

By the Committee on Environment and Natural Resources; and
Senator Brodeur

592-02540-22

20221940c1

1 A bill to be entitled
2 An act relating to statewide flooding and sea-level
3 rise resilience; creating s. 14.2031, F.S.;
4 establishing the Statewide Office of Resilience within
5 the Executive Office of the Governor; providing for
6 the appointment of a Chief Resilience Officer;
7 creating s. 339.157, F.S.; requiring the Department of
8 Transportation to develop a resilience action plan for
9 the State Highway System; providing the goals and
10 required components of the plan; requiring the
11 department to submit the plan to the Governor and the
12 Legislature by a specified date; requiring the plan to
13 be updated every 3 years; providing requirements for
14 the updated plan; amending s. 380.093, F.S.; defining
15 terms; revising the projects the Department of
16 Environmental Protection may fund within the Resilient
17 Florida Grant Program; revising vulnerability
18 assessment requirements for noncoastal communities;
19 extending the dates by which the department must
20 complete a comprehensive statewide flood vulnerability
21 and sea-level rise data set and assessment; requiring
22 the data set to be developed in coordination with the
23 Florida Flood Hub for Applied Research and Innovation;
24 requiring eligible projects submitted to the
25 department to be ranked and included in the Statewide
26 Flood and Sea-Level Rise Resilience Plan; revising the
27 entities authorized to submit proposed projects by
28 specified dates for the plan; amending s. 380.0933,
29 F.S.; requiring the Florida Flood Hub for Applied

592-02540-22

20221940c1

30 Research and Innovation to provide tidal and storm
31 surge flooding data to counties and municipalities for
32 vulnerability assessments; amending s. 472.0366, F.S.;
33 revising the effective date of a requirement that a
34 surveyor and mapper submit a copy of completed
35 elevation certificates to the Division of Emergency
36 Management; requiring the surveyor and mapper to
37 submit a digital copy of a completed elevation
38 certificate to the division; providing an effective
39 date.

40
41 Be It Enacted by the Legislature of the State of Florida:

42
43 Section 1. Section 14.2031, Florida Statutes, is created to
44 read:

45 14.2031 Statewide Office of Resilience.—The Statewide
46 Office of Resilience is established within the Executive Office
47 of the Governor. The office shall be headed by a Chief
48 Resilience Officer, who is appointed by and serves at the
49 pleasure of the Governor.

50 Section 2. Section 339.157, Florida Statutes, is created to
51 read:

52 339.157 Resilience action plan.—

53 (1) The department shall develop a resilience action plan
54 for the State Highway System based on current conditions and
55 forecasted future events. The goals of the action plan are to do
56 all of the following:

57 (a) Recommend strategies to enhance infrastructure and the
58 operational resilience of the State Highway System which may be

592-02540-22

20221940c1

59 incorporated into the transportation asset management plan.

60 (b) Recommend design changes for retrofitting existing and
61 constructing new state highway facilities.

62 (c) Enhance partnerships for collaboration to address
63 multijurisdictional resilience needs.

64 (2) The resilience action plan must include all of the
65 following components:

66 (a) An assessment of the State Highway System to identify
67 roadway facilities and drainage outfalls that may be subject to
68 vulnerabilities associated with tidal, rainfall, the combination
69 of tidal and rainfall, and storm surge flooding, including
70 future projections of sea-level rise, using existing data for
71 current and forecasted future events. As part of the assessment,
72 the department shall do all of the following using the most up-
73 to-date National Oceanic and Atmospheric Administration
74 precipitation frequency and sea-level rise data:

75 1. Synthesize historical and current infrastructure
76 resilience issues statewide.

77 2. Evaluate alternatives for retrofitting existing systems
78 and infrastructure.

79 3. Develop prioritization criteria for resilience project
80 identification.

81 4. Develop a prioritized resilience needs project list, in
82 addition to existing projects within the work program, with the
83 associated costs and timeline.

84 5. Develop a statewide database identifying and documenting
85 those assets vulnerable to current and future flooding. The
86 department shall develop a cost estimate and schedule to enhance
87 existing data to include site-specific details and existing

592-02540-22

20221940c1

88 criteria to improve the needs prioritization.

89 (b) A systemic review of the department's policies,
90 procedures, manuals, tools, and guidance documents to identify
91 revisions that will facilitate cost-effective improvements to
92 address existing and future State Highway System infrastructure
93 vulnerabilities associated with flooding and sea-level rise.

