2361 Article XCVII land terminates; (iii) an event or act completes the Article XCVII land disposition
2362 or change in use; or (iv) upon any other event or act as the secretary shall establish by regulation.
2363 Such notification shall be made in such manner and shall include such information as the
2364 secretary shall prescribe.

2365 Section 12. Annually, the secretary shall prepare a comprehensive report describing the
2366 work of the executive office relative to the protection of Article XCVII land for the preceding
2367 calendar year. The report shall provide information about each disposition and change in use of
2368 Article XCVII land and replacement land including, but not limited to: (i) the total number of
2369 notifications received, reviews conducted and opinions provided; (ii) the total acreage and
2370 description of replacement land required to prevent a no net loss of Article XCVII land; and (iii)
2371 the total acreage of Article XCVII land that lost protection. The annual report shall be filed with
2372 the clerks of the senate and house of representatives and the chairs of the joint committee on
2373 environment, natural resources and agriculture and shall be posted on the public website of the
2374 executive office not later than the first Monday of April in the following year.

2375 Section 13. (a) When a public owner's Article XCVII land is taken by eminent domain,
2376 the public owner shall, upon receiving the entire damage award for the taking, acquire or provide

2377 suitable replacement land. The replacement land shall meet the no-net-loss requirements of
2378 clauses (i) to (4), inclusive, of subsection (a) of section (2); provided, however, that the
2379 replacement land required shall be limited by the total value of the award for damages sustained
2380 by the public owner resulting from the land taking. The value of any land and additional funds
2381 conveyed or transferred to the public owner to replace the loss of Article XCVII land which may
2382 be partially or entirely in lieu of damages shall be considered an award for damages for the
2383 purpose of determining the total value limitation under this subsection.

2384 Before acquiring or providing replacement land, the public owner shall consult with the
2385 secretary to review the proposed replacement land. The secretary shall determine whether the
2386 replacement land complies with the no-net-loss requirements subject to after taking into
2387 consideration the total value limitations on replacement land. The secretary shall provide the
2388 public owner with an opinion as to whether the proposed replacement land is suitable.

2389 The secretary may grant a full or partial waiver to a public owner to acquire or provide
2390 replacement land under subsection (a) of section 4 when the public owner's Article XCVII land
2391 is taken by eminent domain from the public owner. Notwithstanding the foregoing, if the
2392 monetary portion of a damage award and any other compensation received by the public owner
2393 are not sufficient to acquire or provide suitable replacement land, upon the public owner's
2394 request, the secretary may approve using the money for other public natural resource purposes.

2395 A public owner shall provide such relevant information to the secretary relative to the
2396 proposed replacement land under this section as the secretary shall prescribe by regulation.

2397 (b) Notwithstanding any other general law to the contrary, the secretary shall first
2398 approve any interest in land conveyed or transferred to a public owner under section 7M of

2399 chapter 81 if the conveyance or transfer is to replace Article XCVII land taken by eminent
2400 domain from a public owner.

2401 Section 14. (a) The secretary shall establish a self-subscribing email notification delivery
2402 system to send informational emails to the public and government organizations about proposed
2403 dispositions of Article XCVII land and recommendations of the secretary on related legislation.

2404 (b) Information required under this chapter to be posted on the executive office's public
2405 website shall also be posted in the environmental monitor.

2406 (c) The secretary shall not charge a fee for informational emails under subsection (a) or to
2407 access information posted on the executive office's public website as required under this chapter.

2408 SECTION 72. Subdivision (2) of section 2D of chapter 132A of the General Laws, as
2409 appearing in the 2016 Official Edition, is hereby amended by adding the following sentence:-
2410 The commissioner may also offer discounts or waive charges or fees for parking passes for
2411 veterans as defined in section 6A of chapter 115.

2412 SECTION 73. Section 14A of chapter 132B of the General Laws, as appearing in the
2413 2016 Official Edition, is hereby amended by striking out subsections (a) and (b) and inserting in
2414 place thereof the following 2 subsections:-

2415 (a) Notwithstanding this chapter, the department may assess a civil administrative
2416 penalty, not to exceed \$1,000 per violation, on any person who violates this chapter or any
2417 regulations promulgated under this chapter, provided, however, that such penalty shall not occur
2418 within a 1-year period until after that person has received 1 warning for the same violation from
2419 the department. Each day a violation continues shall constitute a separate violation.

2420 (b) The remedies provided in this section shall be available in addition to any other
2421 penalties or remedies provided by law or equity. The department may adopt and promulgate
2422 regulations to effectuate the purposes of this section.

