

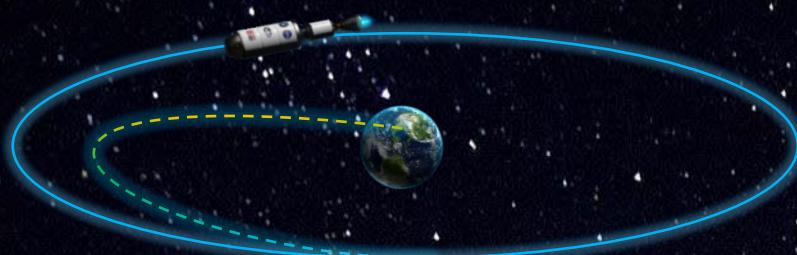
# NASA-DARPA Draco Flight Demonstrator



## NASA-DARPA Draco Flight Demonstrator

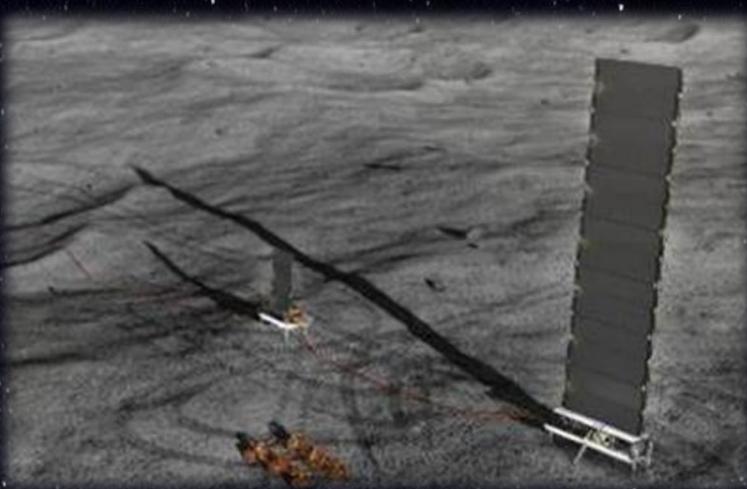
### DRACO Vehicle

- Cislunar relevant thrust and Isp
- Evolvable to Mars relevant capability



- Interagency Agreement defines roles and responsibilities in a jointly managed effort
- DARPA has responsibility to fund and manage development and design of the flight vehicle, integration, launch, and in-space flight operations
- NASA has responsibility to fund and manage the development, design, and test of the nuclear thermal propulsion engine
- Sustain internal technology advancement investments

## Fission Surface Power



**Power:** 40 kWe  
**Mobility:** Relocatable  
**Mass:** <than 6 MT  
**Life:** 10 years

## Nuclear Electric Propulsion



- Completed NEP Technology Maturation Plan
- FY2023 investment examining Li-MPD thruster and NEP subscale studies
- Subscale investment has synergy with surface power, solar electric propulsion, and USSF