

Houston-Galveston Area Council (H-GAC)

**Coordinating Implementation of the Cedar Bayou Watershed Protection Plan
FY 15 CWA 319(h)
EPA State Categorical Program Grants – Workplan Essential Elements
FY 2011-2015 EPA Strategic Plan Reference
Strategic Plan Goal – Goal 2 Protecting America's Waters
Strategic Plan Objective – Objective 2.2 Protect and Restore Watersheds and Aquatic
Ecosystems
TSSWCB Project No. 15-10**

From 10.1.2017 through 12.31.2017.

I. Abstract

H-GAC worked with TSSWCB to administer the contract this quarter with a focus on continuing implementation activities and outreach events. H-GAC maintained conversation with stakeholders involved in outreach and other BMP projects. Project staff discussed the project at several local and regional watershed related meetings, seminars and conferences. H-GAC scheduled seminar events with TSSWCB, AgriLife and other partners for the quarter and early Q2. H-GAC worked with USDA NRCS and FSA to hold a series of webinars on resources for agricultural producers during Harvey recovery. H-GAC finalized installation and documentation for pet waste stations in Baytown and continued to investigate opportunities for OSSF remediation in Q2 in the Baytown ETJ using matching SEP funds.

II. Overall Progress and Results by Task

TASK 1: Project Administration

Subtask 1.1: *H-GAC will prepare electronic quarterly progress reports (QPRs) for submission to the TSSWCB. QPRs shall document all activities performed within a quarter and shall be submitted by the 15th of January, April, July and October. QPRs shall be distributed to all Project Partners. Months 1 thru 36.*

The following actions have been completed during this reporting period:

- A. H-GAC submitted Year 3, Quarter 1 project report for the *Coordinating Implementation of the Cedar Bayou Watershed Protection Plan* to TSSWCB on January 10, 2018.

75% Complete

Subtask 1.2: *H-GAC will perform accounting functions for project funds and will submit appropriate Reimbursement Forms to TSSWCB at least quarterly. Months 1 thru 36.*

The following actions have been completed during this reporting period:

- A. H-GAC will submit its invoice after close of books for that period, under separate cover from this report.

75% Complete

Subtask 1.3: H-GAC will host coordination meetings or conference calls, at least quarterly, with project partners to discuss project activities, project schedule, communication needs, deliverables, and other requirements. H-GAC will develop lists of action items needed following each project coordination meeting and distribute to project personnel. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC staff communicated with TSSWCB project staff regarding the project, including coordination of implementation projects and WQMP efforts on the local level.
- B. Final versions of the WPP and Executive Summary were maintained on the website and disseminated to stakeholders upon request.

75% Complete

Subtask 1.4: H-GAC will develop a Final Report that summarizes activities completed and conclusions reached during the project, and discusses the extent to which project goals and measures of success have been achieved. Months 34 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC discussed report format and aesthetics internally as part of general discussion of report design across projects.

5% Complete

TASK 2: Support, Coordinate, and Facilitate Watershed Partnership and WPP Implementation Activities

Subtask 2.1: H-GAC will serve as the Watershed Coordinator to engage and facilitate the CBWP and entities identified in the Cedar Bayou WPP. H-GAC will serve as the primary conduit for interaction with landowners, citizens, and entities to facilitate the implementation of the WPP. H-GAC shall participate in Texas Watershed Coordinator Roundtables, regional watershed coordinator groups, and related water quality groups and organizations as appropriate. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC attended and/or presented information on the project at a Gulf-Houston Regional Conservation Plan meeting (10/25), H-GAC Natural Resources Advisory Committee meeting (11/2), represented the watershed and other projects with a informational booth at the Bayou Preservation Association's annual symposium (10/19), worked with GBEP and TWRI on developing a BST project that would include the tidal portion of the Bayou (multiple meetings); and discussed this project at the Water and Sediment Quality subcommittee of GBEP (11/30).
- B. H-GAC discussed integration of WPP goals with the Harris County Flood Control District's flood reduction study on Cedar Bayou, and planned for participation in upcoming meetings.

75% Complete

Subtask 2.2: H-GAC will facilitate public participation and stakeholder involvement in the watershed planning process, specifically by hosting meetings of the CBWP Steering Committee, at a minimum biannually, and Work Groups (as needed) to review progress, maintain stakeholder commitment, share project progress and coordinate activities., and meeting summaries will be provided within 30 days of the meeting. H-GAC will coordinate meetings, secure meeting locations, prepare and disseminate meeting notices and agendas. All meeting materials will be reviewed by TSSWCB prior to the meetings. Meeting summaries will be prepared and posted to the project website within 30 days of the meeting date. Months 1-36.

The following actions have been completed during this reporting period:

- A. There were no meetings of the CBWP this quarter, as H-GAC discussed implementation individually with stakeholders and partners.

25% Complete

Subtask 2.3: H-GAC will maintain a project website and Facebook presence updated regularly with project news and announcements. All presentations, documents and results will be posted to the website. The website and Facebook page serve as a means to disseminate information to stakeholders and the general public. Months 1-36.

The following actions have been completed during this reporting period:

- A. The project website and Facebook site were updated to advertise the events held during the quarter, and with appropriate messages about Hurricane Harvey recovery resources.

75% Complete

Subtask 2.4: H-GAC will coordinate with project partners to identify implementation status, plan implementation logistics, and facilitate communication between related efforts. H-GAC will communicate with identified partners on a quarterly basis, at a minimum. Months 1-36.

The following actions have been completed during this reporting period:

- A. H-GAC communicated with select stakeholders on several implementation tasks including:
 - 1) City of Baytown, on finalizing pet waste stations in parks;
 - 2) City of Baytown for use of SEP funds for OSSFs;
 - 3) City of Baytown following up on Trash Bash site logistics and event review;
 - 4) City of Baytown on participation in the 2018 Nurture Nature outreach event;
 - 5) AgriLife on logistics of the (postponed) Texas Watershed Stewards training;
 - 6) Jimmy Weaver in updating status of WQMP implementation;
 - 7) coordinating with USDA on developing webinars for post-Harvey resources; and
 - 8) various regional groups as discussed in Task 2A.

75% Complete

Subtask 2.5: H-GAC will assist governmental and non-governmental organizations in the Cedar Bayou watershed in identification and acquisition of resources (financial and technical) to assist with WPP implementation. H-GAC will actively seek and pursue funding opportunities and work with partners to develop grant proposals. H-GAC will work with state and federal agencies, as appropriate, to bring technical and financial resources to the watershed. Months 1-24.

The following actions have been completed during this reporting period:

- A. H-GAC continued to work with the Gulf-Houston Regional Conservation Plan group (via Houston Wilderness) to represent Cedar Bayou projects in their Plan and related grant proposals.
- B. H-GAC has reviewed grants on a regular basis for this and other WPP projects. H-GAC is currently considering two environmental education opportunities for project watersheds.
- C. H-GAC partnered with the USDA FSA and NRCS to hold two webinars (11/19 and 1/4) for landowners and agricultural producers. The webinars focused on resources available for post-Harvey recovery, but also introduced the participants to the general resources available from these entities.
- D. H-GAC coordinated with the Harris County Flood Control District on their upcoming flood risk reduction study for Cedar Bayou. H-GAC will participate and support consideration of water quality aspects of study alternatives as an additional means to meet WPP goals.
- E. H-GAC continued to maintain an OSSF Supplemental Environmental Project (SEP) during this quarter, to serve this and other priority watersheds.
- F. H-GAC project staff coordinated with another ongoing urban forestry project (Houston Area Urban Forests at www.houstonforests.com) to identify resources for riparian reforestation, with a focus on impaired waterways as a metric for project prioritization.
- G. H-GAC worked with GBEP and TWRI to pursue funding for a BST study that would characterize boundary conditions of the Bay in a number of waterways, including tidal portions of Cedar Bayou.