2423 SECTION 74. Subsection (c) of said section 14A of said chapter 132B, as so appearing,
2424 is hereby amended by striking out the first paragraph and inserting in place thereof the following
2425 paragraph:-

2426 This penalty shall be assessed in addition to any other civil penalty otherwise provided
2427 for by law. Notice of assessment of a penalty pursuant to this section shall be made by service in
2428 hand, or by certified mail, return receipt requested, and shall state the amount of the
2429 administrative penalty, the date the penalty shall be due, a statement of the violator's right to an
2430 adjudicatory hearing pursuant to chapter 30A regarding the assessment, a statement of the
2431 actions the person may take in order to avoid assessment of additional penalties or to avoid
2432 waiving the right to a hearing relative to the penalty and the manner of acceptable payment if an
2433 election to waive a hearing is made.

2434 SECTION 75. The fourth paragraph of section 44 of chapter 85 of the acts of 1994 is
2435 hereby amended by inserting after the word "Canton", as appearing in section 127 of chapter 46
2436 of the acts of 2015, the following words:- , Randolph Avenue Stables at 1333 Randolph Avenue
2437 in the Blue Hills State Reservation in the town of Milton, 7 Brainard Street in the Stonybrook
2438 State Reservation in the Hyde Park section of the city of Boston.

2439 SECTION 76. To meet the expenditures necessary in carrying out section 2, the state
2440 treasurer shall, upon request of the governor, issue and sell bonds of the commonwealth in an
2441 amount to be specified by the governor from time to time but not exceeding, in the aggregate,

2442 \$1,568,500,000. All such bonds issued by the commonwealth shall be designated on their face,
2443 Environmental Loan Act of 2018, and shall be issued for a maximum term of years, not
2444 exceeding 20 years, as the governor may recommend to the general court under section 3 of
2445 Article LXII of the Amendments to the Constitution. The bonds shall be payable not later than
2446 June 30, 2043. All interest and payments on account of principal on these obligations shall be
2447 payable from the General Fund. Bonds and interest thereon issued under this section shall,
2448 notwithstanding any other provision of this act, be general obligations of the commonwealth.

2449 SECTION 77. To meet the expenditures necessary in carrying out section 2A, the state
2450 treasurer shall, upon request of the governor, issue and sell bonds of the commonwealth in an
2451 amount to be specified by the governor from time to time but not exceeding, in the aggregate,
2452 \$205,000,000. All such bonds issued by the commonwealth shall be designated on their face,
2453 Climate Change Preparedness Loan Act of 2018, and shall be issued for a maximum term of
2454 years, not exceeding 20 years, as the governor may recommend to the general court under
2455 section 3 of Article LXII of the Amendments to the Constitution. The bonds shall be payable not
2456 later than June 30, 2043. All interest and payments on account of principal on these obligations
2457 shall be payable from the General Fund. Bonds and interest thereon issued under this section
2458 shall, notwithstanding any other provision of this act, be general obligations of the
2459 commonwealth.

2460 SECTION 78. To meet the expenditures necessary in carrying out section 2B, the state
2461 treasurer shall, upon request of the governor, issue and sell bonds of the commonwealth in an
2462 amount to be specified by the governor from time to time but not exceeding, in the aggregate,
2463 \$60,333,000. All such bonds issued by the commonwealth shall be designated on their face,
2464 Clean Water Loan Act of 2018, and shall be issued for a maximum term of years, not exceeding

2465 20 years, as the governor may recommend to the general court under section 3 of Article LXII of
2466 the Amendments to the Constitution. The bonds shall be payable not later than June 30, 2043.
2467 All interest and payments on account of principal on these obligations shall be payable from the
2468 General Fund. Bonds and interest thereon issued under this section shall, notwithstanding any
2469 other provision of this act, be general obligations of the commonwealth.

2470 SECTION 79. To meet the expenditures necessary in carrying out section 2C, the state
2471 treasurer shall, upon request of the governor, issue and sell bonds of the commonwealth in an
2472 amount to be specified by the governor from time to time but not exceeding, in the aggregate,
2473 \$150,000,000. All such bonds issued by the commonwealth shall be designated on their face,
2474 Commonwealth 21st Century Parks and Trails Act of 2018, and shall be issued for a maximum
2475 term of years, not exceeding 20 years, as the governor may recommend to the general court
2476 under section 3 of Article LXII of the Amendments to the Constitution. The bonds shall be
2477 payable not later than June 30, 2043. All interest and payments on account of principal on these
2478 obligations shall be payable from the General Fund. Bonds and interest thereon issued under this
2479 section shall, notwithstanding any other provision of this act, be general obligations of the
2480 commonwealth.

