Abstract Submitted
for the DPP19 Meeting of
The American Physical Society

Fusion breeding and the scientific prototype for midcentury, carbon free, sustainable power,[1] WALLACE MANHEIMER, Retired — For 20 years now the author has argued that the MFE program would be much better off switching from pure fusion to fusion breeding. This way the MFE program would be prosing something it might actually accomplish in a reasonable time. He also argued that the best course of action for the US MFE program is to build the scientific prototype a tokamak like TFTR, having Q 1, running steady state in DT and breeding its own tritium. Papers on this have appeared in the fusion literature [1,2], a literature with limited readership. More recently a summary has been published in a well-regarded IEEE journal [3]. This poster will discuss these points with interested visitors. 1. W. Manheimer, Fusion Technology, 36,1, 1999 2. W. Manheimer, J. Fusion Energy 2014, (open access), https://link.springer.com/article/10.1007/s10894-014-9690-9 3. W. Manheimer. IEEE Access 2018 ,(open access) https://ieeexplore.ieee.org/document/8502757

[1]This work was not sponsored by any organization public or private

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Date submitted: 07 Jun 2019 Electronic form version 1.4