

# Recycling Rates Seminar: Nickel

## Communicating “Green”:

The role of “recycling efficiency”

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**Nickel**

**What do governments/regulators  
want to know about nickel?**

- **Direct and indirect employment/taxes**
- **Contributions to BOP**
- **Health and environmental impacts\***

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**What do workers  
want to know about nickel?**

- **Is it safe to work with it?**
- **Does it have a future  
(will it provide a pension?)**

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**What do consumers want to  
know about nickel?**

- **Is it safe to use?**
  - **Is it “green”?**
- **(You mean there’s nickel in this?)**

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**What do architects/designers/  
manufacturers want to know  
about nickel/nickel alloys?**

- **Will it do the job?**
- **Is it cost competitive?**
- **Does it have a good image?**
  - **Is it “green”?**

## Nickel

**How does society try to answer all these different questions?**

- **LCA/LCIA**
- **EPDs and eco-labels**
- **Software suites**
- **Advertising**

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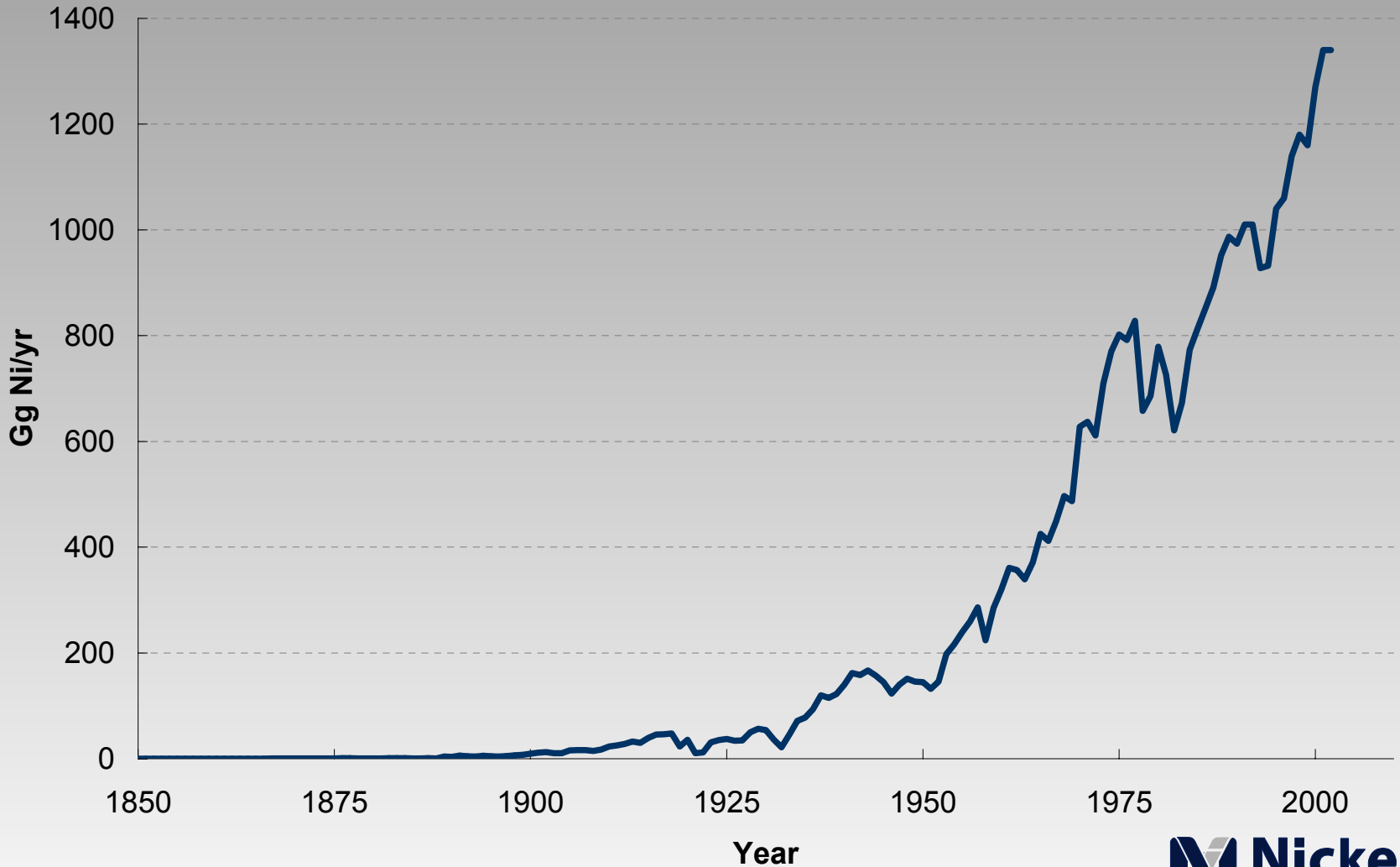
“100%  
post-  
consumer  
recycled  
paper”