2481 SECTION 80. To meet the expenditures necessary in carrying out section 2D, the state
2482 treasurer shall, upon request of the governor, issue and sell bonds of the commonwealth in an
2483 amount to be specified by the governor from time to time but not exceeding, in the aggregate,
2484 \$55,000,000. All such bonds issued by the commonwealth shall be designated on their face,
2485 Highway and Streets Projects Act of 2018, and shall be issued for a maximum term of years, not
2486 exceeding 10 years, as the governor may recommend to the general court under section 3 of
2487 Article LXII of the Amendments to the Constitution. The bonds shall be payable not later than

2488 June 30, 2033. All interest and payments on account of principal on these obligations shall be
2489 payable from the General Fund. Bonds and interest thereon issued under this section shall,
2490 notwithstanding any other provision of this act, be general obligations of the commonwealth.

2491 SECTION 81. To meet the expenditures necessary in carrying out section 2E, the state
2492 treasurer shall, upon request of the governor, issue and sell bonds of the commonwealth in an
2493 amount to be specified by the governor from time to time but not exceeding, in the aggregate,
2494 \$178,500,000. All bonds issued by the commonwealth as aforesaid shall be designated on their
2495 face, Highway Act of 2018, and shall be issued for a maximum term of years, not exceeding 30
2496 years, as the governor recommends in a message to the general court pursuant to section 3 of
2497 Article LXII of the Amendments to the Constitution. All such bonds shall be payable not later
2498 than June 30, 2053, pursuant to said section 3 of said Article LXII. All interest and payments on
2499 account of principal on these obligations shall be payable from the General Fund.
2500 Notwithstanding any other general or special law to the contrary, bonds issued under this section
2501 and interest thereon shall be general obligations of the commonwealth.

2502 SECTION 82. Notwithstanding any general or special law to the contrary, the department
2503 of conservation and recreation shall conduct a study of a certain parcel of land that was conveyed
2504 pursuant to chapter 851 of the acts of 1977 to ensure that the current use of the land complies
2505 with the terms of said chapter 851 and the terms of the conveyance executed pursuant to said
2506 chapter 851 and shall issue a report on its findings to the senate and house committees on ways
2507 and means not later than July 1, 2019.

2508 SECTION 83. Notwithstanding any general or special law to the contrary, the
2509 commissioner of conservation and recreation may expend, without further appropriation, sums

2510 collected and held in accordance with chapter 673 of the acts of 1950 on repairs, replacements
2511 and improvements to the facilities and buildings on the Dilboy Stadium property in the city of
2512 Somerville.

2513 SECTION 84. Notwithstanding section 30 of chapter 29 of the General Laws or section
2514 65 of chapter 30 of the General Laws, a portion of the funds authorized in this act may be used
2515 for the costs associated with the purchase of title insurance and services for title examinations,
2516 reports and certifications; provided, however, that any executive department or state agency
2517 expending such funds shall maximize efforts and utilize all available means to minimize use of
2518 capital funds for such purposes.

2519 SECTION 85. Notwithstanding any general or special law to the contrary, any executive
2520 department or state agency expending funds authorized in this act shall maximize efforts and
2521 utilize all available means to minimize use of capital funds to pay for services rendered by
2522 agency employees or consultants.

2523 SECTION 86. Notwithstanding any general or special law to the contrary, upon
2524 acquiring any fee interest in land for purposes pursuant to Article XCVII of the Amendments to
2525 the Constitution, all state agencies, commissions and boards expending or receiving state funds
2526 under this act shall obtain the approval of the secretary of energy and environmental affairs
2527 before implementing or endorsing any prohibition of fishing, hunting or trapping on that land
2528 and shall provide the secretary with written justification of the prohibition.

2529 SECTION 87. The sums made available in sections 2 to 2E, inclusive, shall be available
2530 for expenditure in the 5 fiscal years following June 30 of the calendar year in which the
2531 appropriation is made and any portion of such appropriation representing encumbrances

2532 outstanding on the records of the state comptroller's office at the close of the fifth fiscal year
2533 may be applied to the payment thereof any time thereafter.

2534 SECTION 88. Each agency acquiring land or an interest in land under this act may
2535 expend an amount not to exceed 5 per cent of the amount appropriated to that agency for the
2536 purpose of reimbursing nonprofit land conservation organizations or land trusts for reasonable
2537 expenses directly associated with the acquisition of land or interests in land subsequently
2538 conveyed to the commonwealth. Reimbursements shall be made at the discretion of the agency.
2539 The secretary of energy and environmental affairs shall determine by regulation what shall
2540 constitute reasonable expenses. If the commonwealth does not take title to the property through
2541 no fault of the nonprofit organization or the commonwealth, the commonwealth may reimburse
2542 the nonprofit organization for reasonable expenses associated with due diligence. An
2543 organization receiving a reimbursement under this section shall convey the land or interest in
2544 land to the agency for an amount not to exceed the actual purchase price paid by the organization
2545 for the land or interest in land in addition to any reimbursement received under this section.

