

Central and South Florida (C&SF) Flood Resiliency Study Performance Metrics Workshop
 Thursday, March 7 and Friday 8, 2024

The study objective is to:

*“Enhance existing C&SF water control system and salinity control structure’s functionality and capacity to **improve flood risk management (FRM) and resiliency** which has been degraded by inland inundation and changed conditions within southern Palm Beach, Broward and Miami Dade Counties over the **50-year period of analysis from 2035-2085.**”*

Instructions:

A list of draft performance metrics (PM) for Regional Economic Development (RED), Environmental Quality (EQ) and Other Social Effects (OSE) accounts is attached. Fill up this form for each performance metric.

USACE Account (RED, EQ, OSE)	
PM_	

Item	Input
Relationship of Metric to the Study Objective	
Metric use in Planning Can metric be used to distinguish between alternatives or just register Future without Project (FWOP) and Recommended Plan Impacts?	
Data availability Is there available data to quantify or qualitatively develop the metric? Please list some data suggestions and specify data sources, for the best of your knowledge.	
Level of Effort to Measure (None, Low, Medium, High)	
Value Added to Decision Making (None, Low, Medium, High, Critical) Why?	

Central and South Florida (C&SF) Flood Resiliency Study Performance Metrics Workshop
Thursday, March 7 and Friday 8, 2024

Regional Economic Development (RED)

Draft performance Metrics (PM)

PM_1	Loss of income
Description	Business disruptions due to flooding and flooding duration cause inability to people to go to work

PM_2	Business revenue
Description	Monetary losses to business due to disruptions cause by flooding

PM_3	Tax revenue
Description	Counties monetary losses due to business disruptions cause by flooding

PM_7	Construction Expenditure Impacts
Description	Construction expenditure generates income to the owners of the goods and services hired to construct the project

PM_2	Recreational Activities
Recreational Activities	Disruption in access to, or availability of, recreational activities cause by flooding

Central and South Florida (C&SF) Flood Resiliency Study Performance Metrics Workshop
Thursday, March 7 and Friday 8, 2024

Environmental Quality (EQ)

Draft performance Metrics (PM)

PM_1	Environmental Resource Loss
Description	Natural areas become permanent inundated due to sea level changes and/or groundwater

PM_2	Impact to water supply
Description	Salinity intrusion impact to water supply*

PM_3	Flooding Septic Tanks
Description	Septic tanks impacted due to increase in groundwater levels and/or flooding

PM_4	Wildlife Mobility
Description	Relocation of structures likely to cause a wildlife mobility restriction

PM_6	Impacts to municipal/Commercial waste field systems
Description	Impact to municipal/Commercial waste field systems due to flooding

PM_7	Impact to industrial facilities
Recreational Activities	Impact to industrial facilities due to flooding

*Open to discussion

Central and South Florida (C&SF) Flood Resiliency Study Performance Metrics Workshop
Thursday, March 7 and Friday 8, 2024

Other Social Effects (OSE)

Draft performance Metrics (PM)

PM_2	Physical Health
Description	Flooding impact to roads limit the access to health care facilities

PM_3	Community Identity
Description	Flooding impact to community and/or historic resources

PM_5	Life Safety
Description	Risk to human life due to flooding

PM_6	Cultural Resources
Description	Flooding impact to cultural resources