

BOARD OF COUNTY COMMISSIONERS

DATE: October 7, 2014
AGENDA ITEM NO. 20

Consent Agenda ☐

Regular Agenda ☒

Public Hearing ☐

County Administrator's Signature:

Subject:

Revised Mitigation Credit Policy for the FY15 Annual Surface Water Rate Resolution

Department:

Public Works

Staff Member Responsible:

Richard Coates, P.E., Director

Recommended Action:

I RECOMMEND THE BOARD OF COUNTY COMMISSIONERS (BOARD) ADOPT THE ATTACHED RESOLUTION AMENDING THE FY15 ANNUAL SURFACE WATER RATE RESOLUTION WITH A REVISED MITIGATION CREDIT POLICY.

Summary Explanation/Background:

Annually, the Surface Water Service Assessment is brought in front of the Board for adoption. The Annual Surface Water Rate Resolution for FY15 was adopted on September 11, 2014 with the directive that County staff explore revising the Mitigation Credit Policy (Policy) incorporated into the resolution.

County staff revised the policy with feedback from local stakeholders. First, the Policy document language is clarified. For example, the Policy now specifies that credit may be received for stormwater management facilities that *retain or detain* stormwater. A table correlating available credits with storm event volume retention/detention has also been included.

Second, a fifth eligibility criterion has been added to the Policy: Parcels Discharging to Tidal Waters. This criterion credits parcels that bypass the County's stormwater management system by discharging directly into tidal waters.

Third, the credit application period for the 2014 Tax Roll has been reopened from October 1, 2014 until December 31, 2014. For the 2015 Tax Year, applications will be processed from January 1, 2015 to April 1, 2015. For future fiscal years, the application period will be open from October 1 until April 1. Applications submitted outside this timeframe will be kept on file for the next eligible tax year. For example, if an application is received on July 1, 2015, County staff will review it for the November 2016 Tax Roll.

County staff recognizes that further revisions to the Policy may be necessary. In accordance with the Board's directive at the September 23, 2014 meeting, County staff will continue to explore additional revisions with local stakeholders.

Fiscal Impact/Cost/Revenue Summary:

It is uncertain how reopening the mitigation application period from October 1, 2014 until December 31, 2014 will affect projected revenue for FY15. The impact is contingent upon the number of new applications submitted and approved. Thus far, roughly \$20,000 per year has been awarded in mitigation credits.

Exhibits/Attachments Attached:

Revised Mitigation Credit Policy for the FY15 Annual Surface Water Rate Resolution

RESOLUTION NO. 14-__

**A RESOLUTION OF PINELLAS COUNTY, FLORIDA, RELATING TO
THE PROVISION OF SURFACE WATER MANAGEMENT SERVICES;
AMENDING THE ANNUAL SURFACE WATER RATE RESOLUTION
WITH A REVISED MITIGATION CREDIT POLICY; AND PROVIDING
AN EFFECTIVE DATE.**

WHEREAS, at a public hearing on September 11, 2014, the Board of County Commissioners adopted the Annual Surface Water Rate Resolution with the directive that County staff explore revising the Mitigation Credit Policy incorporated into the Annual Surface Water Rate Resolution; and

WHEREAS, at a regular public meeting on September 23, 2014, the Board of County Commissioners heard County staff's proposed revisions to the Mitigation Credit Policy, which include, but are not limited to, the following:

1. Reopens and extends the mitigation credit application period;
2. Provides additional mitigation credit eligibility criteria;
3. Provides clarifying language regarding availability of mitigation credits; and

WHEREAS, the proposed revisions to the Mitigation Credit Policy provide increased public accessibility to mitigation credits and further the purpose of the County's Surface Water Service Assessment.

NOW THEREFORE BE IT RESOLVED by The Board of County Commissioners of Pinellas County that:

SECTION 1. The Mitigation Credit Policy attached as Appendix C to the Annual Surface Water Rate Resolution adopted September 11, 2014, is hereby repealed and replaced with the Revised Mitigation Credit Policy attached hereto.

SECTION 2. EFFECTIVE DATE. This Resolution shall become effective upon adoption by the Board of County Commissioners.

In a regular meeting duly assembled on the ____ day of _____, 2014, Commissioner _____ offered the foregoing Resolution and moved its adoption, which was seconded by Commissioner _____ and upon roll call the vote was:

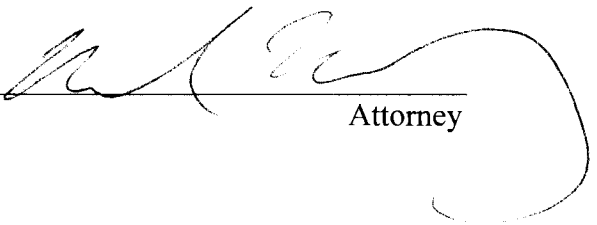
AYES:

NAYS:

ABSENT AND NOT VOTING:

APPROVED AS TO FORM
OFFICE OF COUNTY ATTORNEY

By



Attorney

**PINELLAS COUNTY
SURFACE WATER UTILITY
ADJUSTMENTS AND MITIGATION CREDITS
POLICIES AND PROCEDURES MANUAL**



**Department of Environment and Infrastructure
Transportation & Stormwater Division
Natural Resources Section**

September 2014

Introduction

The purpose of this Manual is to describe the policies set forth by Pinellas County concerning Surface Water Assessment Adjustments and Mitigation Credits. Pinellas County established a Surface Water Utility, its Master Surface Water Utility Ordinance No. 13-14 and Rate Resolution No. 13-60, collectively referred to below as the Surface Water Utility. The Surface Water Utility allows the County to establish and collect assessments for the surface water services provided by the County, and also provides opportunities for Adjustments and Mitigation Credits. This Manual provides technical and administrative assistance in the application process.

Section 1 - Adjustments

Applications accepted 9/1 to 10/1 yearly

Impervious Area Measurement Adjustment

Adjustments may be available to Customers through the appeals process specified in Section 5.04 of the Pinellas County Master Surface Water Utility Ordinance. An Adjustment is a change to correct a parcel's impervious area square footage and the associated overcharge or undercharge of a customer's Surface Water Assessment. Adjustments are not to be confused with Credits, which are intended to reduce the Assessment by a percentage reflecting the benefit provided by the Customer to the County's efforts to operate and maintain the Stormwater Management System.

The County has applied County Property Appraiser data and GIS technology to determine the impervious area for all properties within the County Limits, using both direct measurement for non-single family residential properties and Pinellas County Property Appraiser structural elements and extra feature data for single-family residential properties. A customer may apply for an adjustment if the customer believes and can demonstrate the impervious area used for the Equivalent Residential Unit (ERU) designation on the subject property is incorrect.

Application for Adjustment

Any Customer determining that their property qualifies for an Adjustment shall submit the form in Appendix A to the Surface Water Utility Coordinator by between September 1 and October 1. As part of the submission, the Customer must provide the County with evidence or justification in writing for the correction of the Assessment in question. In some cases, the Customer may also be required to submit, at his or her expense, a survey prepared by a registered land surveyor or other information such as plans or blueprints to support the request for an Adjustment. The Surface Water Utility Coordinator will issue a written determination within 60 days of filing. The Customer is allowed 30 days from service of the written decision to file an appeal with the County Administrator or his designee.

Section 2 – Mitigation Credits

Applications accepted 10/1 to 4/1 yearly

Applicants are strongly encouraged to call Pinellas County well before the deadline at 727-464-8759 to go over the submittal requirements and timing of delivery.

The County recognizes that some developed properties subject to the Surface Water Assessment currently operate and maintain stormwater facilities that can reduce stormwater runoff impacts from the subject property to the County system. These facilities help reduce the burden on the County to manage, maintain and operate the stormwater system.

The Mitigation Credits Program is designed to achieve the following key objectives:

- Provide financial and environmental incentives to customers to implement and maintain functional stormwater management facilities; and to promote parcel characteristics that mitigate stormwater runoff to help the County meet its stormwater management goals; and
- Provide an opportunity for customers to reduce their Surface Water Assessment.

A. Mitigation Credit Rationale and Eligibility

Surface Water Assessment Mitigation Credits may be granted to parcels who meet criteria described in Mitigation Credit Eligibility below:

1. Zero discharge parcels:

The parcel does not discharge any runoff during a 100yr/24hr event to any portion of the County right-of-way, drainage system or receiving waters. Runoff from the 100yr/24hr event is totally retained within the parcel's stormwater management system. Parcels which do not discharge stormwater runoff during a 100yr/24hr storm event impose no direct stormwater maintenance burden on the County's system or receiving waters. This provides a savings to the County on the cost of maintaining the non-transportation related stormwater facilities which is estimated at 75% of the County's overall surface water management costs.

2. Non-residential parcels with a stormwater treatment facility:

The parcel has a properly permitted, maintained and functional onsite Stormwater Management System which treats and attenuates stormwater prior to discharge to the County right-of-way or stormwater system over which the County has maintenance responsibility. The parcel may receive up to a 75% mitigation credit, based on the percentage of the stormwater runoff **retained or detained** from the 100yr/24hr storm event that the parcel generates prior to discharge into a County system.