94 (c) Provision of technical assistance to local agencies and
95 modal partners on resilience issues related to the State Highway
96 System and the deployment of local and regional solutions.

97 (3) By June 20, 2023, the department shall submit the
98 resilience action plan to the Governor, the President of the
99 Senate, and the Speaker of the House of Representatives. Every
100 third year on June 30 thereafter, the department shall submit a
101 status report reviewing updates to the action plan and the
102 associated implementation activities.

103 Section 3. Section 380.093, Florida Statutes, is amended to
104 read:

105 380.093 Resilient Florida Grant Program; comprehensive
106 statewide flood vulnerability and sea-level ~~sea-level~~ rise data
107 set and assessment; Statewide Flooding and Sea-Level ~~Sea-Level~~
108 Rise Resilience Plan; regional resilience entities.-

109 (1) LEGISLATIVE INTENT.-

110 (a) The Legislature recognizes that this ~~the~~ state is
111 particularly vulnerable to adverse impacts from flooding
112 resulting from increases in frequency and duration of rainfall
113 events, storm surge from more frequent and severe weather
114 systems, and sea-level ~~sea-level~~ rise. Such adverse impacts pose
115 economic, social, environmental, and public health and safety
116 challenges to this ~~the~~ state. To most effectively address these

592-02540-22

20221940c1

117 challenges, funding should be allocated in a manner that
118 prioritizes addressing the most significant risks.

119 (b) The Legislature further recognizes that the adverse
120 impacts of flooding and sea-level ~~sea-level~~ rise affect coastal
121 and inland communities all across the state. Consequently, a
122 coordinated approach is necessary to maximize the benefit of
123 efforts to address such impacts and to improve the state's
124 resilience to flooding and sea-level ~~sea-level~~ rise.

125 (c) The Legislature further recognizes that to effectively
126 and efficiently address and prepare for the adverse impacts of
127 flooding and sea-level ~~sea-level~~ rise in this ~~the~~ state, it is
128 necessary to conduct a comprehensive statewide assessment of the
129 specific risks posed to this ~~the~~ state by flooding and sea-level
130 ~~sea-level~~ rise and develop a statewide coordinated approach to
131 addressing such risks.

132 (2) DEFINITIONS.—As used in this section, the term:

133 (a) "Critical asset" includes:

134 1. Transportation assets and evacuation routes, including
135 airports, bridges, bus terminals, ports, major roadways,
136 marinas, rail facilities, and railroad bridges.

137 2. Critical infrastructure, including wastewater treatment
138 facilities and lift stations, stormwater treatment facilities
139 and pump stations, drinking water facilities, water utility
140 conveyance systems, electric production and supply facilities,
141 solid and hazardous waste facilities, military installations,
142 communications facilities, and disaster debris management sites.

143 3. Critical community and emergency facilities, including
144 schools, colleges, universities, community centers, correctional
145 facilities, disaster recovery centers, emergency medical service

592-02540-22

20221940c1

146 facilities, emergency operation centers, fire stations, health
147 care facilities, hospitals, law enforcement facilities, local
148 government facilities, logistical staging areas, affordable
149 public housing, risk shelter inventory, and state government
150 facilities.

151 4. Natural, cultural, and historical resources, including
152 conservation lands, parks, shorelines, surface waters, wetlands,
153 and historical and cultural assets.

154 (b) "Department" means the Department of Environmental
155 Protection.

156 (c) "Preconstruction activities" means activities
157 associated with a project which occur before construction
158 begins, including, but not limited to, design of the project,
159 permitting for the project, surveys, site development,
160 solicitation, public hearings, local code amendments,
161 establishing local funding sources, and easement acquisition.

162 (d) "Regionally significant assets" means critical assets
163 that support the needs of communities spanning multiple
164 geopolitical jurisdictions, including, but not limited to,
165 regional medical centers, emergency operations centers, regional
166 utilities, major transportation hubs and corridors, airports,
167 and seaports.

168 (3) RESILIENT FLORIDA GRANT PROGRAM.—

169 (a) The Resilient Florida Grant Program is established
170 within the department.

