(4) On or before September 1, 2025, the Department shall investigate and submit a recommendation to the Public Utility Commission as to whether the overall efficiency of the plant used to satisfy the baseload renewable power portfolio requirement has increased by at least 50 percent relative to July 1, 2022. If the Department determines that the overall efficiency of the plant has not increased by at least 50 percent from the efficiency as of July 1, 2022, then the obligation under this section shall cease on November 1, 2025, and the Commission is not required to conduct the rate determination provided for in subsection (d) of this section.