3. Special District and Association parcels which contribute to the maintenance of privately owned community stormwater management facilities:

Parcels located within a Community Development District, Civic Association (Homeowners Association or Property Owners Association), or Special District that provides maintenance to non-County owned stormwater management facilities which accept drainage from the parcel. These properties will fall into one of the two following categories:

- a. The Community does not include any County owned or maintained drainage or right-of-ways. All drainage and right-of-way facilities are privately owned and maintained. All stormwater runoff generated from the 100yr/24hr storm event is routed to the community's stormwater treatment facilities and is **retained or detained** on site. The parcel may receive up to a 75% mitigation credit, based on the percentage of the stormwater runoff retained or detained from the 100yr/24hr storm event that the parcel generates prior to discharge into a County system.
- b. The community owns and maintains private drainage, but does include County owned or maintained right-of-way and associated drainage. The parcel may receive up to a 37.5% mitigation credit (or 50% of the County's Operation and Maintenance Costs), based on the percentage of the stormwater runoff **retained or detained** from the 100yr/24hr storm event that the parcel generates prior to discharge into a County system or receiving waters.

Parcels qualifying in these two categories will be credited on a pro-rata basis on the number of parcels within the community that drain to the private stormwater management facility. The HOA may submit one common application on behalf of the residents whose properties drain to the stormwater management facility.

4. Parcels with unique features:

Parcels with unique features which lessen the impact of runoff from the parcel to the County drainage system or surface waters will be considered on a case-by-case basis.

5. Parcel Discharging to Tidal Waters:

Parcels that directly discharge to tidal waters, without first discharging into the County's system or receiving waters, shall be credited up to a maximum of 75% credit based on the water quality treatment being provided on site using the Outstanding Florida Waters (OFW) criteria. Credit in this category shall only apply to the area of the parcel not discharging into the County's MS4 or surface waters.

Condition	Mitigation Credit
1. Zero discharge from 100yr/24hr event.	75%
2. Certified private stormwater management facility	Up to 75% based on % retention/detention of 100yr/24hr storm event
3. <ul style="list-style-type: none"> a. Privately maintained community with stormwater management facility b. County maintained community with private stormwater management facility 	Up to 75% Up to 37.5% based on % retention/detention of 100yr/24hr storm event
4. Parcel with unique features	Up to 37.5%
5. Parcels discharging to tidal waters	Up to 75% based on % of treatment provided in accordance with OFW criteria

These above mitigation credits are not cumulative. Maximum Mitigation Credit will be 75%. Requests for mitigation credits with supporting documentation must be submitted to Pinellas County to obtain the credit.

It is important to note that if a property does not retain or detain the entire volume generated from the 100-year storm event, they are still eligible for a credit based on the percentage of the 100-year event that is retained or detained on site.

The table below shows the credit a parcel could receive based on the volume generated by a particular storm event that is **retained or detained** on site:

Storm Event Retained or Detained	Credit Received
2 yr-24 hr	28%
2.33 yr-24 hr	31%
5 yr-24 hr	38%
10 yr-24 hr	47%
25 yr-24 hr	56%
50 yr-24 hr	63%
100 yr-24 hr	75%

B. Mitigation Credit Application Requirements

1. Application Submittal Deadline

Applications for Mitigation Credits shall be submitted **between October 1st and April 1st**. Applications received between October 1, 2014 and December 31st, 2014 will be applied retroactively to the 2014 tax bills, and refunds will be issued as necessary. Applications received between January 1, 2015 and April 1, 2015 will be applied to the 2015 tax bills. In subsequent years, applications received will be applied to the following tax bill. For example, an application received in March 2016 will be considered for the 2016 tax roll. Any applications received outside of the approved period will be kept on file and considered in the following year's Credit Application period. Staff will still provide input on the documentation submitted as necessary, but the official review process will not begin until the start of the next application period. The Surface Water Utility Coordinator will issue a written determination within 60 days of filling a complete application, or 60 days after the beginning of the review period, whichever comes last. The Customer is allowed 30 days from service of the written decision to file an appeal with the County Administrator or his designee.

The timeline below shows the dates for submittal and processing of credit applications, beginning with the 2016 credit application period:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Credit applications Accepted												
Credits processed												
	During this period staff will be available to receive and review applications. Credits approved during this time will be applied to the upcoming tax roll. Credits are not applied retroactively.											
	During this period staff will be available to receive applications that will be held for the following tax year. Staff will provide comments back to applicants to ensure their applications are complete for upcoming processing period.											
	During this period staff will be preparing the assessment roll and ensuring the approved credits are reflected on the applicants TRIM notice.											

2. Required documentation:

- a. For categories 1-3, proper documentation that demonstrates that the site **retains or detains** the runoff generated from the parcel under the 100yr/24hr storm event must be submitted by an Engineer licensed in the state of Florida.

All required documentation must be provided by the close of the application period or it will be considered incomplete. Applicants are strongly encouraged to work with County staff and submit their documentation early. In order to adequately quantify the relief provided by the parcel's stormwater treatment facility, the following must be provided:

- Approved County Site Plan showing topographic details, overland flow paths, all stormwater facilities, and surrounding area.
- Site Survey OR Site Plan signed and sealed by a licensed surveyor or engineer asserting that the plan is reflective of current site conditions. The survey or site plan must depict storage volume and characteristics of the stormwater treatment system. Staff will be available to provide any plans or calculations that the County may have on file.
- Signed and sealed calculations accurately describing the amount of runoff generated from the site during a 100yr/24hr storm event [12"] and the amount/percentage of this volume stored in the stormwater treatment facility. Staff will provide the impervious area used to calculate the parcels ERU if requested.

