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LEGISLATIVE ACTION

Senate	.	House
Comm: RCS	.	
01/31/2022	.	
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The Committee on Environment and Natural Resources (Brodeur) recommended the following:

Senate Amendment (with title amendment)

Delete everything after the enacting clause
and insert:

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

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



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11 pleasure of the Governor.

12 Section 2. Section 339.157, Florida Statutes, is created to
13 read:

14 339.157 Resilience action plan.-

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

19 (a) Recommend strategies to enhance infrastructure and the
20 operational resilience of the State Highway System which may be
21 incorporated into the transportation asset management plan.

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

24 (c) Enhance partnerships for collaboration to address
25 multijurisdictional resilience needs.

26 (2) The resilience action plan must include all of the
27 following components:

28 (a) An assessment of the State Highway System to identify
29 roadway facilities and drainage outfalls that may be subject to
30 vulnerabilities associated with tidal, rainfall, the combination
31 of tidal and rainfall, and storm surge flooding, including
32 future projections of sea-level rise, using existing data for
33 current and forecasted future events. As part of the assessment,
34 the department shall do all of the following using the most up-
35 to-date National Oceanic and Atmospheric Administration
36 precipitation frequency and sea-level rise data:

37 1. Synthesize historical and current infrastructure
38 resilience issues statewide.

39 2. Evaluate alternatives for retrofitting existing systems



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40 and infrastructure.

41 3. Develop prioritization criteria for resilience project
42 identification.

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

46 5. Develop a statewide database identifying and documenting
47 those assets vulnerable to current and future flooding. The
48 department shall develop a cost estimate and schedule to enhance
49 existing data to include site-specific details and existing
50 criteria to improve the needs prioritization.

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

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

59 (3) By June 20, 2023, the department shall submit the
60 resilience action plan to the Governor, the President of the
61 Senate, and the Speaker of the House of Representatives. Every
62 third year on June 30 thereafter, the department shall submit a
63 status report reviewing updates to the action plan and the
64 associated implementation activities.

65 Section 3. Section 380.093, Florida Statutes, is amended to
66 read:

67 380.093 Resilient Florida Grant Program; comprehensive
68 statewide flood vulnerability and sea-level ~~sea-level~~ rise data



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69 set and assessment; Statewide Flooding and Sea-Level ~~Sea-Level~~
70 Rise Resilience Plan; regional resilience entities.—

71 (1) LEGISLATIVE INTENT.—

72 (a) The Legislature recognizes that this ~~the~~ state is
73 particularly vulnerable to adverse impacts from flooding
74 resulting from increases in frequency and duration of rainfall
75 events, storm surge from more frequent and severe weather
76 systems, and sea-level ~~sea-level~~ rise. Such adverse impacts pose
77 economic, social, environmental, and public health and safety
78 challenges to this ~~the~~ state. To most effectively address these
79 challenges, funding should be allocated in a manner that
80 prioritizes addressing the most significant risks.

81 (b) The Legislature further recognizes that the adverse
82 impacts of flooding and sea-level ~~sea-level~~ rise affect coastal
83 and inland communities all across the state. Consequently, a
84 coordinated approach is necessary to maximize the benefit of
85 efforts to address such impacts and to improve the state's
86 resilience to flooding and sea-level ~~sea-level~~ rise.

87 (c) The Legislature further recognizes that to effectively
88 and efficiently address and prepare for the adverse impacts of
89 flooding and sea-level ~~sea-level~~ rise in this ~~the~~ state, it is
90 necessary to conduct a comprehensive statewide assessment of the
91 specific risks posed to this ~~the~~ state by flooding and sea-level
92 ~~sea-level~~ rise and develop a statewide coordinated approach to
93 addressing such risks.

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

95 (a) "Critical asset" includes:

96 1. Transportation assets and evacuation routes, including
97 airports, bridges, bus terminals, ports, major roadways,



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98 marinas, rail facilities, and railroad bridges.

99 2. Critical infrastructure, including wastewater treatment
100 facilities and lift stations, stormwater treatment facilities
101 and pump stations, drinking water facilities, water utility
102 conveyance systems, electric production and supply facilities,
103 solid and hazardous waste facilities, military installations,
104 communications facilities, and disaster debris management sites.

