

## Quarterly Progress Report

FY18 Q1

Entity: Houston-Galveston Area Council (H-GAC)

Contract No: 582-15-56349

Project Name: West Fork San Jacinto & Lake Creek WPP and Spring Creek &  
Cypress Creek Watershed Characterization

Date Submitted: 12/14/17

Contractor Project Manager: Justin Bower

Approval Signature



Date 1/18/17

TCEQ Project Manager: Jessica Uramkin

Approval\* Signature:



Date: 1/26/18

\* The TCEQ Project Manager's signature indicates that the QPR is accepted as a project deliverable and also authorizes any changes in deliverable due dates requested in the Deliverables sheet. Approved due date changes should be inserted in the "Current Due Date" column in the next QPR.

QPRs are due to the TCEQ Project Manager by the 15th of the month following each fiscal quarter. Specifically these dates are December 15th, March 15th, June 15th, and September 15th. Fill out appropriate areas and:

1. When ready to submit the QPR to TCEQ, the Contractor Project Manager must date and sign the cover page with an electronic signature (i.e., scanned signature). Send the signed Excel document to the TCEQ Project Manager.
2. The TCEQ Project Manager will review and either: 1) Send back with comments or 2) approve, sign, date, and e-mail a scanned copy of the approved QPR to the Contractor Project Manager.
3. After addressing comments email the updated Excel document the TCEQ Project Manager, along with a new date next to the electronic signature.
4. The TCEQ Project Manager will sign, date, scan and send the approved QPR to the Contractor Project Manager. A final version of the Excel document will also be sent.

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4484	1.2	QPR (FY15Q4)	9/15/2015	09/15/15		
4485	1.2	QPR (FY16Q1)	12/15/2015	12/15/15		
4486	1.2	QPR (FY16Q2)	3/15/2016	3/15/2016		
4487	1.2	QPR (FY16Q3)	6/15/2016	06/15/16		
4488	1.2	QPR (FY16Q4)	9/15/2016	09/15/16		
4489	1.2	QPR (FY17Q1)	12/15/2016	12/15/16		
4490	1.2	QPR (FY17Q2)	3/15/2017	03/15/17		
4491	1.2	QPR (FY17Q3)	6/15/2017	06/15/17		
4492	1.2	QPR (FY17Q4)	9/15/2017	09/15/17		
4493	1.2	QPR (FY18Q1)	12/15/2017	12/14/17	QPR submitted.	
4494	1.2	QPR (FY18Q2)	3/15/2018			
4495	1.2	QPR (FY18Q3)	6/15/2018			
4496	1.2	QPR (FY18Q4)	9/15/2018			
4497	1.3	Invoice (FY15Q4)	9/30/2015	Various		
4498	1.3	Invoice (FY16Q1)	12/30/2015	12/30/15		
4499	1.3	Invoice (FY16Q2)	3/30/2016	03/30/16		
4500	1.3	Invoice (FY16Q3)	6/30/2016	06/30/16		
4501	1.3	Invoice (FY16Q4)	9/30/2016	09/30/16		
4502	1.3	Invoice (FY17Q1)	12/30/2016	12/21/16		
4503	1.3	Invoice (FY17Q2)	3/30/2017	Various		
4504	1.3	Invoice (FY17Q3)	6/30/2017	06/30/17		
4505	1.3	Invoice (FY17Q4)	9/30/2017	10/16/17		
4506	1.3	Invoice (FY18Q1)	12/30/2017	01/11/18	to be submitted prior to due date	
4507	1.3	Invoice (FY18Q2)	3/30/2018			
4508	1.3	Invoice (FY18Q3)	6/30/2018			
4509	1.3	Invoice (FY18Q4)	9/30/2018			
4510	1.4	Post-Award Mtg	8/22/2015	08/19/15		
4511	1.4	Quarterly Call (FY16Q1)	11/30/2015	10/28/15		
4512	1.4	Quarterly Call (FY16Q2)	2/29/2016	01/25/16		

If a deliverable <u>is</u> or <u>will be</u> late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.						
ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4513	1.4	Quarterly Call (FY16Q3)	5/31/2016	04/27/16		
4514	1.4	Quarterly Call (FY16Q4)	8/31/2016	08/02/16		
4515	1.4	Quarterly Call (FY17Q1)	11/30/2016	11/14/16		
4516	1.4	Quarterly Call (FY17Q2)	2/28/2017	02/06/17		
4517	1.4	Quarterly Call (FY17Q3)	5/31/2017	04/03/17		
4518	1.4	Quarterly Call (FY17Q4)	8/31/2017	07/24/17		
4519	1.4	Quarterly Call (FY18Q1)	11/30/2017	11/09/17	Quarterly call held and minutes disseminated.	
4520	1.4	Quarterly Call (FY18Q2)	2/28/2018			
4521	1.4	Quarterly Call (FY18Q3)	5/31/2018			
4522	1.4	Quarterly Call (FY18Q4)	8/31/2018			
4523	1.4	Contract Closeout Strategy	11/30/2017	Various	Submitted closeout strategy/revisions, under discussion with TCEQ PM in coordination with anticipated contract amendment.	
4524	2.1	QAPP Planning Meeting	8/22/2015	08/19/15		
4525	2.2	Draft Data Acquisition QAPP	11/30/2015	Various		
4526	2.2	Final Data Acquisition QAPP	2/29/2016	Various	(combined with Modeling QAPP)	
4527	2.3	Draft Modeling QAPP	11/30/2015	Various		
4528	2.3	Final Modeling QAPP	2/29/2016	Various	Amendment approved and disseminated as of 1/10/17.	
4529	2.4	Data Acquisition QAPP Annual Review	2/28/2017	Various	This QAPP is combined with the modeling QAPP. Amendment approved and disseminated as of 1/10/17.	
4530	2.4	Data Acquisition QAPP Annual Review	2/28/2018			
4531	2.4	Modeling QAPP Annual Review	12/8/2016	12/8/2016	(Annual review dates amended per TCEQ PM)	
4532	2.4	Modeling QAPP Annual Review	12/8/2017	12/14/2017	(Annual review dates amended per TCEQ PM)	

