The project will restore natural stream function, improve water quality of Addison Creek and provide a flood control benefit to the area. The 100 year base flood elevation (BFE) will be reduced by up to 3' at several locations within the project area.

Given the project's location in a highly urbanized area, existing conditions contribute to water quality impairments. The segments of Addison Creek affected by this project have been assessed for not supporting aquatic life, primary contact and aesthetic quality. Water quality impairments for Addison Creek include phosphorous, total suspended solids, dissolved oxygen and other nutrients and contaminants entering the creek with storm water runoff as non-point source pollutants.

The proposed improvements will create diverse flood plain emergent wetlands and bordering native prairie buffers, re-establish naturalized stream morphology and help restore water quality by reducing pollutant loads. The project is located along Addison Creek between Palmer Avenue and Country Club/Wolf Road. The Metropolitan Water Reclamation District of Great Chicago is providing $1,000,000.00 towards the cost of construction and the Addison Creek River Conservancy District is contributing an additional $1,000,000.00.

The proposed improvements, which include removal of the dams, will improve oxygen levels in the creek. Removal of the dams and re-meandering of the stream will also support natural stream process and reduce algae.

The new wetlands will also be key to improving water quality. According to the EPA Region 5 Wetlands Supplement, "wetlands help to remove, retain, or transform pollutants and sediments from non-point sources by acting as natural filters, resulting in discharges of high quality water downstream" and "help improve water quality by removing numerous types of pollutants or parameters, including nutrient, biochemical oxygen demand, suspended solids, metals and pathogens" (EPA Region 5 Wetlands Supplement, February 2013). The wetlands will support additional filtration of contaminants entering the Creek with storm water runoff. The completed project will enhance the overall quality of Centerpoint Preserve.