



WATER QUALITY MANAGEMENT FEE INCENTIVE GRANT PROGRAM

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Environmental Quality & Public Works Committee

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AGENDA

- Brief Background
- Funding Categories and Goals
- Staff Goals
- Discussion





BACKGROUND

April 2009 Task Force Report to Council

- Provided recommendations for the fee that became Code of Ordinance Article XIV.
- One task force recommendation was creation of the incentive grant program.
 - Fund at approximately \$1,200,000 per year for grants to fund **water quality oriented education programs, water quality projects and flood mitigation projects.**
 - Allocate incentives grants among residential (\$200,000) and non-residential (\$1,000,000) properties.





GRANT FUNDING SNAPSHOT 16 YEARS LATER

YEAR	ALLOCATION
2009	\$1,200,000
FY25	\$1,615,000

Section 16-410(8) requires 10% of total annual revenue to be allocated to the program.





CURRENT INCENTIVE GRANT FUNDING STRUCTURE

Funding Description:	1 Class A Neighborhood	2 Class B Education (BE)	3 Class B Infrastructure (BI)	4 Change Order (CO)	5 Innovative & Experimentation (I & E)
Percentage of Annual Funding Allocated:	17.0%	6.0%	77.0%	Capped at 10% of the annual fiscal year's budget	<i>*Fund Receives no annual allocations</i>
Cost Share:	20.0%	20.0% beyond the first \$3,000	20.0%	20.0%	20.0%
Max Award:	\$120,000.00	\$40,000	\$360,000.00	Total Award including CO shall not exceed the maximum amount in columns 1-3	I&E awards are not to exceed the maximum for grant type





Class A Neighborhood Scoring Sheet



RANKING CRITERIA		Point Range	Score
1. PROJECT IMPACT (Up to 70 points total)			
Does the project:			
1a)	Install a feature that serves to improve water quality? If so, what is the size of the proposed BMP, project area AND/OR tree canopy where the improvements will occur? (i.e., SF, LF, Gal) Note: The tree canopy is calculated using Article 26-5(6)(e)2 of the LFUCG Zoning Ordinance with categories of trees found in Section VII of the LFUCG Planting Manual.	Circle one: 15 10 5 0	
1b)	Involve citizens in activities that improve water quality, reduce water pollution, etc., (i.e., plantings, installation of stormwater control devices, stream cleanups)?	0 to 5 points:	
1c)	Educate citizens about water quality and stormwater related issues?	0 to 5 points:	
1d)	Install a feature that serves to reduce stormwater runoff? If so, what is the drainage area to be treated by the project BMP(s) AND/OR the proposed tree canopy area - not including (1a)? i. > 20,000 SF ii. 5,001 to 20,000 SF iii. < 5,000 SF iv. 0	Circle one: 15 10 5 0	
1e)	Address a known flooding, infrastructure, or water quality problem?	0 to 10 points:	
1f)	Produce a long-term, sustainable benefit?	0 to 5 points:	
1g)	Involve installation of a water quality BMP that addresses E. Coli pollution? i. Detention Basin, Wetland Basin, Bioretention, Retention Pond, or Media Filter ii. Subsurface Flow Wetlands, Permeable Pavement, or Engineered Media for Biofilters iii. Other (provide supporting data)	Circle one: 5 4 3	
1h)	Fulfill one or more of the proposed BMPs of an approved Watershed Management Plan?	If YES: 5 points:	
1i)	Involve restoration / maintenance of an impaired stream segment?	If YES: 5 points:	
TOTALS:			0
2. PROJECT TEAM (Up to 20 points total)			
2a)	Project participants are clearly identified and committed?	0 to 5 points:	
2b)	Project elements are well defined and feasible for the project team?	0 to 5 points:	
2c)	Plan is in place for future use/maintenance of the project elements?	0 to 5 points:	
2d)	Has applicant received a Stormwater Quality Projects Incentive Grant award in the past?	If NO: 5 points:	
TOTALS:			0
3. COST EFFICIENCY (Up to 10 points total)			
3a)	Budget project elements are specific, justified, and reasonable?	0 to 10 points:	
TOTALS:			0



Class A Neighborhood Scoring Sheet

Points of Emphasis

Footprint of
improvement/contributing
drainage area.

Level of grantee
involvement/commitment.

Cost effectiveness.





