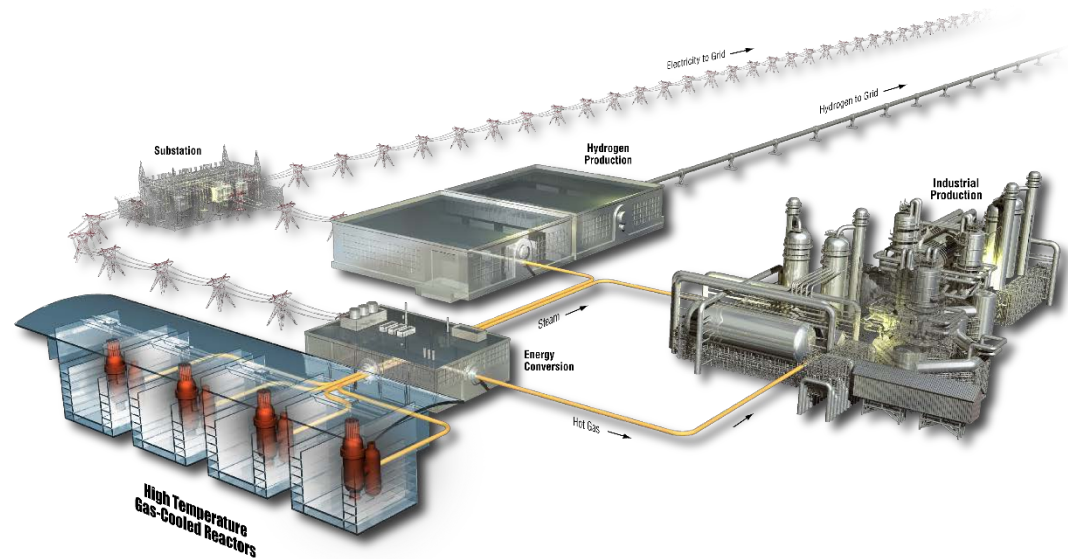


AGR Program Path Forward

Paul Demkowicz
AGR Program Technical Director

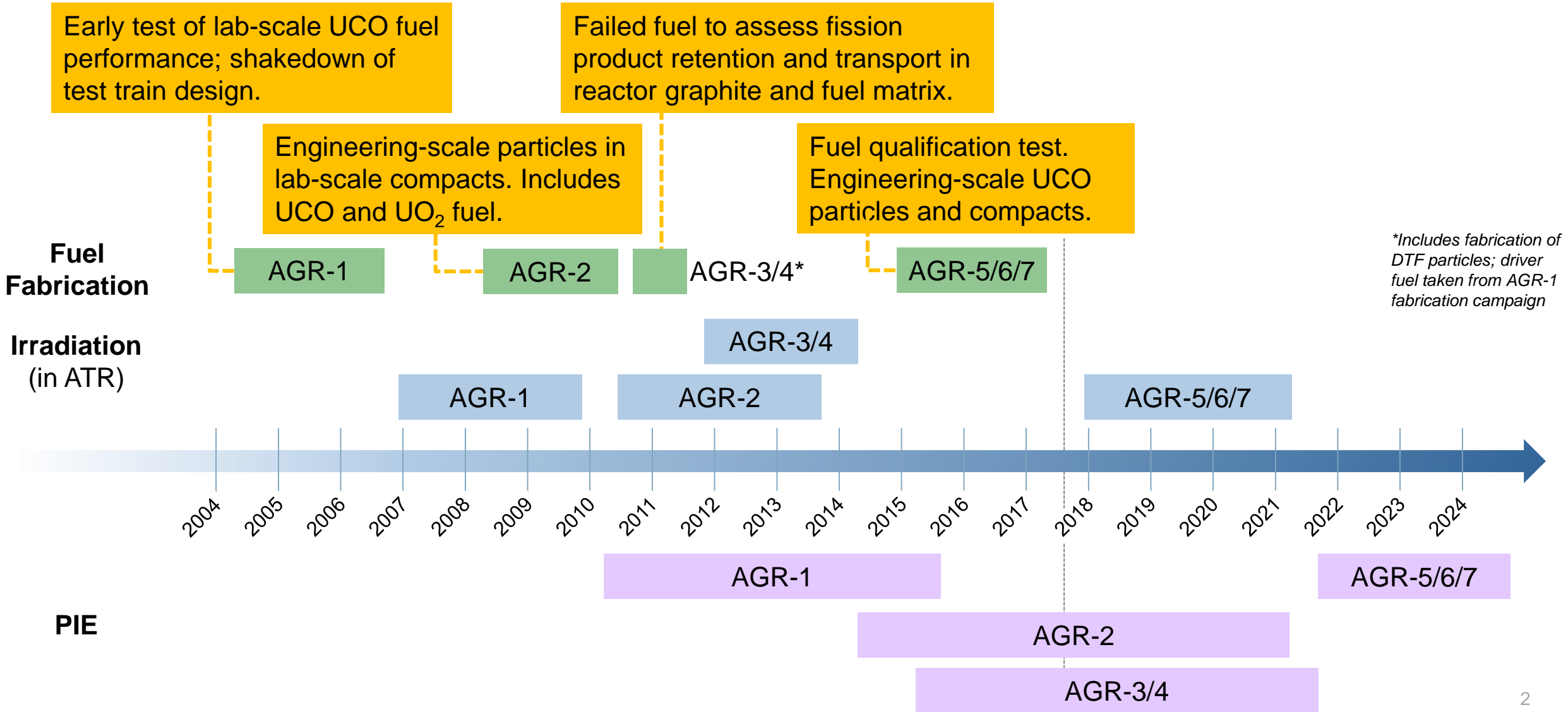
Advanced Gas Reactor TRISO Fuels Program Review
July 18-19, 2017
Idaho Falls, ID








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AGR Program Timeline



Major Tasks to Completion

- Complete AGR-2 PIE and safety testing 
- Complete AGR-3/4 PIE 
- Complete AGR-5/6/7 irradiation, PIE, and safety testing 
- Perform key safety tests in oxidizing atmospheres (AGR-2, AGR-3/4, and AGR-5/6/7 specimens) 
- Code comparisons to data 
- Support NRC interactions on licensing
- Program closeout and reporting

- Verify performance of pilot-scale TRISO fuel
- Compare UCO to UO_2 performance

- Collect necessary fission product transport data to refine source term models

- Verify performance of pilot-scale fuel made at commercial vendor

- Verify TRISO performance in oxidizing atmospheres
- Determine effect of oxidizing atmospheres on fission product release from exposed kernels, matrix, and graphite

- Assess model effectiveness and refine models



Idaho National Laboratory