If a deliverable <u>is</u> or <u>will be</u> late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.						
ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4966	3.1	16Q2 Data Acquisition (documented in QPRs)	3/15/2016	03/15/16		
4967	3.1	16Q3 Data Acquisition (documented in QPRs)	6/15/2016	6/15/2016		
4968	3.2	16Q3 Trends Analysis (documented in QPR)	6/15/2016	08/02/16		
4969	3.2	16Q4 Trends Analysis (documented in QPR)	9/15/2016	10/04/16		
4970	3.2	17Q1 Trends Analysis (documented in QPR)	12/15/2016	12/15/16		
4971	3.2	17Q2 Trends Analysis (documented in QPR)	3/15/2017	3/15/2017		
4533	3.3	Draft Acquired Modeling Data Report	5/31/2016	08/02/16		
4534	3.3	Final Acquired Modeling Data Report	8/31/2016	08/05/16		
4535	3.4	Draft Data Collection and Trends Analysis Report	2/28/2017	05/08/17		
4536	3.4	Final Data Collection and Trends Analysis Report	5/31/2017	05/22/17		
4537	4.1	Modeling Methodology Description Analysis	2/29/2016	03/15/16		
4538	4.2	Updated Load Duration Curves	5/31/2017	05/31/17	Preliminary LDCs completed and feedback received. Additional LDC work completed subsequent to QAPP amendment.	
4539	4.3	SELECT Modeling	5/31/2017	05/11/17	Revised SELECT assumptions presented to, and agreed upon, by stakeholders at 5/11/17 meeting.	
4540	4.4	Modeling Support Document	2/28/2017	03/03/17		
4541	4.5	Draft Modeling Report	10/15/2017	10/26/17		

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4542	4.5	Final Modeling Report	12/15/2017	11/29/17		
4543	5.1	Public Participation Plan	2/29/2016	03/09/16		
4544	5.2	Stakeholder Contact List, in QPR	9/15/2015	09/30/15		
4545	5.2	Stakeholder Contact List, in QPR	12/15/2015	03/28/16		
4546	5.2	Stakeholder Contact List, in QPR	3/15/2016	03/15/16		
4547	5.2	Stakeholder Contact List, in QPR	6/15/2016	06/15/16		
4548	5.2	Stakeholder Contact List, in QPR	9/15/2016	09/15/16		
4549	5.2	Stakeholder Contact List, in QPR	12/15/2016	12/15/16		
4550	5.2	Stakeholder Contact List, in QPR	3/15/2017	03/15/17		
4551	5.2	Stakeholder Contact List, in QPR	6/15/2017	06/15/17		
4552	5.2	Stakeholder Contact List, in QPR	9/15/2017	09/15/17		
4553	5.2	Stakeholder Contact List, in QPR	12/15/2017	12/14/17	Included list with QPR	
4554	5.2	Stakeholder Contact List, in QPR	3/15/2018			
4555	5.2	Stakeholder Contact List, in QPR	6/15/2018			
4556	5.2	Stakeholder Contact List, in QPR	9/15/2018			
4557	5.3	Documentation of Stakeholder Communication	8/31/2015	09/15/15		
4558	5.3	Documentation of Stakeholder Communication	11/30/2015	03/28/16		
4559	5.3	Documentation of Stakeholder Communication	2/19/2016	03/15/16		
4560	5.3	Documentation of Stakeholder Communication	5/31/2016	06/15/16		
4561	5.3	Documentation of Stakeholder Communication	8/31/2016	09/15/16		
4562	5.3	Documentation of Stakeholder Communication	11/30/2016	12/15/16		
4563	5.3	Documentation of Stakeholder Communication	2/28/2017	3/15/2017		

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4564	5.3	Documentation of Stakeholder Communication	5/31/2017	06/15/17		
4565	5.3	Documentation of Stakeholder Communication	8/31/2017	09/15/17		
4566	5.3	Documentation of Stakeholder Communication	11/30/3017	12/14/17	Documentation attached with QPR packet.	
4567	5.3	Documentation of Stakeholder Communication	2/28/2018			
4568	5.3	Documentation of Stakeholder Communication	5/31/2018			
4569	5.3	Documentation of Stakeholder Communication	8/31/2018			
4570	5.4	Stakeholder Meeting	11/30/2015	Various		
4571	5.4	Stakeholder Meeting	2/19/2016	Various		
4572	5.4	Stakeholder Meeting	5/31/2016	05/05/16		
4573	5.4	Stakeholder Meeting	8/31/2016	7/28/2016		
4574	5.4	Stakeholder Meeting	11/30/2016	10/4/2016, 11/16/16		
4575	5.4	Stakeholder Meeting	2/28/2017	03/09/17		
4576	5.4	Stakeholder Meeting	5/31/2017	05/11/17		
4577	5.4	Stakeholder Meeting	8/31/2017	08/24/17		

