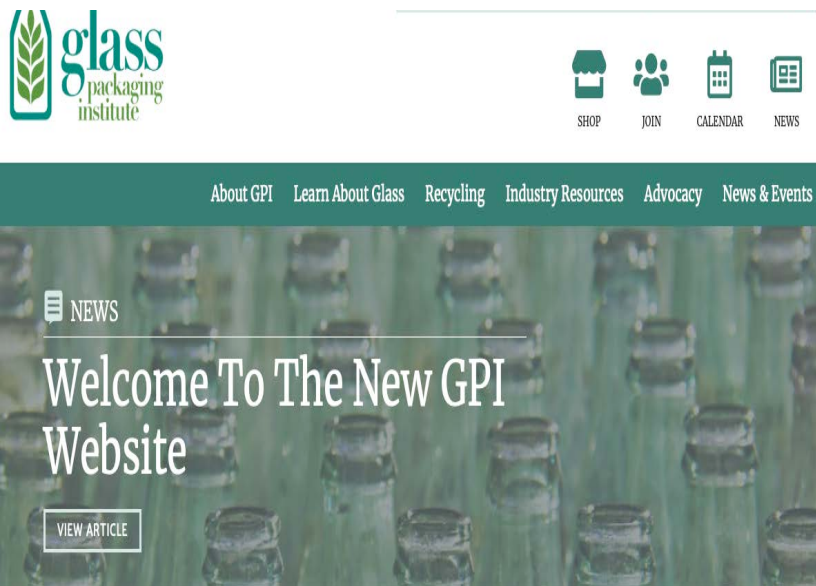


Glass Recycling in Oklahoma

“Staying Green in Quarantine”

Scott DeFife
President
Glass Packaging Institute (GPI)
Glass Recycling Foundation
sdefife@gpi.org





