

# Sustainable Design Standards

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OFFICE OF  
**SUSTAINABILITY**

City of Richmond  
**RVA**green  
2050

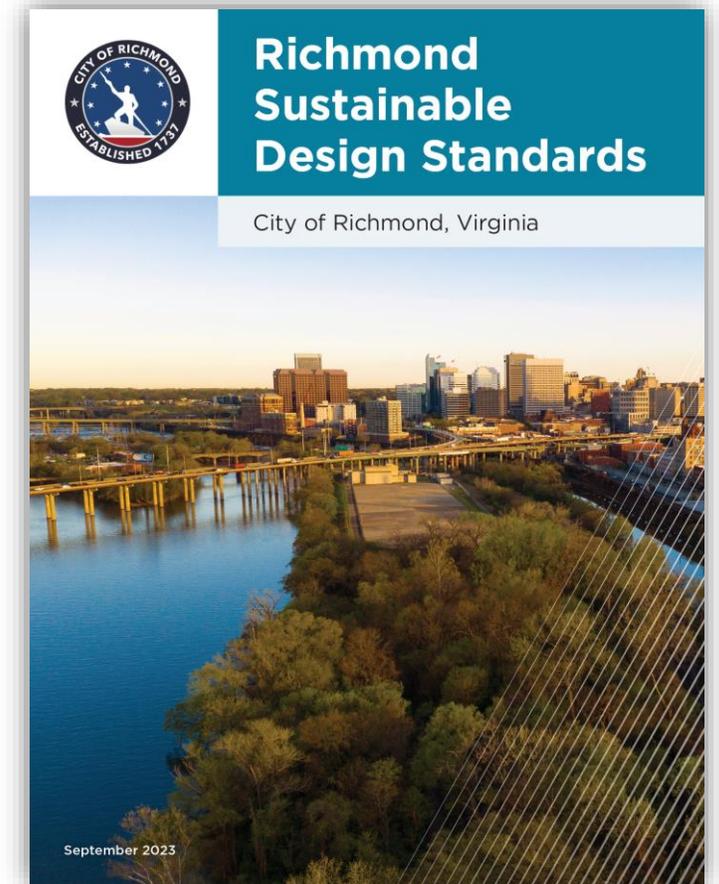
# Process To Date

- Project team assembled (DPW, OOS, and More)
- Initial kick-off meetings with Leadership
- Broad city-wide review opportunities
  - 100+ team members
- Multiple drafts created
- Draft deliverable completed
- Horizontal Infrastructure Integration



# Applicability

- Exceptions:
  - New Building or Renovation projects less than 10,000 SF
  - Emergency/security repairs
  - Small infrastructure projects with less than 10,000 SF of land disturbance
  - Utility maintenance and repair projects
  - Park projects under 0.5 acre in size



# 3. Project Types and Requirements

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The Richmond SDS were developed to be used for a variety of project types. The following vertical project types are required to comply with these SDS:

- **New Building Construction (over 10,000 square feet [SF]).** Includes the site preparation for, and construction of, entirely new buildings and/or extensions to existing buildings whether or not the site was previously occupied.
- **Major Building Renovation/Reconstruction.** Includes renovation of an existing building or buildings involving the replacement or rehabilitation of four or more of the following building systems: roofs; ceilings; windows; building envelope; plumbing; site work; heating, ventilation, and air conditioning (HVAC); electrical/electronics; and elevator/escalator.
- **Small Project Renovation.** Includes building renovations greater than 10,000 SF and less than 20,000 SF.
- **Other Projects.** All City infrastructure projects should consider these standards regardless of type or size to the greatest extent possible

SDS users should refer to Figure 3-1 below to determine which sections of the standards are applicable based on the project phase and project type.

Some projects are excluded from compliance with the Richmond SDS. The following projects are encouraged to pursue sustainable measures as the budget allows; however, they are not required to follow the requirements of the Richmond SDS:

- New Building or Renovation projects less than 10,000 SF
- Emergency repairs
- Small infrastructure projects with less than 10,000 SF of land disturbance
- Utility maintenance and repair projects
- Park projects under 0.5 acre in size

The following horizontal project types are required to comply with these SDS:

- ROW projects costing \$50M or more
- Parks & Community Spaces projects of \$3.5M
- "Inside the Fence" projects of \$100M or more

All City projects, regardless of size, shall use either the LEED or Envision checklist, regardless of size.

# Overview

- Integrated Process
- Water
- Energy
- Indoor Environmental Quality
- Transportation
- Stormwater
- Site & Landscaping
- Architecture



## 4. Sustainable Design Standards Process

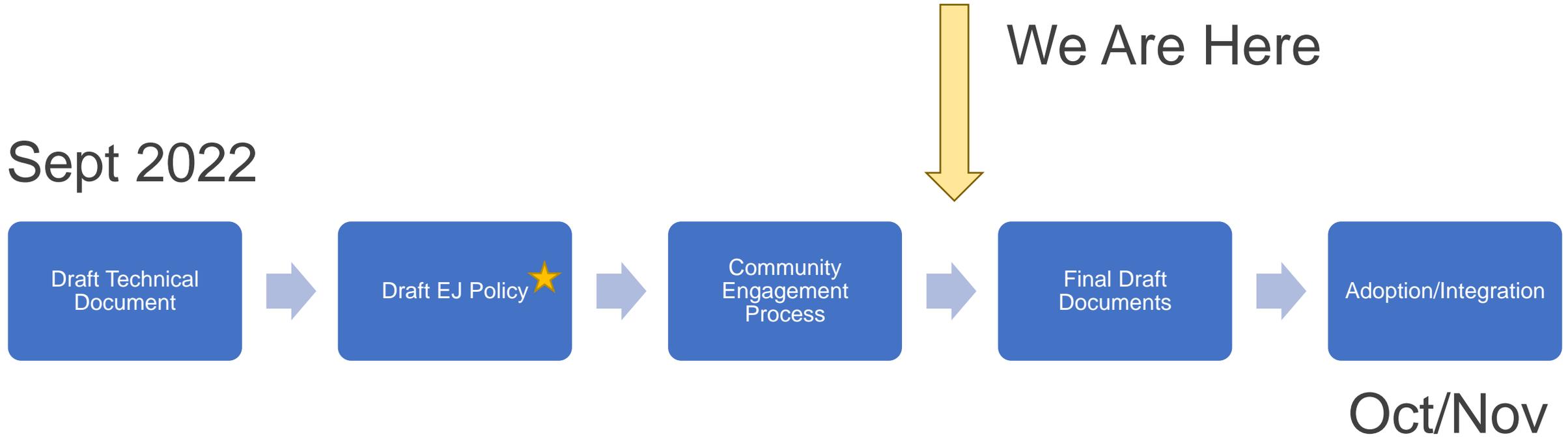
# Current Status

- Technical Draft Completed
- Community Engagement Completed
  - Technical Audience
  - General Community



# Timeline

Sept 2022



# Community & Technical Feedback

- Technical Session:  
focused on architects,  
builders, developers, etc.
- Community Session:  
focused on EJ and the  
project planning process



# Potential Future Alignment

- Zoning Re-write
- CIP Planning Fund
- Private Development Guidance:
  - Requirements for Benchmarking & Green Building Certification (5,000 sqft+)
  - Recommendations for Energy Efficiency



# Next Steps

- August-September – incorporate public feedback
- October-November – Code updates and Council Adoption



# Thank You

Questions?



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