

# Colorado's State Revolving Fund Loan Program Design Review Process



As of 2015, the State Revolving Fund (SRF) design requirements have shifted to offer entities alternative design review options and to be consistent with current site location and design approval requirements. This fact sheet has been prepared to summarize each of the three available design review processes and describes when and how each review process can be utilized for different project types.

All SRF projects are required to submit final plans and technical specifications and contract documents to your project manager. Contract documents require project manager review and approval before bidding begins.

## 1. Standard Review

The standard review process follows the effective site location and design review requirements for drinking water and wastewater infrastructure projects.

Standard Review Steps		
Drinking water	Lift stations and interceptor	Domestic wastewater treatment facilities
<ol style="list-style-type: none"> <li>Approval of a basis of design report (BDR) and final plans and specifications.</li> </ol>	<ol style="list-style-type: none"> <li>Approval of a site location application.</li> <li>Approval of a basis of design report and final plans and specifications.</li> </ol>	<ol style="list-style-type: none"> <li>Approval of a site location application.</li> <li>Approval of Process design report (PDR) application.</li> <li>Approval of Final plans and specifications.</li> </ol>

### Eligible Projects:

#### Drinking Water

- Treatment modifications
- Source water changes
- New/modified storage tanks

#### Wastewater

- Treatment modifications
- Lift stations
- Interceptors (gravity collection system piping, 24-inches in diameter or greater)

### In-Kind Replacement

In accordance with Regulation No. 22, wastewater projects that qualify as in-kind replacement can submit an in-kind replacement site application (22.10) to the division for review. In-Kind Replacements projects include replacement of any process treatment or hydraulic conveyance component with an identical or similar component. Replacement or technology upgrades that do not change the original intent of the unit process being renovated and for which no increase in overall rated capacity is being requested qualify as in-kind replacement. Upon review and approval, the applicant will not be required to submit a BDR or PDR for review.

### Public Water System Capacity Planning Manual

In addition to the standard design review, new community or non-transient, non-community water systems must receive approval of a capacity assessment (technical, managerial, and financial) based on the criteria found in the *New Public Water System Capacity Planning Manual*. The capacity assessment is to be submitted to the division with the standard design application.

## 2. Self-Certification

Engineers may certify the design for all or portions of SRF funded project that are not required to undergo a standard division review.

### *Eligible Projects:*

- | Drinking Water  | Wastewater   |
|---|--|
| <ul style="list-style-type: none"><li>• Distribution system piping</li><li>• Pump stations without integral treatment</li><li>• Distribution system valves, hydrants, and/or meters</li></ul> | <ul style="list-style-type: none"><li>• Gravity collection system piping less than 24-inches in diameter</li><li>• All non-point source projects</li></ul> |

Applicants must indicate their intent to self certify all or a portion of the project in the Project Needs Assessment (PNA). Submittal of a State Revolving Fund Drinking Water/Wastewater Self Certification Form affirming the final design of the self certified components are consistent with the PNA and the applicable design criteria is required. BDR submittal is not necessary for the self certified portions of the project.

## 3. Streamlined Design Review

The streamlined design review process is an existing process that is now available for SRF projects.

### *Drinking Water Projects*

In accordance with the Design Criteria for Potable Water Systems (Part 1.5), some projects may require a reduced submittal package. Please note, a standard design review will be performed for streamlined drinking water projects, but the submittal requirements may be reduced only as pertinent to the proposed project scope. Appendix A of the Design Criteria for Potable Water Systems describes required elements of the BDR for various project types.

### *Wastewater Projects*

In accordance with Regulation No. 22 (Part 22.11), the applicant must submit:

- PDR stamped and signed by the applicant's professional engineer
- Completed PDR checklist
- Any variance requests
- A letter of intent to self-certify the final design

Review process includes review and approval of the PDR by the division and the certification of the final design documents by the applicant. At its discretion, where a variance is being sought, the division may require the applicant to complete the full design approval process. When the final design documents (plans and specifications) are complete, the professional engineer shall submit a stamped, dated and signed certification affirming the final design is consistent with the PNA, the approved site application, the PDR, and the Design Criteria for Domestic Wastewater Treatment Works.

### *Ineligible projects:*

- Interceptors
- Outfalls
- Lift Stations
- Alternative technology not addressed in the Design Criteria for Domestic Wastewater Treatment Works

### Division engineering contacts

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For links to applicable forms and to contact your regional project manager visit:

<https://www.colorado.gov/pacific/cdphe/wq-grants-and-loans>