75% Complete

Subtask 2.6: H-GAC will 1) evaluate and track progress toward achieving milestones established in the WPP; and 2) assess water quality data collected through the CRP and other data collection efforts in relation to achieving load reductions. H-GAC will identify any trends in the data and communicate these findings with the CBWP. Stream Team data will be reviewed for identifying localized issues, but will not be included in formal evaluations. Months 1-36.

The following actions have been completed during this reporting period:

- A. H-GAC has continued to track programmatic milestones internally and as part of these QPRs.
- B. H-GAC CRP has continued to collect water quality samples at 4 sites in the watershed, and continued to promote Stream Team volunteers in the watershed. Related efforts under other projects (H-GAC's 604b WQMP project, etc.) to evaluate SSO and DMR data for the region were completed in Q4, and will be reviewed with the CBWP at an upcoming meeting. Project staff are working with Clean Rivers Program staff on review of Cedar Bayou data as part of the annual Basin Highlights/Basin Summary process.

75% Complete

TASK 3: Conduct and Coordinate Water Resources and Related Environmental Education and Outreach Activities

Subtask 3.1: H-GAC will coordinate and conduct water resources and related environmental outreach/education efforts across the watershed, as identified in the Cedar Bayou WPP. H-GAC will work with watershed partners to hold a series of outreach and education events in the watershed area to further the aims of implementation activities. Events will include, but not be limited to, at least: one (1) Feral Hog Workshop, one (1) OSSF training event, one (1) agricultural producer's workshop; one (1) school educational program, and one (1) Texas Well Owner Network training. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC project staff worked with TSSWCB and AgriLife project staff to schedule:
 - a. TWS (originally scheduled for August, rescheduled due to Hurricane Harvey for January 2018) – 1/17/18.
 - b. Feral Hog workshop (TBD)
- B. H-GAC project staff worked with USDA (FSA and NRCS) to put on a series of webinars on agricultural programs and resources, with a focus on special resources allocated for Harvey recovery (11/19 and 1/4).
- C. H-GAC is continuing to participate in the HCFCFCD on their ongoing Cedar Bayou flood reduction study.

70% Complete

Subtask 3.2: H-GAC will attend at least six (6) other local events, meetings or other occasions at which it would be appropriate to promote the project or provide education/outreach on related topics. Priority will be given to events in the watershed area, then to events likely to attract significant participation from within the watershed. Example events include the Baytown Nature Nurture Festival, meetings of local governments or community organizations (e.g., Friends of Cedar Bayou United), area Soil and Water Conservation Districts, and events sponsored by Texas AgriLife Extension. The focus of the outreach will be determined by the intended audience, but will include general watershed information, specific information on the WPP and the Partnership, information on available project and partner resources, and information of BMPs for individuals. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC is currently working with AgriLife (TWRI, et. al) to finalize public meetings for the coming months, starting with the 1/17/18 TWS, and are working on a regional Riparian workshop.

75% Complete

Subtask 3.3: H-GAC will facilitate communication with stakeholders in order to engage the public and affected entities in the watershed planning process. H-GAC will utilize all appropriate communication mechanisms including direct mail, e-mail, the project website, and print media.

H-GAC will develop and disseminate general project informational materials, including, but not limited to: flyers, brochures, letters, factsheets, news releases, and other appropriate promotional publications. H-GAC will include information about the project in CRP publications. H-GAC will continue to utilize Constant Contact email service to facilitate direct discussion between stakeholders. H-GAC will solicit content matter for educational materials from Project Partners as appropriate. TSSWCB must approve all project-related content in any informational materials and promotional publications prior to distribution. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC discussed project elements with stakeholders as discussed in previous Task summaries.
- B. H-GAC publicized the events identified in previous sections to stakeholders.
- C. H-GAC coordinated with SWCD WQMP staff to publicize WQMPs in the watershed at local events. H-GAC provided outreach support, a project banner, and printed materials upon request.

75% Complete

TASK 4: WPP Implementation Activities

Subtask 4.1: H-GAC will acquire a minimum of six (6) pet waste stations and related supplies and coordinate with local partners to install them in public areas with high pet traffic (e.g. Roseland Park in Baytown). Funding for this subtask will be through H-GAC local matching funds and in-kind match for the installation and maintenance of the OSSFs. Months 3 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC completed the installation and documentation of the pet waste stations to be with the City of Baytown. The project was able to install a greater number of stations (8) and extra bags than contractually obligated, within the projected (match) budget. The stations matched the existing City stations and did not suffer ill effects from Hurricane Harvey.

100% Complete

Subtask 4.2: H-GAC will remediate a minimum of ten (10) failing OSSFs for low income households through repair, replacement, abandonment, or pumping³. H-GAC OSSF SEP funds will be used in conjunction with property owner contributions for this purpose. OSSFs will be located and prioritized based on coordination with area Authorized Agents and restrictions of funding sources. Priority will be given to those systems closer to contributing water bodies or urban drainage systems and level of repair needed (i.e. those most likely to contribute bacteria to the watershed), as well as any qualifying factors based on the funding sources. Month 4 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC continued to maintain an SEP for OSSFs in Cedar Bayou and other priority watersheds. The area of focus continues to be Baytown and Harris County, with most of the funds being secured from Harris County.
- B. H-GAC continued to update OSSF location information for this area as part of a 604(b)

grant project with TCEQ, to be used to help identify potential areas for remediation projects. Preliminary areas of interest were identified (primarily central ETJ areas in Baytown) for discussions and decisions with the City. The City confirmed that additional annexations are taking place in which to target efforts. The focus of remediation will begin in Q2.

50% Complete

III. Related Issues/Current Problems and Favorable or Unusual Developments

- A. H-GAC's local partners (HCFCF, GBF, et al.) have continued to be active with local efforts.
- B. SSOs continue to be an issue for the City of Baytown, and a concern among residents. Baytown is proactively addressing the situation in good faith, but some problem areas persist.
- C. Lingering impacts of Hurricane Harvey have diverted attention from some planned activities, and been a more prominent focus for partners in the intervening months.
- D. Most remaining outreach activities are being scheduled with partners for the coming quarter(s).

IV. Projected Work for Next Quarter

Task 1. H-GAC will continue to administer the project.

Task 2. H-GAC will attend applicable local watershed meetings; H-GAC will: meet with interested stakeholder groups as appropriate; meet with stakeholders specifically involved in OSSF identification; update the website and social media as appropriate; communicate with project partners on opportunities and coordination activities; review grant and funding sources; and collect and review CRP data.

Task 3. H-GAC will work with AgriLife and other partners to schedule and implement remaining educational activities. H-GAC will send out updates on the project via newsletter and social media to project stakeholders as warranted.

Task 4. Continue to work with local partners to implement OSSF remediation, including recently annexed areas of the City of Baytown.