171 (b) Subject to appropriation, the department may provide
172 grants to a county or municipality to fund:

173 1. The costs of community resilience planning and necessary
174 data collection for such planning, including comprehensive plan

592-02540-22

20221940c1

175 amendments and necessary corresponding analyses that address the
176 requirements of s. 163.3178(2)(f).~~†~~

177 2. Vulnerability assessments that identify or address risks
178 of inland or coastal flooding and sea-level ~~sea-level~~ rise.~~†~~

179 3. The development of projects, plans, and policies that
180 allow communities to prepare for threats from flooding and sea-
181 level ~~sea-level~~ rise.~~†~~ and

182 4. Preconstruction activities for projects to be submitted
183 for inclusion in the Statewide Flooding and Sea-Level Rise
184 Resilience Plan which are located in a municipality that has a
185 population of 10,000 or fewer or a county that has a population
186 of 50,000 or fewer, according to the most recent April 1
187 population estimates posted on the Office of Economic and
188 Demographic Research's website ~~projects to adapt critical assets~~
189 ~~to the effects of flooding and sea level rise.~~

190 (c) A vulnerability assessment conducted pursuant to
191 paragraph (b) must encompass the entire county or municipality;
192 include all critical assets owned or maintained by the grant
193 applicant; and use the most recent publicly available Digital
194 Elevation Model and generally accepted analysis and modeling
195 techniques. An assessment may encompass a smaller geographic
196 area or include only a portion of the critical assets owned or
197 maintained by the grant applicant with appropriate rationale and
198 upon approval by the department. Locally collected elevation
199 data may also be included as part of the assessment as long as
200 it is submitted to the department pursuant to this paragraph.

201 1. The assessment must include an analysis of the
202 vulnerability of and risks to critical assets, including
203 regionally significant assets, owned or managed by the county or

592-02540-22

20221940c1

204 municipality.

205 2. Upon completion of a vulnerability assessment, the
206 county or municipality shall submit to the department the
207 following:

208 a. A report detailing the findings of the assessment.

209 b. All electronic mapping data used to illustrate flooding
210 and sea-level ~~sea-level~~ rise impacts identified in the
211 assessment. When submitting such data, the county or
212 municipality shall include:

213 (I) Geospatial data in an electronic file format suitable
214 for input to the department's mapping tool.

215 (II) Geographic information system data that has been
216 projected into the appropriate Florida State Plane Coordinate
217 System and that is suitable for the department's mapping tool.
218 The county or municipality must also submit metadata using
219 standards prescribed by the department.

220 c. A list of critical assets, including regionally
221 significant assets, that are impacted by flooding and sea-level
222 ~~sea-level~~ rise.

223 (d) A vulnerability assessment conducted pursuant to
224 paragraph (b) must include all of the following, if applicable:

225 1. Peril of flood comprehensive plan amendments that
226 address the requirements of s. 163.3178(2)(f), if the county or
227 municipality is subject to such requirements and has not
228 complied with such requirements as determined by the Department
229 of Economic Opportunity.

230 2. The depth of:

231 a. Tidal flooding, including future high tide flooding,
232 which must use thresholds published and provided by the

592-02540-22

20221940c1

233 department. To the extent practicable, the analysis should also
234 geographically display the number of tidal flood days expected
235 for each scenario and planning horizon.

236 b. Current and future storm surge flooding using publicly
237 available National Oceanic and Atmospheric Administration or
238 Federal Emergency Management Agency storm surge data. The
239 initial storm surge event used must equal or exceed the current
240 100-year flood event. Higher frequency storm events may be
241 analyzed to understand the exposure of a critical asset.

242 c. To the extent practicable, rainfall-induced flooding
243 using spatiotemporal analysis or existing hydrologic and
244 hydraulic modeling results. Future boundary conditions should be
245 modified to consider sea-level ~~sea-level~~ rise and high tide
246 conditions. Vulnerability assessments for noncoastal communities
247 must include the depth of rainfall-induced flooding for a 100-
248 year storm and a 500-year storm, as defined by the applicable
249 water management district or, if necessary, the appropriate
250 federal agency. Projections of future rainfall conditions should
251 be utilized, if available.

252 d. To the extent practicable, compound flooding or the
253 combination of tidal, storm surge, and rainfall-induced
254 flooding.

255 3. The following scenarios and standards:

256 a. All analyses in the North American Vertical Datum of
257 1988.

258 b. At least two local sea-level ~~sea-level~~ rise scenarios,
259 which must include the 2017 National Oceanic and Atmospheric
260 Administration intermediate-low and intermediate-high sea-level
261 ~~sea-level~~ rise projections.

