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

---

**EXTRA CONTENT**

- **Sustain internal technology advancement investments**
- **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**