- A report that clearly describes how the stormwater facility functions for storm events the facility is designed to control.
 - Maintenance records to verify the County approved maintenance plan is being followed, such as a County Maintenance Plan or SWFWMD certification documentation and maintenance requirements.
 - The list of parcels applying for a Mitigation Credit if applicable.
- b. For category 4 properties (parcels with unique features), the applicant will need to demonstrate any unique features on their property reduce the stormwater impact to the County's system or receiving water either with a licensed engineer, or provide as-built plans, surveys or other supporting documentation as determined by the County on a case-by-case basis.
- c. For category 5 properties (parcel that discharge to tidal waters), the applicant requesting credit in this category shall provide the following documentation to support their credit application:
- Site Survey OR Site Plan signed and sealed by a licensed surveyor or engineer asserting that the plan is reflective of current site conditions. The survey or site plan must depict storage volume and characteristics of the stormwater treatment system, as well as the area of the parcel directly discharging to tidal waters. This site plan shall also show any area that is discharging to the County's system or receiving waters.
 - Signed and sealed calculation describing the percentage of the water quality treatment volume provided in comparison to the water quality treatment based on OFW criteria.
 - Appropriate documentation showing the treatment volume provided in the stormwater management system on the parcel.
 - A report that clearly describes how the stormwater facility functions for storm events the facility is designed to control.
 - Maintenance records to verify the County approved maintenance plan is being followed, such as a County Maintenance Plan or SWFWMD certification documentation and

maintenance requirements.

- The list of parcels applying for a Mitigation Credit if applicable.

3. Maintenance agreement and documentation requirements for Stormwater Management Systems:

An owner of a Stormwater Management System must agree in writing to maintain the credited System to County Standards as depicted in the site's approved site plan and all other applicable standards and state law in order to be eligible for Credit. Failure to maintain a Stormwater Management System in compliance to County Standards will result in the loss of the Credit and possible surcharge to recapture improper credits. The owner of a credited Stormwater Management System is responsible for notifying the County if the system is compromised or damaged in any way or is no longer complying with state law or County Standards. The owner of a credited System must also notify the County if any repair work is performed that may alter its operation.

The owner of a credited System must comply with all applicable maintenance practices below that are relevant to the credited facility. The following list is not intended to be comprehensive. Customers are referred to the Land Development Code and those documents incorporated therein by reference for specific minimum maintenance requirements.

- Debris and Litter Removal – This activity must be performed after storm events totaling approximately two inches over a 24-hour period or as needed in order to prevent the structure from clogging and failing and to prevent a public nuisance.
- Erosion and Structural Repair – Side slopes, emergency spillways, and embankments all may periodically suffer from slumping and erosion. Regrading, revegetating, compacting and/or installing or replenishing rip-rap may be required to correct erosion problems that develop.
- Mowing – Side slopes, embankments, emergency spillways, and other grassed areas of stormwater Control Measures should be periodically mowed to prohibit woody growth and to prevent grass from growing over twelve (12) inches in height. More frequent mowing may be required in residential areas by adjacent homeowners or to meet the State of Florida standards. Native grasses, which are water-tolerant, pest-tolerant, and slow growing, are recommended.

- No Blockages - Remove sediment or any blockage from pipes, channels, spillways, inlets and outlets as needed to keep the Control Measure in proper working condition.
- Nuisance Control – Standing water or soggy conditions within a “dry” Stormwater Control Measure can create nuisance conditions for nearby residents, as defined in the Land Development Code. Common nuisance conditions may include odors, mosquitoes, litter, and weeds. Regular maintenance to remove debris and ensure control structure functionality is required to control these potential problems. In addition, well-maintained and established wetland plants in wet detention ponds or bird nesting boxes around the pond can provide a habitat for birds and predacious insects and fish that can actively serve as a natural check on nuisance insects such as mosquitoes. Cyclical alteration of the water level in the pond or installation of aeration/agitation features will also disrupt most unwanted larval growth.
- Outlet Control – Maintain outlet control devices to ensure proper functioning in the control of stormwater velocities at the outlet of the Stormwater Control Measure. Re-vegetating and/or replenishing or installing rip-rap may be required to correct erosion problems at the outlet of Stormwater Control Measure pipes.
- Removal of Log Jams and Debris - All stream and ditches within the stormwater system should be inspected periodically for blockages. If identified, the blockages and debris should be removed as quickly as practicable.
- Sediment Removal – This activity is to be performed as needed or as required by the County to ensure proper working order of the Control Measure and its related Stormwater Control Measure features (channels, pipes, etc.). Sediment removal is also required to maintain the required storage volume according to the Land Development Code and those documents incorporated therein by reference.
- Structural Repairs and Replacement – Eventually, stormwater control structures will deteriorate and must be replaced. Major structural damage to outlet structures (i.e. cracks, leaks, or failure) must be repaired as soon as possible.

