



U.S. DEPARTMENT OF
ENERGY

Nuclear Energy

CFS Concepts

- A CFS approach would provide comprehensive, reliable and commercially-based services on a global basis.
- CFS encourages commercial options for fuel supply and the safe and secure management of used fuel and radioactive waste, including regional and international storage and disposal by the supplier or a third party .
- CFS is intended to be a flexible and tailored approach that recognizes and accommodates the unique aspects of the specific users and service providers.
- CFS could provide a competitive economic advantage over indigenous development of enrichment and reprocessing and would remove some of the burdens associated with the storage and the disposal of used fuel and radioactive waste.



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Chronology of CFS Within RNFSWG

- The Reliable Nuclear Fuel Services Working Group (RNFSWG) held initial discussions on the CFS concept in February 2010, and held a workshop on CFS in October 2010.
- In September 2011 the Executive Committee directed a CFS paper be developed.
- In July 2012 the US proposed using a model agreement approach followed by a workshop with industry involvement in 2013.
- In October 2012 the Executive Committee recognized the progress on the CFS discussion paper and the value of holding a workshop in 2013. It directed the RNFSWG to continue exploring various approaches to CFS-type services and to hold such a workshop.
- In December 2012 the CFS paper was finalized.



Recommendations & Next Steps

- **The CFS paper made several recommendations, including:**
 - International Standards and Oversight to Support Commercial-Based CFS
 - Internationally Accepted Model Transportation Agreements to Support Commercial-Based CFS for the Back-End of the Fuel Cycle
 - Internationally Accepted Model Storage and Disposal Agreements to Support Commercially-Based CFS for the Back-End of the Fuel Cycle

- **With the completion of the CFS paper, the RNFSWG is planning to:**
 - Discuss the Model Agreement approach at the April RNFSWG meeting, including sections of a draft agreement
 - Host a workshop in late 2013 with industry and emerging countries to participate in the further development of this approach.