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4578	5.4	Stakeholder Meeting	11/30/3017	12/12/17	Meeting materials to be forwarded under separate cover after completion of minutes.	
4579	5.4	Stakeholder Meeting	2/28/2018			
4580	5.4	Stakeholder Meeting	5/31/2018			
4581	5.4	Stakeholder Meeting	8/31/2018			
4582	5.5	Summary of Public Meetings Attended	5/31/2016	06/15/16		
4583	5.5	Summary of Public Meetings Attended	8/31/2016	09/15/16		
4584	5.5	Summary of Public Meetings Attended	2/28/2017	03/15/17		
4585	5.5	Summary of Public Meetings Attended	8/31/2017	09/15/17	Documentation attached with QPR packet.	
4586	5.5	Summary of Public Meetings Attended	2/28/2018			
4587	5.5	Summary of Public Meetings Attended	8/31/2018			
4972	6.1	Draft WPP Outline	12/31/2015	Various		
4973	6.1	Final WPP Outline	1/31/2016	1/20/2016		
4588	6.1	Draft 9-element WPP to Stakeholders	3/15/2018		Date amended per discussion with TCEQ PM.	
4589	6.1	Draft 9-element WPP to TCEQ	3/15/2018		Date amended per discussion with TCEQ PM.	
4590	6.1	Draft 9-element WPP to EPA	5/31/2018			
4591	6.1	Response to Stakeholder Comments	6/15/2018			
4592	6.1	Response to TCEQ Comments	4/30/2018			
4593	6.1	Response to EPA Comments	6/30/2018			
4594	6.1	Final WPP	7/31/2018			

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4595	6.1	Documentation of Stakeholder Approval	8/31/2018			
4596	6.2	Executive Summary	2/28/2018			
4597	6.3	Documentation of Final WPP and ES Distribution	8/31/2018			
4598	7.1	Draft Final Report	6/30/2018			
4599	7.2	Address TCEQ Comments	7/31/2018			
4600	7.2	Final Report	8/31/2018			



Task/Issue	Additional Description of Quarterly Activities, Milestones, and Issues
1-Project Administration	H-GAC continued to work with TCEQ and GBEP on developing project efforts. QPR submitted 12/14/17. Quarterly communication held with TCEQ and GBEP PMs per deliverable. H-GAC continued work with the Galveston Bay Estuary program on matching grant. H-GAC discussed a no-cost extension through a portion of FY2019 to support early implementation and expend remaining funds.
2-Quality Assurance	QAPP was implemented as approved. An annual certification was submitted immediately after the end of the quarter. Modeling staff received additional training in Colorado to assist in ensuring quality land cover data use.
3-Water Quality Data	CRP data collection efforts, including 24-hour DO at various locations, continued during this quarter. All ambient sampling sites were sampled as scheduled during this quarter. Staff continued to review water quality data collected through CRP, and to use data as part of ongoing general assessment.
4-Modeling	H-GAC finalized SELECT for the WPP areas, and continued to work on the characterization study (1008, 1009) areas. Staff discussed revised modeling timelines with TCEQ PMs. H-GAC's lead modeler attended a training in Colorado to further our capacity to use and assess land cover data utilizing remote sensing techniques.
5-Stakeholder Outreach	H-GAC presented about the project at a variety of meetings in and out of the watershed including the GBEP Water and Sediment Quality subcommittee, H-GAC's Natural Resources Advisory Committee, and various internal H-GAC meetings, as documented in the stakeholder contact document. Specific meetings of interest were the 9/21 GBEP WSQ meeting, various calls/meetings with the Houston Wilderness Regional Conservation Plan group in which riparian forests in watershed areas were promoted by H-GAC, the 11/2 Natural Resources Advisory Committee meeting, an 11/9 webinar held for agricultural producers by H-GAC and USDA FSA about Harvey recovery resources, manning a project booth at the 11/18 Woodforest WoFo Wildlife Jam festival, a Partnership meeting on 12/12, and manning a booth for this (and other WPPs) project as part of the Bayou Preservation Association Symposium. Staff updated the website and Facebook during this time frame. Additional information on stakeholder contact is available in the Stakeholder contact documentation included with this QPR packet.
6-WPP Development	H-GAC staff continued to work on early chapters for later review by TCEQ and stakeholders, including first chapter texts, bacteria source assessment text, and modeling summary text.
7-Final Report	No activity during this quarter.

Note: The purpose of this sheet is to provide for an ongoing discussion of tasks to document overall progress and to raise any overall issues that don't relate to specific deliverables.

Note: Please address activities and issues related to contract amendments, budget revisions, and other administrative matters under Task 1.