4. Inspections / Right of entry

Each Customer that has applied for and received a mitigation credit for a Stormwater Management System has the private responsibility to inspect and repair

their system to ensure that it is functioning as credited. In addition, the County reserves the right to inspect any system receiving a credit at any time. If the field inspection proves that any of the annual documentation submitted for continuation of the Credit is not accurate, or the system is not maintained, or if the system is not operating as credited, the Credit will be forfeited, and the Customer must repay the County in the form of a surcharge the amount of Credit received during the period for which the County determines the system was out of compliance.

Inspections will be performed at the discretion of the County to assure that a Stormwater Management System is operating as credited (no blockage due to excessive sediment accumulation, logs, or debris; proper vegetative coverage, etc).

In order to be eligible for a mitigation credit, the owner of the parcel must agree to allow the County to inspect the Stormwater Management System to ensure that they are maintained and functioning properly.

C. Mitigation Credit Renewals

Mitigation Credits granted to a Customer for an existing or new Stormwater Management System are in effect for two years. In order to continue receiving Credit in future years, a Customer must renew their application every 24 months from the original date of acceptance. **Reapplications shall be submitted between October 1st and April 1st.** The required documentation consists of the following:

- Biennial inspection report from an independent Professional Engineer licensed to practice engineering in the State of Florida – SWFWMD recertifications less than 1 year old may be submitted to fulfill this requirement.
- Recently dated photographs showing the condition (including any known damage or disrepair) of a Stormwater Control Measure. For stormwater ponds and other devices, these photos should include views of the outlet structure, all side slopes, vegetated littoral zones, a view from the downstream channel looking upstream at the dam and emergency spillway, a view from the dam showing the condition of the downstream channel, and a view of areas designed to catch sediment (if possible).

Appendix A - Instructions and Forms for Adjustments

Instructions

Applicants must fill out the Adjustment Form contained in Appendix A.1 and submit the items listed in the Checklist. Please note that the County reserves the right to request additional information if necessary to determine the adjustment.

Applicants should fill out the entire form as completely as possible. The following directions apply to each section of the form.

Section A

Please submit the information requested by the Application including Property Owner, Physical Address, Contact Information and a copy of the most recent Assessment from the Pinellas County.

Section B

Please submit the information requested concerning the Applicant's Engineer or Surveyor (if applicable) including the Name, Physical Address, and Contact Information.

Section C

Please submit the information requested concerning the Applicant's Property. If the property address is different from the Owner address in Section A, please include in Section C.

Section D

Please list your requested change of impervious area in the appropriate spaces. In addition, please attach all documentation needed to justify your claim for an adjustment. Additional information may include:

- A map and/or aerial photograph of the property – Google Maps or Pinellas County Property Appraiser Website are acceptable sources.
- Official property measurements such as site plan, building plans, etc. Official property measurements shall be determined from surveys, certified as-builts or plans, or similar types of documents.
- If necessary for more complex sites, a complete site survey by a registered surveyor or engineer

Section E

A checklist for completion of the application is included in Section E. Please check the boxes next to each item to signify that you have completed the entire form. If the form is not complete, the County may request that you re-submit the form before making a determination on the adjustment.

Section F

Please place your initials in the appropriate spaces to signify that you will comply with the statements in this section. This section must be complete in order for your application to be processed.

Section G

Please sign and date that you have completed the application for an adjustment. If multiple owners exist for the property, all owners must sign this form in order to grant the adjustment.

Section H

Section H is for office use only by Pinellas County staff.

Appendix B - Instructions and Forms for Mitigation Credits

Applicants applying for a Stormwater Facility Mitigation Credit for the first time must fill out the Credit Application contained in Appendix B.1 and submit the items listed in the Credit Application Checklist. Please note also that the County reserves the right to request additional information if necessary to determine the Credit. Applicants or a Professional Engineer hired by the Applicant should fill out the entire form as completely as possible. The following directions apply to each section of the form.

Section A

Please submit the information requested by the Application including Customer Name, Physical Address, Contact Information and a copy of the most recent Assessment from the County.

Section B

Please submit the information requested concerning the Applicant's Engineer including the Name, Physical Address, and Contact Information.

Section C

Please submit the information requested concerning the Applicant's Property for which Credit will be applied. If the property address is different from the Customer's address in Section A, please include in Section C.

Section D

Please indicate the number of acres of onsite and upstream tributary drainage area (if applicable) controlled by the Applicant's Stormwater Facility by entering the correct amount in the boxes provided. The Applicant shall receive this information from the Professional Engineer that was hired to design the new facility or who has performed the study of an existing facility. The applicant shall submit a drainage plan showing the contributing drainage areas on the parcel and their outfall locations.. In addition, the engineer should signify the appropriate design storm events controlled by the Stormwater Facility.