www.gpi.org



www.glassrecycles.org

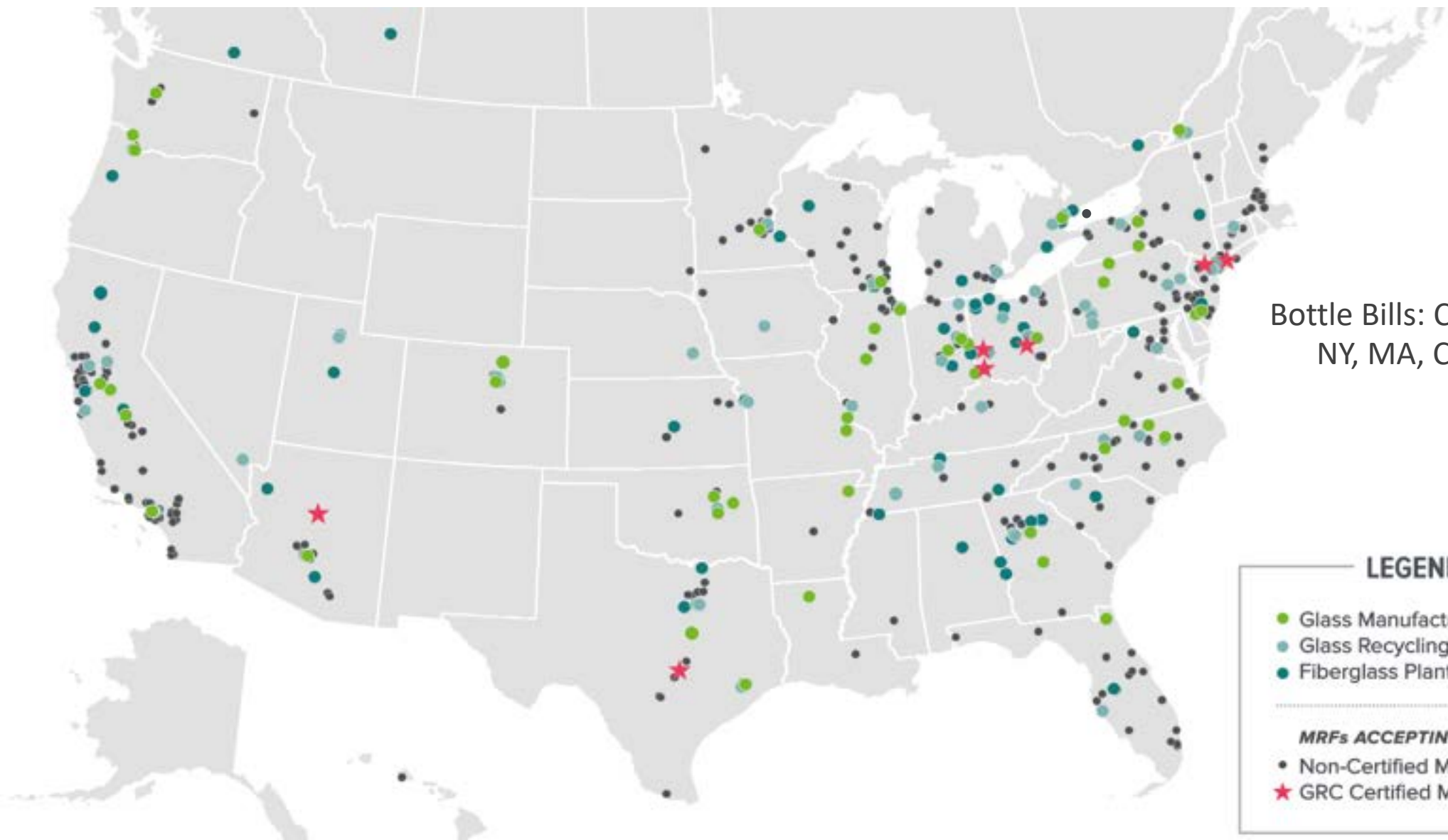


www.glassrecyclingfoundation.org

sdefife@gpi.org



Current US Glass Infrastructure

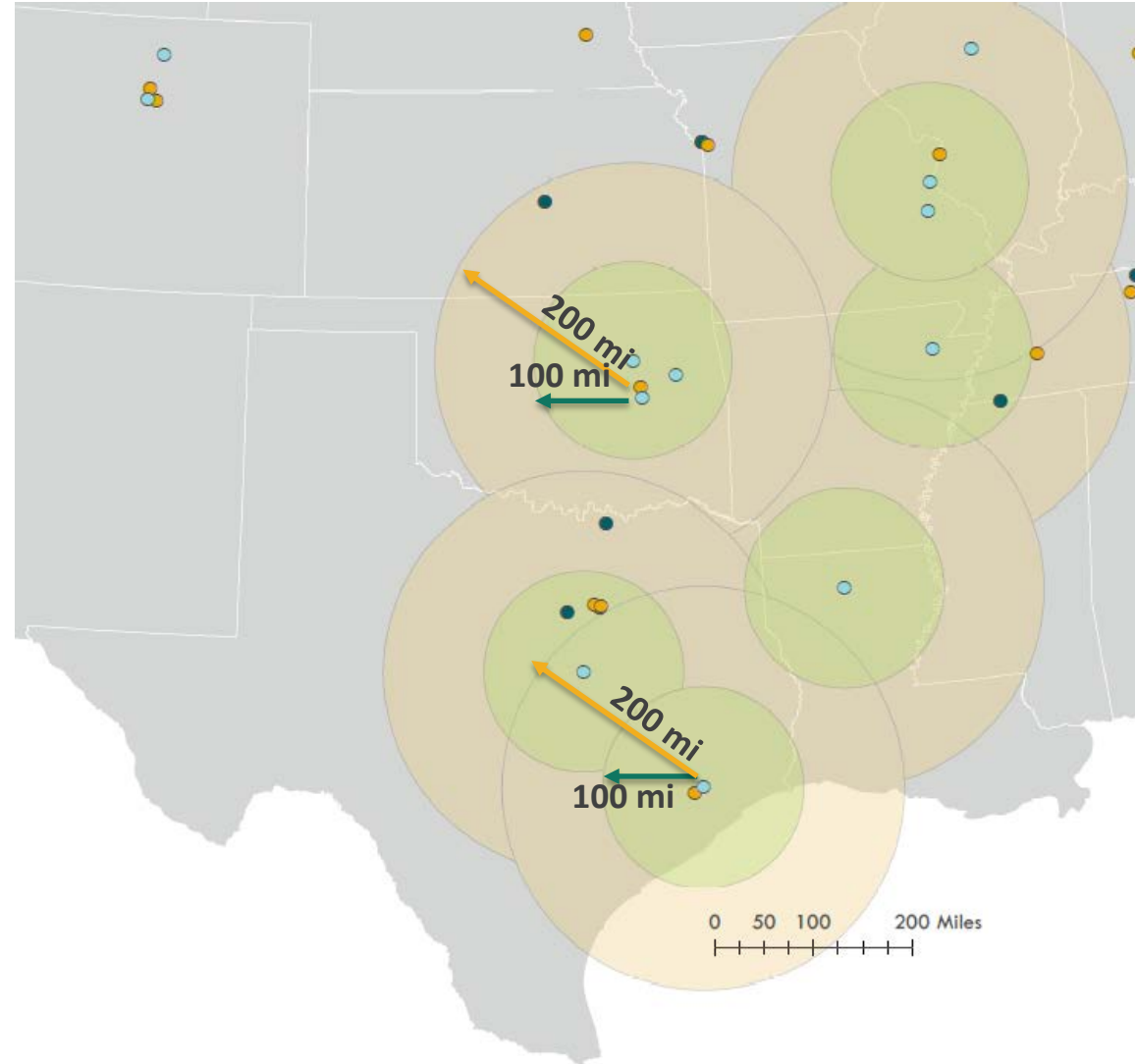


Bottle Bills: CA, OR, HI,