EPA WBP Element	Additional Description of Quarterly Activities, Milestones, and Issues
a - ID of Pollutant Sources	Pollutant source id for WPP complete (bacteria). Bacteria source assessment for characterizations and nutrient modeling ongoing.
b - Load Reductions	Final load reduction targets identified with stakeholders for bacteria in WPP area. Load reduction assessment for characterization areas ongoing.
c - Management Measures	H-GAC has worked with local partners to further several efforts including planning for the use of OSSF SEP funds with Montgomery County, providing OSSF data for various partners, and compiling a list of preliminary BMPs with the Partnership.
d - Implementation Resources Needed	H-GAC continued the discussion of existing and proposed solutions in the watershed, with general discussion of levels of resources available.
e - Education & Outreach	Staff coordinated with local partners on various upcoming education and outreach projects, including planning for a (rescheduled) Texas Stream Team training, planning for SEP implementation in the project area; representing the project and others as part of the Galveston Bay Plan revision process highlighting WPPs for water quality; and coordinating stakeholder facilitation with other area projects including the Houston Area Urban Forests initiative (in addition to elements noted in the Narrative tab and accompanying documentation).
f - Schedule for Implementing Management Measures	Project stakeholders began discussion of timelines for implementation at the 12/12/17 Partnership meeting direct after the end of the quarter.
g - Interim Measurable Milestones for Implementation	No action taken this quarter.
h - Criteria for Evaluating Plan Success	Project staff discussed criteria with the stakeholders as part of the decisions concerning where bacteria will be monitored and assessed going forward. This discussion will be completed in Q2FY18.
i - Implementation Effectiveness Monitoring	Project staff discussed criteria with the stakeholders as part of the decisions concerning where bacteria will be monitored and assessed going forward. This discussion is reflected in the Bacteria Monitoring Report, but will be further discussed for nutrient and potential biased sampling recommendations as part of the WPP in Q2.

Note: The purpose of this sheet is to provide for an ongoing discussion of tasks to document overall progress and to raise any overall issues that don't relate to specific deliverables.

Please provide a listing of deliverables provided along with the QPR, and delete attachment references from prior quarters. Reference the "Deliverables Report" to get the Deliverable ID, Subtask #, and Deliverable Name.

[illegible]

Describe any current or anticipated changes to the project budget.			
Match Amount:	\$ 303,600.00	Total Match as of this Report:	160,546.93
Federal Amount:	\$ 455,400.00	Total Federal Paid as of this Report:	240,820.40
Total Contract Amount:	\$ 759,000.00	Total Paid as of this Report:	401,367.33
		Balance:	\$143,053.07
		Balance:	\$214,579.60
		Balance:	\$357,632.67

## Current Budget Estimates by FY:

	Match	Federal
FY15:	\$ 8,535.13	\$ 12,802.69
FY16:	\$ 60,145.92	\$ 90,218.88
FY17:	\$ 70,250.65	\$ 105,375.97
FY18:	\$ 73,299.97	\$ 109,949.95
FY19	\$ 91,368.34	\$ 137,052.51
Total:	\$ 303,600.00	\$ 455,400.00

## Current FY Quarterly Spending:

Include estimated invoice for this quarter

	Match	Federal
Q1:	\$ 21,615.24	\$ 32,422.86
Q2:		
Q3:		
Q4:		
Total:	\$21,615.24	\$32,422.86

Has the total budget for this fiscal year changed by more than 10% (Yes/No)?

Yes

If so, provide new budget by fiscal year estimates and justification for the change in the table below.

## New Budget by FY:

	Match	Federal	Justification
FY18:	\$ 73,229.97	\$ 109,949.95	Stakeholder revisions processes on model runs and loading estimation phases were less extensive than anticipated. Appreciably less staff time was needed to complete preliminary modeling activities than anticipated. Additionally, project staff realized general efficiencies beyond expectations.
FY19:	\$ 91,368.34	\$ 137,052.51	(Anticipated based on proposed amendment)
Totals:	\$ 164,598.31	\$ 247,002.46	

Are all major deliverables on schedule (Yes/No)?

No

If no, provide an explanation below of the impact this will have on spending.

discussions with the TCEQ PM, but should not impact FY spending for 2018. In anticipation of an amendment granting an extended period, further use of a

## Quarterly Progress Report

FY18 Q2

Entity: Houston-Galveston Area Council (H-GAC)

Contract No: 582-15-56349

Project Name: West Fork San Jacinto & Lake Creek WPP and Spring Creek &  
Cypress Creek Watershed Characterization

Date Submitted: 3/19/18

Contractor Project Manager: Justin Bower

Approval Signature:



Date: 4/23/18

TCEQ Project Manager: Jessica Uramkin

Approval\* Signature:



Date: 4/23/18

\* The TCEQ Project Manager's signature indicates that the QPR is accepted as a project deliverable and also authorizes any changes in deliverable due dates requested in the Deliverables sheet. Approved due date changes should be inserted in the "Current Due Date" column in the next QPR.

QPRs are due to the TCEQ Project Manager by the 15th of the month following each fiscal quarter. Specifically these dates are December 15th, March 15th, June 15th, and September 15th. Fill out appropriate areas and:

1. When ready to submit the QPR to TCEQ, the Contractor Project Manager must date and sign the cover page with an electronic signature (i.e., scanned signature). Send the signed Excel document to the TCEQ Project Manager.
2. The TCEQ Project Manager will review and either: 1) Send back with comments or 2) approve, sign, date, and e-mail a scanned copy of the approved QPR to the Contractor Project Manager.
3. After addressing comments email the updated Excel document the TCEQ Project Manager, along with a new date next to the electronic signature.
4. The TCEQ Project Manager will sign, date, scan and send the approved QPR to the Contractor Project Manager. A final version of the Excel document will also be sent.