2546 SECTION 89. To provide for the continued availability of certain bond-funded spending
2547 authorizations which otherwise would expire, the unexpended balances of the following capital
2548 accounts are hereby extended through June 30, 2023, for the purposes of and subject to the
2549 conditions stated for these items in the original authorizations and any amendments to such
2550 authorizations: 2000-2010, 2000-2011, 2000-2012, 2000-2013, 2000-2014, 2000-2015, 2000-
2551 2016, 2000-2017, 2000-2018, 2000-2019, 2000-2020, 2000-2021, 2000-2022, 2000-2023, 2000-
2552 2024, 2000-2025, 2000-2026, 2000-2028, 2000-2029, 2000-2035, 2000-6966, 2000-6967, 2000-
2553 6969, 2000-7013, 2000-7014, 2000-7015, 2000-7016, 2000-7018, 2000-7022, 2000-7023, 2000-
2554 7024, 2000-7025, 2000-7026, 2000-7028, 2000-7029, 2000-7031, 2000-7051, 2000-7052, 2000-

2555 7053, 2000-7054, 2000-7055, 2000-7056, 2000-7057, 2000-7058, 2000-7059, 2000-7060, 2000-
2556 7061, 2000-7062, 2000-7063, 2000-7066, 2000-7070, 2200-2011, 2200-2014, 2200-2015, 2200-
2557 2017, 2200-2019, 2200-7011, 2200-7012, 2200-7013, 2200-7014, 2200-7015, 2200-7017, 2200-
2558 7018, 2200-7021, 2200-7023, 2200-7025, 2200-7991, 2240-8820, 2250-8820, 2250-8822, 2300-
2559 2010, 2300-2011, 2300-2012, 2300-2014, 2300-2017, 2300-7010, 2300-7011, 2300-7013, 2300-
2560 7014, 2300-7016, 2300-7017, 2300-7018, 2300-7020, 2300-7021, 2300-7023, 2300-7024, 2300-
2561 7025, 2300-7026, 2300-7027, 2300-7028, 2500-7011, 2500-7012, 2500-7013, 2500-7014, 2500-
2562 7023, 2500-7024, 2800-0103, 2800-0109, 2800-0611, 2800-2019, 2800-7011, 2800-7012, 2800-
2563 7013, 2800-7015, 2800-7016, 2800-7017, 2800-7018, 2800-7019, 2800-7022, 2800-7027, 2800-
2564 7031, 2800-7032, 2800-7035, 2800-7097, 2800-7098, 2800-7107, 2800-7108, 2800-7109, 2810-
2565 3302, 2810-7872, 2810-8802, 2820-1420, 2820-2011, 2820-2012, 2820-8861, 2840-2013, 2840-
2566 2014, 2840-2019, 2840-2023, 2840-7017, 2840-7024, 2840-7026, 2840-7027, 2840-7993, 2850-
2567 6967, 2850-9951, 2890-2023, 2890-2040, 2890-7010, 2890-7011, 2890-7020, 2890-7035, 6720-
2568 1350, 6720-1335, 7100-3022, 9300-3909, 9300-7010, 9300-7030, 9300-7031, 9300-7909, 9300-
2569 7918, 9300-7919.

2570 SECTION 90. The first state plan required by section 10 of chapter 21N of the General
2571 Laws shall be completed not later than September 16, 2018.

2572 SECTION 91. Any person serving as an inspector of animals on the effective date of this
2573 act shall, within 1 year after such effective date, complete all state-funded training that the
2574 director of animal health determines is required for newly-appointed inspectors of animals under
2575 section 18 of chapter 129 of the General Laws, as appearing in section 23.

2576 SECTION 92. (a)(1)Notwithstanding sections 32 to 37 of chapter 7C of the General Laws
2577 or any other general or special law to the contrary, the commissioner of capital asset
2578 management and maintenance, in consultation with the department of conservation and
2579 recreation, may grant nonexclusive permanent easements to the city of Quincy over portions of a
2580 certain parcel of land held for conservation and recreation purposes, such land being adjacent to
2581 the Furnace Brook and along the Furnace Brook Parkway approximately from Dayton street in
2582 the north to Cross street in the south and as depicted on site plans entitled “Exhibit B – Furnace
2583 Brook Enhancements Permanent Easement Plans”, dated May 30, 2018, prepared by Woodard &
2584 Curran.