Houston-Galveston Area Council (H-GAC)

**Coordinating Implementation of the Cedar Bayou Watershed Protection Plan
FY 15 CWA 319(h)
EPA State Categorical Program Grants – Workplan Essential Elements
FY 2011-2015 EPA Strategic Plan Reference
Strategic Plan Goal – Goal 2 Protecting America's Waters
Strategic Plan Objective – Objective 2.2 Protect and Restore Watersheds and Aquatic
Ecosystems
TSSWCB Project No. 15-10**

From 1.1.2018 through 3.31.2018.

I. Abstract

H-GAC worked with TSSWCB to administer the contract this quarter with a focus on continuing implementation activities and outreach events. H-GAC maintained conversation with stakeholders involved in outreach and other BMP projects. Project staff discussed the project at several local and regional watershed related meetings, seminars and conferences. H-GAC held outreach events during the quarter, including a Texas Watershed Stewards training in Mont Belvieu and scheduled additional events for the remainder of the project term. H-GAC continued to pursue opportunities for OSSF remediation in the Baytown ETJ using matching SEP funds.

II. Overall Progress and Results by Task

TASK 1: Project Administration

Subtask 1.1: *H-GAC will prepare electronic quarterly progress reports (QPRs) for submission to the TSSWCB. QPRs shall document all activities performed within a quarter and shall be submitted by the 15th of January, April, July and October. QPRs shall be distributed to all Project Partners. Months 1 thru 36.*

The following actions have been completed during this reporting period:

- A. H-GAC submitted Year 3, Quarter 2 project report for the *Coordinating Implementation of the Cedar Bayou Watershed Protection Plan* to TSSWCB on April 6, 2018.

83% Complete

Subtask 1.2: *H-GAC will perform accounting functions for project funds and will submit appropriate Reimbursement Forms to TSSWCB at least quarterly. Months 1 thru 36.*

The following actions have been completed during this reporting period:

- A. H-GAC will submit its invoice after close of books for that period, under separate cover from this report.

83% Complete

Subtask 1.3: *H-GAC will host coordination meetings or conference calls, at least quarterly, with project partners to discuss project activities, project schedule, communication needs, deliverables,*

and other requirements. H-GAC will develop lists of action items needed following each project coordination meeting and distribute to project personnel. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC staff communicated with TSSWCB project staff regarding the project, including coordination of implementation projects and WQMP efforts on the local level.
- B. Final versions of the WPP and Executive Summary were maintained on the website and disseminated to stakeholders upon request.

83% Complete

Subtask 1.4: H-GAC will develop a Final Report that summarizes activities completed and conclusions reached during the project, and discusses the extent to which project goals and measures of success have been achieved. Months 34 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC continued to discuss report format and aesthetics internally as part of general discussion of report design across projects.

5% Complete

TASK 2: Support, Coordinate, and Facilitate Watershed Partnership and WPP Implementation Activities

Subtask 2.1: H-GAC will serve as the Watershed Coordinator to engage and facilitate the CBWP and entities identified in the Cedar Bayou WPP. H-GAC will serve as the primary conduit for interaction with landowners, citizens, and entities to facilitate the implementation of the WPP. H-GAC shall participate in Texas Watershed Coordinator Roundtables, regional watershed coordinator groups, and related water quality groups and organizations as appropriate. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC attended and/or presented information on the project at a H-GAC Natural Resources Advisory Committee meeting (2/1), represented the watershed and other projects as part of discussions of water quality with the Galveston Bay Plan revision process (multiple meetings and public open house), at the Texas Watershed Stewards training in Mont Belvieu (2/8), at the Texas Watershed Coordinators Roundtable (1/23) and discussed this project at the Water and Sediment Quality subcommittee of GBEP (3/1).
- B. H-GAC discussed integration of WPP goals with the Harris County Flood Control District's flood reduction study on Cedar Bayou, and planned for participation in review of their Flood reduction study for the Bayou.

83% Complete

Subtask 2.2: H-GAC will facilitate public participation and stakeholder involvement in the watershed planning process, specifically by hosting meetings of the CBWP Steering Committee,

at a minimum biannually, and Work Groups (as needed) to review progress, maintain stakeholder commitment, share project progress and coordinate activities., and meeting summaries will be provided within 30 days of the meeting. H-GAC will coordinate meetings, secure meeting locations, prepare and disseminate meeting notices and agendas. All meeting materials will be reviewed by TSSWCB prior to the meetings. Meeting summaries will be prepared and posted to the project website within 30 days of the meeting date. Months 1-36.

The following actions have been completed during this reporting period:

- A. There were no meetings of the CBWP this quarter, as H-GAC discussed implementation individually with stakeholders and partners. H-GAC worked with TWRI on a Texas Watershed Stewards Training event at which the progress was discussed with local stakeholders.

25% Complete

Subtask 2.3: H-GAC will maintain a project website and Facebook presence updated regularly with project news and announcements. All presentations, documents and results will be posted to the website. The website and Facebook page serve as a means to disseminate information to stakeholders and the general public. Months 1-36.

The following actions have been completed during this reporting period:

- A. The project website and Facebook site were updated to advertise the events held during the quarter.

83% Complete

Subtask 2.4: H-GAC will coordinate with project partners to identify implementation status, plan implementation logistics, and facilitate communication between related efforts. H-GAC will communicate with identified partners on a quarterly basis, at a minimum. Months 1-36.

The following actions have been completed during this reporting period:

- A. H-GAC communicated with select stakeholders on several implementation tasks including:
 - 1) City of Baytown, on participation in OSSF training;
 - 2) City of Baytown for use of SEP funds for OSSFs;
 - 3) City of Baytown following up on Trash Bash site logistics and event review;
 - 4) City of Baytown on participation in the 2018 Nurture Nature outreach event;
 - 5) AgriLife on logistics of the (postponed) Texas Watershed Stewards training;
 - 6) Jimmy Weaver in updating status of WQMP implementation;
 - 7) with the HCFCD on their flood reduction study for the Bayou;
 - 8) with Mont Belvieu in advance of discussing low impact development in the coming quarter, and
 - 9) various regional groups as discussed in Task 2A.

83% Complete

Subtask 2.5: H-GAC will assist governmental and non-governmental organizations in the Cedar Bayou watershed in identification and acquisition of resources (financial and technical) to assist with WPP implementation. H-GAC will actively seek and pursue funding opportunities and work with partners to develop grant proposals. H-GAC will work with state and federal agencies, as appropriate, to bring technical and financial resources to the watershed. Months 1-24.

The following actions have been completed during this reporting period:

- A. H-GAC continued to work with the Gulf-Houston Regional Conservation Plan group (via Houston Wilderness) to represent Cedar Bayou projects in their Plan and related grant proposals.
- B. H-GAC has reviewed grants on a regular basis for this and other WPP projects. H-GAC is currently reviewing potential TWDB funding resources and urban forestry resources (as part of another grant project) for their applicability in the watershed.
- C. H-GAC partnered with the USDA NRCS to hold a webinar (1/4) for landowners and agricultural producers. The webinar focused on resources available for post-Harvey recovery, but also introduced the participants to the general resources available from these entities.
- D. H-GAC coordinated with the Harris County Flood Control District on their upcoming flood risk reduction study for Cedar Bayou. H-GAC will participate and support consideration of water quality aspects of study alternatives as an additional means to meet WPP goals.
- E. H-GAC continued to maintain an OSSF Supplemental Environmental Project (SEP) during this quarter, to serve this and other priority watersheds.
- F. H-GAC project staff coordinated with another ongoing urban forestry project (Houston Area Urban Forests at www.houstonforests.com) to identify resources for riparian reforestation, with a focus on impaired waterways as a metric for project prioritization.