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4484	1.2	QPR (FY15Q4)	9/15/2015	09/15/15		
4485	1.2	QPR (FY16Q1)	12/15/2015	12/15/15		
4486	1.2	QPR (FY16Q2)	3/15/2016	3/15/2016		
4487	1.2	QPR (FY16Q3)	6/15/2016	06/15/16		
4488	1.2	QPR (FY16Q4)	9/15/2016	09/15/16		
4489	1.2	QPR (FY17Q1)	12/15/2016	12/15/16		
4490	1.2	QPR (FY17Q2)	3/15/2017	03/15/17		
4491	1.2	QPR (FY17Q3)	6/15/2017	06/15/17		
4492	1.2	QPR (FY17Q4)	9/15/2017	09/15/17		
4493	1.2	QPR (FY18Q1)	12/15/2017	12/14/17		
4494	1.2	QPR (FY18Q2)	3/15/2018	03/19/18	QPR submitted.	3/19/2018
4495	1.2	QPR (FY18Q3)	6/15/2018			
4496	1.2	QPR (FY18Q4)	9/15/2018			
4497	1.3	Invoice (FY15Q4)	9/30/2015	Various		
4498	1.3	Invoice (FY16Q1)	12/30/2015	12/30/15		
4499	1.3	Invoice (FY16Q2)	3/30/2016	03/30/16		
4500	1.3	Invoice (FY16Q3)	6/30/2016	06/30/16		
4501	1.3	Invoice (FY16Q4)	9/30/2016	09/30/16		
4502	1.3	Invoice (FY17Q1)	12/30/2016	12/21/16		
4503	1.3	Invoice (FY17Q2)	3/30/2017	Various		
4504	1.3	Invoice (FY17Q3)	6/30/2017	06/30/17		
4505	1.3	Invoice (FY17Q4)	9/30/2017	10/16/17		
4506	1.3	Invoice (FY18Q1)	12/30/2017	01/11/18		
4507	1.3	Invoice (FY18Q2)	3/30/2018	03/30/18	to be submitted prior to due date	
4508	1.3	Invoice (FY18Q3)	6/30/2018			
4509	1.3	Invoice (FY18Q4)	9/30/2018			
4510	1.4	Post-Award Mtg	8/22/2015	08/19/15		
4511	1.4	Quarterly Call (FY16Q1)	11/30/2015	10/28/15		
4512	1.4	Quarterly Call (FY16Q2)	2/29/2016	01/25/16		

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4513	1.4	Quarterly Call (FY16Q3)	5/31/2016	04/27/16		
4514	1.4	Quarterly Call (FY16Q4)	8/31/2016	08/02/16		
4515	1.4	Quarterly Call (FY17Q1)	11/30/2016	11/14/16		
4516	1.4	Quarterly Call (FY17Q2)	2/28/2017	02/06/17		
4517	1.4	Quarterly Call (FY17Q3)	5/31/2017	04/03/17		
4518	1.4	Quarterly Call (FY17Q4)	8/31/2017	07/24/17		
4519	1.4	Quarterly Call (FY18Q1)	11/30/2017	11/09/17		
4520	1.4	Quarterly Call (FY18Q2)	2/28/2018	02/06/18	Quarterly call held and minutes disseminated.	
4521	1.4	Quarterly Call (FY18Q3)	5/31/2018			
4522	1.4	Quarterly Call (FY18Q4)	8/31/2018			
4523	1.4	Contract Closeout Strategy	11/30/2017	Various	Submitted closeout strategy/revisions, under discussion with TCEQ PM in coordination with anticipated contract amendment.	
4524	2.1	QAPP Planning Meeting	8/22/2015	08/19/15		
4525	2.2	Draft Data Acquisition QAPP	11/30/2015	Various		
4526	2.2	Final Data Acquisition QAPP	2/29/2016	Various	(combined with Modeling QAPP)	
4527	2.3	Draft Modeling QAPP	11/30/2015	Various		
4528	2.3	Final Modeling QAPP	2/29/2016	Various	Amendment approved and disseminated as of 1/10/17.	
4529	2.4	Data Acquisition QAPP Annual Review	2/28/2017	Various	This QAPP is combined with the modeling QAPP. Amendment approved and disseminated as of 1/10/17.	
4530	2.4	Data Acquisition QAPP Annual Review	2/28/2018	Various	This QAPP is combined with the modeling QAPP. Amendment approved and disseminated as of 1/10/17.	
4531	2.4	Modeling QAPP Annual Review	12/8/2016	12/8/2016	(Annual review dates amended per TCEQ PM)	



If a deliverable <u>is</u> or <u>will be</u> late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.						
ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4532	2.4	Modeling QAPP Annual Review	12/8/2017	12/14/2017	(Annual review dates amended per TCEQ PM)	
4966	3.1	16Q2 Data Acquisition (documented in QPRs)	3/15/2016	03/15/16		
4967	3.1	16Q3 Data Acquisition (documented in QPRs)	6/15/2016	6/15/2016		
4968	3.2	16Q3 Trends Analysis (documented in QPR)	6/15/2016	08/02/16		
4969	3.2	16Q4 Trends Analysis (documented in QPR)	9/15/2016	10/04/16		
4970	3.2	17Q1 Trends Analysis (documented in QPR)	12/15/2016	12/15/16		
4971	3.2	17Q2 Trends Analysis (documented in QPR)	3/15/2017	3/15/2017		
4533	3.3	Draft Acquired Modeling Data Report	5/31/2016	08/02/16		
4534	3.3	Final Acquired Modeling Data Report	8/31/2016	08/05/16		
4535	3.4	Draft Data Collection and Trends Analysis Report	2/28/2017	05/08/17		
4536	3.4	Final Data Collection and Trends Analysis Report	5/31/2017	05/22/17		
4537	4.1	Modeling Methodology Description Analysis	2/29/2016	03/15/16		
4538	4.2	Updated Load Duration Curves	5/31/2017	05/31/17	Preliminary LDCs completed and feedback received. Additional LDC work completed subsequent to QAPP amendment.	
4539	4.3	SELECT Modeling	5/31/2017	05/11/17	Revised SELECT assumptions presented to, and agreed upon, by stakeholders at 5/11/17 meeting.	

