



Brunswick County Infrastructure Plan - 2024

**What is the future sea level rise
for the beaches around Wilmington, NC?**

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**Is global warming
a real thing?**

Earth is surrounded by a vacuum.

**THE
PERFECT
INSULATOR**



**The only way heat escapes
Earth is by radiant energy into space.**

This transfer of energy is expressed with the Stefan-Boltzmann Law.

$$E = \sigma \times T^4$$

σ is Stefan's constant $5.6703 \times 10^{-8} \text{ (W/m}^2\text{K}^4)$.

E is Radiant energy.

T is the Absolute temperature.

Global Average Temperature

Compared with mid-20th century