Section E

A checklist for completion of the application is included in Section F. Please check the boxes next to each item to signify that you have completed the entire form. If the form is not complete, the County may request that you re-submit the form before making a determination on the adjustment.

Section F

Please place your initials in the appropriate spaces to signify that you will comply with the statements in this section. For facilities with multiple owners or customers, the owner having primary responsibility for the management of the facility should sign this section. A Professional Engineer registered in the State of Florida is also required to sign this section. This section must be complete in order for your application to be processed.

Section G

Please sign and date that you have completed the application for a Credit. If multiple customers exist for the property, all customers must sign this form in order to grant the Credit. For development with common area Stormwater Facilities such as condominiums, townhomes or cluster unit developments, where Assessments are pro-rated to the lot owners, the Association may sign and complete the application on behalf of its members.

Section H

Section I is for office use only by Pinellas County staff.

Appendix C - Instructions and Forms for Mitigation Credits Renewals

Customers applying for a Renewal of an existing Mitigation Credit must complete the Surface Water Assessment Mitigation Credit Renewal Application in this Section and submit the items listed in the Credit Renewal Checklist on the application form every two years. A Licensed Engineer needs to complete the certified inspection report required for the type of Credit being applied for. The following Section provide instructions for completing the Credit Renewal form. **Most of this information can be copied by the applicant directly from the Initial Credit Application Form.**

Section A

Please submit the information requested by the Application including Customer Name, Physical Address and Contact Information.

Section B

Please submit the information requested concerning the Applicant's Engineer including the Name, Physical Address, and Contact Information.

Section C

Please submit the information requested concerning the Applicant's Property. If the property address is different from the Customer's address in Section A, please include in Section C.

Section D

Please indicate the number of acres of onsite and upstream tributary drainage area (if applicable) controlled by the Applicant's Stormwater Facility by entering the correct amount in the boxes provided. The Applicant shall receive this information from the Professional Engineer that was hired to design the new facility or who has performed the study of an existing facility. The applicant shall submit a drainage plan showing the contributing drainage areas on the parcel and their outfall locations.. In addition, the engineer should signify the appropriate design storm events controlled by the Stormwater Facility.

Section E

A checklist for completion of the application is included in Section F. Please check the boxes next to each item to signify that you have completed the entire form. If the form is not complete, the County may request that you re-submit the form before making a determination on the adjustment. The items in the Renewal Application Form are intended to certify that the facility has been maintained properly throughout the past year and that that facility continues to

operate as designed for the Credit.

Section F

Please place your initials in the appropriate spaces to signify that you will comply with the statements in this section. For facilities with multiple owners or customers, the owner having primary responsibility for the management of the facility should sign this section. A Professional Engineer registered in the State of Florida is also required to sign this section. This section must be complete in order for your application to be processed.

Section G

Please sign and date that you have completed the application for a Credit. If multiple customers exist for the property, all customers must sign this form in order to grant the Credit. For development with common area Stormwater Facilities such as condominiums, townhomes or cluster unit developments, where Assessments are pro-rated to the lot owners, the Association may sign and complete the application on behalf of its members.

Section H

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Appendix D - Example Mitigation Credit Calculations

The method for calculating a Mitigation Credit will depend on many factors, such as the existence of a primary drainage system component on a property, and the extent to which a Facility provides runoff control during storm events. Examples contained in this section are intended to familiarize Customers with concepts governing the Mitigation Credits and the manner in which they are calculated so that they might be able to determine the amount of Credit that may be available to them.

Example Standard Fee Calculation:

1 ERU = 2,339 SF = \$116/yr

ERU = Impervious Area / 2,339 SF (ERUs are rounded to the nearest decimal)

Fee = ERU * \$116

Example Site: Commercial Property

Impervious Area = 20,000 SF, No retention of stormwater runoff

ERU = 20,000 SF / 2,339 SF = 8.6 ERU

Fee = 8.6 ERU * \$116/yr = \$997.60 / yr

Example Credited Fee Calculations:

1. Case 1: Zero discharge from 100yr/24hr event. 75% Reduction

Parcel may not have a stormwater management system onsite, but still no runoff reaches the County maintained System or receiving waters, or parcel may have a retention facility onsite that retains 100% of the 100yr/24hr storm event.