105 3. Critical community and emergency facilities, including
106 schools, colleges, universities, community centers, correctional
107 facilities, disaster recovery centers, emergency medical service
108 facilities, emergency operation centers, fire stations, health
109 care facilities, hospitals, law enforcement facilities, local
110 government facilities, logistical staging areas, affordable
111 public housing, risk shelter inventory, and state government
112 facilities.

113 4. Natural, cultural, and historical resources, including
114 conservation lands, parks, shorelines, surface waters, wetlands,
115 and historical and cultural assets.

116 (b) "Department" means the Department of Environmental
117 Protection.

118 (c) "Preconstruction activities" means activities
119 associated with a project which occur before construction
120 begins, including, but not limited to, design of the project,
121 permitting for the project, surveys, site development,
122 solicitation, public hearings, local code amendments,
123 establishing local funding sources, and easement acquisition.

124 (d) "Regionally significant assets" means critical assets
125 that support the needs of communities spanning multiple
126 geopolitical jurisdictions, including, but not limited to,



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127 regional medical centers, emergency operations centers, regional
128 utilities, major transportation hubs and corridors, airports,
129 and seaports.

130 (3) RESILIENT FLORIDA GRANT PROGRAM.—

131 (a) The Resilient Florida Grant Program is established
132 within the department.

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

135 1. The costs of community resilience planning and necessary
136 data collection for such planning, including comprehensive plan
137 amendments and necessary corresponding analyses that address the
138 requirements of s. 163.3178(2)(f).†

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

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

144 4. Preconstruction activities for projects to be submitted
145 for inclusion in the Statewide Flooding and Sea-Level Rise
146 Resilience Plan which are located in a municipality that has a
147 population of 10,000 or fewer or a county that has a population
148 of 50,000 or fewer, according to the most recent April 1
149 population estimates posted on the Office of Economic and
150 Demographic Research's website ~~projects to adapt critical assets~~
151 to the effects of flooding and sea level rise.

152 (c) A vulnerability assessment conducted pursuant to
153 paragraph (b) must encompass the entire county or municipality;
154 include all critical assets owned or maintained by the grant
155 applicant; and use the most recent publicly available Digital



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156 Elevation Model and generally accepted analysis and modeling
157 techniques. An assessment may encompass a smaller geographic
158 area or include only a portion of the critical assets owned or
159 maintained by the grant applicant with appropriate rationale and
160 upon approval by the department. Locally collected elevation
161 data may also be included as part of the assessment as long as
162 it is submitted to the department pursuant to this paragraph.

163 1. The assessment must include an analysis of the
164 vulnerability of and risks to critical assets, including
165 regionally significant assets, owned or managed by the county or
166 municipality.

167 2. Upon completion of a vulnerability assessment, the
168 county or municipality shall submit to the department the
169 following:

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

171 b. All electronic mapping data used to illustrate flooding
172 and sea-level ~~sea-level~~ rise impacts identified in the
173 assessment. When submitting such data, the county or
174 municipality shall include:

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

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

182 c. A list of critical assets, including regionally
183 significant assets, that are impacted by flooding and sea-level
184 ~~sea-level~~ rise.



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

187 1. Peril of flood comprehensive plan amendments that
188 address the requirements of s. 163.3178(2)(f), if the county or
189 municipality is subject to such requirements and has not
190 complied with such requirements as determined by the Department
191 of Economic Opportunity.

192 2. The depth of:

193 a. Tidal flooding, including future high tide flooding,
194 which must use thresholds published and provided by the
195 department. To the extent practicable, the analysis should also
196 geographically display the number of tidal flood days expected
197 for each scenario and planning horizon.

198 b. Current and future storm surge flooding using publicly
199 available National Oceanic and Atmospheric Administration or
200 Federal Emergency Management Agency storm surge data. The
201 initial storm surge event used must equal or exceed the current
202 100-year flood event. Higher frequency storm events may be
203 analyzed to understand the exposure of a critical asset.

204 c. To the extent practicable, rainfall-induced flooding
205 using spatiotemporal analysis or existing hydrologic and
206 hydraulic modeling results. Future boundary conditions should be
207 modified to consider sea-level ~~sea-level~~ rise and high tide
208 conditions. Vulnerability assessments for noncoastal communities
209 must include the depth of rainfall-induced flooding for a 100-
210 year storm and a 500-year storm, as defined by the applicable
211 water management district or, if necessary, the appropriate
212 federal agency. Projections of future rainfall conditions should
213 be utilized, if available.