NY, MA, CT, ME, VT,
MI, IA

Southern Region: TX, OK, MO, AR

Legend

- Glass Manufacturers
- Glass Recycling Processors
- Fiberglass Plants
- Bottle Bill States

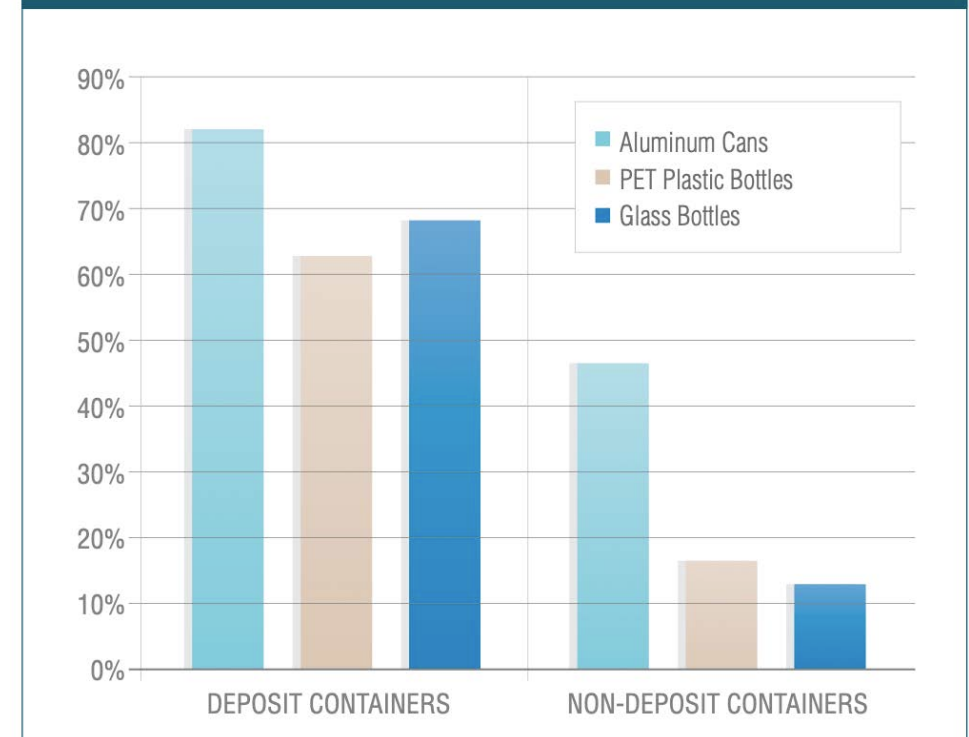


US Glass Recycling Expansion – What is Possible?