83% Complete

Subtask 2.6: H-GAC will 1) evaluate and track progress toward achieving milestones established in the WPP; and 2) assess water quality data collected through the CRP and other data collection efforts in relation to achieving load reductions. H-GAC will identify any trends in the data and communicate these findings with the CBWP. Stream Team data will be reviewed for identifying localized issues, but will not be included in formal evaluations. Months 1-36.

The following actions have been completed during this reporting period:

- A. H-GAC has continued to track programmatic milestones internally and as part of these QPRs.
- B. H-GAC CRP has continued to collect water quality samples at 4 sites in the watershed, and continued to promote Stream Team volunteers in the watershed. Related efforts under other projects (H-GAC's 604b WQMP project, etc.) to evaluate SSO and DMR data for the region were completed and additional data was developed for the current H-GAC Clean Rivers Program Basin Highlights Report, and will be reviewed with the CBWP at an upcoming meeting.

83% Complete

TASK 3: Conduct and Coordinate Water Resources and Related Environmental Education and Outreach Activities

Subtask 3.1: H-GAC will coordinate and conduct water resources and related environmental outreach/education efforts across the watershed, as identified in the Cedar Bayou WPP. H-GAC will work with watershed partners to hold a series of outreach and education events in the watershed area to further the aims of implementation activities. Events will include, but not be limited to, at least: one (1) Feral Hog Workshop, one (1) OSSF training event, one (1) agricultural producer's workshop; one (1) school educational program, and one (1) Texas Well Owner Network training. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC project staff worked with TSSWCB and AgriLife project staff to hold:
 - a. TWS – 2/8/18.
- B. H-GAC project staff worked with other agencies to schedule:
 - a. AgriLife Feral Hog workshop (August, TBD)
 - b. Booth at Baytown's Nurture Nature event (4/14)
 - c. H-GAC OSSF training workshop (5/2, with Galveston Bay Foundation)
- C. H-GAC project staff worked with USDA (NRCS) to put on a webinar on agricultural programs and resources, with a focus on special resources allocated for Harvey recovery (1/4).
- D. H-GAC is continuing to participate in the HCFCD on their ongoing Cedar Bayou flood reduction study.
- E. H-GAC discussed holding a Q3 agricultural producers workshop with SWCD WQMP staff.

75% Complete

Subtask 3.2: H-GAC will attend at least six (6) other local events, meetings or other occasions at which it would be appropriate to promote the project or provide education/outreach on related topics. Priority will be given to events in the watershed area, then to events likely to attract significant participation from within the watershed. Example events include the Baytown Nature Nurture Festival, meetings of local governments or community organizations (e.g., Friends of Cedar Bayou United), area Soil and Water Conservation Districts, and events sponsored by Texas AgriLife Extension. The focus of the outreach will be determined by the intended audience, but will include general watershed information, specific information on the WPP and the Partnership, information on available project and partner resources, and information of BMPs for individuals. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC worked with the City of Baytown to schedule a booth at the 4/14 Nurture Nature festival.

75% Complete

Subtask 3.3: H-GAC will facilitate communication with stakeholders in order to engage the public and affected entities in the watershed planning process. H-GAC will utilize all appropriate communication mechanisms including direct mail, e-mail, the project website, and print media. H-GAC will develop and disseminate general project informational materials, including, but not limited to: flyers, brochures, letters, factsheets, news releases, and other appropriate promotional publications. H-GAC will include information about the project in CRP publications. H-GAC will continue to utilize Constant Contact email service to facilitate direct discussion between stakeholders. H-GAC will solicit content matter for educational materials from Project Partners as appropriate. TSSWCB must approve all project-related content in any informational materials and promotional publications prior to distribution. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC discussed project elements with stakeholders as discussed in previous Task summaries.
- B. H-GAC publicized the events identified in previous sections to stakeholders.
- C. H-GAC coordinated with SWCD WQMP staff to publicize WQMPs in the watershed at local events. H-GAC provided outreach support, a project banner, and printed materials upon request.

75% Complete

TASK 4: WPP Implementation Activities

Subtask 4.1: H-GAC will acquire a minimum of six (6) pet waste stations and related supplies and coordinate with local partners to install them in public areas with high pet traffic (e.g. Roseland Park in Baytown). Funding for this subtask will be through H-GAC local matching funds and in-kind match for the installation and maintenance of the OSSFs. Months 3 thru 36.

The following actions have been completed during this reporting period:

- A. Stations continue to be serviced by the City of Baytown.

100% Complete

Subtask 4.2: H-GAC will remediate a minimum of ten (10) failing OSSFs for low income households through repair, replacement, abandonment, or pumping³. H-GAC OSSF SEP funds will be used in conjunction with property owner contributions for this purpose. OSSFs will be located and prioritized based on coordination with area Authorized Agents and restrictions of funding sources. Priority will be given to those systems closer to contributing water bodies or urban drainage systems and level of repair needed (i.e. those most likely to contribute bacteria to the watershed), as well as any qualifying factors based on the funding sources. Month 4 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC continued to maintain an SEP for OSSFs in Cedar Bayou and other priority watersheds. The area of focus continues to be Baytown and Harris County, with most of the funds being secured from Harris County. Additional funding was received, and H-GAC has requested additional information from the City of Baytown regarding targeted

use of the funds.

- B. H-GAC continued to update OSSF location information for this area as part of a 604(b) grant project with TCEQ, to be used to help identify potential areas for remediation projects. Preliminary areas of interest were identified (primarily central ETJ areas in Baytown) for discussions and decisions with the City. The City confirmed that additional annexations are taking place in which to target efforts.

50% Complete

III. Related Issues/Current Problems and Favorable or Unusual Developments

- A. H-GAC's local partners (HCFCDD, GBF, et al.) have continued to be active with local efforts.
- B. SSOs continue to be an issue for the City of Baytown, and a concern among residents. Baytown is proactively addressing the situation in good faith, but some problem areas persist.
- C. Lingering impacts of Hurricane Harvey are still a heavy focus for watershed stakeholders.
- D. Most remaining outreach activities are being scheduled with partners for the coming quarter(s).

IV. Projected Work for Next Quarter

Task 1. H-GAC will continue to administer the project.

Task 2. H-GAC will attend applicable local watershed meetings; H-GAC will: meet with interested stakeholder groups as appropriate; meet with stakeholders specifically involved in OSSF identification; update the website and social media as appropriate; communicate with project partners on opportunities and coordination activities; review grant and funding sources; and collect and review CRP data.

Task 3. H-GAC will work with AgriLife and other partners to schedule and implement remaining educational activities. H-GAC will send out updates on the project via email and social media to project stakeholders as warranted.

Task 4. Continue to work with local partners to implement OSSF remediation, including recently annexed areas of the City of Baytown.

Houston-Galveston Area Council (H-GAC)

**Coordinating Implementation of the Cedar Bayou Watershed Protection Plan
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Strategic Plan Goal – Goal 2 Protecting America's Waters
Strategic Plan Objective – Objective 2.2 Protect and Restore Watersheds and Aquatic
Ecosystems
TSSWCB Project No. 15-10**

From 4.1.2018 through 6.30.2018.