592-02540-22

20221940c1

262 c. At least two planning horizons that include planning
263 horizons for the years 2040 and 2070.

264 d. Local sea-level ~~sea-level~~ data that has been
265 interpolated between the two closest National Oceanic and
266 Atmospheric Administration tide gauges. Local sea-level ~~sea-~~
267 ~~level~~ data may be taken from one such gauge if the gauge has a
268 higher mean sea level. Data taken from an alternate tide gauge
269 may be used with appropriate rationale and department approval,
270 as long as it is publicly available or submitted to the
271 department pursuant to paragraph (b).

272 (4) COMPREHENSIVE STATEWIDE FLOOD VULNERABILITY AND SEA-
273 LEVEL ~~SEA-LEVEL~~ RISE DATA SET AND ASSESSMENT.—

274 (a) By July 1, 2023 ~~2022~~, the department shall complete the
275 development of a comprehensive statewide flood vulnerability and
276 sea-level ~~sea-level~~ rise data set sufficient to conduct a
277 comprehensive statewide flood vulnerability and sea-level ~~sea-~~
278 ~~level~~ rise assessment. In developing the data set, the
279 department, in coordination with the Florida Flood Hub for
280 Applied Research and Innovation, shall compile, analyze, and
281 incorporate, as appropriate, information related to
282 vulnerability assessments submitted to the department pursuant
283 to subsection (3) or any previously completed assessments that
284 meet the requirements of subsection (3).

285 1. The Chief Science Officer shall, in coordination with
286 necessary experts and resources, develop statewide sea-level ~~sea-~~
287 ~~level~~ rise projections that incorporate temporal and spatial
288 variability, to the extent practicable, for inclusion in the
289 data set. This subparagraph does not supersede regionally
290 adopted projections.

592-02540-22

20221940c1

291 2. The data set must include information necessary to
292 determine the risks to inland and coastal communities,
293 including, but not limited to, elevation, tidal levels, and
294 precipitation.

295 (b) By July 1, 2024 ~~2023~~, the department shall complete a
296 comprehensive statewide flood vulnerability and sea-level ~~sea~~
297 ~~level~~ rise assessment that identifies inland and coastal
298 infrastructure, geographic areas, and communities in this ~~the~~
299 state that are vulnerable to flooding and sea-level ~~sea-level~~
300 rise and the associated risks.

301 1. The department shall use the comprehensive statewide
302 flood vulnerability and sea-level ~~sea-level~~ rise data set to
303 conduct the assessment.

304 2. The assessment must incorporate local and regional
305 analyses of vulnerabilities and risks, including, as
306 appropriate, local mitigation strategies and postdisaster
307 redevelopment plans.

308 3. The assessment must include an inventory of critical
309 assets, including regionally significant assets, that are
310 essential for critical government and business functions,
311 national security, public health and safety, the economy, flood
312 and storm protection, water quality management, and wildlife
313 habitat management, and must identify and analyze the
314 vulnerability of and risks to such critical assets. When
315 identifying critical assets for inclusion in the assessment, the
316 department shall also take into consideration the critical
317 assets identified by local governments and submitted to the
318 department pursuant to subsection (3).

319 (c) The department shall update the comprehensive statewide

592-02540-22

20221940c1

320 flood vulnerability and sea-level ~~sea-level~~ rise data set and
321 assessment every 5 years. The department may update the data set
322 and assessment more frequently if it determines that updates are
323 necessary to maintain the validity of the data set and
324 assessment.

325 (5) STATEWIDE FLOODING AND SEA-LEVEL ~~SEA-LEVEL~~ RISE
326 RESILIENCE PLAN.—

327 (a) By December 1, 2021, and each December 1 thereafter,
328 the department shall develop a Statewide Flooding and Sea-Level
329 ~~Sea-Level~~ Rise Resilience Plan on a 3-year planning horizon and
330 submit it to the Governor, the President of the Senate, and the
331 Speaker of the House of Representatives. The plan must consist
332 of ranked projects that address risks of flooding and sea-level
333 ~~sea-level~~ rise to coastal and inland communities in the state.
334 All eligible projects submitted to the department under this
335 section must be ranked and included in the plan. Each plan must
336 include a detailed narrative overview describing how the plan
337 was developed, including a description of the methodology used
338 by the department to determine project eligibility, a
339 description of the methodology used to rank projects, the
340 specific scoring system used, the project proposal application
341 form, a copy of each submitted project proposal application form
342 with projects separated by "eligible" and "not eligible," the
343 total number of project proposals received and deemed eligible,
344 the total funding requested, and the total funding requested for
345 eligible projects.