Example Site: Commercial Property

Total Site Area = 40,000 SF

Impervious Area = 20,000 SF; Runoff Coefficient = 0.90

Pervious Area = 15,000 SF; Runoff Coefficient = 0.45

Basin Area (@100yr/24hr elevation based on as-built plans)
=5,000 SF; Runoff Coefficient = 0.95

100% Retention of 100yr/24hr storm event runoff from as-built plans

Fee Before Credit = 20,000 SF / 2,339 SF = 8.6 ERU 8.6 ERU * \$116/yr = \$997.60 / yr

40,000

$$= 0.74$$

$$\frac{100\text{yr}}{24\text{hr}}$$

$$= 12'' * 40,000 * 0.74 * 1 \text{ FT} / 12'' = 29,600 \text{ CF}$$

The as-built plans show the volume retained in the basin before any discharge is greater than 29,600CF., or more than the 100 yr storm event. Therefore the credit will be maxed out at 75%. The new ERU will be:

$$\text{New ERU} = \text{Old ERU} * (1 - \% \text{ Credit}) = 8.6 * (1 - 0.75) = 2.1$$

$$\text{New Fee} = \text{New ERU} * \$116 = 2.1 * \$116 = \$243.60$$

2. Case 2a: Certified private stormwater detention facility - Up to 75% Reduction

Parcel retains a percentage of the runoff generated from the 100yr/24hr storm event

Example Site: Commercial Property
 Total Site Area = 40,000 SF
 Impervious Area = 20,000 SF; Runoff Coefficient = 0.90
 Pervious Area = 15,000 SF; Runoff Coefficient = 0.45
 Basin Area (@100yr/24hr elevation based on as-built plans)
 =5,000 SF; Runoff Coefficient = 0.95
 50% Retention of 100yr/24hr storm event runoff from as-built plans

$$\text{Fee Before Credit} = 20,000 \text{ SF} / 2,339 \text{ SF} = 8.6 \text{ ERU} \quad 8.6 \text{ ERU} * \$116/\text{yr} = \$997.60 / \text{yr}$$

$$\begin{aligned}
 &\text{Weighted Runoff Coefficient} \\
 &= \frac{(20,000 \text{ SF})(0.90) + (15,000 \text{ SF})(0.45) + (5,000)(0.95)}{40,000} \\
 &= 0.74
 \end{aligned}$$

$$\begin{aligned}
 &\text{Runoff from 100 yr 24 hr event} \\
 &= 12" \text{ of rain} * \text{total site area} * \text{weighted runoff coefficient} \\
 &= 12" * 40,000 * 0.74 * 1 \text{ FT} / 12" = 29,600 \text{ CF}
 \end{aligned}$$

The as-built plans show the volume retained in the basin before any discharge is 14,800 CF (or 50% of the runoff generated). The Credit will be based on the % of the 100 yr storm event retained on site, in this case 50% of the 75% total maximum:

$$\begin{aligned}
 \text{New ERU} &= \text{Old ERU} * (1 - \% \text{ Credit}) = 8.6 * (1 - (0.75 * 0.5)) = 3.2 \\
 \text{New Fee} &= \text{New ERU} * \$116 = 3.2 * \$116 = \$371.20
 \end{aligned}$$

3. Case 2b: Certified private stormwater retention facility - Up to 75% Reduction **Communities with privately maintained Stormwater Management Facilities**

a. Case 3a: Community with privately maintained roads and stormwater management facility - Up to 75% Reduction

Example Site: Residential Subdivision, 10 lots, 3,000 SF footprint each
 Total Site Area = 100,000 SF
 Impervious Area = 30,000 SF; Runoff Coefficient = 0.90
 Pervious Area = 50,000 SF; Runoff Coefficient = 0.45
 Basin Area (@100yr/24hr elevation based on as-built plans)
 = 20,000 SF; Runoff Coefficient = 0.95
 50% Retention of 100yr/24hr storm event runoff from as-built plans

$$\begin{aligned}
 \text{Fee for Entire Subdivision Before Credit} &= \text{Medium Home ERU Fee} * \# \text{ of Lots} \\
 &= \$116 * 10 \text{ lots} = \$1,160 / \text{yr}
 \end{aligned}$$

$$\begin{aligned} \text{Weighted Runoff Coefficient} &= \frac{(30,000 \text{ SF})(0.90) + (50,000 \text{ SF})(0.45) + (20,000)(0.95)}{100,000} \\ &= 0.69 \end{aligned}$$

Runoff from 100 yr 24 hr event
 = 12" of rain * total site area * weighted runoff coefficient
 = 12" * 100,000 * 0.69 * 1 FT / 12" = 69,000 CF

The as-built plans show the volume retained in the basin before any discharge is 34,500CF (or 50% of the runoff generated). The Credit will be:

$$\begin{aligned} \text{Credited Fee} &= \text{Fee} * (1 - 0.75 * \text{Percentage of 100 yr 24 hr storm event retained}) \\ &= \$1,160 * [1 - (0.75 * 0.5)] \\ &= \$697.50 / \text{yr} \end{aligned}$$

Therefore each lot will pay \$69.75 per year.

b. Case 3b: Community with County-maintained roads and private stormwater management facility - Up to 37.5% Reduction