I. Abstract

H-GAC worked with TSSWCB to administer the contract this quarter with a focus on continuing implementation activities and outreach events. H-GAC maintained conversation with stakeholders involved in outreach and other BMP projects. Project staff discussed the project at several local and regional watershed related meetings, seminars and conferences. H-GAC held outreach events during the quarter, including a Texas Watershed Stewards training in Mont Belvieu and scheduled additional events for the remainder of the project term. H-GAC continued to complete OSSF SEP projects and pursue additional opportunities.

II. Overall Progress and Results by Task

TASK 1: Project Administration

Subtask 1.1: *H-GAC will prepare electronic quarterly progress reports (QPRs) for submission to the TSSWCB. QPRs shall document all activities performed within a quarter and shall be submitted by the 15th of January, April, July and October. QPRs shall be distributed to all Project Partners. Months 1 thru 36.*

The following actions have been completed during this reporting period:

- A. H-GAC submitted Year 3, Quarter 3 project report for the *Coordinating Implementation of the Cedar Bayou Watershed Protection Plan* to TSSWCB on July 5, 2018.

91% Complete

Subtask 1.2: *H-GAC will perform accounting functions for project funds and will submit appropriate Reimbursement Forms to TSSWCB at least quarterly. Months 1 thru 36.*

The following actions have been completed during this reporting period:

- A. H-GAC will submit its invoice after close of books for that period, under separate cover from this report.

91% Complete

Subtask 1.3: *H-GAC will host coordination meetings or conference calls, at least quarterly, with project partners to discuss project activities, project schedule, communication needs, deliverables,*

and other requirements. H-GAC will develop lists of action items needed following each project coordination meeting and distribute to project personnel. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC staff communicated with TSSWCB project staff regarding the project, including coordination of implementation projects and WQMP efforts on the local level.
- B. Final versions of the WPP and Executive Summary were maintained on the website and disseminated to stakeholders upon request.

91% Complete

Subtask 1.4: H-GAC will develop a Final Report that summarizes activities completed and conclusions reached during the project, and discusses the extent to which project goals and measures of success have been achieved. Months 34 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC continued to discuss report format and aesthetics internally as part of general discussion of report design across projects.

15% Complete

TASK 2: Support, Coordinate, and Facilitate Watershed Partnership and WPP Implementation Activities

Subtask 2.1: H-GAC will serve as the Watershed Coordinator to engage and facilitate the CBWP and entities identified in the Cedar Bayou WPP. H-GAC will serve as the primary conduit for interaction with landowners, citizens, and entities to facilitate the implementation of the WPP. H-GAC shall participate in Texas Watershed Coordinator Roundtables, regional watershed coordinator groups, and related water quality groups and organizations as appropriate. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC attended and/or presented information on the project at a H-GAC Natural Resources Advisory Committee meeting (5/3), represented the watershed and other projects as part of discussions of water quality with the Galveston Bay Plan revision process, discussed this project at the Water and Sediment Quality subcommittee of GBEP (6/7), and coordinated with other specific partners as discussed in other subtask 2 entries.
- B. H-GAC discussed integration of WPP goals with the Harris County Flood Control District's flood reduction study on Cedar Bayou, and planned for dissemination of Flood reduction study results to the stakeholders at an upcoming stakeholder meeting.

91% Complete

Subtask 2.2: H-GAC will facilitate public participation and stakeholder involvement in the watershed planning process, specifically by hosting meetings of the CBWP Steering Committee, at a minimum biannually, and Work Groups (as needed) to review progress, maintain stakeholder

commitment, share project progress and coordinate activities., and meeting summaries will be provided within 30 days of the meeting. H-GAC will coordinate meetings, secure meeting locations, prepare and disseminate meeting notices and agendas. All meeting materials will be reviewed by TSSWCB prior to the meetings. Meeting summaries will be prepared and posted to the project website within 30 days of the meeting date. Months 1-36.

The following actions have been completed during this reporting period:

- A. There were no meetings of the CBWP this quarter, as H-GAC discussed implementation individually with stakeholders and partners. A stakeholder meeting was planned for early Q4.

30% Complete

Subtask 2.3: H-GAC will maintain a project website and Facebook presence updated regularly with project news and announcements. All presentations, documents and results will be posted to the website. The website and Facebook page serve as a means to disseminate information to stakeholders and the general public. Months 1-36.

The following actions have been completed during this reporting period:

- A. The project website and Facebook site were updated to advertise the events held during the quarter.

91% Complete

Subtask 2.4: H-GAC will coordinate with project partners to identify implementation status, plan implementation logistics, and facilitate communication between related efforts. H-GAC will communicate with identified partners on a quarterly basis, at a minimum. Months 1-36.

The following actions have been completed during this reporting period:

- A. H-GAC communicated with select stakeholders on several implementation tasks including:
 - 1) City of Baytown, on participation in OSSF training;
 - 2) City of Baytown for use of SEP funds for OSSFs;
 - 3) City of Baytown following up on Trash Bash site logistics and event review;
 - 4) City of Baytown on participation in the 2018 Nurture Nature outreach event;
 - 5) Jimmy Weaver in updating status of WQMP implementation;
 - 6) with the HCFCD on their flood reduction study for the Bayou;
 - 7) with Mont Belvieu in advance of discussing low impact development;
 - 8) with TCEQ and AgriLife on efforts to address coastal OSSFs, and
 - 9) various regional groups as part of Clean Rivers Program, TMDL (Basin 13), and other studies.

91% Complete

Subtask 2.5: H-GAC will assist governmental and non-governmental organizations in the Cedar Bayou watershed in identification and acquisition of resources (financial and technical) to assist with WPP implementation. H-GAC will actively seek and pursue funding opportunities and work with partners to develop grant proposals. H-GAC will work with state and federal agencies, as appropriate, to bring technical and financial resources to the watershed. Months 1-24.

The following actions have been completed during this reporting period:

- A. H-GAC continued to work with the Gulf-Houston Regional Conservation Plan group (via

Houston Wilderness) to represent Cedar Bayou projects in their Plan and related grant proposals.

- B. H-GAC has reviewed grants on a regular basis for this and other WPP projects. H-GAC is currently reviewing potential 319, corporate, and SEP funding resource opportunities.
- C. H-GAC coordinated with the Harris County Flood Control District on their flood risk reduction study for Cedar Bayou. H-GAC will participate and support consideration of water quality aspects of study alternatives as an additional means to meet WPP goals.
- D. H-GAC continued to maintain an OSSF Supplemental Environmental Project (SEP) during this quarter, to serve this and other priority watersheds. One project was completed and another is underway.
- E. H-GAC met and communicated with the City of Mont Belvieu on several occasions about moving forward with H-GAC support for developing LID recommendations with a focus on water quality. H-GAC is continuing to work with the City and their existing contractor throughout Q4 to assist the City in this task.

91% Complete

Subtask 2.6: H-GAC will 1) evaluate and track progress toward achieving milestones established in the WPP; and 2) assess water quality data collected through the CRP and other data collection efforts in relation to achieving load reductions. H-GAC will identify any trends in the data and communicate these findings with the CBWP. Stream Team data will be reviewed for identifying localized issues, but will not be included in formal evaluations. Months 1-36.