2585 (2) The permanent easements shall be used solely for the operation and maintenance of
2586 the improvements associated with the flood control plan and grading established for flood
2587 compensation, subject to the requirements of this section and to such additional terms and
2588 conditions consistent with this section as the commissioner of capital asset management and
2589 maintenance may prescribe. Prior to granting any easement, the division of capital asset
2590 management and maintenance may make minor modifications to the plan and easement areas to
2591 carry out the purposes of this section.

2592 (b) An independent appraisal of the fair market value and value in use of the easements
2593 described in subsection (a) shall be prepared in accordance with the usual and customary
2594 professional appraisal practices by a qualified appraiser commissioned by the commissioner of
2595 capital asset management and maintenance. Consideration for the grant of the easements
2596 described in said subsection (a) shall be the full and fair market value or the value in proposed
2597 use, whichever is greater, as determined by the commissioner of capital asset management and
2598 calculated with regard to its full development potential as assembled with other lands owned or

2599 otherwise controlled by the city. The commissioner of capital asset management and
2600 maintenance shall submit the appraisal to the inspector general for review and comment. The
2601 inspector general shall review and approve the appraisal and the review shall include an
2602 examination of the methodology utilized for the appraisal. The inspector general shall prepare a
2603 report of such review and file the report with the commissioner of capital asset management and
2604 maintenance for submission by the commissioner to the house and senate committees on ways
2605 and means and the joint committee on state administration and regulatory oversight. The
2606 commissioner shall submit copies of the appraisal and the inspector general's review and
2607 approval and comments, if any, to the house and senate committees on ways and means and the
2608 joint committee on state administration and regulatory oversight at least 15 days prior to the
2609 execution of any documents effecting the transfers described in said subsection (a).

2610 (c) To ensure a no-net-loss of lands protected for natural resource purposes, the city of
2611 Quincy shall compensate the commonwealth for the easements described in subsection (a)
2612 through the transfer to the department of conservation and recreation of land, an interest of land
2613 or funding for the acquisition of land or an interest therein equal to or greater than the highest
2614 appraised value as determined under subsection (b). The fair market value of any land or interest
2615 in land proposed to be conveyed by the city to the department shall be included within the
2616 appraisal prepared pursuant to said subsection (b). The land, interest in land or funding shall be
2617 acceptable to the department of conservation and recreation and any land or interest in land,
2618 whether conveyed by the city or acquired by the department, shall be permanently held and
2619 managed for conservation and recreation purposes by the department. If the appraised value of
2620 any land or interests in land proposed for conveyance to the commonwealth are determined to be
2621 greater than the appraised value of the easements described in said subsection (a), the

2622 commonwealth shall have no obligation to pay the difference to the city. All payments paid to
2623 the commonwealth as a result of the conveyances or grants authorized in this section shall be
2624 deposited in the Conservation Trust established in section 1 of chapter 132A of the General
2625 Laws.

2626 (d) The city of Quincy shall assume all costs associated with engineering, surveys,
2627 appraisals, deed preparation and other expenses deemed necessary by the commissioner of
2628 capital asset management and maintenance to execute the easements authorized in this section

2629 SECTION 93. The executive office of energy and environmental affairs shall submit an
2630 annual report detailing the progress of any projects funded through the authorizations of this act
2631 to the chairs of the joint committee on environment, natural resources and agriculture; the chairs
2632 of the senate and house committees on bonding; and the clerks of the house of representatives
2633 and the senate. The report shall include, but not be limited to, a description of any projects,
2634 previous year planned spending, previous year spending, current year planned spending, current
2635 year spending to date, original estimated project cost, total project cost to date, type of spending,
2636 type of asset and predicted useful life of the project once completed. The initial report shall be
2637 submitted not later than December 30, 2018 and subsequent reports shall be submitted not later
2638 than June 30 of each year thereafter for 10 years after the effective date of this act.

2639 SECTION 94. Notwithstanding any general or special law to the contrary, the director of
2640 marine fisheries, in consultation with the commissioner of fish and game, shall, by October 31,
2641 2018, conduct and publish a study of the current lobster fishery and provide a recommendation
2642 as to the advisability of enacting statutory and regulatory changes to allow the processing of
2643 lobster parts, other than lobster tails weighing 3 ounces or more, for sale in the commonwealth.

2644 The study shall include an economic and market analysis of potential impacts and benefits,
2645 assessment of potential state and federal law enforcement issues associated with a change in
2646 legislation or regulations, an assessment on the impacts of such changes on interjurisdictional
2647 fisheries management and a review and analysis of the potential biological and population
2648 dynamics of the Homarus Americanus species as a result of such changes.

