

1 **AN ACT relating to:** requiring the public service commission to investigate future
2 electric supplies after the operating licenses of nuclear power plants in the state
3 expire.

The people of the state of Wisconsin, represented in senate and assembly, do enact as follows:

JOINT LEGISLATIVE COUNCIL PREFATORY NOTE: This bill draft was prepared for the joint legislative council’s special committee on nuclear power at the request of public member Mike Corradini. The draft directs the public service commission (PSC) to undertake an investigation of alternative strategies that the state could pursue to meet the anticipated demand for electricity in 2033, by which date it is expected that the operating licenses of the nuclear power plants currently operating in Wisconsin will have expired. The draft specifies some of the components of the investigation and directs the PSC to appoint a committee to advise the PSC on the investigation and its report on the investigation. The draft directs the PSC to submit its report on the investigation to the legislature within 18 months after the draft’s effective date.

4 **SECTION 1. Nonstatutory provisions. (1) PUBLIC SERVICE COMMISSION.** (a) The public
5 service commission shall undertake an investigation of alternative strategies that the state
6 could pursue to meet the expected demand for electricity in the state in 2033, the final year
7 in which the operating licenses of the nuclear power plants in Wisconsin are set or expected
8 to expire. The study shall be designed to provide guidance to the commission, the legislature,
9 and the electric power industry in formulating policy and conducting planning regarding the
10 future sources of electric power that will be available in this state, including intermediate and
11 longer–term strategies for achieving alternative outcomes identified in the investigation.

12 (b) The public service commission shall base the investigation under paragraph (a) on
13 the development of scenarios that project in the forecast period the total demand for electricity

1 and the proportion of electricity are expected to be generated by different types of fuels. The
2 commission shall do all of the following in designing and preparing these scenarios:

3 1. Incorporate appropriate factors, including the continuation of a reliable and adequate
4 supply of electricity, the expected retirement of existing electric generating facilities and
5 construction of new electric generating facilities, the importation of electricity into the state,
6 and expected improvements in the electric transmission system.

7 2. Base one or more of the scenarios on the assumptions that electric generating
8 technologies that use coal as a fuel and produce no or minimal emissions of carbon dioxide,
9 and that use nuclear fuel in advanced light water reactors, will be technically and economically
10 feasible.

11 3. Base the scenarios on the assumed implementation of a range of energy efficiency
12 programs, ranging from continuation of the current programs to implementation of programs
13 that produce the maximum energy savings foreseen by the commission, and of a range of
14 regulatory programs that result in an effective cost of air emissions of carbon dioxide ranging
15 from \$0 per ton to the highest amount per ton foreseen by the commission.

16 4. Identify the expected economic costs and environmental impacts of each scenario
17 using established methodologies that facilitate comparisons of the scenarios.

18 (c) The public service commission shall appoint an advisory committee under section
19 15.04 (1) (c) of the statutes to assist in the investigation and report required under this section.

COMMENT: Section 15.04 (1) (c) directs each head of an independent agency, including the PSC, to create and appoint such councils or committees as the operation of the independent agency requires. For purposes of this provision, the "head" is the commission itself.

20 (d) The public service commission shall prepare a report on the results of its
21 investigation under this section and shall submit the report to the legislature in the manner

1 provided under section 13.172 (3) of the statutes, no later than the first day of the 19th month
2 beginning after publication.

COMMENT: The report in this paragraph will be submitted to all members of the legislature, pursuant to the reference to s. 13.172 (3), stats.

3 (END)