The following actions have been completed during this reporting period:

- A. H-GAC has continued to track programmatic milestones internally and as part of these QPRs.
- B. H-GAC CRP has continued to collect water quality samples at 4 sites in the watershed, and continued to promote Stream Team volunteers in the watershed. Related efforts under other projects (H-GAC's 604b WQMP project, etc.) to evaluate wastewater infrastructure, SSO and DMR data, and OSSF locations for the region were completed and additional data was developed for the current H-GAC Clean Rivers Program Basin Highlights Report, and will be reviewed with the CBWP at an upcoming meeting. H-GAC worked with TCEQ NPS and AgriLife to coordinate activities on identifying and addressing OSSFs in the CMZ, including Cedar Bayou watershed as a priority area for our region.

91% Complete

TASK 3: Conduct and Coordinate Water Resources and Related Environmental Education and Outreach Activities

Subtask 3.1: H-GAC will coordinate and conduct water resources and related environmental outreach/education efforts across the watershed, as identified in the Cedar Bayou WPP. H-GAC will work with watershed partners to hold a series of outreach and education events in the watershed area to further the aims of implementation activities. Events will include, but not be limited to, at least: one (1) Feral Hog Workshop, one (1) OSSF training event, one (1) agricultural

producer's workshop; one (1) school educational program, and one (1) Texas Well Owner Network training. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC held a second 4-hour OSSF education event in Mont Belvieu on 5/5/18, that included local city staff and homeowners.
- B. H-GAC project staff worked with AgriLife to continue to try to schedule a Feral Hog workshop or gain approval to hold our own (TBD)
- C. H-GAC discussed holding a Q4 agricultural producers workshop with SWCD WQMP staff.
- D. Subsequent to the end of Q3, but prior to this report, H-GAC began discussions with TAMU to expand their Healthy Lawns, Healthy Watersheds program to Cedar Bayou.

70% Complete

Subtask 3.2: H-GAC will attend at least six (6) other local events, meetings or other occasions at which it would be appropriate to promote the project or provide education/outreach on related topics. Priority will be given to events in the watershed area, then to events likely to attract significant participation from within the watershed. Example events include the Baytown Nature Nurture Festival, meetings of local governments or community organizations (e.g., Friends of Cedar Bayou United), area Soil and Water Conservation Districts, and events sponsored by Texas AgriLife Extension. The focus of the outreach will be determined by the intended audience, but will include general watershed information, specific information on the WPP and the Partnership, information on available project and partner resources, and information of BMPs for individuals. Months 1 thru 36.

The following actions have been completed during this reporting period:

- E. H-GAC participated in Baytown's Nurture Nature festival, reaching several hundred people at the Cedar Bayou Watershed Partnership booth with message about the bayou, WQMPs, and general water quality (4/14).
- F. H-GAC project staff held educational booths and represented the bayou and other projects at regional outreach events that could reach local stakeholders, including Bay Day in Kemah (4/21), the Houston area Boy Scout Fair (4/14), and World Oceans Day in Stewart Beach (6/18).
- G. H-GAC is continuing to participate in the HCFCD on their ongoing Cedar Bayou flood reduction study.
- H. H-GAC met with TCEQ, AgriLife, and other parties regarding coastal OSSFs (multiple)
- I. H-GAC worked with TSSWCB to schedule SWCD update meetings for Q4.

91% Complete

Subtask 3.3: H-GAC will facilitate communication with stakeholders in order to engage the public and affected entities in the watershed planning process. H-GAC will utilize all appropriate communication mechanisms including direct mail, e-mail, the project website, and print media. H-GAC will develop and disseminate general project informational materials, including, but not

limited to: flyers, brochures, letters, factsheets, news releases, and other appropriate promotional publications. H-GAC will include information about the project in CRP publications. H-GAC will continue to utilize Constant Contact email service to facilitate direct discussion between stakeholders. H-GAC will solicit content matter for educational materials from Project Partners as appropriate. TSSWCB must approve all project-related content in any informational materials and promotional publications prior to distribution. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC discussed project elements with stakeholders as discussed in previous Task summaries.
- B. H-GAC publicized the events identified in previous sections to stakeholders.
- C. H-GAC coordinated with SWCD WQMP staff to publicize WQMPs in the watershed at local events. H-GAC provided outreach support, a project banner, and printed materials upon request. The SWCD WQMP technician helped H-GAC man the booth at Nurture Nature.

91% Complete

TASK 4: WPP Implementation Activities

Subtask 4.1: H-GAC will acquire a minimum of six (6) pet waste stations and related supplies and coordinate with local partners to install them in public areas with high pet traffic (e.g. Roseland Park in Baytown). Funding for this subtask will be through H-GAC local matching funds and in-kind match for the installation and maintenance of the OSSFs. Months 3 thru 36.

The following actions have been completed during this reporting period:

- A. Stations continue to be serviced by the City of Baytown.

100% Complete

Subtask 4.2: H-GAC will remediate a minimum of ten (10) failing OSSFs for low income households through repair, replacement, abandonment, or pumping³. H-GAC OSSF SEP funds will be used in conjunction with property owner contributions for this purpose. OSSFs will be located and prioritized based on coordination with area Authorized Agents and restrictions of funding sources. Priority will be given to those systems closer to contributing water bodies or urban drainage systems and level of repair needed (i.e. those most likely to contribute bacteria to the watershed), as well as any qualifying factors based on the funding sources. Month 4 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC continued to maintain an SEP for OSSFs in Cedar Bayou and other priority watersheds. The area of focus continues to be Baytown and Harris County, with most of the funds being secured from Harris County. Additional funding was received, and H-GAC discussed City of Baytown needs with City staff at a meeting on 6/20/18. One OSSF replacement was completed in this timeframe, and another initiated. H-GAC is working with the City of Baytown and Harris County to identify and address at least 8 more in clustered area(s) during Q4.

- B. H-GAC continued to update OSSF location information for this area as part of a 604(b) grant project with TCEQ, to be used to help identify potential areas for remediation projects.

40% Complete

III. Related Issues/Current Problems and Favorable or Unusual Developments

- A. H-GAC's local partners (HCFCF, GBF, et al.) have continued to be active with local efforts.
- B. Lingering impacts of Hurricane Harvey are still a heavy focus for watershed stakeholders, including the flood reduction study by HCFCF.
- C. Most remaining outreach activities are being scheduled with partners for the coming quarter(s).

IV. Projected Work for Next Quarter

Task 1. H-GAC will continue to administer the project, and complete a final project report.

Task 2. H-GAC will attend applicable local watershed meetings; H-GAC will:
meet with interested stakeholder groups as appropriate; meet with stakeholders specifically involved in OSSF identification; update the website and social media as appropriate; communicate with project partners on opportunities and coordination activities; review grant and funding sources; and collect and review CRP data.

Task 3. H-GAC will work with AgriLife and other partners to schedule and implement remaining educational activities. H-GAC will send out updates on the project via email and social media to project stakeholders as warranted.

Task 4. Continue to work with local partners to implement OSSF remediation, including recently annexed areas of the City of Baytown.

Houston-Galveston Area Council (H-GAC)

**Coordinating Implementation of the Cedar Bayou Watershed Protection Plan
FY 15 CWA 319(h)
EPA State Categorical Program Grants – Workplan Essential Elements
FY 2011-2015 EPA Strategic Plan Reference
Strategic Plan Goal – Goal 2 Protecting America's Waters
Strategic Plan Objective – Objective 2.2 Protect and Restore Watersheds and Aquatic
Ecosystems
TSSWCB Project No. 15-10**

From 7.1.2018 through 9.30.2018.

