



Legislation Details (With Text)

File #: 22-5600 **Version:** 1 **Name:**
Type: Investment Memo **Status:** Passed
File created: 9/6/2022 **In control:** Commissioners Court
On agenda: 9/27/2022 **Final action:** 9/27/2022
Title: Request for approval of the Final Investment Memo for the Pollution Control Services (PCS) Equipment Replacement and Additions (continuous) project for an additional incremental authorization of \$274,335 for a total FY 2023 authorization of \$650,100.

Sponsors:

Indexes:

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
9/27/2022	1	Commissioners Court		

Department: Pollution Control Services

Department Head: Dr. Latrice Babin

Regular or Supplemental RCA: Regular RCA

Type of Request: Investment Memo

Investment Memo Type: Final Investment Memo

Project Name: Pollution Control Services (PCS) Equipment Replacement and Additions

Project ID (if applicable): N2002

Vendor Legal Name (if applicable): N/A

MWDBE Participation (if applicable): N/A

MWDBE Current Achievement (if applicable):

Justification for 0% MWDBE Participation Goal: N/A - Goal not applicable to request

Managing Entity: Pollution Control

Incremental Authorization Requested: \$274,335

Total Estimated Project Cost: \$2,374,100 (FY23-FY27)

Request Summary:

Request for approval of the Final Investment Memo for the Pollution Control Services (PCS) Equipment Replacement and Additions (continuous) project for an additional incremental authorization of \$274,335

for a total FY 2023 authorization of \$650,100.

Project Description:

Procure specialized up-to-date field monitoring equipment, expand laboratory testing capacity, and build redundancy to ensure service continuity. The project procures specialized analytical equipment that will be able to perform new required tests, such as monitoring equipment for both air quality and water quality programs. As noted above, the court is only asked to approve FY2023 funding.

Project Scope:

To ensure continuity, PCS presented a plan for five years' funding to replace equipment that had reached the end of its warranty, was deteriorating, and was no longer usable such as specialized data loggers, cameras, and canisters. **This equipment will expand and fortify the lab, update the existing air monitoring network, and provide new equipment for the emergency response and field teams.**

The below tables show the status of requests for the first and second years of the five-year plan.

Table 1. Equipment purchases completed in SFY2022

Division	Equipment Name	Equipment Description	Cost (\$)
Air Monitoring	Data Logger	A low-powered device that measures sensors drives direct communication and telecommunications, analyzes data, controls external devices, and stores data and programs in onboard, nonvolatile storage.	\$20,753.92
Air Monitoring	SPOD's	Solar-powered sensor system that combines wind and air pollutant concentration measurements to detect Volatile Organic Compounds (VOC) emission plumes and help locate the source of emissions.	\$20,476.02
Air Monitoring	Summa Canisters	Air sampling Canisters	\$18,057.20
Air Monitoring	Camera	Camera for River Terrace Park	\$6,925.40
		Total	\$66,212.54

Table 2. Requested purchases for FY2023

Division	Equipment Name	Equipment Description	Cost (\$)
Lab	GC/MS	Preconcentrator for backup TO-15 analysis will ensure air monitoring capabilities	\$250,000.00
Air Monitoring	Generator and new A/C unit	Equipment for RAAM	\$10,000.00
Emergency Response	HazMat ID Elite	Hand-held solid and liquid chemical identifier	\$150,000.00

Lab	Vertical Stacked Washer	Cleaner for glassware used for analysis	\$21,000.00
Lab	Extraction equipment for VOC	Equipment used to analyze samples on LC/MS/MS	\$50,000.00
Lab	BOD Autosampler	An autosampler is more efficient than manual analysis of samples	\$50,000.00
Lab	Mercury Analyzer	Monitoring of industrial outfall permit levels and Houston Ship Channel	\$60,000.00
		Total	\$591,000.00

Justification:

This project ensures that PCS staff have up-to-date equipment and can expand capabilities in protecting the environment and communities throughout Harris County. The Air Monitoring Section and Laboratory Services sections continuously use this equipment to perform air monitoring services and process samples, respectively, including air, water, solid waste, and unknown samples related to routine monitoring and investigative cases. It is necessary to replace the equipment when it is no longer covered by a maintenance contract and cannot be sufficiently maintained or properly calibrated to ensure optimal efficiency and defensible data.

