

# Executive Order 23/2022— "Clean Construction" Update and Plan Forward

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# Agenda



- EO23 Overview
- CDW Priority Implementation Progress
- CDW Best Practices Guidance
- Plan Forward



# EO23 Overview

# Embodied Carbon Policy in NYC

## PlaNYC (2023)

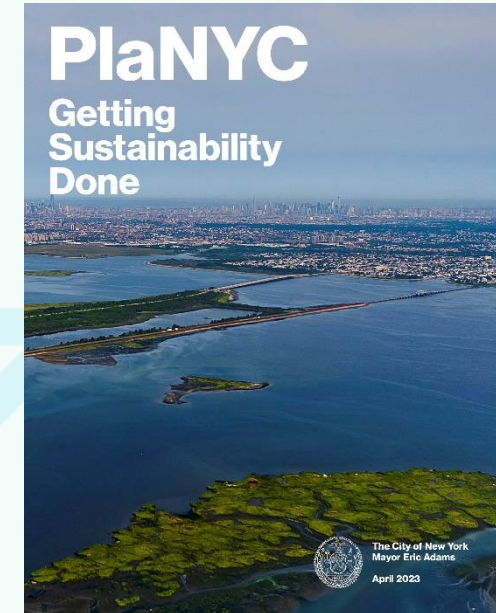
**Initiative 11:** Reduce the carbon footprint of the construction industry by 2033

- Action: Implement performance-based standards for low carbon materials and equipment by 2025

## EO 23 (2022)

Requires City capital project agencies to commit to lower embodied carbon from municipal construction projects, including from:

- Low carbon concrete
- Environmental product declarations (EPDs)
- Electric construction equipment
- Life cycle assessments
- **Agency Action Plans**





# CDW Priority Implementation Progress

# EO23 + CDW

Late 2023: Agencies submitted a joint action plan, outlining action items they were interested in.

1. A task force with City construction agency representatives to review specifications for alignment
2. Release of a guidance document to help signal to the market
3. Digitized material audit requirements
4. Creation of an exchange platform, or use of existing ones, to promote matchmaking of CDW for diversion from landfill

2024: MOCEJ and DDC begin research for guidance document, material exchange with DonateNYC and EDC, and include CDW in monthly EO23 taskforce calls





# CDW Best Practices Guidance

# EO23 + CDW

Goal: EO23 CDW Guidance to be released in June 2025

- Informed by the SWMP 26, EDC's Circular Design and Construction Guidelines, LEED v4 and v5, Envision, and existing practices by NYC EO23 Agencies
- Initial round of stakeholder engagement in late 2024 highlighted need to crosswalk between standards and agency practices

