

# Siemens Beyond 1% Summit

Plenary Panel: Circular Economy Avoiding environmental disasters by turning waste streams into resource streams

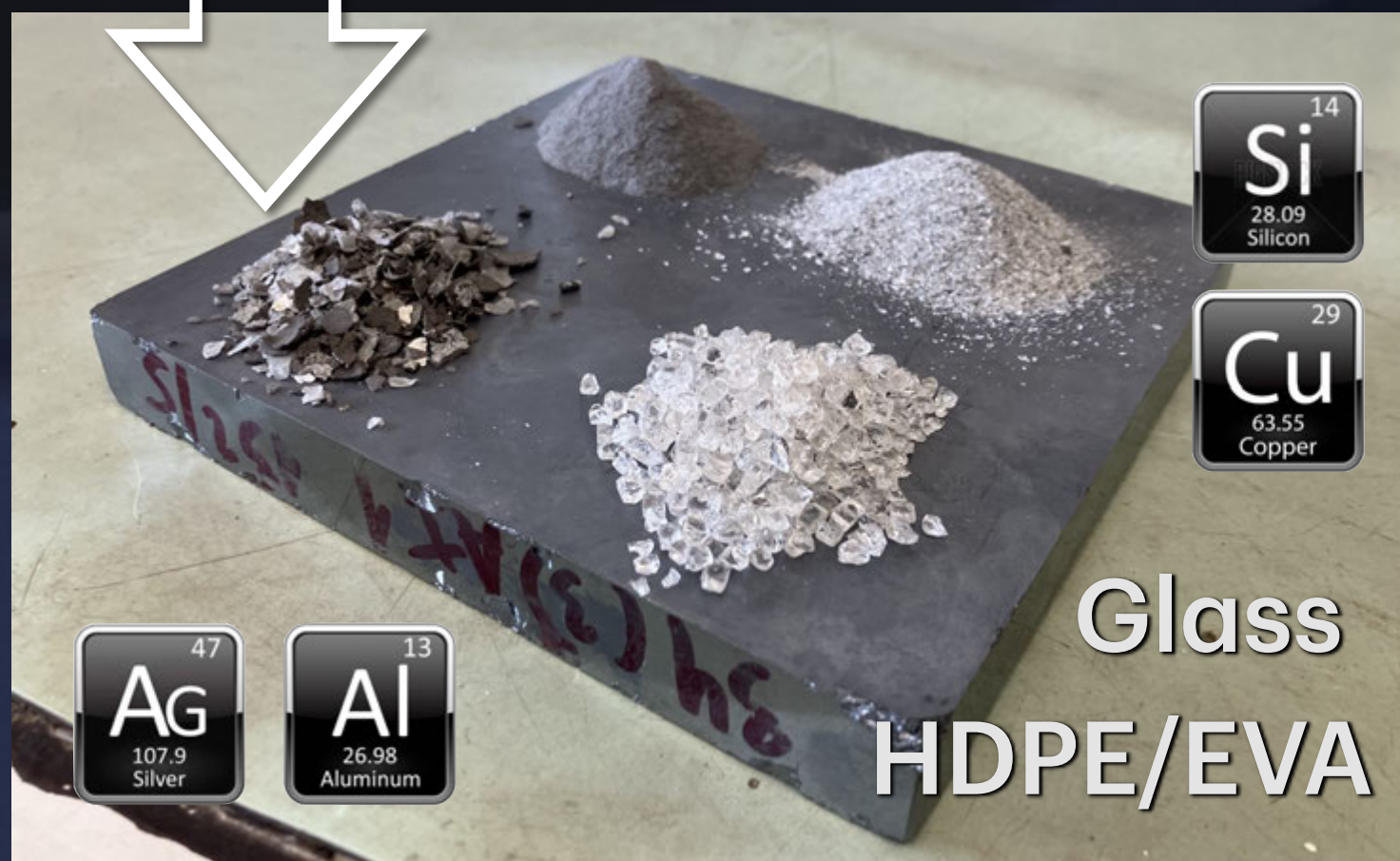




# End-of-life solar panels materials recovery

**5 million** (300W) panels by end of 2025:

- glass: 75,900 tonnes
- aluminium: 13,200 tonnes
- HDPE/EVA: 12,100 tonnes
- copper: 5,500 tonnes
- silicon: 5,500 tonnes (400 tonnes nano-Si)
- silver: 110 tonnes



**“Net Zero by 2050** requires 2 billion solar panels”

[D.Miller (ARENA) pers. comm.]

~ 4.8 billion panels (12 year avge. panel lifespan)

*“Where will we find the sand for the glass for Australia’s solar panels?”*









**Solar Recovery**  
CORPORATION

# Proposed EoL solar panel e-stewardship model