2649 SECTION 95. There shall be a special commission to study and report on the feasibility
2650 of transferring ownership of Willett Pond and its appurtenances to the department of
2651 conservation and recreation to provide new public access for outdoor recreation and to preserve
2652 the species and ecosystem of the pond. The study shall examine costs related to the transfer,
2653 including transferring ownership at no cost to the commonwealth.

2654 The commission shall consist of: 3 persons to be appointed by the speaker of the house of
2655 representatives; 3 persons to be appointed by the president of the senate; the secretary of energy
2656 and environmental affairs or a designee; the commissioner of conservation and recreation or a
2657 designee; the commissioner of fish and game or a designee; the chairs of the boards of selectmen
2658 of the towns of Walpole, Westwood and Norwood or their designees; a representative from the
2659 Willett Pond Charitable and Protection Association, Inc. or a designee; a representative from the
2660 North Walpole Fish and Game Club, Inc. or a designee; a representative from the Neponset
2661 River Watershed Association, Incorporated or a designee. The commission shall submit its
2662 recommendations, including drafts of any proposed legislation, by filing the same with the clerks
2663 of the senate and house of representatives not later than March 31, 2019.

2664 SECTION 96. There shall be a special legislative commission to make an investigation
2665 and study relative to ocean acidification. The commission shall: (i) identify the actual and

2666 potential effects of coastal and ocean acidification on commercially-valuable marine species; (ii)
2667 identify the scientific data and knowledge gaps that may hinder the commonwealth's ability to
2668 craft policy and other responses to coastal and ocean acidification; and (iii) prioritize the
2669 strategies for filling those gaps to provide policies and tools to respond to the adverse effects of
2670 coastal and ocean acidification on commercially-important fisheries and the commonwealth's
2671 shellfish aquaculture industry.

2672 (b) The commission shall consist of: the house and senate chairs of the joint committee
2673 on environment, natural resources and agriculture who shall be co-chairs of the commission; 3
2674 members of the senate, 1 of whom shall be appointed by the minority leader; 3 members of the
2675 house of representatives, 1 of whom shall be appointed by the minority leader; the director of
2676 marine fisheries or a designee; the commissioner of environmental protection or a designee; the
2677 director of coastal zone management or a designee and 8 persons to be appointed by the
2678 governor, 2 of whom shall be representatives of an environmental or community group, 3 of
2679 whom shall be commercial fishermen, including 1 who shall be a holder of a shellfish
2680 aquaculture license, 1 who shall be a holder of a commercial fisherman lobster permit and 1 who
2681 shall be a holder of a commercial fisherman shellfish permit and 3 of whom shall be scientists
2682 who have studied coastal or ocean acidification;

2683 (c) All appointments shall be made not later than 30 days after the effective date of this
2684 section. The co-chairs shall convene the first meeting of the special commission within 45 days
2685 after all appointments have been made.

2686 (d) The commission shall meet at least 4 times to review, study and analyze existing
2687 scientific literature and data on coastal and ocean acidification and how it has affected or

2688 potentially will affect commercially-harvested and grown species along the and shall address: (i)
2689 the factors contributing to coastal and ocean acidification; (ii) how to mitigate coastal and ocean
2690 acidification; (iii) critical scientific data and knowledge gaps pertaining to coastal and ocean
2691 acidification as well as critical scientific data and knowledge gaps pertaining to the effects of
2692 coastal and ocean acidification on species that are commercially harvested and grown along the
2693 commonwealth's coast; (iv) steps to strengthen existing scientific monitoring, research and
2694 analysis regarding the causes of and trends in coastal and ocean acidification; and (v) steps to
2695 take to provide recommendations to the general court and to increase public awareness of coastal
2696 and ocean acidification.

2697 (e) The commission shall include in its review of the relevant scientific literature and data
2698 the results of studies presented at the conferences or workshops held in New England or the
2699 northeast region that relate to coastal and ocean acidification and shall coordinate with the
2700 Northeast Coastal Acidification Network and the National Caucus of Environmental Legislators
2701 to prevent duplication of effort. The commission shall conduct public hearings to gather
2702 information and the joint committee on environment, natural resources and agriculture shall
2703 provide staff and other resources as the co-chairs consider appropriate. The commission shall
2704 submit a report of its findings and recommendations, together with drafts of legislation necessary
2705 to carry out those recommendations, by filing the same with the clerks of the senate and house of
2706 representatives and the joint committee on environment, natural resources and agriculture not
2707 later than December 31, 2018.