Class B Education Scoring Sheet



RANKING CRITERIA		Circle all that apply	Score
1. PROJECT IMPACT (45% weight factor)			
Does the project involve:			
1a) an educational component? (e.g., audience is taught about water quality issues etc.)		0 to 30 points:	
1b) citizens actively participating in tasks that improve water quality, reduce water pollution, etc. (i.e., plantings, installation of stormwater control devices, stream cleanups?)		0 to 30 points:	
1c) both educational and public involvement components?	If YES - circle all three: 1a), 1b), 1c)	10 points:	
1d) Is the project tied to a water quantity BMP project?	If YES:	10 points:	
1e) Is the project tied to a water quality BMP project?	If YES:	10 points:	
1f) Is the project tied to a water quality BMP that reduces <i>E. coli</i> pollution?	If YES:	5 points:	
1g) Does the project fulfill one or more of the proposed BMPs of an approved Watershed Management Plan?	If YES:	5 points:	
1h) Does the project involve educational programming about impaired stream segments?	If YES:	5 points:	
		TOTAL CATEGORY 1:	100
			0
2. TARGET AUDIENCE (20% weight factor)			
2a) Does the applicant have a well-defined target audience?		0 to 20 points:	
2b) What is the size of the target audience?			
i. > 5,000 people	Circle one:	45	
ii. 1,001 to 5,000 people		40	
iii. 501 to 1,000 people		35	
v. < 500 people		30	
2c) Does the applicant demonstrate a need for the program?		0 to 10 points:	
2d) Does the applicant link the program target audience to the proposed subject material?		0 to 25 points:	
		TOTAL CATEGORY 2:	100
			0
3. PROJECT SUCCESS MEASURES (10% weight factor)			
3a) Does the applicant demonstrate readiness and ability to create and implement the program?		0 to 25 points:	
3b) Does the applicant demonstrate readiness and ability to fund the cost sharing portion of the program?		0 to 25 points:	
3c) Does the applicant provide appropriate and quantifiable program success measures?		0 to 10 points:	
3d) Does the program result in a permanent improvement in the stormwater conveyance system and/or water quality (e.g., storm drain markers, stream cleaned, pollutant source removed, etc.)?		0 to 40 points:	
		TOTAL CATEGORY 3:	100
			0
4. PROJECT SUSTAINABILITY (15% weight factor)			
4a) Does the program contain a long-term component for ongoing education?		0 to 40 points:	
4b) Does the applicant have dedicated personnel available to implement the program on a long-term basis?		0 to 30 points:	
4c) Does the applicant document an ongoing source of funding for future program use? (beyond the grant end)		0 to 30 points:	
		TOTAL CATEGORY 4:	100
			0
5. COST EFFICIENCY (10% weight factor)			
5a) Budget project elements are specific, justified, and reasonable?		0 to 100 points:	
		TOTAL CATEGORY 5:	100
			0



Class B Education Scoring Sheet

Points of Emphasis

Messaging connectivity with
implementation of a BMP project.

Size/composition of target audience.

Long term viability of investment.





