

San Lucas Water Systems Improvements Engineering Report

Background

The **San Lucas Water Systems Improvements Engineering Report** identifies potential solutions for drinking water quality concerns affecting the San Lucas community.

A community meeting will be held on **August 28, 2024** to present the potential solutions, obtain feedback from residents, and assist the San Lucas County Water District in selecting a solution. The Water District will be able to apply for State Water Board (and other applicable) financial assistance for project construction.

Potential Water System Improvements

This fact sheet provides a summary of the potential solutions, including the differences in improved water quality, construction costs, and long-term upkeep. These solutions will be presented in detail and discussed at the upcoming community meeting.

Drinking Water Project “Alternatives”

1 – Intertie with King City by constructing an 8.2-mile drinking water pipeline.

Advantages:

- Provides reliable source of clean water.

Disadvantages:

- Several factors that may affect the feasibility of this alternative.
- Extremely high cost (more than three times) in comparison to the other alternatives.
- Requires complex infrastructure with no backup in case of system failure.

2 – Manganese Dioxide Filtration & Ion Exchange “wellhead treatment” system.

Advantages:

- Lowest cost option when compared to all alternatives.
- Simple, automated operation requirements.

Disadvantages:

- Less effective when compared to Alternative 3.

3 – Manganese Dioxide Filtration & Reverse Osmosis “wellhead treatment” system.

Advantages:

- More effective when compared to Alternative 2.
- Able to remove multiple types of contaminants from the water.

Disadvantages:

- Slightly higher cost when compared to Alternative 2.

Additional Alternatives & Considerations

In addition to the potential solutions above, the Water District will consider the following items in its final project decision. The upcoming community meeting will outline how these will affect other potential solutions:

4 – New Well Drilling combined with wellhead treatment
(see Alternatives 2 and 3 above).

Key Takeaways:

- Only used if agreement for land and well use cannot be reached.
- Higher cost when compared to both Alternatives 2 and 3.

A – San Lucas County Water District remains owner of water system.

Advantages:

- Ownership stays with a well-known, local community organization.

Disadvantages:

- Current owner is smaller with limited resources.

B – Cal Water King City, a private water utility, becomes owner of water system.

Advantages:

- Ownership is given to a larger-capacity, highly experienced organization.

Disadvantages:

- New owner would require new well and other infrastructure upgrades.
- Water rates would increase to allow for the required infrastructure upgrades.

Additional Resources

For more information and to view the full engineering report, please visit our website at:
<https://bit.ly/SanLucasWaterBoards>

For questions about the upcoming community meeting please contact the **Office of Public Participation** by calling (916) 341-5254 or emailing
OPP-SAFER@Waterboards.ca.gov

For technical questions about the San Lucas Drinking Water Project please contact:
SAFER Rural Solutions Unit
DDW-SAFER-RSU@waterboards.ca.gov

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