

## Lock and Dam 8 Frequently Asked Questions

1. What will happen to the fishing barge?

We recognize the importance of the Clements fishing barge to the local community. Our goal is to have minimal impact on the barge and surrounding area. Our engineering team is working on alternative designs to the one proposed in the Pre-Application Document, specifically to ensure that the present location of the fishing barge will not be compromised.

2. What will happen to the fishing community and families that have come to Genoa for decades to fish?

Operation of the hydroelectric project should not impact recreational fishing, the fishing community, or local businesses that rely on the fishing industry. Fish mortality rates are expected to be very low due to use of the VLH turbines and are not expected to impact fishing quality. More information on the effects of VLH turbines on fish can be seen here (<http://www.vlh-turbine.com/EN/html/FishFriendlinessTest.htm>).

3. Why build a hydropower project when the coal plant already provides enough energy?

This low-impact hydroelectric project would be a new source of renewable energy for local communities.

4. Will the project impact the ability to properly control flooding in the area?

The project will have no impact on flood control in the area. The project will operate in run-of-river mode. This means that the project will use the regulated releases that occur under USACE guidelines, as if no power generation facilities were constructed. No changes to the reservoir pool elevations or downstream river flows are proposed.

5. Will the project kill all fish, including state listed paddlefish and lake sturgeon, and prevent them from migrating?

The proposed project will not kill all fish attempting to pass through the turbines. Certain species present in Pool 8 may have more difficulty passing through the trashracks on the turbines due to their large size and are more likely to be impinged. Examples include channel catfish, largemouth bass, paddlefish, shovelnose sturgeon, and northern pike. Fish may also become entrained by the proposed project. An entrainment study is currently being conducted and will be included in our Draft License Application. This study will include both entrainment rates and mortality estimates for various fish species.

We are in the process of analyzing various locations for the project's turbines, including the roller gates, Tainter gates, or a combination of both. We anticipate that at least some of the Tainter gates and roller gates will be unaltered by the project and fish will be able to migrate upstream in the same manner currently available.

6. What will happen to the local businesses that rely on the fishing industry and tourist revenue?

We are analyzing various project scenarios to minimize impacts to the fishing industry in the project area. We take the socioeconomic impacts of the proposed project very seriously and are working with cooperating local businesses to determine economic losses associated with the project if the fishing barge were to be removed or relocated.

7. How will the project create jobs?

The proposed project would create approximately 150 temporary jobs. This includes construction, operations and maintenance, and biologist positions for monitoring and any additional studies that would be required. The project would create approximately five permanent operating positions.

8. How will the project affect the natural beauty of the river?

It is anticipated that the project will have minimal effects on the aesthetics of the surrounding area. The turbines will be placed on the existing dam structure and other facilities will be placed on a 100-by-150-foot area adjacent to the dam. The new structures will be designed to blend with the existing lock and dam facility.