

Highlights

- Fleet inertia limits the pace for impacting total carbon emissions
- Initial market opportunity for fusion is dominated by plant retirements
- Initial market opportunity for fusion is weakly dependent on year of market entry
- Early availability and deep market capture are required for fusion technology to significantly extend a nominal CO₂ emissions budget.
- The first implementation with respect to nuclear fusion of the longer term decarbonization envisioned in the Green New Deal is presented.