

# Appendix 1

## CPRG – Clinton River WRRF Digestion Optimization Project Budget Narrative

The County intends to contract for the design and construction of the proposed facilities using a traditional design, bid, build approach. As indicated in the Work Plan, the design of the facilities is expected to take approximately one year and the construction about 2 years. The County's purchasing department and the WRC have well established procedures for monitoring and managing contractors to help ensure that the proposed facilities are designed and constructed in a timely and cost-effective manner in accordance with this proposed project budget and schedule.

The **Consolidated Budget Table** (included in the CPRG-provided documents) is presented below.

### Consolidated Budget Table for Clinton River WRRF Digester Optimizaton Project

BUDGET BY YEAR							
COST-TYPE	CATEGORY	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	TOTAL
Direct Costs	TOTAL PERSONNEL	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL FRINGE BENEFITS	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL TRAVEL	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL EQUIPMENT	\$0	\$6,800,000	\$6,800,000	\$0	\$0	\$13,600,000
	TOTAL SUPPLIES	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL CONTRACTUAL	\$3,100,000	\$12,000,000	\$12,000,000	\$0	\$0	\$27,100,000
	TOTAL OTHER	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL DIRECT	\$3,100,000	\$18,800,000	\$18,800,000	\$0	\$0	\$40,700,000
	TOTAL INDIRECT	\$0	\$0	\$0	\$0	\$0	0
TOTAL FUNDING		\$3,100,000	\$18,800,000	\$18,800,000	\$0	\$0	\$40,700,000

BUDGET BY PROJECT			
Project Number	Project Name	Total Cost	% of Total
1	Food Waste Diversion and More Local FOG Processing	\$33,700,000	83%
2	Disgester Optimization	\$7,000,000	17%
3	Name 3	\$0	0%
4	Name 4	\$0	0%
5	Name 5	\$0	0%
Total		\$40,700,000	100%

The **Detailed Budget for the Food Waste Diversion and Local FOG Processing and Digester Optimization** (also included in the CPRG-provided documents) is presented on the next page. General notes about the costs presented in this table.

- Engineering includes design (first year) and construction assistance (second and third year).
- Construction of the project would be performed in the second and third year.
- Construction costs are broken down by Equipment and Contractual.
- Costs are based on the report entitled "Clinton River WRRF C. Bescii Hydrolysis Process Basis of Design Report" prepared by Jacobs in August 2021.
- Costs have been increased to reflect current market conditions and the anticipated start of the project in about one year from the acceptance of this grant application.
- For the Contractual cost items, the following factors were used in developing the costs

<b>Indirect Construction and Non-Construction Cost Factors</b>	
<b>Contractor Markups and Contingency</b>	
Contractor General Conditions, Overhead & Profit	25%
Contingency	30%
<b>Non-Construction Costs</b>	
Engineering, Legal and Administration	30%

## Detailed Budget Table for Food Waste Diversion and More Local FOG Processing

This Excel Workbook is provided to aid applicants in developing the required budget table(s) within the budget narrative.

BUDGET BY YEAR							
COST-TYPE	CATEGORY	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	TOTAL
Direct Cost	Personnel						
							\$0
							\$0
	TOTAL PERSONNEL	\$0	\$0	\$0	\$0	\$0	\$0
	Fringe Benefits						
							\$0
							\$0
	TOTAL FRINGE BENEFITS	\$0	\$0	\$0	\$0	\$0	\$0
	Travel						
							\$0
							\$0
	TOTAL TRAVEL	\$0	\$0	\$0	\$0	\$0	\$0
	Equipment						
	Processing Equipment		\$2,500,000	\$2,500,000			\$5,000,000
							\$0
	TOTAL EQUIPMENT	\$0	\$2,500,000	\$2,500,000	\$0	\$0	\$5,000,000
	Supplies						
							\$0
							\$0
	TOTAL SUPPLIES	\$0	\$0	\$0	\$0	\$0	\$0
	Contractual						
	Contractor General Conditions and Overhead and Profit		\$750,000	\$750,000			\$1,500,000
	Design	\$500,000					\$500,000
							\$0
	TOTAL CONTRACTUAL	\$500,000	\$750,000	\$750,000	\$0	\$0	\$2,000,000
	OTHER						
							\$0
							\$0
	TOTAL OTHER	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL DIRECT	\$500,000	\$3,250,000	\$3,250,000	\$0	\$0	\$7,000,000
Indirect Cost	Indirect Costs						
							\$0
							\$0
	TOTAL INDIRECT	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL FUNDING		\$500,000	\$3,250,000	\$3,250,000	\$0	\$0	\$7,000,000

## Detailed Budget Table for WRRF Digester Optimization

BUDGET BY YEAR							
COST-TYPE	CATEGORY	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	TOTAL
Direct Costs	Personnel						
							\$0
							\$0
	TOTAL PERSONNEL	\$0	\$0	\$0	\$0	\$0	\$0
	Fringe Benefits						
							\$0
							\$0
	TOTAL FRINGE BENEFITS	\$0	\$0	\$0	\$0	\$0	\$0
	Travel						
	TOTAL TRAVEL	\$0	\$0	\$0	\$0	\$0	#REF!
	Equipment						
	MHP Tanks (Two @ 120,000 gal)		\$2,100,000	\$2,100,000			\$4,200,000
	MHP Tanks Base		\$300,000	\$300,000			\$600,000
	Mixing for MHP Tanks		\$600,000	\$600,000			\$1,200,000
	Sludge Pumping and heat		\$500,000	\$500,000			\$1,000,000
	Process Piping		\$300,000	\$300,000			\$600,000
	Buried Piping		\$500,000	\$500,000			\$1,000,000
	TOTAL EQUIPMENT	\$0	\$4,300,000	\$4,300,000	\$0	\$0	\$8,600,000
	Supplies - Included in Equipment						
	TOTAL SUPPLIES	\$0	\$0	\$0	\$0	\$0	\$0
	Contractual						
	Building for Process Equipment and Electrical		\$750,000	\$750,000			\$1,500,000
	Electrical (Building, MCCs, wiring)		\$2,250,000	\$2,250,000			\$4,500,000
	Instrumentation and Control		\$1,050,000	\$1,050,000			\$2,100,000
	Contractor General Conditions, Overhead and Profit		\$2,100,000	\$2,100,000			\$4,200,000
	Contingency		\$2,500,000	\$2,500,000			\$5,000,000
	Engineering, Legal, and Admin	\$2,600,000	\$2,600,000	\$2,600,000			\$7,800,000
							\$0
							\$0
	TOTAL CONTRACTUAL	\$2,600,000	\$11,250,000	\$11,250,000	\$0	\$0	\$25,100,000
	OTHER						
							\$0
	TOTAL OTHER	\$0	\$0	\$0	\$0	\$0	\$0
	TOTAL DIRECT	\$2,600,000	\$15,550,000	\$15,550,000	\$0	\$0	\$33,700,000
Indirect Costs	Indirect Costs						
							\$0
							\$0
	TOTAL INDIRECT	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL FUNDING		\$2,600,000	\$15,550,000	\$15,550,000	\$0	\$0	\$33,700,000