

ASSEMBLY, No. 3087

STATE OF NEW JERSEY

222nd LEGISLATURE

PRE-FILED FOR INTRODUCTION IN THE 2026 SESSION

Sponsored by:

Assemblyman CHRIS TULLY

District 38 (Bergen)

SYNOPSIS

Directs DEP to establish artificial intelligence flood prediction and mapping tool.

CURRENT VERSION OF TEXT

As reported by the Assembly Science, Innovation and Technology Committee with technical review.



1 AN ACT concerning the development of an artificial intelligence
2 flood prediction and mapping tool, and supplementing Title 58 of
3 the Revised Statutes.

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5 BE IT ENACTED by the Senate and General Assembly of the State
6 of New Jersey:

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8 1. a. The Department of Environmental Protection, in
9 consultation with institutions of higher education and private sector
10 technology companies, shall develop and implement an artificial
11 intelligence-based tool to predict and map flood risk in the State.

12 b. The artificial intelligence-based tool shall use satellite
13 imagery, historical and projected rainfall data, and climate models
14 to identify high-risk flood zones at the block or neighborhood level.
15 The artificial intelligence tool shall also incorporate, to the extent
16 practicable, data from: river height monitoring devices;
17 meteorological sensors and stormwater management sensor
18 systems, National Weather Service and National Oceanic and
19 Atmospheric Administration mapping resources; and the Federal
20 Emergency Management Agency's floodplain maps and related
21 datasets.

22 c. The department shall make the artificial intelligence-based
23 tool available for use by municipalities, county planning agencies,
24 emergency management officials, and the public.

25 d. The department shall establish means for ongoing data
26 collection to continuously update the artificial intelligence-based
27 tool, and shall implement any available strategies for performance
28 improvement to enhance the tool.

29
30 2. a. The department shall enter into agreements with public
31 and private entities, including institutions of higher education, using
32 a competitive bidding process, to support the development and
33 deployment of the artificial intelligence-based tool developed
34 pursuant to section 1 of this act.

35 b. The solicitation of competitive contracting proposals shall
36 include, but not be limited to:

37 (1) publication of a notice of the availability of a request for
38 proposals at least 20 days prior to the date established for the
39 submission of proposals;

40 (2) clear criteria for evaluation including technical merit,
41 experience, innovation, and cost-effectiveness;

42 (3) a summary report ranking proposals and recommending a
43 vendor or vendors, to be made publicly available at least 48 hours
44 prior to the award of the contract; and

45 (4) a final contract award through a formal departmental
46 resolution within 60 days of receiving proposals, unless extended
47 with vendor consent.

1 c. The department may also establish a grant program to provide
2 funding to eligible entities for the purpose of contributing technical
3 expertise, data, or infrastructure to the artificial intelligence-based
4 tool. Grant awards shall be made based on a competitive application
5 process, and selection criteria shall be developed by the department
6 to ensure alignment with the objectives of this act, including
7 accuracy, innovation, community resilience, and scalability.

8 d. All agreements and awards made pursuant to this section shall
9 be published in a publicly accessible format, including the name of
10 the recipient, amount awarded, duration, and purpose of the
11 agreement or grant.

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13 3. The department shall adopt, pursuant to the “Administrative
14 Procedure Act,” P.L.1968, c.410 (C.52:14B-1 et seq.), rules and
15 regulations as necessary to implement the provisions of this act.

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17 4. This act shall take effect immediately.