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4540	4.4	Modeling Support Document	2/28/2017	03/03/17		
4541	4.5	Draft Modeling Report	10/15/2017	10/26/17		
4542	4.5	Final Modeling Report	12/15/2017	11/29/17		
4543	5.1	Public Participation Plan	2/29/2016	03/09/16		
4544	5.2	Stakeholder Contact List, in QPR	9/15/2015	09/30/15		
4545	5.2	Stakeholder Contact List, in QPR	12/15/2015	03/28/16		
4546	5.2	Stakeholder Contact List, in QPR	3/15/2016	03/15/16		
4547	5.2	Stakeholder Contact List, in QPR	6/15/2016	06/15/16		
4548	5.2	Stakeholder Contact List, in QPR	9/15/2016	09/15/16		
4549	5.2	Stakeholder Contact List, in QPR	12/15/2016	12/15/16		
4550	5.2	Stakeholder Contact List, in QPR	3/15/2017	03/15/17		
4551	5.2	Stakeholder Contact List, in QPR	6/15/2017	06/15/17		
4552	5.2	Stakeholder Contact List, in QPR	9/15/2017	09/15/17		
4553	5.2	Stakeholder Contact List, in QPR	12/15/2017	12/14/17	Included list with QPR	
4554	5.2	Stakeholder Contact List, in QPR	3/15/2018	03/19/18	Included list with QPR	3/19/2018
4555	5.2	Stakeholder Contact List, in QPR	6/15/2018			
4556	5.2	Stakeholder Contact List, in QPR	9/15/2018			
4557	5.3	Documentation of Stakeholder Communication	8/31/2015	09/15/15		
4558	5.3	Documentation of Stakeholder Communication	11/30/2015	03/28/16		
4559	5.3	Documentation of Stakeholder Communication	2/19/2016	03/15/16		
4560	5.3	Documentation of Stakeholder Communication	5/31/2016	06/15/16		
4561	5.3	Documentation of Stakeholder Communication	8/31/2016	09/15/16		
4562	5.3	Documentation of Stakeholder Communication	11/30/2016	12/15/16		

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4563	5.3	Documentation of Stakeholder Communication	2/28/2017	3/15/2017		
4564	5.3	Documentation of Stakeholder Communication	5/31/2017	06/15/17		
4565	5.3	Documentation of Stakeholder Communication	8/31/2017	09/15/17		
4566	5.3	Documentation of Stakeholder Communication	11/30/3017	12/14/17		
4567	5.3	Documentation of Stakeholder Communication	2/28/2018	03/19/18	Documentation attached with QPR packet.	3/19/2018
4568	5.3	Documentation of Stakeholder Communication	5/31/2018			
4569	5.3	Documentation of Stakeholder Communication	8/31/2018			
4570	5.4	Stakeholder Meeting	11/30/2015	Various		
4571	5.4	Stakeholder Meeting	2/19/2016	Various		
4572	5.4	Stakeholder Meeting	5/31/2016	05/05/16		
4573	5.4	Stakeholder Meeting	8/31/2016	7/28/2016		
4574	5.4	Stakeholder Meeting	11/30/2016	10/4/2016, 11/16/16		
4575	5.4	Stakeholder Meeting	2/28/2017	03/09/17		
4576	5.4	Stakeholder Meeting	5/31/2017	05/11/17		

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4577	5.4	Stakeholder Meeting	8/31/2017	08/24/17		
4578	5.4	Stakeholder Meeting	11/30/3017	12/12/17		
4579	5.4	Stakeholder Meeting	2/28/2018	03/29/18	Meeting materials to be forwarded under separate cover after completion of minutes.	
4580	5.4	Stakeholder Meeting	5/31/2018			
4581	5.4	Stakeholder Meeting	8/31/2018			
4582	5.5	Summary of Public Meetings Attended	5/31/2016	06/15/16		
4583	5.5	Summary of Public Meetings Attended	8/31/2016	09/15/16		
4584	5.5	Summary of Public Meetings Attended	2/28/2017	03/15/17		
4585	5.5	Summary of Public Meetings Attended	8/31/2017	09/15/17	Documentation attached with QPR packet.	
4586	5.5	Summary of Public Meetings Attended	2/28/2018	03/19/18	Documentation attached with QPR packet.	3/19/2018
4587	5.5	Summary of Public Meetings Attended	8/31/2018			
4972	6.1	Draft WPP Outline	12/31/2015	Various		
4973	6.1	Final WPP Outline	1/31/2016	1/20/2016		
4588	6.1	Draft 9-element WPP to Stakeholders	5/1/2018		Date amended per discussion with TCEQ PM.	
4589	6.1	Draft 9-element WPP to TCEQ	5/1/2018		Date amended per discussion with TCEQ PM.	
4590	6.1	Draft 9-element WPP to EPA	7/1/2018			
4591	6.1	Response to Stakeholder Comments	6/7/2018			
4592	6.1	Response to TCEQ Comments	6/7/2018			
4593	6.1	Response to EPA Comments	TBD			

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4594	6.1	Final WPP	7/31/2018			
4595	6.1	Documentation of Stakeholder Approval	8/31/2018			
4596	6.2	Executive Summary	7/15/2018			
4597	6.3	Documentation of Final WPP and ES Distribution	8/31/2018			
4598	7.1	Draft Final Report	6/30/2018			
4599	7.2	Address TCEQ Comments	7/31/2018			
4600	7.2	Final Report	8/31/2018			