Status: Internal review from MOCEJ and EO23 agencies

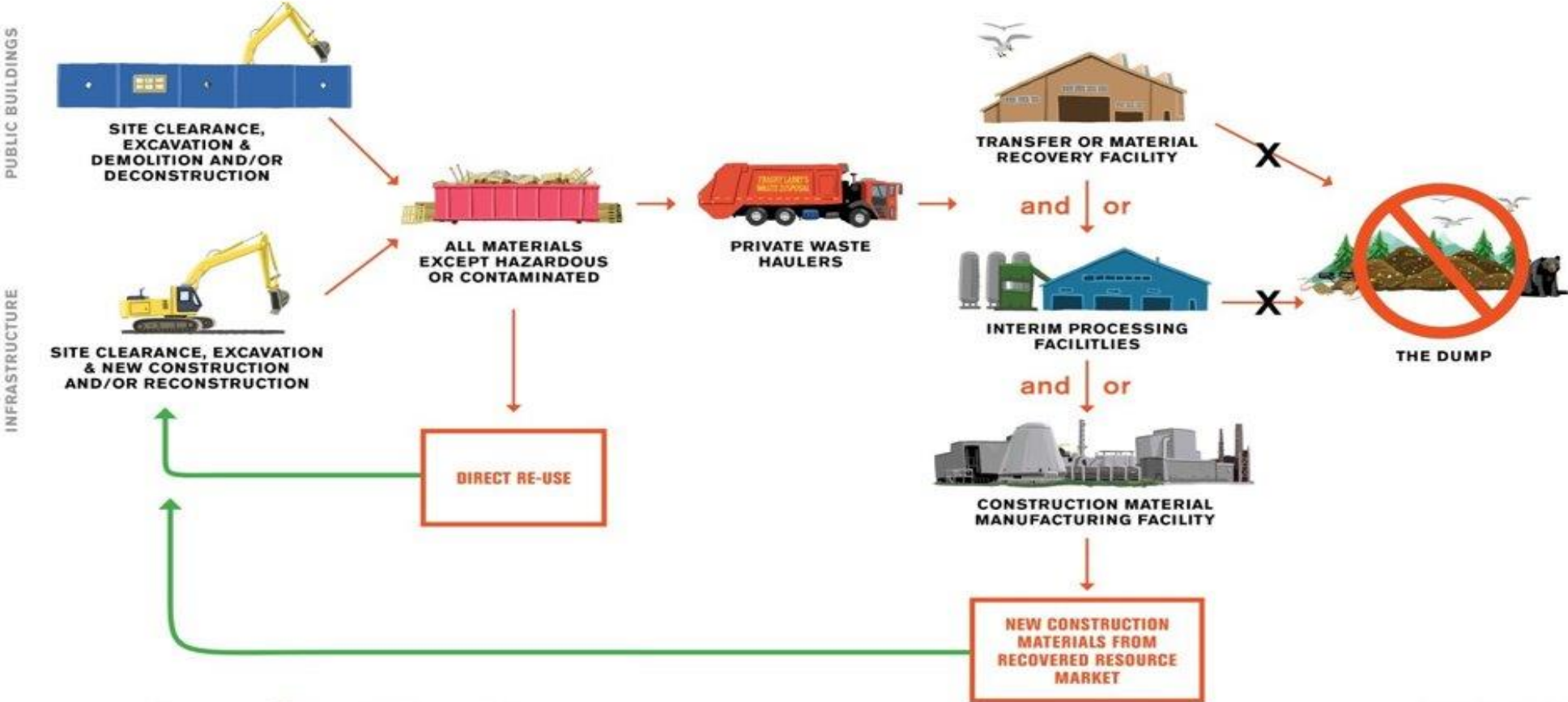




# Creating a resource market for formal and informal uses that captures full value

## Circular Construction and Demolition Materials System- Direct Re-Use + Indirect Re-Use

### NYC Capital Projects



# Guidance topics

## 1. Waste Management Plan (WMP)

- Clear framework for CDW goals that identifies materials targeted and strategies to reduce waste

## 2. Diversion Targets

- Minimum 50% diversion by weight with a 75% recommendation

## 3. Material Identification

- Choosing high-impact materials for diversion

## 4. Tracking Salvaged Materials

- Track quantities, destinations and end-uses of all diverted materials

## 5. Waste Management Leadership

- Waste Minimization and Sustainable Materials Manager during design phase and Waste Minimization Lead during construction phase

## 6. On-Site Separation

- Separate materials at sites to reduce contamination

## 7. Reporting Recommendations

- Final Waste Diversion Report with total waste generated, percentage of waste diverted, types of materials diverted, and final destinations

# EO23 CDW Guidance Reporting Template

## 1. Circular Design and Construction Plan (CDCP)

- Tracks the completion of sustainable design strategies aimed at minimizing environmental impact in construction

## 2. Material Manage and Waste Tracker

- Outlines tasks for tracking CDW, including identifying facilities, material inventories, roles and responsibilities, progress report, and final report

