

# NSF's Palmer Station

## U.S. Antarctic Program



Opened in 1958 as part of Operation Deep Freeze.  
Located on Anvers Island.

### Population



**Up to 46 people** during a week in the summer.



**Up to 22 people** during a week in the winter.



**50 people** move through annually.



**34,560 meals** served a year.

### Size



**Smallest** of the USAP stations.



**2 acres.**



**26 buildings**, totaling 33,469 square feet.



**Oldest building is 55 years old.** Average age of all buildings: **29.1 years.**



**1 fuel tank** with 250,500-gallon capacity.

### Fleet



**3 vehicles** at station. Oldest vehicle is **18 years old.**

Average age of all vehicles: **18.13 years.**



Vehicles drive **10 miles** per year.



**8 small boats:** 4 rigid hull inflatable boats and 4 Zodiacs.



**All cargo** is transported by ship.



Palmer Station  
Luis Huckstadt, NSF

### Utility/Services



#### Electric:

**2 generators** burning ~**75,000** gallons of fuel annually.

**1,200 linear feet** of electric cable.



#### Water:

**2,200 gallons per day** in the summer, **800** in the winter from two reverse osmosis units.



#### Waste:

**73,344 pounds** recycling and landfill waste.



#### Sewage:

**1,400 gallons** per day average, macerated and discharged to ocean.



#### Pipe:

**3,100 linear feet.**

### Telecommunications



Approximately **500 IT devices.**



**1 satellite** serving the station.

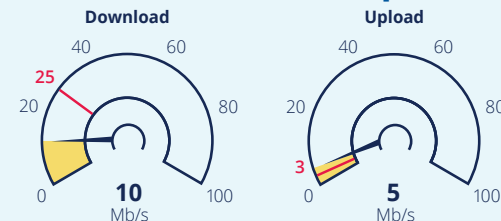


**24 hours a day** internet coverage.



**U.S.:** one broadband connection per household.  
**Antarctica:** one broadband connection per 100 to 1,000 people.

### Palmer Station internet speed:



\*Per Federal Communications Commission, "broadband" delivers download speeds of at least 25 megabits per second (or Mb/s) and upload speeds of at least 3 Mb/s.