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214 d. To the extent practicable, compound flooding or the
215 combination of tidal, storm surge, and rainfall-induced
216 flooding.

217 3. The following scenarios and standards:

218 a. All analyses in the North American Vertical Datum of
219 1988.

220 b. At least two local sea-level ~~sea level~~ rise scenarios,
221 which must include the 2017 National Oceanic and Atmospheric
222 Administration intermediate-low and intermediate-high sea-level
223 ~~sea level~~ rise projections.

224 c. At least two planning horizons that include planning
225 horizons for the years 2040 and 2070.

226 d. Local sea-level ~~sea level~~ data that has been
227 interpolated between the two closest National Oceanic and
228 Atmospheric Administration tide gauges. Local sea-level ~~sea~~
229 ~~level~~ data may be taken from one such gauge if the gauge has a
230 higher mean sea level. Data taken from an alternate tide gauge
231 may be used with appropriate rationale and department approval,
232 as long as it is publicly available or submitted to the
233 department pursuant to paragraph (b).

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

236 (a) By July 1, 2023 ~~2022~~, the department shall complete the
237 development of a comprehensive statewide flood vulnerability and
238 sea-level ~~sea level~~ rise data set sufficient to conduct a
239 comprehensive statewide flood vulnerability and sea-level ~~sea~~
240 ~~level~~ rise assessment. In developing the data set, the
241 department, in coordination with the Florida Flood Hub for
242 Applied Research and Innovation, shall compile, analyze, and



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243 incorporate, as appropriate, information related to
244 vulnerability assessments submitted to the department pursuant
245 to subsection (3) or any previously completed assessments that
246 meet the requirements of subsection (3).

247 1. The Chief Science Officer shall, in coordination with
248 necessary experts and resources, develop statewide sea-level ~~sea~~
249 ~~level~~ rise projections that incorporate temporal and spatial
250 variability, to the extent practicable, for inclusion in the
251 data set. This subparagraph does not supersede regionally
252 adopted projections.

253 2. The data set must include information necessary to
254 determine the risks to inland and coastal communities,
255 including, but not limited to, elevation, tidal levels, and
256 precipitation.

257 (b) By July 1, 2024 ~~2023~~, the department shall complete a
258 comprehensive statewide flood vulnerability and sea-level ~~sea~~
259 ~~level~~ rise assessment that identifies inland and coastal
260 infrastructure, geographic areas, and communities in this ~~the~~
261 state that are vulnerable to flooding and sea-level ~~sea-level~~
262 rise and the associated risks.

263 1. The department shall use the comprehensive statewide
264 flood vulnerability and sea-level ~~sea-level~~ rise data set to
265 conduct the assessment.

266 2. The assessment must incorporate local and regional
267 analyses of vulnerabilities and risks, including, as
268 appropriate, local mitigation strategies and postdisaster
269 redevelopment plans.

270 3. The assessment must include an inventory of critical
271 assets, including regionally significant assets, that are



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272 essential for critical government and business functions,
273 national security, public health and safety, the economy, flood
274 and storm protection, water quality management, and wildlife
275 habitat management, and must identify and analyze the
276 vulnerability of and risks to such critical assets. When
277 identifying critical assets for inclusion in the assessment, the
278 department shall also take into consideration the critical
279 assets identified by local governments and submitted to the
280 department pursuant to subsection (3).

281 (c) The department shall update the comprehensive statewide
282 flood vulnerability and sea-level ~~sea-level~~ rise data set and
283 assessment every 5 years. The department may update the data set
284 and assessment more frequently if it determines that updates are
285 necessary to maintain the validity of the data set and
286 assessment.

287 (5) STATEWIDE FLOODING AND SEA-LEVEL ~~SEA-LEVEL~~ RISE
288 RESILIENCE PLAN.—

289 (a) By December 1, 2021, and each December 1 thereafter,
290 the department shall develop a Statewide Flooding and Sea-Level
291 ~~Sea-Level~~ Rise Resilience Plan on a 3-year planning horizon and
292 submit it to the Governor, the President of the Senate, and the
293 Speaker of the House of Representatives. The plan must consist
294 of ranked projects that address risks of flooding and sea-level
295 ~~sea-level~~ rise to coastal and inland communities in the state.
296 All eligible projects submitted to the department under this
297 section must be ranked and included in the plan. Each plan must
298 include a detailed narrative overview describing how the plan
299 was developed, including a description of the methodology used
300 by the department to determine project eligibility, a



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301 description of the methodology used to rank projects, the
302 specific scoring system used, the project proposal application
303 form, a copy of each submitted project proposal application form
304 with projects separated by "eligible" and "not eligible," the
305 total number of project proposals received and deemed eligible,
306 the total funding requested, and the total funding requested for
307 eligible projects.