Class B Infrastructure Scoring Sheet



RANKING CRITERIA		Circle all that apply	Score
1. PROJECT IMPACT (45% weight factor)			
1a) Is the project located on a:			
i. Developed Class B parcel	Circle one:	15	
ii. Undeveloped Class B parcel		5	
1b) Will proposed improvements address a documented building or road flooding problem?		0 to 5 points:	
1c) Is the project site an LFUCG-designated high-risk commercial or industrial facility and address POCs?		0 to 15 points:	
1d) The impervious area (in square feet) to be removed, or retrofitted with a pervious surface AND/OR the proposed tree canopy area (in square feet) to be added multiplied by 1.5 (tree canopy is calculated using Article 26-5(6)(e)2 of the LFUCG Zoning Ordinance with categories of trees found in Section VII of the LFUCG Planting Manual):			
i. > 15,000 SF	Circle one:	15	
ii. 5,001 to 15,000 SF		10	
iii. < 5,000 SF		5	
iv. 0 SF		0	
1e) The drainage area to be treated by the project BMP(s) AND/OR the proposed tree canopy area - not including (1d):			
i. > 40,000 SF	Circle one:	15	
ii. 10,001 to 40,000 SF		10	
iii. < 10,000 SF		5	
iv. 0 SF		0	
Does the project involve:			
1f) installation of a water quality BMP in accordance with LFUCG design standards?		0 to 5 points:	
1g) installation of a water quality BMP that address and pollution?			
i. Detention Basin, Wetland Basin, Bioretention, Retention Pond, or Media Filter	Circle one:	5	
ii. Subsurface Flow Wetlands, Permeable Pavement, or Engineered Media for Biofilters		4	
iii. Other (provide supporting data)		3	
1h) installation of a water quantity BMP in accordance with LFUCG design standards?		0 to 5 points:	
1i) installation of one or more proposed BMPs from an approved Watershed Management Plan?		If YES: 5 points:	
1j) restoration / maintenance of an impaired stream segment?		If YES: 5 points:	
TOTAL CATEGORY 1:			0
2. PROJECT IMPLEMENTATION (10% weight factor)			
2a) Does the applicant provide adequate documentation that the proposed BMP is appropriate for the future site?		0 to 30 points:	
2b) Does the applicant provide documentation detailing how the proposed project will exceed the regulatory items requirements?		0 to 20 points:	
2c) Does the project team demonstrate readiness and ability to implement (i.e., feasibility, design, permit, construct) the proposed project / improvements?		0 to 20 points:	
2d) Has applicant received a Stormwater Quality Projects Incentive Grant award in the past?		If NO: 0 points:	
TOTAL CATEGORY 2:			0
3. EDUCATION (15% weight factor)			
3a) Will the project be used for future educational opportunities for personnel or the public?		0 to 10 points:	
3b) Is the project tied to a specific water quality / stormwater educational program and/or curriculum?		0 to 10 points:	
TOTAL CATEGORY 3:			0
4. PROJECT SUSTAINABILITY (20% weight factor)			
4a) Does the applicant demonstrate readiness and ability to develop and/or follow an industry standard Inspection, Operation, & Maintenance Plan once construction is completed?		0 to 25 points:	
4b) Does the applicant and/or owner have dedicated staff / contractor(s) available to perform future maintenance?		0 to 25 points:	
4c) Does the applicant document an ongoing source of funding for future maintenance?		0 to 25 points:	
4d) Does the applicant's plan allow for reasonable access to the BMP(s) for maintenance and monitoring?		0 to 25 points:	
TOTAL CATEGORY 4:			0
5. COST EFFICIENCY (10% weight factor)			
5a) Budget project elements are specific, justified, and reasonable?		0 to 10 points:	
TOTAL CATEGORY 5:			0



Class B Infrastructure Scoring Sheet

Points of Emphasis

Footprint of improvement/
contributing drainage area.

Parcel classification.

Post construction educational
opportunities.

Level of grantee
involvement/commitment.

Cost effectiveness.





Challenges

• Grant Cancellations

	Percentage Canceled of Awarded Amount														
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Class A Neighborhood	0%	0%	0%	38%	0%	35%	0%	0%	60%	0%	0%	3%	0%	3%	0%
Class B Education	0%	6%	0%	0%	4%	24%	0%	5%	0%	6%	0%	0%	0%	0%	0%
Class B Infrastructure	0%	0%	18%	0%	86%	0%	0%	55%	57%	10%	11%	22%	23%	0%	0%

	Grant Amount Award	Canceled Amount	Percentage Cancelled
Class A Neighborhood	\$3,638,636.48	\$ 219,690.00	6%
Class B Education	\$1,365,815.01	\$ 23,687.20	2%
Class B Infrastructure	\$14,621,365.60	\$ 2,348,986.98	16%

- Cost
- Leadership changes with different priorities
- Organization moved and grant was tied to the property
- Lack of experience with the construction industry





Opportunities

- Incentivize New Applicants
- Prioritize water quality enhancement and water quantity reduction
 - Not funding improvements unrelated to water quality/quantity
 - Not funding new impervious areas adjacent to a BMP
 - Prohibiting pond armoring without water quality enhancement
 - Incentivizing education, maintenance or restoration of impaired stream segments per the Division of Water's Integrated Report
 - Prioritizing projects that effectively treat E. Coli
- Included Research and Monitoring component to quantify BMP effectiveness and further research alternatives to LFUCG BMPs





Direction

- Results driven implementation
 - Conclusion of the Watershed Focused Monitoring Plan enables future targeting of prioritized areas of Fayette County
 - Supports MS4 permit requirements to reduce pollutants from entering our waterways
- Begin quantifying effectiveness of local BMP installations
 - Determine which BMPs are performing well
 - Adjust where performance standards are not being met





Discussion