I. Abstract

H-GAC worked with TSSWCB to administer the contract this quarter with a focus on continuing implementation activities and outreach events. H-GAC maintained conversation with stakeholders involved in outreach and other BMP projects. Project staff discussed the project at several local and regional watershed related meetings, seminars and conferences. H-GAC held outreach events during the quarter, including a series of workshops for local jurisdictions on water quality and flood management. H-GAC continued to complete OSSF SEP projects and pursue additional opportunities.

II. Overall Progress and Results by Task

TASK 1: Project Administration

Subtask 1.1: *H-GAC will prepare electronic quarterly progress reports (QPRs) for submission to the TSSWCB. QPRs shall document all activities performed within a quarter and shall be submitted by the 15th of January, April, July and October. QPRs shall be distributed to all Project Partners. Months 1 thru 36.*

The following actions have been completed during this reporting period:

- A. H-GAC submitted Year 3, Quarter 4 project report for the *Coordinating Implementation of the Cedar Bayou Watershed Protection Plan* to TSSWCB on October 3, 2018.

100% Complete

Subtask 1.2: *H-GAC will perform accounting functions for project funds and will submit appropriate Reimbursement Forms to TSSWCB at least quarterly. Months 1 thru 36.*

The following actions have been completed during this reporting period:

- A. H-GAC will submit its invoice after close of books for that period, under separate cover from this report.

100% Complete (after submission)

Subtask 1.3: *H-GAC will host coordination meetings or conference calls, at least quarterly, with project partners to discuss project activities, project schedule, communication needs, deliverables,*

and other requirements. H-GAC will develop lists of action items needed following each project coordination meeting and distribute to project personnel. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC staff communicated with TSSWCB project staff regarding the project, including coordination of implementation projects and WQMP efforts on the local level.
- B. Final versions of the WPP and Executive Summary were maintained on the website and disseminated to stakeholders upon request.
- C. H-GAC will continue to support the website subsequent to contract completion.

100% Complete

Subtask 1.4: H-GAC will develop a Final Report that summarizes activities completed and conclusions reached during the project, and discusses the extent to which project goals and measures of success have been achieved. Months 34 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC completed the Draft final report, pending a conversation with TSSWCB on 10/2. H-GAC will complete any revisions after TSSWCB review.

75% Complete

TASK 2: Support, Coordinate, and Facilitate Watershed Partnership and WPP Implementation Activities

Subtask 2.1: H-GAC will serve as the Watershed Coordinator to engage and facilitate the CBWP and entities identified in the Cedar Bayou WPP. H-GAC will serve as the primary conduit for interaction with landowners, citizens, and entities to facilitate the implementation of the WPP. H-GAC shall participate in Texas Watershed Coordinator Roundtables, regional watershed coordinator groups, and related water quality groups and organizations as appropriate. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC attended and/or presented information on the project at a H-GAC Natural Resources Advisory Committee meeting (8/1), represented the watershed and other projects as part of discussions of water quality with the Galveston Bay Plan revision process, discussed this project at the Water and Sediment Quality subcommittee of GBEP (9/7), and coordinated with other specific partners as discussed in other subtask 2 entries.
- B. H-GAC discussed integration of WPP goals with local elected officials and jurisdictions as part of the Cedar Bayou Initiative workshops facilitated by H-GAC.

100% Complete

Subtask 2.2: H-GAC will facilitate public participation and stakeholder involvement in the watershed planning process, specifically by hosting meetings of the CBWP Steering Committee, at a minimum biannually, and Work Groups (as needed) to review progress, maintain stakeholder

commitment, share project progress and coordinate activities., and meeting summaries will be provided within 30 days of the meeting. H-GAC will coordinate meetings, secure meeting locations, prepare and disseminate meeting notices and agendas. All meeting materials will be reviewed by TSSWCB prior to the meetings. Meeting summaries will be prepared and posted to the project website within 30 days of the meeting date. Months 1-36.

The following actions have been completed during this reporting period:

- A. A Watershed Partnership meeting was held on 8/9/18. Project staff took feedback on current implementation tasks and worked with stakeholders on future plans.

100% Complete

Subtask 2.3: H-GAC will maintain a project website and Facebook presence updated regularly with project news and announcements. All presentations, documents and results will be posted to the website. The website and Facebook page serve as a means to disseminate information to stakeholders and the general public. Months 1-36.

The following actions have been completed during this reporting period:

- A. The project website and Facebook site were updated to advertise the events held during the quarter.

100% Complete

Subtask 2.4: H-GAC will coordinate with project partners to identify implementation status, plan implementation logistics, and facilitate communication between related efforts. H-GAC will communicate with identified partners on a quarterly basis, at a minimum. Months 1-36.

The following actions have been completed during this reporting period:

- A. H-GAC communicated with select stakeholders on several implementation tasks including:
 - 1) City of Baytown, on OSSF remediation sites; 2) Many local governments (City of Baytown, Harris County, Chambers County, City of Mont Belvieu, et al.) as part of the Cedar Bayou Initiative series of workshops on water quality and quantity planning for the watershed; 3) Jimmy Weaver/Trinity SWCD in updating status of WQMP implementation; 4) with the HCFCF on their flood reduction study for the Bayou, 5) with Mont Belvieu, discussing low impact development opportunities in the watershed, 6) with TCEQ and AgriLife on efforts to address coastal OSSFs, 7) With the Harris County Soil and Water Conservation District on implementation of the project; 8) With the USDA NRCS as part of a local working group meeting to define conservation program priorities; and 9) various regional groups as part of Clean Rivers Program, TMDL (Basin 13), and other studies.

100% Complete

Subtask 2.5: H-GAC will assist governmental and non-governmental organizations in the Cedar Bayou watershed in identification and acquisition of resources (financial and technical) to assist with WPP implementation. H-GAC will actively seek and pursue funding opportunities and work with partners to develop grant proposals. H-GAC will work with state and federal agencies, as appropriate, to bring technical and financial resources to the watershed. Months 1-24.

The following actions have been completed during this reporting period:

- A. H-GAC continued to work with the Gulf-Houston Regional Conservation Plan group (via Houston Wilderness) to represent Cedar Bayou projects in their Plan and related grant proposals.
- B. H-GAC has reviewed grants on a regular basis for this and other WPP projects. H-GAC filed a 319 grant proposal with TSSWCB that includes Cedar Bayou as an implementation watershed, and is currently reviewing other potential governmental, corporate, and SEP funding resource opportunities.
- C. H-GAC coordinated with the Harris County Flood Control District on their flood risk reduction study for Cedar Bayou and with the governments of the watershed on the Cedar Bayou Initiative. The Initiative sought, among other things, to identify funding for regional prioritized projects for Cedar Bayou, including ongoing implementation of the WPP.
- D. H-GAC continued to maintain an OSSF Supplemental Environmental Project (SEP) during this quarter, to serve this and other priority watersheds. One project was completed and several others are under review.
- E. H-GAC met and communicated with the City of Mont Belvieu on several occasions about to deliver H-GAC support for developing LID recommendations with a focus on water quality. H-GAC is continuing to work with the City and their existing contractor to assist the City in this task.