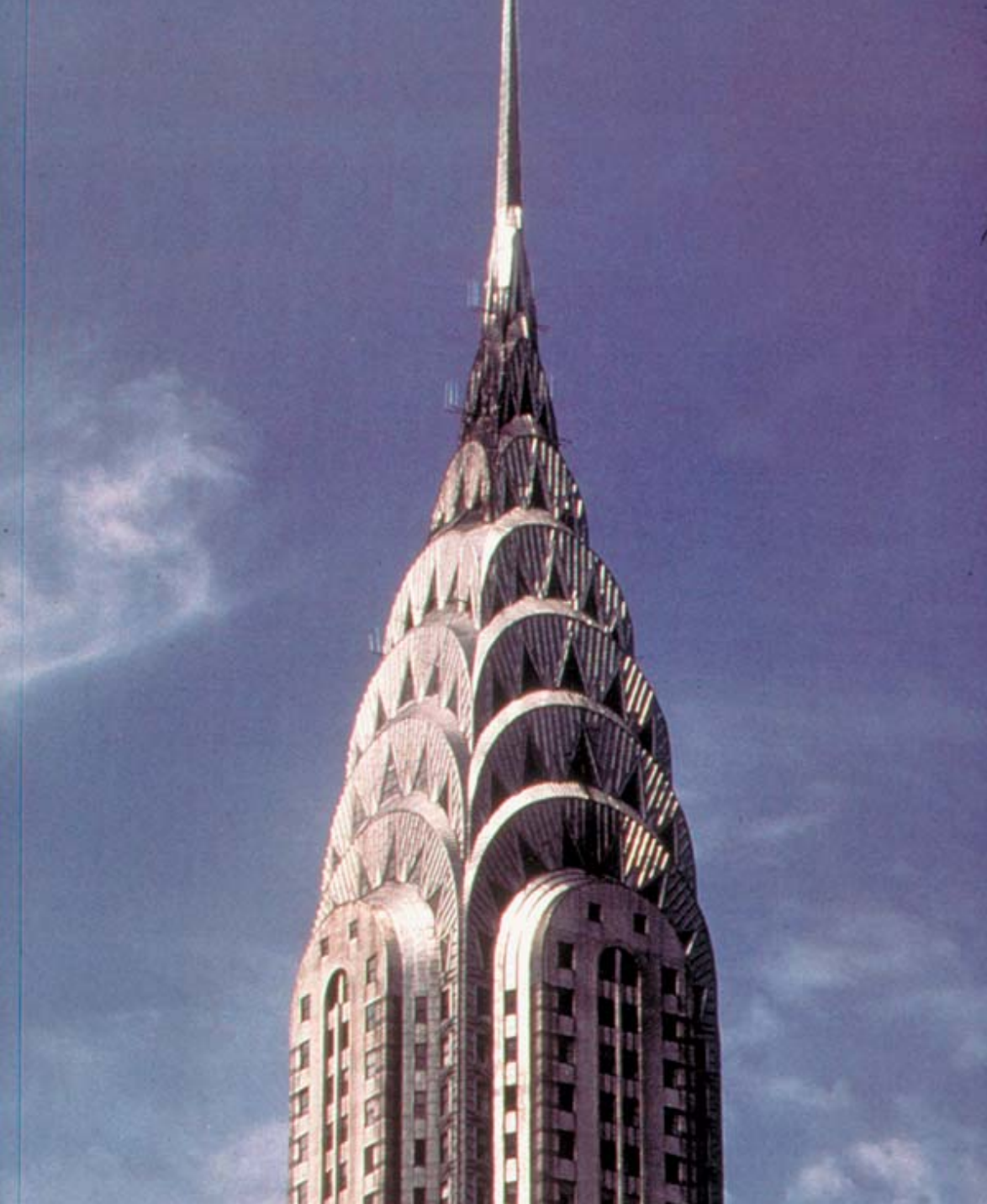
# Nickel

## What do we know about Nickel?

- **5<sup>th</sup> most common element**
- **But rare in the earth's crust**
- **Many attributes consistent with sustainability**
- **Associated with long-lived products**
  - **A “new” material**

# Recycling Rates Seminar: History of Nickel Use





 **Nickel**  
INSTITUTE

*knowledge for a brighter future*

# Why is “recycling efficiency” so important?

- Metal production is environmentally demanding
- Without collection and recycling of metals, their use would become politically and environmentally questionable in a sustainable society: limited to essential uses for which there were not less harmful substitute materials
- Recycling efficiency is a measure of how the environmental investment in production is being amortized over repeated life cycles, and

***without data, all society loses***