346 (b) The plan submitted by December 1, 2021, before the
347 comprehensive statewide flood vulnerability and sea-level ~~sea~~
348 ~~level~~ rise assessment is completed, will be a preliminary plan

592-02540-22

20221940c1

349 that includes projects that address ~~addresses~~ risks of flooding
350 and sea-level ~~sea-level~~ rise identified in available local
351 government vulnerability assessments and projects submitted by
352 water management districts which mitigate the risks of flooding
353 or sea-level rise on water supplies or water resources of the
354 state. The plan submitted by December 1, 2022, and the plan
355 submitted by December 1, 2023, will be updates ~~an update~~ to the
356 preliminary plan. The plan submitted by December 1, 2024 ~~2023~~,
357 and each plan submitted by December 1 thereafter, must ~~shall~~
358 address risks of flooding and sea-level ~~sea-level~~ rise
359 identified in the comprehensive statewide flood vulnerability
360 and sea-level ~~sea-level~~ rise assessment.

361 (c) Each plan submitted by the department pursuant to this
362 subsection must include the following information for each
363 recommended project:

- 364 1. A description of the project.
- 365 2. The location of the project.
- 366 3. An estimate of how long the project will take to
367 complete.
- 368 4. An estimate of the cost of the project.
- 369 5. The cost-share percentage available for the project.
- 370 6. A summary of the priority score assigned to the project.
- 371 7. The project sponsor.

372 (d)1. By September 1, 2021, and each September 1
373 thereafter, the following entities ~~counties and municipalities~~
374 may submit to the department a list of proposed projects that
375 address risks of flooding or sea-level ~~sea-level~~ rise identified
376 in vulnerability assessments that meet the requirements of
377 subsection (3) :-

592-02540-22

20221940c1

- 378 a. Counties.
379 b. Municipalities.
380 c. Special districts, as defined in s. 189.012, which are
381 responsible for the operation and maintenance of an airport or a
382 seaport facility.

383
384 For the plans submitted by December 1, 2021; December 1, 2022;
385 and December 1, 2023, such entities may submit projects
386 identified in existing vulnerability assessments which do not
387 comply with subsection (3). A regional resilience entity may
388 also submit ~~such~~ proposed projects to the department pursuant to
389 this subparagraph on behalf of one or more member counties or
390 municipalities.

391 2. By September 1, 2021, and each September 1 thereafter,
392 the following entities ~~each water management district and flood~~
393 ~~control district~~ may submit to the department a list of any
394 proposed projects that mitigate the risks of flooding or sea-
395 level ~~sea level~~ rise on water supplies or water resources of
396 this ~~the~~ state and a corresponding evaluation of each project:—

- 397 a. Water management districts.
398 b. Drainage districts.
399 c. Erosion control districts.
400 d. Flood control districts.
401 e. Regional water supply authorities.

402 3. Each project submitted to the department pursuant to
403 this paragraph ~~by a county, municipality, regional resilience~~
404 ~~entity, water management district, or flood control district~~ for
405 consideration by the department for inclusion in the plan must
406 include:

592-02540-22

20221940c1

- 407 a. A description of the project.
- 408 b. The location of the project.
- 409 c. An estimate of how long the project will take to
- 410 complete.
- 411 d. An estimate of the cost of the project.
- 412 e. The cost-share percentage available for the project.
- 413 f. The project sponsor.
- 414 (e) Each project included in the plan must have a minimum
- 415 50 percent cost share unless the project assists or is within a
- 416 financially disadvantaged small community. For purposes of this
- 417 section, the term "financially disadvantaged small community"
- 418 means:
- 419 1. A municipality that has a population of 10,000 or fewer,
- 420 according to the most recent April 1 population estimates posted
- 421 on the Office of Economic and Demographic Research's website,
- 422 and a per capita annual income that is less than the state's per
- 423 capita annual income as shown in the most recent release from
- 424 the Bureau of the Census of the United States Department of
- 425 Commerce that includes both measurements; or
- 426 2. A county that has a population of 50,000 or fewer,
- 427 according to the most recent April 1 population estimates posted
- 428 on the Office of Economic and Demographic Research's website,
- 429 and a per capita annual income that is less than the state's per
- 430 capita annual income as shown in the most recent release from
- 431 the Bureau of the Census of the United States Department of
- 432 Commerce that includes both measurements.
- 433 (f) To be eligible for inclusion in the plan, a project
- 434 must have been submitted ~~by a county, municipality, regional~~
- 435 ~~resilience entity, water management district, or flood control~~