Task/Issue	Additional Description of Quarterly Activities, Milestones, and Issues
1-Project Administration	H-GAC continued to work with TCEQ and GBEP on developing project efforts. QPR submitted 3/19/18. Quarterly communication held with TCEQ and GBEP PMs per deliverable. H-GAC continued work with the Galveston Bay Estuary program on matching grant. H-GAC discussed a no-cost extension through a portion of FY2019 to support early implementation and expend remaining funds, and submitted a revised amendment.
2-Quality Assurance	QAPP was implemented as approved. An annual certification was submitted, as noted in previous QPR.
3-Water Quality Data	CRP data collection efforts, including 24-hour DO at various locations was partially delayed this quarter due to CRP scheduling, but will be covered (doubled up) during the current quarter (sampling at start and end of quarter). This reflects only H-GAC sites, all partner sites completed as required. Staff continued to review water quality data collected through CRP, and to use data as part of ongoing general assessment.
4-Modeling	H-GAC completed the draft GLAM for the WPP areas, and continued to work on the characterization study (1008, 1009) area SELECT, with preliminary completion at the start of Q3.
5-Stakeholder Outreach	H-GAC presented about the project at a variety of meetings in and out of the watershed including the GBEP Water and Sediment Quality subcommittee, H-GAC's Natural Resources Advisory Committee, and various internal H-GAC meetings, as documented in the stakeholder contact document. Specific meetings of interest were the 3/1 GBEP WSQ meeting, a riparian ecology training in the watershed with Texas A&M AgriLife on 3/1, representation at the Texas Watershed Coordinators Roundtable on 1/23, various calls/meetings with the Houston Wilderness Regional Conservation Plan group in which riparian forests in watershed areas were promoted by H-GAC, meetings with the City of Houston and American Forests about our related Urban Forests project, and potential applications within the project area (among others), participation at the Regional Watershed Coordinator Steering Committee on 3/8, participation in the Galveston Bay Plan revision public meeting on 3/5, the 2/1 Natural Resources Advisory Committee meeting, an 1/4 and 1/10 set of webinars held for agricultural producers by H-GAC and USDA FSA/NRCS about Harvey recovery resources, a Partnership meeting on 3/14, manning a booth at the Nature Fest celebration in the project area on 3/3, and other meetings as detailed in the contact summary. Staff updated the website and Facebook during this time frame. Additional information on stakeholder contact is available in the Stakeholder contact documentation included with this QPR packet.
6-WPP Development	H-GAC staff continued to work on chapters for later review by TCEQ and stakeholders in early Q3.
7-Final Report	No activity during this quarter.

Note: The purpose of this sheet is to provide for an ongoing discussion of tasks to document overall progress and to raise any overall issues that don't relate to specific deliverables.

Note: Please address activities and issues related to contract amendments, budget revisions, and other administrative matters under Task 1.

EPA WBP Element	Additional Description of Quarterly Activities, Milestones, and Issues
a - ID of Pollutant Sources	Pollutant source id for WPP complete (bacteria). Bacteria source assessment for characterizations and nutrient modeling ongoing. Nutrient modeling for WPP area at preliminary completion.
b - Load Reductions	Final load reduction targets identified with stakeholders for bacteria in WPP area. Load reduction assessment for characterization areas complete, for review in Q3.
c - Management Measures	H-GAC has worked with local partners to further several efforts including planning for the use of OSSF SEP funds with Montgomery County, providing OSSF data for various partners, and planning for extended outreach during FY19 as part of the contract amendment.
d - Implementation Resources Needed	H-GAC continued the discussion of existing and proposed solutions in the watershed, and levels of resources available.
e - Education & Outreach	Staff coordinated with local partners on various upcoming education and outreach projects, including holding a riparian training with Texas A&M AgriLife and agricultural webinars with USDA, planning for a (rescheduled) Texas Stream Team training, planning for SEP implementation in the project area; representing the project and others as part of the Galveston Bay Plan revision process highlighting WPPs for water quality; and coordinating stakeholder facilitation with other area projects including the Houston Area Urban Forests initiative (in addition to elements noted in the Narrative tab and accompanying documentation).
f - Schedule for Implementing Management Measures	Project stakeholders continued discussions of implementation timing with a request for review at the 3/14/18 meeting of proposed activities and phasing.
g - Interim Measurable Milestones for Implementation	No action taken this quarter.
h - Criteria for Evaluating Plan Success	Criteria for monitoring were completed with the designation of attainment areas in the watersheds based on CRP stations and LDC results. Programmatic criteria are tied to the phased approach to implementing identified solutions.
i - Implementation Effectiveness Monitoring	As per h, discussion of monitoring and evaluation points was completed at the start of the quarter.

Note: The purpose of this sheet is to provide for an ongoing discussion of tasks to document overall progress and to raise any overall issues that don't relate to specific deliverables.

Please provide a listing of deliverables provided along with the QPR, and delete attachment references from prior quarters. Reference the "Deliverables Report" to get the Deliverable ID, Subtask #, and Deliverable Name.