- US Average 35% glass recovery / Industry Goal of recycled content to 50%
- EU captures 2x+ % glass than US; EPR and bottle banks (aka igloos)
- Roughly 2x more US glass goes uncollected as in all deposit states combined

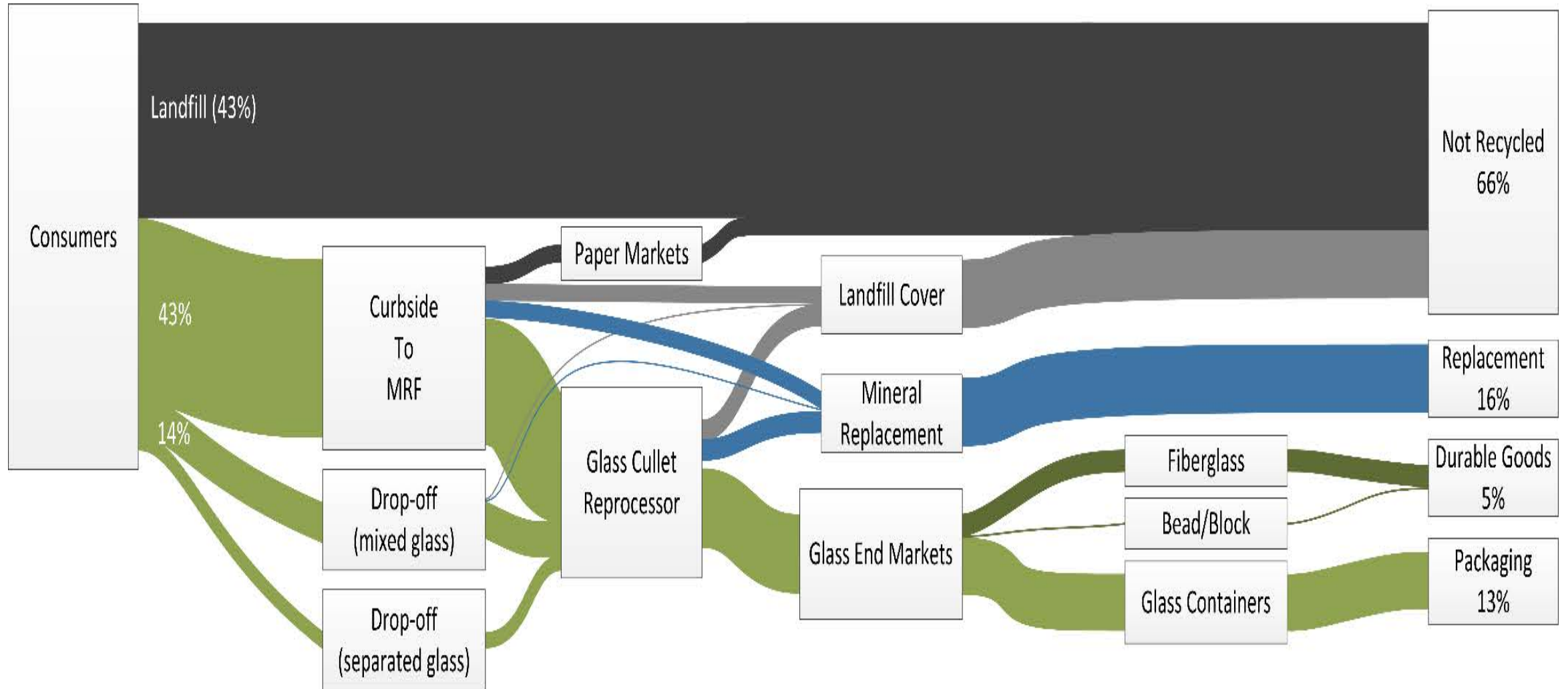


U.S. RECYCLING RATES BY DEPOSIT STATUS, 2017



Source: 2017 Beverage Market Data Analysis report © Container Recycling Institute, 2019.

Material Flow Across the Value Chain – Non-Redemption States



Alternative Solutions

GPI: Exploring Alternative Collection Solutions

- ❖ Regional Public/Private Partnerships to Fill Gaps
- ❖ Explore Return to Dual-Stream
- ❖ Commercial/On-premise Collection Routes
- ❖ End-market Opportunities to Drive Demand
- ❖ Support Expansion of Aggregation Sites
- ❖ Study freight rail transload options

Drop-offs Can Work Where MRFs Don't or Won't

- ❖ Single-Stream only as good as the target facility
- ❖ Municipal contract power is limited in many regions
- ❖ Companies incented to landfill glass in South
- ❖ Misinformation about Glass Markets
- ❖ Volume vs Quality / Really an Issue of Yield
- ❖ Drop-off Quality High, Flexible Siting