592-02540-22

20221940c1

436 ~~district~~ pursuant to paragraph (d) or must have been identified
437 in the comprehensive statewide flood vulnerability and sea-level
438 ~~sea-level~~ rise assessment, as applicable.

439 (g) Expenses ineligible for inclusion in the plan include,
440 but are not limited to, expenses associated with:

441 1. Aesthetic vegetation.

442 2. Recreational structures such as piers, docks, and
443 boardwalks.

444 3. Water quality components of stormwater and wastewater
445 management systems, except for expenses to mitigate water
446 quality impacts caused by the project or expenses related to
447 water quality which are necessary to obtain a permit for the
448 project.

449 4. Maintenance and repair of over-walks.

450 5. Park activities and facilities, except expenses to
451 control flooding or erosion.

452 6. Navigation construction, operation, and maintenance
453 activities.

454 7. Projects that provide only recreational benefits.

455 (h) The department shall implement a scoring system for
456 assessing each project eligible for inclusion in the plan
457 pursuant to this subsection. The scoring system must include the
458 following tiers and associated criteria:

459 1. Tier 1 must account for 40 percent of the total score
460 and consist of all of the following criteria:

461 a. The degree to which the project addresses the risks
462 posed by flooding and sea-level ~~sea-level~~ rise identified in the
463 local government vulnerability assessments or the comprehensive
464 statewide flood vulnerability and sea-level ~~sea-level~~ rise

592-02540-22

20221940c1

465 assessment, as applicable.

466 b. The degree to which the project addresses risks to
467 regionally significant assets.

468 c. The degree to which the project reduces risks to areas
469 with an overall higher percentage of vulnerable critical assets.

470 d. The degree to which the project contributes to existing
471 flooding mitigation projects that reduce upland damage costs by
472 incorporating new or enhanced structures or restoration and
473 revegetation projects.

474 2. Tier 2 must account for 30 percent of the total score
475 and consist of all of the following criteria:

476 a. The degree to which flooding and erosion currently
477 affect the condition of the project area.

478 b. The overall readiness of the project to proceed in a
479 timely manner, considering the project's readiness for the
480 construction phase of development, the status of required
481 permits, the status of any needed easement acquisition, and the
482 availability of local funding sources.

483 c. The environmental habitat enhancement or inclusion of
484 nature-based options for resilience, with priority given to
485 state or federal critical habitat areas for threatened or
486 endangered species.

487 d. The cost-effectiveness of the project.

488 3. Tier 3 must account for 20 percent of the total score
489 and consist of all of the following criteria:

490 a. The availability of local, state, and federal matching
491 funds, considering the status of the funding award, and federal
492 authorization, if applicable.

493 b. Previous state commitment and involvement in the

592-02540-22

20221940c1

494 project, considering previously funded phases, the total amount
495 of previous state funding, and previous partial appropriations
496 for the proposed project.

497 c. The exceedance of the flood-resistant construction
498 requirements of the Florida Building Code and applicable flood
499 plain management regulations.

500 4. Tier 4 must account for 10 percent of the total score
501 and consist of all of the following criteria:

502 a. The proposed innovative technologies designed to reduce
503 project costs and provide regional collaboration.

504 b. The extent to which the project assists financially
505 disadvantaged communities.

506 (i) The total amount of funding proposed for each year of
507 the plan may not be less than ~~exceed~~ \$100 million. Upon review
508 and subject to appropriation, the Legislature shall approve
509 funding for the projects as specified in the plan. Multiyear
510 projects that receive funding for the first year of the project
511 must be included in subsequent plans and funded until the
512 project is complete, provided that the project sponsor has
513 complied with all contractual obligations and funds are
514 available.

515 (j) The department shall initiate rulemaking by August 1,
516 2021, to implement this section.