100% Complete

Subtask 2.6: H-GAC will 1) evaluate and track progress toward achieving milestones established in the WPP; and 2) assess water quality data collected through the CRP and other data collection efforts in relation to achieving load reductions. H-GAC will identify any trends in the data and communicate these findings with the CBWP. Stream Team data will be reviewed for identifying localized issues, but will not be included in formal evaluations. Months 1-36.

The following actions have been completed during this reporting period:

- A. H-GAC has continued to track programmatic milestones internally and as part of these QPRs, as discussed in the Final Report.
- B. H-GAC CRP has continued to collect water quality samples at 4 sites in the watershed, and continued to promote Stream Team volunteers in the watershed. Related efforts under other projects (H-GAC's 604b WQMP project, etc.) to evaluate wastewater infrastructure, SSO and DMR data, and OSSF locations for the region were completed and additional data was developed for the current H-GAC Clean Rivers Program Basin Highlights Report and will be reviewed with the CBWP at an upcoming meeting. H-GAC worked with TCEQ NPS and AgriLife to coordinate activities on identifying and addressing OSSFs in the CMZ, including Cedar Bayou watershed as a priority area for our region.

100% Complete

TASK 3: Conduct and Coordinate Water Resources and Related Environmental Education and Outreach Activities

Subtask 3.1: H-GAC will coordinate and conduct water resources and related environmental outreach/education efforts across the watershed, as identified in the Cedar Bayou WPP. H-GAC will work with watershed partners to hold a series of outreach and education events in the watershed area to further the aims of implementation activities. Events will include, but not be limited to, at least: one (1) Feral Hog Workshop, one (1) OSSF training event, one (1) agricultural producer's workshop; one (1) school educational program, and one (1) Texas Well Owner Network training. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC held a second 4-hour OSSF education event in Mont Belvieu on 5/5/18, that included local city staff and homeowners.
- B. H-GAC project staff worked with AgriLife to continue to try to schedule a Feral Hog workshop or gain approval to hold our own (TBD)
- C. H-GAC worked with TSSWCB and S&WCD staff on planning the agricultural workshop. A venue issue led to the delay of the workshop to late October/early November (TBD).
- D. H-GAC held a series of three workshops (the last to conclude subsequent to this report) for the Cedar Bayou Initiative, a project to combine water quality and water quantity/flooding discussions to identify and support priority projects in the watershed. Attendees included local governments, industry, and related groups.

90% Complete

Subtask 3.2: H-GAC will attend at least six (6) other local events, meetings or other occasions at which it would be appropriate to promote the project or provide education/outreach on related topics. Priority will be given to events in the watershed area, then to events likely to attract significant participation from within the watershed. Example events include the Baytown Nature Nurture Festival, meetings of local governments or community organizations (e.g., Friends of Cedar Bayou United), area Soil and Water Conservation Districts, and events sponsored by Texas AgriLife Extension. The focus of the outreach will be determined by the intended audience, but will include general watershed information, specific information on the WPP and the Partnership, information on available project and partner resources, and information of BMPs for individuals. Months 1 thru 36.

The following actions have been completed during this reporting period:

- E. H-GAC participated in Harris County S&WCD meeting on 7/6/18.
- F. H-GAC participated in the 8/3 Harris County USDA NRCS local working group meeting to prioritize conservation program priorities.
- G. H-GAC is continuing to participate in the HCFCD on their ongoing Cedar Bayou flood reduction study.

100% Complete

Subtask 3.3: H-GAC will facilitate communication with stakeholders in order to engage the public and affected entities in the watershed planning process. H-GAC will utilize all appropriate communication mechanisms including direct mail, e-mail, the project website, and print media. H-GAC will develop and disseminate general project informational materials, including, but not limited to: flyers, brochures, letters, factsheets, news releases, and other appropriate promotional publications. H-GAC will include information about the project in CRP publications. H-GAC will continue to utilize Constant Contact email service to facilitate direct discussion between stakeholders. H-GAC will solicit content matter for educational materials from Project Partners as appropriate. TSSWCB must approve all project-related content in any informational materials and promotional publications prior to distribution. Months 1 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC discussed project elements with stakeholders as discussed in previous Task summaries.
- B. H-GAC publicized the events identified in previous sections to stakeholders.
- C. H-GAC met and presented to the Clean Rivers Program steering committee about watershed projects (including Cedar) and the need and use of CRP data for watershed efforts.

100% Complete

TASK 4: WPP Implementation Activities

Subtask 4.1: H-GAC will acquire a minimum of six (6) pet waste stations and related supplies and coordinate with local partners to install them in public areas with high pet traffic (e.g. Roseland Park in Baytown). Funding for this subtask will be through H-GAC local matching funds and in-kind match for the installation and maintenance of the OSSFs. Months 3 thru 36.

The following actions have been completed during this reporting period:

- A. Stations continue to be serviced by the City of Baytown.

100% Complete

Subtask 4.2: H-GAC will remediate a minimum of ten (10) failing OSSFs for low income households through repair, replacement, abandonment, or pumping³. H-GAC OSSF SEP funds will be used in conjunction with property owner contributions for this purpose. OSSFs will be located and prioritized based on coordination with area Authorized Agents and restrictions of funding sources. Priority will be given to those systems closer to contributing water bodies or urban drainage systems and level of repair needed (i.e. those most likely to contribute bacteria to the watershed), as well as any qualifying factors based on the funding sources. Month 4 thru 36.

The following actions have been completed during this reporting period:

- A. H-GAC continued to maintain an SEP for OSSFs in Cedar Bayou and other priority watersheds. The area of focus continues to be Baytown and Harris County, with most of the funds being secured from Harris County. Additional funding was received, and H-GAC discussed City of Baytown needs again following conversations in Q3. One OSSF replacement was completed in this timeframe, and several others are in review. H-GAC is

working with the City of Baytown and Harris County to identify and address more in clustered area(s) during Q4. H-GAC and TSSWCB projects staff discussed continuing the OSSF remediation process after the end of the contract.

- B. H-GAC continued to update OSSF location information for this area as part of a 604(b) grant project with TCEQ, to be used to help identify potential areas for remediation projects.

40% Complete

III. Related Issues/Current Problems and Favorable or Unusual Developments

- A. H-GAC's local partners (HCFCD, GBF, et al.) have continued to be active with local efforts.
- B. With initial leadership from Chambers County, the various governments and industry in the Cedar Bayou watershed asked H-GAC to facilitate a series of discussions about identifying and supporting priority water quality and water quantity/flooding projects in the watershed. These additional workshops provided a valuable opportunity to tie the WPP to other water related efforts and increase its prominence with local leaders.
- C. Lingering impacts of Hurricane Harvey are still a heavy focus for watershed stakeholders, including the flood reduction study by HCFCD. The HCFCD bond passed, meaning several projects (14 in total) in the Cedar Bayou watershed will receive funding and initiate in the coming years.
- D. H-GAC discussed changes in workshops and the OSSF task with TSSWCB via conference call.

IV. Projected Work for Next Quarter

Task 1. H-GAC will finalize project documentation and invoicing and make any revisions requested for the Final Report.

Task 2. H-GAC will continue to be active in the watershed as part of other project efforts to support the WPP and broader planning in the area.

Task 3. H-GAC will work with TSSWCB and other agency staff to hold the agricultural workshop early in Q1.

Task 4. Continue to work with local partners to implement OSSF remediation.