Components of the NSTX-U

**Center Stack**
Current in center stack: 2 million amps, enough to light 2 million 100 watt light bulbs.

**Vacuum Vessel**
Overall diameter and vacuum vessel diameter: 16.6 feet, 11.2 feet

**Height and weight of whole machine:**
23.3 feet, 85 tons
Poloidal Coils and Toroidal Coils

Magnetic field strength: 1 tesla, or 20,000 times the strength of the Earth’s magnetic field.

Neutral Beam

Heating power: 10 million amps, enough to produce plasma temperatures far hotter than the 15 million degree Celsius core of the sun.