# New York Flat Road Water Transmission Main

**NYWD-05**

## I. Project Sponsor Contact Information

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| Lead Agency/Organization | North Yuba Water District (District or NYWD) |
| Name of Primary Contact(s) | Jeff Maupin, General Manager |
| Mailing Address | P.O. Box 299 Brownsville, CA 95919 |
| Email Address | jmaupin@nywd.org |
| Phone | (530) 675-2567 |

## II. General Project Information

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| Project Title | New York Flat Road Water Transmission Main |
| Project Total Budget | $1,556,250 |
| Project Funding Match | 0% - (Disadvantaged Community or DAC) |
| Project Funding Request | $1,556,250 |
| Can a detailed cost estimate be provided upon request? | Yes |
| Latitude | 39 degrees, 30', 56" N |
| Longitude | 121 degrees, 15', 53" W |
| Could you provide a map of the project location including boundaries upon request? | Yes |
| County | Yuba/Butte |
| City/Community | Forbestown |
| Watershed/subwatershed | Yuba River |
| Groundwater Basin | Hard Rock Aquifer |
| Project Type | Facility Construction |

## III. Project Description

The North Yuba Water District in Brownsville, CA presently conveys treated water from the District Water Treatment Plant (WTP) to customers through various transmission mains and distribution pipelines. The New York Flat Water Transmission Main is currently deteriorated and requires frequent maintenance. The pipeline is also undersized and additional capacity is required to meet fire flow supply requirements. The proposed project is to replace approximately 1,700 lineal feet of 6-inch and 8-inch piping from the District WTP Clearwell to New York Flat Road. The existing water transmission main on New York Flat Road approximately 12,700 lineal feet from this location to La Porte Road will be replaced

with a 12-inch pipeline. At this location, it will connect with an existing pipeline to provide a reliable supply of water for both domestic use and emergency fire protection. The pipeline is critical since it is the only treated water main conveying treated water to District distribution system.

## IV. Project Rationale/Issues Statement

The project addresses one (1) identified issue.

**Infrastructure:** This project will replace a vital water transmission main to provide a reliable water supply to the North Yuba Water District customers. The existing pipeline is deteriorated and unreliable. Numerous leaks currently incur that result in costly repairs and water loss.

## V. Goals/Objectives/Performance Metrics

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| Goals Addressed by the Project | **Goal 1**: This project will replace and increase the capacity of a treated water transmission main to provide Forbestown with a reliable water supply and sufficient fire flows.<br>**Goal 5**: This project will increase treated water conveyance capacity to provide sufficient domestic and fire flows to the community of Forbestown.<br>**Goal 7**: This project will provide a reliable drinking water and fire flow to the disadvantaged community (DAC) of Forbestown. |
| Objectives Addressed by Project | **Objective 1.1**: The project will replace an existing aging water supply pipeline.<br>**Objective 5.2**: The project will help meet fire flow requirements for the City of Forbestown.<br>**Objective 7.1**: The project is located in an DAC. |
| What performance metrics will be used to demonstrate that objectives are being met? Wherever possible, provide a quantitative measurement reflecting successful project outcomes. | **Objective 1.1:** The performance metric used will be implementation of the project.<br>**Objective 1.4**: The performance metric used will be implementation of planning efforts.<br>**Objective 7.1**: The metric used will be completion of a project for a DAC. |

## VI. Resource Management Strategies

| **Reduce Water Demand** | |
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| Urban Water Use Efficiency | The project will enhance water system reliability and reduce leakage. |
| **Improve Operational Efficiency and Transfers** | |
| Conveyance—Regional/Local | The project will enhance local water conveyance. |

## VII. Statewide Priorities

**Drought Preparedness**

- Achieve long term reduction of water use

**Use and Reuse Water More Efficiently**

- Increase urban and agricultural water use efficiency measures such as conservation and recycling

**Ensure Equitable Distribution of Benefits**

- Increase the participation of small and disadvantaged communities in the IRWM process
- Contain projects that address safe drinking water and wastewater treatment needs of DACs

**Climate Change Adaptation**

This project ensures greater water supply reliability to disadvantaged rural communities that are more vulnerable to the effects of climate change, particularly in cases of extreme and exceptional drought. Also, the replacement of the transmission main will increase water use efficiency and decrease system water losses, thereby reducing long term water demand. Additionally, the project provides better fire protection by ensuring fire flows to forested communities at threat of more frequent catastrophic fire events under climate change projections.

**GHG Emissions Reduction**

Considerations were made to select a project alternative that offers the greatest reduction in water losses/leakages. Further construction-related GHG emissions reduction strategies will be considered in the design stage of project development.

## VIII. Project Status and Schedule

| Project Stage | Description of Activities in Each Project Stage | Planned/Actual Start Date | Planned/Actual Completion Date |
|---|---|---|---|
| Planning | Technical Study | February 2008 | April 2008 |
| Design | Drawings and Specifications. | March 2015 | September 2015 |
| Environmental Documentation (CEQA/NEPA) | TBD- pending funding | March 2015 | September 2015 |
| Permitting | TBD- pending funding | March 2015 | September 2015 |
| Tribal Consultation (if not applicable, indicate by N/A) | N/A | N/A | N/A |
| Construction/ Implementation | Pending Funding | September 2015 | March 2016 |

## IX. Project Technical Feasibility

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| a. List the water planning documents that specifically identify this project. | Near-Term and Ultimate Water System Improvements Recommendations Report – April 2008 |
| b. List the adopted planning documents the proposed project is consistent with (e.g., General Plans, UWMPs, GWMPs, Water Master Plans, Habitat Conservation Plans, etc.) | |
| c. List technical reports and studies supporting the feasibility of this project. | Near-Term and Ultimate Water System Improvements Recommendations Report – April 2008 |
| **If you are an Urban Water Supplier:** | |
| 1. Have you completed an Urban Water Management Plan and submitted to DWR? | NYWD supplies less than 3,000 AF to its domestic customers and has less than 3,000 domestic connections. Therefore, NYWD is not required to complete an UWMP. |
| 2. Are you in compliance with AB1420? | N/A |
| 3. Do you comply with the water meter requirements (CWC Section 525)? | N/A |
| 4. If the answer to any of the questions above is "no," do you intend to comply prior to receiving project funding? | N/A |
| **If you are an Agricultural Water Supplier:** | |
| 1. Have you completed and submitted an AWMP? | NYWD does not provide agricultural water supplies to over 10,000 acres and therefore is not required to complete an AWMP. |
| 2. If not, will you complete an AWMP prior to receiving project funding? | N/A |
| **If the project is related to groundwater:** | |
| 1. Has GWMP been completed and submitted for the subject basin? | N/A |
| 2. If not, will the GWMP be completed within one year of the grant submittal date? | N/A |