

comstock

METALS

Solar Panel Recycling



Who We Are

Comstock Metals is a full-service end-of-life **solar panel recycler**: no waste, no landfill, and no downstream liability. We productively and safely recycle all the glass, aluminum, and metal components of every panel - for all makes, models, and conditions in North America.

- We do not resell, repair, or refurbish solar panels
- We are the ***final destination*** for solar panels
- Our process ensures 100% of the useful materials from every panel are converted into **environmentally safe materials that are productively reused in the critical materials market**



We ensure no solar panel, material, or component ever goes to landfill or is treated as waste



Our field services and recycling process are designed to exceed the highest **Quality, Safety, and Health** standards at every step of our process



Our goal is to ensure every end-of-life panel supports a sustainable domestic energy ecosystem through advanced thermal recycling and metal recovery

Recycling Steps

Step 1

Size Reduction

Solar panels are wholly loaded into a conveyance system (with the frame), dropped into a shredding unit, and reduced to 1" flakes (particles)

Step 2

Comstock Process

Shredded material is treated to effectively render the panel materials separable without creating waste or harmful byproducts

Step 3

Separation

Treated panels are shredded again and separated by particle size into one of three recycled materials

Recycled Materials

Aluminum Flakes



- 1" in length, 99.999% pure aluminum, no dust, plastic-free
- Used to make ingots and alloys

Glass Pearls



- ¼" in diameter, no fluorescence, dust free, plastic-free
- Used to make tiles, vases, windows

Metal Tailings



- Particle size < 1,000 microns, contains silver, silicon, copper, lead, and iron oxide, alongside all other metallurgical components used in the manufacturing process
- Used for metal extraction and industrial additives

The Comstock Difference

Process Reliability & Environmental Advantage

- **Comstock Metals recycling** ensures all recycled materials are safe for productive reuse
- **Without Comstock's proprietary process other recyclers are forced to landfill some portion of your panel due to limited separability of ingredients**

Scalability

- **Comstock Metals is the only utility-scale solution**
- Our customers need recycling technology that scales with their needs
- Other recyclers process one panel at a time with high manual inputs and limited scalability

Transparency

- We welcome **facility tours**
- **First and only** R2V3 Certified Solar Panel Recycling facility
- Conducted **downstream vendor audits** to ensure that recycled material is repurposed properly and ethically
- We sell 100% of our recycled materials because they are contaminant free and infinitely reusable in the supply chain

What We Provide To You

Trust

- **Reliable pricing**
 - Price tranche based on cumulative weight to be recycled
 - Long-term **Key Account** discounts
- **Traceability** of offtake materials
- **Elimination of future liability** associated with improper recycling and contaminated offtake streams
- **Genuine care** for our environment and supply chain

Deliverables

Certificate of Receipt

- Transfers custody of materials to Comstock Metals
- Totals weight / quantity of panels received for recycling, and volume diverted from landfill by recycling with us

Certificate of Recycling / Destruction

- Certifies panels have been fully recycled
- Identifies where offtake gets sent to and what it is repurposed into
- Can provide the Serial Number list of each recycled panel upon request

Additional Services

Decommissioning, Deinstallation, Re-powers, Field Services

- Removal of panels from roofs and/or racking
 - Recycling of racking structures & associated power generation equipment
 - Palletization & loading of panels and onto trucks
 - General construction waste, metal recycling, and on-site labor services
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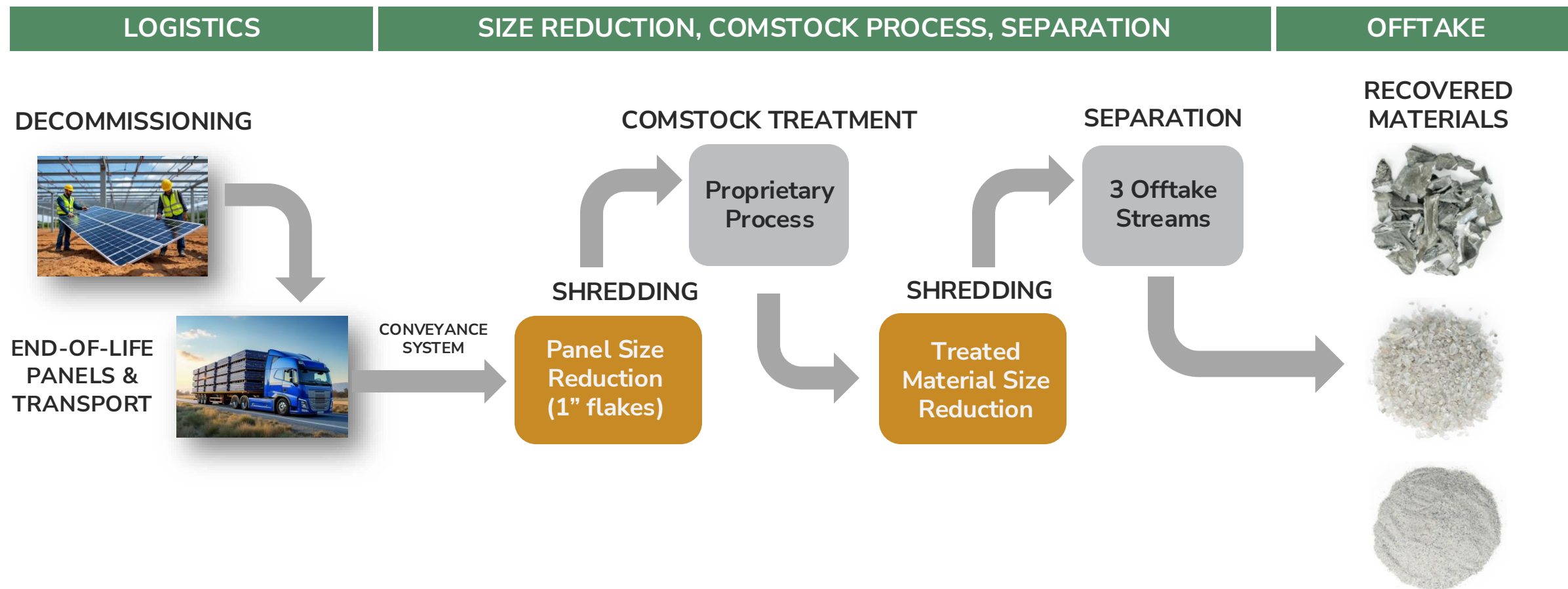
Freight & Logistics

- With our thoroughly vetted and certified partners
- BOLs and panel shipment live-tracking

Onsite Project Management

- Ensuring safe & smooth execution from commencement to completion
- Shipment documentation and reporting

Decommissioning to Offtake



Recycled Materials



Aluminum Flakes



Glass Pearls



Metal Tailings

Contact Us

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