

NWS19-2019-000038

E

Abstract for an Invited Paper  
for the NWS19 Meeting of  
the American Physical Society

### **Progress in Fusion**

MICHAEL DELAGE, Chief Technology Officer, General Fusion

In the face of climate change, fusion has the potential to provide clean, safe, economically viable, and on-demand energy, that could help address the world's energy needs. Paired with renewables and energy storage, a 100% zero-carbon grid could become economically feasible, creating a practical energy mix that dramatically reduces emissions. Traditionally, fusion research has taken place inside the domain of national laboratories and multi-national government projects. Private companies, including General Fusion, are now exploring solutions to fusion energy across a wide range of previously unexplored plasma parameters. Building on decades of plasma physics research, private companies are now turning to technologies which may offer a more rapid pathway to commercially-viable fusion systems.