

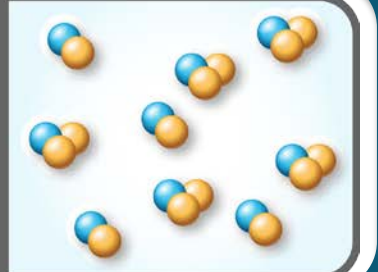
A decorative graphic consisting of several overlapping, wavy lines in shades of blue and orange that curve across the top of the slide.

Metrics Break-out Instructions

FUSION CORE VIABILITY

Few \$100Ms | 5-10 years

Energy breakeven equivalent



Goal: develop metrics for progress within this phase

REACTOR SUBSYSTEM DEVELOPMENT

Many \$100Ms | 5-10 years

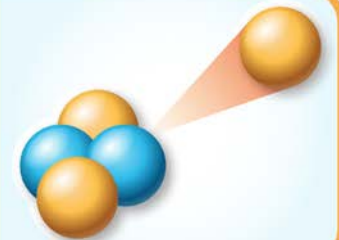
Fuel and neutron handling, operating cycle



PROTOTYPE PLANT DEMONSTRATION

>\$1B | 5-10 years

Full system integration and operation;
design certification



Potential Metrics

- ▶ Suggested parameters need not be mutually exclusive, but should show clear progression between stage gates while defensibly reducing technical risk.
- ▶ Potential parameters of interest include:
 - Reactor-relevant gain (either scientific or engineering gain)
 - Lawson parameters (density \times temperature \times confinement time)
 - Neutron count
 - Other means of measuring progress
- ▶ Other criteria for consideration (but perhaps not all part of demonstrating staged risk-reduction): development cost, projected system (power plant) cost, repetition rate, existing data, management team, accessibility to resources