2708 SECTION 97. Notwithstanding any general or special law to the contrary, the
2709 department of environmental protection shall assess its authority to address impacts of a
2710 municipal withdrawal of water on bordering or nearby municipal surface water source affected

2711 by the withdrawal pursuant to a permit granted under chapter 21G of the General Laws and
2712 report its finding to the clerks of the senate and house or representatives not later than December
2713 31, 2018.

2714 SECTION 98. The department of energy resources shall promulgate guidelines for
2715 illumination by new permanent outdoor fixtures for applications under section 38 of chapter 85
2716 of the General Laws so that the illuminance levels required for the intended purpose as defined in
2717 the most recent edition of The Lighting Handbook published by the Illuminating Engineering
2718 Society shall be used; provided, however, that if a municipal or county ordinance or regulation
2719 specifies a different illuminance level, the illuminance level required for the intended purpose by
2720 the ordinance or regulation may be used.

2721 SECTION 99. The Massachusetts Department of Transportation shall review and issue a
2722 report on roadway lighting and lighting operational costs. The report shall include a review of
2723 warranting and other criteria for roadway lighting and an analysis of lighting operational costs,
2724 actions taken by the department to comply with current standards, procedures and accepted best
2725 practices relative to roadway lighting and a plan to reduce lighting operational costs through the
2726 replacement of existing lower-wattage, fully shielded fixtures and the replacement of
2727 unnecessary roadway lighting with the installation of passive safety measures. The department
2728 shall issue its report to the department of energy resources and the clerks of the senate and the
2729 house of representatives not later than January 1, 2019.

2730 SECTION 100. The department of public utilities shall, subject to its ratemaking
2731 authority, develop a rate for part-night service, dimming and controls-operated for unmetered

2732 roadway or parking-lot lighting to apply to each new electric utility rate case submitted after
2733 January 1, 2019.

2734 SECTION 101. (a) The commissioner of environmental protection shall establish
2735 performance standards for the reduction of municipal solid waste, as described in subsection (b),
2736 to achieve the purposes of the solid waste master plan and greenhouse gas reduction plan and to
2737 protect the natural environment, preserve resources, achieve progress toward the goals to reduce
2738 greenhouse gases and create green jobs. The performance standards shall be promulgated by July
2739 1, 2019.

2740 (b) The department of environmental protection shall establish performance standards for
2741 municipal solid waste reduction in each municipality on the basis of pounds per capita of solid
2742 waste disposed. The standards shall reduce solid waste to not more than 600 pounds per capita
2743 by July 1, 2020 and not more than 450 pounds per capita by July 1, 2024. A municipality that
2744 does not administer trash and recycling collection shall be exempt from meeting performance
2745 standards for municipal solid waste reduction established in this section; provided, however, that
2746 the municipality shall confer with its residents and private waste disposal companies to establish
2747 solid waste performance standards for the municipality.

2748 (c) Not later than December 1, 2019, the secretary of energy and environmental affairs, in
2749 consultation with the department of environmental protection and the department of energy
2750 resources, shall develop a municipal solid waste standards action plan to assist municipalities in
2751 achieving the standards set forth in subsections (a) and (b) The secretary shall review the
2752 effectiveness of existing recycling programs and other incentives available to achieve these
2753 standards and shall make any recommendations available to the public on the website of the

2754 executive office of energy and environmental affairs. Recommendations may include, but shall
2755 not be limited to, potential regulatory or statutory changes to the solid waste master plan, the
2756 Clean Energy and Climate Plan for 2020 or the green communities program. The secretary shall
2757 consult with the solid waste advisory committee in developing the plan.

2758 (d) Annually, not later than September 1, each city and town shall report to the
2759 department of environmental protection the total weight of solid waste disposed of through the
2760 solid waste program of the city or town during the prior fiscal year, as well as the number of
2761 households and residents who participated in the program; provided, however, that if a city or
2762 town enters into a contract with a solid waste hauler for the transportation of material for
2763 disposal and recycling, the contract may provide for the solid waste hauler to make the report to
2764 the department. If the department makes a determination that a city or town has not met the
2765 municipal solid waste reduction performance standards as prescribed by the department by July
2766 1, 2020, that city or town shall submit a report to the department setting forth the reasons that the
2767 town did not meet the standards and detailing a plan to achieve the performance standards by
2768 July 1, 2024. The department shall issue a report on the municipal solid waste programs not later
2769 than December 1 of that year that provides per capita solid waste disposal statistics for the
2770 municipal solid waste programs and shall file the report with the clerks of the senate and house
2771 of representatives and the senate and house chairs of the joint committee on environment, natural
2772 resources and agriculture. The report may disaggregate solid waste tonnage information to
2773 highlight categories of waste, including waste that is beyond the control of a city or town such as
2774 waste created as a result of a natural disaster.