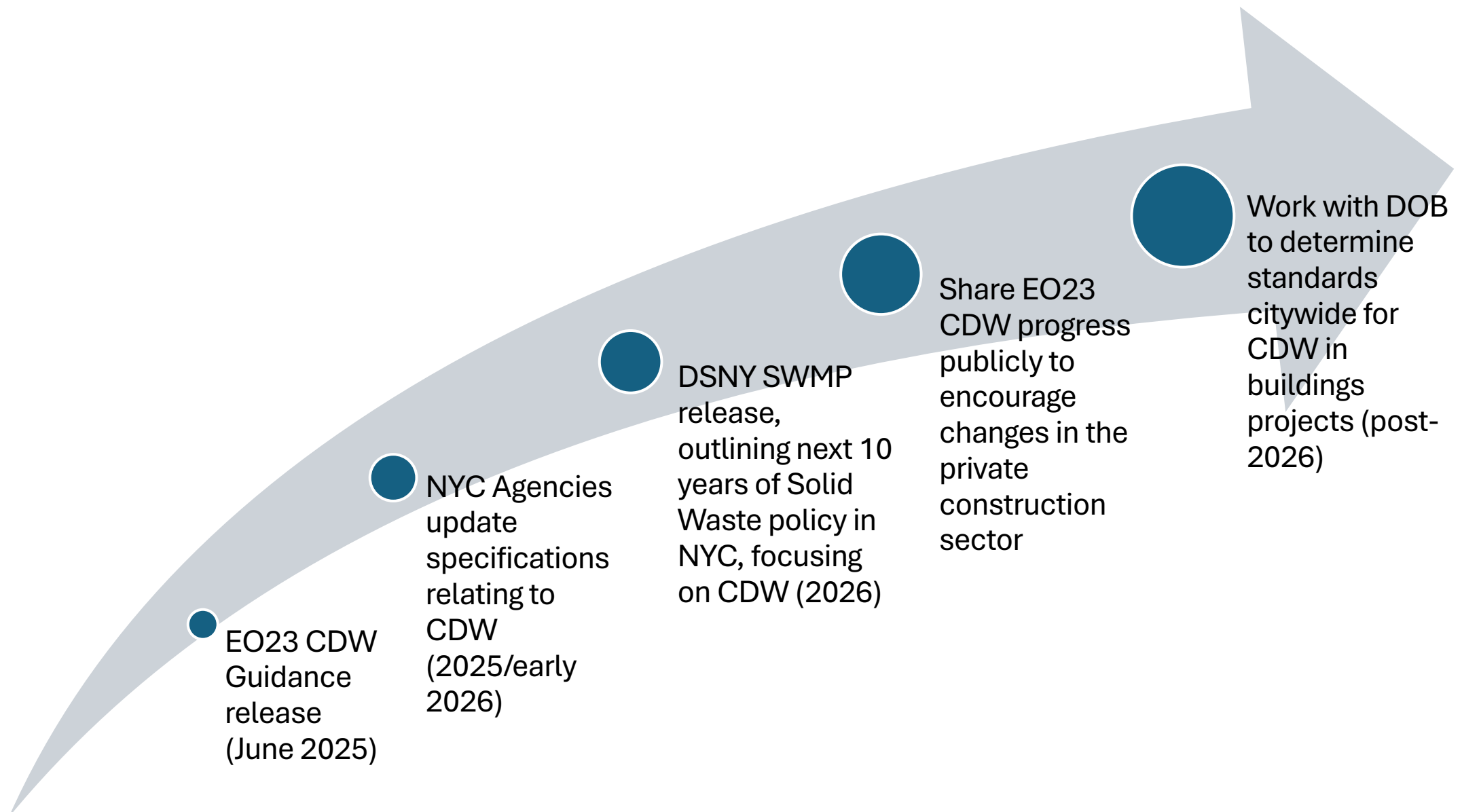
## 3. Material and Waste Plan Worksheet

- Leads should input their tracking and documentation throughout the project and can digitally submit to the agency EO23 lead

Task	Completed (yes or no)
Design to Avoid New Buildings or Infrastructure	
Use Building Information Modeling to Optimize Material Use/Reuse	
Plan for Reuse (and Remanufacturing) of Materials	
Plan for Material Recycling	
Specify the Use of Reclaimed and Recycled Materials	
Design for Modularity/Offsite Construction of Building Components	
Design for Longer Life (Better Materials, Timeless Designs)	
Design for Disassembly and Deconstruction	
Design for Materials Optimization	
Design for Adaptability and Adaptive Reuse of Space	



# Plan Forward



EO23 CDW  
Guidance  
release  
(June 2025)

NYC Agencies  
update  
specifications  
relating to  
CDW  
(2025/early  
2026)

DSNY SWMP  
release,  
outlining next 10  
years of Solid  
Waste policy in  
NYC, focusing  
on CDW (2026)

Share EO23  
CDW progress  
publicly to  
encourage  
changes in the  
private  
construction  
sector

Work with DOB  
to determine  
standards  
citywide for  
CDW in  
buildings  
projects (post-  
2026)



Thank you!