

SENATE
STATE OF MINNESOTA
NINETY-THIRD SESSION

S.F. No. 3120

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DATE	D-PG	OFFICIAL STATUS
03/23/2023	2271	Introduction and first reading Referred to Energy, Utilities, Environment, and Climate
05/16/2023	8157	Author added Rasmusson
02/26/2024	11728a	Comm report: To pass as amended and re-refer to Finance
	11823	Author added Gruenhagen
04/02/2024	13339	Author added Dornink

1.1 A bill for an act

1.2 relating to energy; requiring a study of advanced nuclear reactors; appropriating

1.3 money.

1.4 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

1.5 Section 1. **ADVANCED NUCLEAR TECHNOLOGIES STUDY.**

1.6 Subdivision 1. Definitions. For the purposes of this section, the following terms have

1.7 the meanings given:

1.8 (1) "advanced nuclear reactor" means a small modular reactor or a molten sodium reactor;

1.9 (2) "molten sodium reactor" means a nuclear fission reactor that uses a fluid fuel in the

1.10 form of very hot fluoride or chloride salt; and

1.11 (3) "small modular reactor" means a nuclear fission reactor that (i) has a capacity of 300

1.12 megawatts or less, and (ii) can be factory assembled and transported as a unit.

1.13 Subd. 2. Study required. (a) The commissioner of commerce must conduct a study

1.14 evaluating the potential costs, benefits, and impacts of advanced nuclear reactors operating

1.15 in Minnesota.

1.16 (b) At a minimum, the study must analyze the impacts the operation of advanced nuclear

1.17 reactors would have on:

1.18 (1) air emissions from electric generating facilities in Minnesota;

1.19 (2) retail electricity prices;

1.20 (3) reliability of Minnesota's electric grid;

2.1 (4) the state's air resources, water resources, land resources, and public health, including
2.2 the impact of any waste material generated by the reactors;

2.3 (5) new employment opportunities for Minnesota workers;

2.4 (6) local economic development;

2.5 (7) Minnesota's eligible energy technology standard under Minnesota Statutes, section
2.6 216B.1691, subdivision 2a; and

2.7 (8) Minnesota's carbon-free standard under Minnesota Statutes, section 216B.1691,
2.8 subdivision 2g.

2.9 (c) The study must also identify Minnesota statutes and administrative rules that would
2.10 require modifications in order to enable the construction and operation of advanced nuclear
2.11 reactors.

2.12 (d) The study must evaluate the technologies and methods most likely to minimize the
2.13 environmental impacts of nuclear waste and the costs of managing nuclear waste.

2.14 Subd. 3. **Report.** The commissioner of commerce must submit the results of the study
2.15 under subdivision 2 to the chairs and ranking minority members of the legislative committees
2.16 having jurisdiction over energy finance and policy no later than January 31, 2025.

2.17 Sec. 2. **APPROPRIATION.**

2.18 \$100,000 in fiscal year 2024 is appropriated from the general fund to the commissioner
2.19 of commerce to conduct the study and develop the report under section 1. This is a onetime
2.20 appropriation.