308 (b) The plan submitted by December 1, 2021, before the
309 comprehensive statewide flood vulnerability and sea-level ~~sea~~
310 ~~level~~ rise assessment is completed, will be a preliminary plan
311 that includes projects that address ~~addresses~~ risks of flooding
312 and sea-level ~~sea-level~~ rise identified in available local
313 government vulnerability assessments and projects submitted by
314 water management districts which mitigate the risks of flooding
315 or sea-level rise on water supplies or water resources of the
316 state. The plan submitted by December 1, 2022, and the plan
317 submitted by December 1, 2023, will be updates ~~an update~~ to the
318 preliminary plan. The plan submitted by December 1, 2024 ~~2023~~,
319 and each plan submitted by December 1 thereafter, must ~~shall~~
320 address risks of flooding and sea-level ~~sea-level~~ rise
321 identified in the comprehensive statewide flood vulnerability
322 and sea-level ~~sea-level~~ rise assessment.

323 (c) Each plan submitted by the department pursuant to this
324 subsection must include the following information for each
325 recommended project:

- 326 1. A description of the project.
- 327 2. The location of the project.
- 328 3. An estimate of how long the project will take to
329 complete.



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- 330 4. An estimate of the cost of the project.
331 5. The cost-share percentage available for the project.
332 6. A summary of the priority score assigned to the project.
333 7. The project sponsor.

334 (d)1. By September 1, 2021, and each September 1
335 thereafter, the following entities ~~counties and municipalities~~
336 may submit to the department a list of proposed projects that
337 address risks of flooding or sea-level ~~sea level~~ rise identified
338 in vulnerability assessments that meet the requirements of
339 subsection (3):-

340 a. Counties.

341 b. Municipalities.

342 c. Special districts, as defined in s. 189.012, which are
343 responsible for the operation and maintenance of an airport or a
344 seaport facility.

345
346 For the plans submitted by December 1, 2021; December 1, 2022;
347 and December 1, 2023, such entities may submit projects
348 identified in existing vulnerability assessments which do not
349 comply with subsection (3). A regional resilience entity may
350 also submit ~~such~~ proposed projects to the department pursuant to
351 this subparagraph on behalf of one or more member counties or
352 municipalities.

353 2. By September 1, 2021, and each September 1 thereafter,
354 the following entities ~~each water management district and flood~~
355 ~~control district~~ may submit to the department a list of any
356 proposed projects that mitigate the risks of flooding or sea-
357 level ~~sea level~~ rise on water supplies or water resources of
358 this ~~the~~ state and a corresponding evaluation of each project:-



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- 359 a. Water management districts.
360 b. Drainage districts.
361 c. Erosion control districts.
362 d. Flood control districts.
363 3. Each project submitted to the department pursuant to
364 this paragraph by a county, municipality, regional resilience
365 entity, water management district, or flood control district for
366 consideration by the department for inclusion in the plan must
367 include:
368 a. A description of the project.
369 b. The location of the project.
370 c. An estimate of how long the project will take to
371 complete.
372 d. An estimate of the cost of the project.
373 e. The cost-share percentage available for the project.
374 f. The project sponsor.
375 (e) Each project included in the plan must have a minimum
376 50 percent cost share unless the project assists or is within a
377 financially disadvantaged small community. For purposes of this
378 section, the term "financially disadvantaged small community"
379 means:
380 1. A municipality that has a population of 10,000 or fewer,
381 according to the most recent April 1 population estimates posted
382 on the Office of Economic and Demographic Research's website,
383 and a per capita annual income that is less than the state's per
384 capita annual income as shown in the most recent release from
385 the Bureau of the Census of the United States Department of
386 Commerce that includes both measurements; or
387 2. A county that has a population of 50,000 or fewer,



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388 according to the most recent April 1 population estimates posted
389 on the Office of Economic and Demographic Research's website,
390 and a per capita annual income that is less than the state's per
391 capita annual income as shown in the most recent release from
392 the Bureau of the Census of the United States Department of
393 Commerce that includes both measurements.

