

Climate Change Adaptation of Urban Stormwater Infrastructure

Knowledge Building Number: KB-19-01-2

Principal Investigator: John Gulliver, University of Minnesota

Project Champion: Stephanie Johnson, City of Minneapolis

This project will transfer coupled-climate model projections to stormwater infrastructure, in a form understandable to planners, resource managers and decision-makers. The study will model capacities required for the infrastructure to convey peak flows from projected mid-21st century climate changed precipitation and population growth, and the potential for green stormwater infrastructure methods to provide more economical and effective management of peak flows than drainage system upsizing.