Example Site: Residential Subdivision, 10 lots, 3,000 SF footprint each
 Total Site Area = 100,000 SF
 Impervious Area = 30,000 SF; Runoff Coefficient = 0.90
 Pervious Area = 50,000 SF; Runoff Coefficient = 0.45
 Basin Area (@100yr/24hr elevation based on as-built plans)
 =20,000 SF; Runoff Coefficient = 0.95
 50% Retention of 100yr/24hr storm event runoff from as-built plans

$$\begin{aligned} \text{Fee for Entire Subdivision Before Credit} &= \text{Medium Home ERU Fee} * \# \text{ of Lots} \\ &= \$116 * 10 \text{ lots} = \$1,160 / \text{yr} \end{aligned}$$

$$\begin{aligned} \text{Weighted Runoff Coefficient} &= \frac{(30,000 \text{ SF})(0.90) + (50,000 \text{ SF})(0.45) + (20,000)(0.95)}{100,000} \\ &= 0.69 \end{aligned}$$

$$\begin{aligned}
 &\text{Runoff from 100 yr 24 hr event} \\
 &= 12" \text{ of rain} * \text{total site area} * \text{weighted runoff coefficient} \\
 &= 12" * 100,000 * 0.69 * 1 \text{ FT} / 12" = 69,000 \text{ CF}
 \end{aligned}$$

The as-built plans show the volume retained in the basin before any discharge is 34,500CF (or 50% of the runoff generated). The Credit will be:

$$\begin{aligned}
 \text{Credited Fee} &= \text{Fee} * (1 - 0.375\% * \text{Percentage of 100 yr 24 hr storm event retained}) \\
 &= \$1,160 * [1 - (0.375 * 0.5)] \\
 &= \$942.50
 \end{aligned}$$

Therefore each lot will pay \$942.50 per year.

4. Case 4 (a): Zero discharge from 100yr/24hr event. All discharge to tidal waters. 75% Reduction

Parcel does not discharge to the County's MS4 and discharges to tidal waters under the 100-year, 24-hour storm event. Parcel has a wet detention pond designed to meet the OFW criteria.

Example Site: Commercial Property

Total Site Area = 40,000 SF
 Impervious Area = 20,000 SF; Runoff Coefficient = 0.90
 Pervious Area = 15,000 SF; Runoff Coefficient = 0.45
 Basin Area (@ treatment elevation based on as-built plans)
 = 5,000 SF; Runoff Coefficient = 0.95
 The entire parcel discharges to tidal waters and no discharge to the County's MS4 or surface waters.

Water quality treatment volume based on OFW criteria
 = 1.5" of runoff (1" plus 50%) * total site area

$$= 1.5" * 40,000 * 1 \text{ FT} / 12" = 5,000 \text{ CF}$$

The as-built plans show the provided water quality treatment volume in the basin before any discharge is greater than 5,000CF. Therefore the credit will be:

$\% \text{ Credit} = (75\%) * (\text{water quality treatment provided}) / (\text{water quality treatment based on the OFW criteria}) * (\% \text{ of the site discharging to tidal waters under the 100-year event})$

$$(75\%) * (5,000 \text{ CF}) / (5,000 \text{ CF}) * (100\%) = 75\% \text{ credit}$$

$$\text{New ERU} = \text{Old ERU} * (1 - \% \text{ Credit}) = 8.6 * (1 - 0.75) = 2.1$$

$$\text{New Fee} = \text{New ERU} * \$116 = 2.1 * \$116 = \$243.60$$

Case 4 (b): Partial discharge from 100yr/24hr event and partial discharge to tidal waters.

Parcel partially discharges to the County's MS4 and partially discharges to tidal waters under the 100-year, 24-hour storm event. Parcel has a wet detention pond not designed to meet the OFW criteria.

Example Site: Commercial Property

Total Site Area = 40,000 SF

Impervious Area = 20,000 SF; Runoff Coefficient = 0.90

Pervious Area = 15,000 SF; Runoff Coefficient = 0.45

Basin Area (@ treatment elevation based on as-built plans)
= 5,000 SF; Runoff Coefficient = 0.95

50% of the parcel discharges to tidal waters and 50% of the parcel discharge to the County's MS4 or surface waters.

Water quality treatment volume based on OFW criteria

$$= 1.5" \text{ of runoff (1" plus 50\%)} * \text{total site area}$$

$$= 1.5" * 40,000 * 1 \text{ FT} / 12" = 5,000 \text{ CF}$$

The as-built plans show the provided water quality treatment volume in the basin before any discharge is 2,000CF. Therefore the credit will be:

$$\% \text{ Credit} = (75\%) * (\text{water quality treatment provided}) / (\text{water quality treatment based on the OFW criteria}) * (\% \text{ of the site discharging to tidal waters under the 100-year event})$$

$$(75\%) * (2,000 \text{ CF}) / (5,000 \text{ CF}) * (50\%) = 15\% \text{ credit}$$

$$\text{New ERU} = \text{Old ERU} * (1 - \% \text{ Credit}) = 8.6 * (1 - 0.15) = 7.31$$

$$\text{New Fee} = \text{New ERU} * \$116 = 7.31 * \$116 = \$847.96$$