Alternatives and Engagement:

Due to the existing equipment's age, condition, and use, Pollution Control will continue to have equipment requirements. The requested equipment is specialized analytical equipment unique to conducting air monitoring services and sample analysis, including air, water, solid waste, and unknown samples related to routine monitoring and investigative cases. If the request is not funded, PCS cannot perform proper air monitoring services, and laboratory services will be outsourced. It is most efficient for laboratory services to be conducted in-house for continuity of process and the ability to defend data in enforcement cases.

Anticipated Project Expenditures and Timeline:

Scope of Work	Estimated Cost	Estimated Completion
Air Monitoring RAAM Equipment	\$10,000	1 st Quarter FY23
Vertical Stacked Washer	\$21,000	1 st Quarter FY23
Extraction Equipment	\$50,000	1 st Quarter FY23
BOD Autosampler	\$50,000	2 nd Quarter FY23
Mercury Analyzer	\$60,000	3 rd Quarter FY23
HazMat ID Elite	\$150,000	2 nd Quarter FY23
Preconcentrator for backup TO-15 analysis	\$250,000	
FY23 Total Authorization	\$591,000	
Contingency 10%	\$650,100	
Current Available Budget	(375,768)	
FY23 Additional Allocation	\$274,335	

Alignment with Goal(s):

- ☐ Justice and Safety
☐ Economic Opportunity
☐ Housing
☐ Public Health
☐ Transportation
☐ Flooding
☒ Environment
☒ Governance and Customer Service

Previous Court Action:

Date	Agenda Item #	Action Taken
9/10/2019	212	Project Authorization
12/3/2019	4d3	CP Funding Allocated
1/28/2020	4h2	CP Funding Allocated
3/9/2021	21-718	Project Authorization
3/30/2021	21-1009	CP Funding Allocated
5/11/20201	21-2180	Project Authorization
5/25/2021	21-2414	CP Funding Allocated
8/10/2021	21-3789	CP Funding Allocated
9/28/2021	21-5000	CP Funding Allocated
12/14/2021	21-6707	CP Funding Allocated
1/4/2022	22-0061	Bid Awarded
1/25/2022	22-0647	CP Funding Allocated

Address: 101 South Richey Suite H Pasadena, TX 77506**Precinct(s):** Countywide

Fiscal and Personnel Summary			
Service Name			
	SFY 22	FY 23	Next 3 FYs
Incremental Expenditures (do NOT write values in thousands or millions)			
Labor Expenditures	\$	\$	\$
Non-Labor Expenditures	\$	\$	\$
Total Incremental Expenditures	\$	\$	\$
Funding Sources (do NOT write values in thousands or millions)			
Existing Budget			
Choose an item.	\$	\$	\$
Choose an item.	\$	\$	\$

Choose an item.	\$	\$	\$
Total Current Budget	\$	\$	\$
Additional Budget Requested			
Commercial Paper	\$	\$	\$
Choose an item.	\$	\$	\$
Choose an item.	\$	\$	\$
Total Additional Budget Requested	\$	\$	\$
Total Funding Sources	\$	\$	\$
Personnel (Fill out section only if requesting new PCNs)			
Current Position Count for Service	-	-	-
Additional Positions Requested	-	-	-
Total Personnel	-	-	-

Anticipated Court Date: 9/27/2022

Anticipated Implementation Date (if different from Court date): 10/1/2022

Department Approval by: Dr. Latrice Babin Executive Director 9/6/2022

OMB CIP Team Approval by: Amiel Chen, CIP Manager, 9/1/2022

Commercial Paper Request (For OMB use only):

Receiving Department: N/A

Project PeopleSoft ID: N/A

CP Series Description: N/A

HB 1869 compliance confirmed by: N/A

OMB Financial Management contact: N/A