394 (f) To be eligible for inclusion in the plan, a project
395 must have been submitted ~~by a county, municipality, regional~~
396 ~~resilience entity, water management district, or flood control~~
397 ~~district~~ pursuant to paragraph (d) or must have been identified
398 in the comprehensive statewide flood vulnerability and sea-level
399 ~~sea-level~~ rise assessment, as applicable.

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

- 402 1. Aesthetic vegetation.
- 403 2. Recreational structures such as piers, docks, and
404 boardwalks.
- 405 3. Water quality components of stormwater and wastewater
406 management systems, except for expenses to mitigate water
407 quality impacts caused by the project or expenses related to
408 water quality which are necessary to obtain a permit for the
409 project.
- 410 4. Maintenance and repair of over-walks.
- 411 5. Park activities and facilities, except expenses to
412 control flooding or erosion.
- 413 6. Navigation construction, operation, and maintenance
414 activities.
- 415 7. Projects that provide only recreational benefits.

416 (h) The department shall implement a scoring system for



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417 assessing each project eligible for inclusion in the plan
418 pursuant to this subsection. The scoring system must include the
419 following tiers and associated criteria:

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

422 a. The degree to which the project addresses the risks
423 posed by flooding and sea-level ~~sea-level~~ rise identified in the
424 local government vulnerability assessments or the comprehensive
425 statewide flood vulnerability and sea-level ~~sea-level~~ rise
426 assessment, as applicable.

427 b. The degree to which the project addresses risks to
428 regionally significant assets.

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

431 d. The degree to which the project contributes to existing
432 flooding mitigation projects that reduce upland damage costs by
433 incorporating new or enhanced structures or restoration and
434 revegetation projects.

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

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

439 b. The overall readiness of the project to proceed in a
440 timely manner, considering the project's readiness for the
441 construction phase of development, the status of required
442 permits, the status of any needed easement acquisition, and the
443 availability of local funding sources.

444 c. The environmental habitat enhancement or inclusion of
445 nature-based options for resilience, with priority given to



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446 state or federal critical habitat areas for threatened or
447 endangered species.

448 d. The cost-effectiveness of the project.

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

451 a. The availability of local, state, and federal matching
452 funds, considering the status of the funding award, and federal
453 authorization, if applicable.

454 b. Previous state commitment and involvement in the
455 project, considering previously funded phases, the total amount
456 of previous state funding, and previous partial appropriations
457 for the proposed project.

458 c. The exceedance of the flood-resistant construction
459 requirements of the Florida Building Code and applicable flood
460 plain management regulations.

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

463 a. The proposed innovative technologies designed to reduce
464 project costs and provide regional collaboration.

465 b. The extent to which the project assists financially
466 disadvantaged communities.

467 (i) The total amount of funding proposed for each year of
468 the plan may not be less than ~~exceed~~ \$100 million. Upon review
469 and subject to appropriation, the Legislature shall approve
470 funding for the projects as specified in the plan. Multiyear
471 projects that receive funding for the first year of the project
472 must be included in subsequent plans and funded until the
473 project is complete, provided that the project sponsor has
474 complied with all contractual obligations and funds are



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475 available.

476 (j) The department shall initiate rulemaking by August 1,
477 2021, to implement this section.

478 (6) REGIONAL RESILIENCE ENTITIES.—Subject to specific
479 legislative appropriation, the department may provide funding
480 for the following purposes to regional entities that are
481 established by general purpose local governments and whose
482 responsibilities include planning for the resilience needs of
483 communities and coordinating intergovernmental solutions to
484 mitigate adverse impacts of flooding and sea-level ~~sea-level~~
485 rise:

486 (a) Providing technical assistance to counties and
487 municipalities.

488 (b) Coordinating multijurisdictional vulnerability
489 assessments.

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

493 Section 4. Section 380.0933, Florida Statutes, is amended
494 to read:

495 380.0933 Florida Flood Hub for Applied Research and
496 Innovation.—

497 (1) The Florida Flood Hub for Applied Research and
498 Innovation is established within the University of South Florida
499 College of Marine Science to coordinate efforts between the
500 academic and research institutions of the state. The University
501 of South Florida College of Marine Science or its successor
502 entity will serve as the lead institution and engage other
503 academic and research institutions, private partners, and



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504 financial sponsors to coordinate efforts to support applied
505 research and innovation to address the flooding and sea-level
506 ~~sea level~~ rise challenges of this ~~the~~ state.