2775 (e) A city or town that has a high risk of failing to reach the per capita municipal solid
2776 waste reduction standard under subsection (b) may file hardship documentation with the

2777 department of environmental protection detailing the reasons for not reaching the municipal solid
2778 waste reduction standard. The department shall prioritize sustainable materials recovery program
2779 municipal grant applications from cities and towns that submit hardship documentation under
2780 this section.

2781 (f) Notwithstanding any general or special law to the contrary, in a city or town that does
2782 not provide solid waste removal, a privately contracted waste disposal and trash hauling contract
2783 entered into on or after the effective date this act shall include a recycling option for the
2784 customers served under the contract.

2785 (g) Subsections (a) to (f), inclusive, shall be subject to appropriation.

2786 SECTION 102. Notwithstanding any special or general law, there shall be a special
2787 commission to scope a state grant or low-interest loan program for structural elevation or
2788 acquisition of properties prone to flooding in the commonwealth. Components of consideration
2789 for the structure of the program shall include: (i) funding sources; (ii) eligible expenses; (iii)
2790 applicant eligibility; (iv) the establishment of a cost-benefit analysis in determining applicant
2791 eligibility; and (v) program expenditures and pay outs.

2792 The special commission shall consist of: 2 members of the house of representatives, 1 of
2793 whom shall be appointed by the minority leader; 2 members of the senate, 1 of whom shall be
2794 appointed by the minority leader; the chair of the state board of building regulation and standards
2795 or a designee; 2 persons to be appointed by the director of the Massachusetts Emergency
2796 Management Agency, 1 of whom shall be a contractor with experience in home elevations and 1
2797 of whom shall be an insurance agent with knowledge in flood insurance and experience in
2798 guiding and consulting for mitigation activities; the acting state hazard mitigation officer of the

2799 state hazard mitigation team; the acting hazard mitigation grants supervisor of the state hazard
2800 mitigation team; a licensed lender with knowledge in flood insurance, 203K home loan lending
2801 and traditional loans used for mitigation activities who shall be appointed by the acting state
2802 hazard mitigation officer of the state hazard mitigation team; and 2 persons to be appointed by
2803 the governor, 1 of whom shall be a representative from a statewide environmental group and 1 of
2804 whom shall be a representative from the executive office of public safety and security with
2805 knowledge of the federal hazard mitigation grant program and experience with mitigation
2806 activities. The first meeting of the special commission shall take place not later than December 1,
2807 2018.

2808 The special commission shall submit its preliminary draft of any recommendations or
2809 legislation to the clerks of the senate and house of representatives and the joint committee on
2810 environment, natural resources and agriculture not later than December 1, 2019. The special
2811 commission shall submit its final draft of the program scope, together with any additional
2812 recommendations or drafts of legislation necessary to carry those recommendations into effect,
2813 by filing the same with the clerks of the senate and house of representatives and the joint
2814 committee on environment, natural resources and agriculture not later than December 1, 2020.

2815 SECTION 103. Notwithstanding any general or special law to the contrary, the secretary
2816 of energy and environmental affairs shall explore the feasibility of more extensive engagement
2817 with the United States Army Corp of Engineers to ensure beneficial reuse of dredged sand
2818 material. The study and any recommendations shall be submitted to the clerks of the senate and
2819 house of representatives not later than December 31, 2018.

2820 SECTION 104. The secretary of energy and environmental affairs may, by regulation,
2821 modify the loan terms of subsection (d) of section 27 of chapter 21A of the General Laws;
2822 provided, however, that no modifications shall be made before January 1, 2022.

2823 SECTION 105. Not later than January 6, 2020, the director of animal health shall file a
2824 report with the department of agricultural resources outlining the process, timeline and steps for
2825 designing and implementing the database pursuant to section 25 of chapter 129 of the General
2826 Laws.

2827 SECTION 106. Not later than 1 year after the effective date of this act, the secretary of
2828 energy and environmental affairs shall promulgate regulations for the requirements,
2829 administration and enforcement of chapter 131B of the General Laws.

2830 SECTION 107. Sections 4, 28 to 46, inclusive, 48 to 51, inclusive, 53 to 70, inclusive,
2831 and 72 shall take effect 90 days after the effective date of this act.

2832 SECTION 108. Section 14 shall take effect on August 1, 2019.

2833 SECTION 109. Section 47 shall take effect on March 15, 2019.