517 (6) REGIONAL RESILIENCE ENTITIES.—Subject to specific
518 legislative appropriation, the department may provide funding
519 for the following purposes to regional entities that are
520 established by general purpose local governments and whose
521 responsibilities include planning for the resilience needs of
522 communities and coordinating intergovernmental solutions to

592-02540-22

20221940c1

523 mitigate adverse impacts of flooding and sea-level ~~sea-level~~
524 rise:

525 (a) Providing technical assistance to counties and
526 municipalities.

527 (b) Coordinating multijurisdictional vulnerability
528 assessments.

529 (c) Developing project proposals to be submitted for
530 inclusion in the Statewide Flooding and Sea-Level ~~Sea-Level~~ Rise
531 Resilience Plan.

532 Section 4. Section 380.0933, Florida Statutes, is amended
533 to read:

534 380.0933 Florida Flood Hub for Applied Research and
535 Innovation.—

536 (1) The Florida Flood Hub for Applied Research and
537 Innovation is established within the University of South Florida
538 College of Marine Science to coordinate efforts between the
539 academic and research institutions of the state. The University
540 of South Florida College of Marine Science or its successor
541 entity will serve as the lead institution and engage other
542 academic and research institutions, private partners, and
543 financial sponsors to coordinate efforts to support applied
544 research and innovation to address the flooding and sea-level
545 ~~sea-level~~ rise challenges of this ~~the~~ state.

546 (2) The hub shall, at a minimum:

547 (a) Organize existing data needs for a comprehensive
548 statewide flood vulnerability and sea-level ~~sea-level~~ rise
549 analysis and perform a gap analysis to determine data needs.

550 (b) Develop statewide open source hydrologic models for
551 physically based flood frequency estimation and real-time

592-02540-22

20221940c1

552 forecasting of floods, including hydraulic models of floodplain
553 inundation mapping, real-time compound and tidal flooding
554 forecasts, future groundwater elevation conditions, and economic
555 damage and loss estimates.

556 (c) Coordinate research funds from the state, the federal
557 government, or other funding sources for related hub activities
558 across all participating entities.

559 (d) Establish community-based programs to improve flood
560 monitoring and prediction along major waterways, including
561 intracoastal waterways and coastlines, of this ~~the~~ state and to
562 support ongoing flood research.

563 (e) Coordinate with agencies, including, but not limited
564 to, the Department of Environmental Protection and water
565 management districts.

566 (f) Share its resources and expertise.

567 (g) Assist in the development of training and in the
568 development of a workforce in this ~~the~~ state that is
569 knowledgeable about flood and sea-level ~~sea-level~~ rise research,
570 prediction, and adaptation and mitigation strategies.

571 (h) Develop opportunities to partner with other flood and
572 sea-level ~~sea-level~~ rise research and innovation leaders for
573 sharing technology or research.

574 (i) Conduct the activities under this subsection in
575 cooperation with various local, state, and federal government
576 entities as well as other flood and sea-level ~~sea-level~~ rise
577 research centers.

578 (3) The hub must provide tidal and storm surge flooding
579 data to counties and municipalities for vulnerability
580 assessments that are conducted pursuant to s. 380.093(3). The

592-02540-22

20221940c1

581 hub must provide rainfall-induced and compound flooding data
582 sets; however, more localized data or modeling may be used.

583 (4) The hub shall employ an executive director.

584 (5)~~(4)~~ By July 1, 2022, and each July 1 thereafter, the hub
585 shall provide an annual comprehensive report to the Governor,
586 the President of the Senate, and the Speaker of the House of
587 Representatives that outlines its clearly defined goals and its
588 efforts and progress on reaching such goals.

589 Section 5. Subsection (2) of section 472.0366, Florida
590 Statutes, is amended to read:

591 472.0366 Elevation certificates; requirements for surveyors
592 and mappers.—

593 (2) Beginning January 1, 2023 ~~2017~~, a surveyor and mapper
594 shall, within 30 days after completion, submit to the division a
595 digital copy of each elevation certificate that he or she
596 completes as outlined on the division's website. The copy must
597 be unaltered, except that the surveyor and mapper may redact the
598 name of the property owner. The copy need not be signed and
599 sealed when submitted to the division; however, an original
600 signed and sealed copy must be retained in the surveyor and
601 mapper's records as prescribed by rule of the board.

602 Section 6. This act shall take effect July 1, 2022.