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

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

511 (b) Develop statewide open source hydrologic models for
512 physically based flood frequency estimation and real-time
513 forecasting of floods, including hydraulic models of floodplain
514 inundation mapping, real-time compound and tidal flooding
515 forecasts, future groundwater elevation conditions, and economic
516 damage and loss estimates.

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

520 (d) Establish community-based programs to improve flood
521 monitoring and prediction along major waterways, including
522 intracoastal waterways and coastlines, of this ~~the~~ state and to
523 support ongoing flood research.

524 (e) Coordinate with agencies, including, but not limited
525 to, the Department of Environmental Protection and water
526 management districts.

527 (f) Share its resources and expertise.

528 (g) Assist in the development of training and in the
529 development of a workforce in this ~~the~~ state that is
530 knowledgeable about flood and sea-level ~~sea level~~ rise research,
531 prediction, and adaptation and mitigation strategies.

532 (h) Develop opportunities to partner with other flood and



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533 sea-level ~~sea-level~~ rise research and innovation leaders for
534 sharing technology or research.

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

539 (3) The hub must provide tidal and storm surge flooding
540 data to counties and municipalities for vulnerability
541 assessments that are conducted pursuant to s. 380.093(3). The
542 hub must provide rainfall-induced and compound flooding data
543 sets; however, more localized data or modeling may be used.

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

545 ~~(5)-(4)~~ By July 1, 2022, and each July 1 thereafter, the hub
546 shall provide an annual comprehensive report to the Governor,
547 the President of the Senate, and the Speaker of the House of
548 Representatives that outlines its clearly defined goals and its
549 efforts and progress on reaching such goals.

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

552 472.0366 Elevation certificates; requirements for surveyors
553 and mappers.—

554 (2) Beginning January 1, 2023 ~~2017~~, a surveyor and mapper
555 shall, within 30 days after completion, submit to the division a
556 digital copy of each elevation certificate that he or she
557 completes as outlined on the division's website. The copy must
558 be unaltered, except that the surveyor and mapper may redact the
559 name of the property owner. The copy need not be signed and
560 sealed when submitted to the division; however, an original
561 signed and sealed copy must be retained in the surveyor and



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562 mapper's records as prescribed by rule of the board.

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

564

565 ===== T I T L E A M E N D M E N T =====

566 And the title is amended as follows:

567 Delete everything before the enacting clause

568 and insert:

569 A bill to be entitled

570 An act relating to statewide flooding and sea-level

571 rise resilience; creating s. 14.2031, F.S.;

572 establishing the Statewide Office of Resilience within

573 the Executive Office of the Governor; providing for

574 the appointment of a Chief Resilience Officer;

575 creating s. 339.157, F.S.; requiring the Department of

576 Transportation to develop a resilience action plan for

577 the State Highway System; providing the goals and

578 required components of the plan; requiring the

579 department to submit the plan to the Governor and the

580 Legislature by a specified date; requiring the plan to

581 be updated every 3 years; providing requirements for

582 the updated plan; amending s. 380.093, F.S.; defining

583 terms; revising the projects the Department of

584 Environmental Protection may fund within the Resilient

585 Florida Grant Program; revising vulnerability

586 assessment requirements for noncoastal communities;

587 extending the dates by which the department must

588 complete a comprehensive statewide flood vulnerability

589 and sea-level rise data set and assessment; requiring

590 the data set to be developed in coordination with the



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591 Florida Flood Hub for Applied Research and Innovation;
592 requiring eligible projects submitted to the
593 department to be ranked and included in the Statewide
594 Flood and Sea-Level Rise Resilience Plan; revising the
595 entities authorized to submit proposed projects by
596 specified dates for the plan; amending s. 380.0933,
597 F.S.; requiring the Florida Flood Hub for Applied
598 Research and Innovation to provide tidal and storm
599 surge flooding data to counties and municipalities for
600 vulnerability assessments; amending s. 472.0366, F.S.;
601 revising the effective date of a requirement that a
602 surveyor and mapper submit a copy of completed
603 elevation certificates to the Division of Emergency
604 Management; requiring the surveyor and mapper to
605 submit a digital copy of a completed elevation
606 certificate to the division; providing an effective
607 date.