[illegible]



Describe any current or anticipated changes to the project budget.			
Match Amount:	\$ 303,600.00	Total Match as of this Report:	192,580.87
Federal Amount:	\$ 455,400.00	Total Federal Paid as of this Report:	288,871.31
Total Contract Amount:	\$ 759,000.00	Total Paid as of this Report:	481,452.18
		Balance:	\$111,019.13
		Balance:	\$166,528.69
		Balance:	\$277,547.82

## Current Budget Estimates by FY:

	Match	Federal
FY15:	\$ 8,535.13	\$ 12,802.69
FY16:	\$ 60,145.92	\$ 90,218.88
FY17:	\$ 70,250.65	\$ 105,375.97
FY18:	\$ 103,115.55	\$ 154,673.33
FY19	\$ 61,552.75	\$ 92,329.13
Total:	\$ 303,600.00	\$ 455,400.00

## Current FY Quarterly Spending:

Include estimated invoice for this quarter

	Match	Federal
Q1:	\$ 21,615.24	\$ 32,422.86
Q2:	\$ 31,925.03	\$ 47,887.55
Q3:		
Q4:		
Total:	\$53,540.27	\$80,310.41

Has the total budget for this fiscal year changed by more than 10% (Yes/No)?

Yes

If so, provide new budget by fiscal year estimates and justification for the change in the table below.

## New Budget by FY:

	Match	Federal	Justification
FY15	\$ -	\$ -	No funds were billed in FY15
FY16	\$ 68,646.84	\$ 102,970.27	
FY17	\$ 68,690.70	\$ 103,036.06	
FY18:	\$ 103,115.55	\$ 154,673.33	Subsequent to calculations for amendment, spending ramped up at a faster rate than anticipated. No appreciable impact on planned spenddown is expected, other than funds in FY18 are expected to be greater than anticipated, and vice versa for FY19.
FY19:	\$ 63,146.91	\$ 94,720.34	(Anticipated based on proposed amendment, modified to reflect current spending limits.
Totals:	\$ 303,600.00	\$ 455,400.00	

Are all major deliverables on schedule (Yes/No)?

No

If no, provide an explanation below of the impact this will have on spending.

Finalization of the WPP document is delayed with a new date set via discussions with the TCEQ PM but should not impact FY spending for 2018. In anticipation of an amendment granting an extended period, further use of available funds in FY2019 will prevent a lapse of funds under the project.

--	--	--	--	--	--	--	--	--

## Quarterly Progress Report

FY18 Q3

Entity: Houston-Galveston Area Council (H-GAC)

Contract No: 582-15-56349

Project Name: West Fork San Jacinto & Lake Creek WPP and Spring Creek &  
Cypress Creek Watershed Characterization

Date Submitted: 6/14/18

Contractor Project Manager: Justin Bower

Approval Signature:



Date: 7 9 18

TCEQ Project Manager: Jessica Uramkin

Approval\* Signature:

Date:

\* The TCEQ Project Manager's signature indicates that the QPR is accepted as a project deliverable and also authorizes any changes in deliverable due dates requested in the Deliverables sheet. Approved due date changes should be inserted in the "Current Due Date" column in the next QPR.

QPRs are due to the TCEQ Project Manager by the 15th of the month following each fiscal quarter. Specifically these dates are December 15th, March 15th, June 15th, and September 15th. Fill out appropriate areas and:

1. When ready to submit the QPR to TCEQ, the Contractor Project Manager must date and sign the cover page with an electronic signature (i.e., scanned signature). Send the signed Excel document to the TCEQ Project Manager.
2. The TCEQ Project Manager will review and either: 1) Send back with comments or 2) approve, sign, date, and e-mail a scanned copy of the approved QPR to the Contractor Project Manager.
3. After addressing comments email the updated Excel document the TCEQ Project Manager, along with a new date next to the electronic signature.
4. The TCEQ Project Manager will sign, date, scan and send the approved QPR to the Contractor Project Manager. A final version of the Excel document will also be sent.

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4484	1.2	QPR (FY15Q4)	9/15/2015	09/15/15		
4485	1.2	QPR (FY16Q1)	12/15/2015	12/15/15		
4486	1.2	QPR (FY16Q2)	3/15/2016	3/15/2016		
4487	1.2	QPR (FY16Q3)	6/15/2016	06/15/16		
4488	1.2	QPR (FY16Q4)	9/15/2016	09/15/16		
4489	1.2	QPR (FY17Q1)	12/15/2016	12/15/16		
4490	1.2	QPR (FY17Q2)	3/15/2017	03/15/17		
4491	1.2	QPR (FY17Q3)	6/15/2017	06/15/17		
4492	1.2	QPR (FY17Q4)	9/15/2017	09/15/17		
4493	1.2	QPR (FY18Q1)	12/15/2017	12/14/17		
4494	1.2	QPR (FY18Q2)	3/15/2018	03/19/18		
4495	1.2	QPR (FY18Q3)	6/15/2018	06/14/18		
4496	1.2	QPR (FY18Q4)	9/15/2018	09/17/18	QPR submitted subsequent to discussion with TCEQ PM on revised QPR template.	9/17/2018
9063	1.2	QPR (FY19Q1)	12/15/2018			
9064	1.2	QPR (FY19Q2)	3/15/2019			
9065	1.2	QPR (FY19Q3)	6/15/2019			
4497	1.3	Invoice (FY15Q4)	9/30/2015	Various		
4498	1.3	Invoice (FY16Q1)	12/30/2015	12/30/15		
4499	1.3	Invoice (FY16Q2)	3/30/2016	03/30/16		
4500	1.3	Invoice (FY16Q3)	6/30/2016	06/30/16		
4501	1.3	Invoice (FY16Q4)	9/30/2016	09/30/16		
4502	1.3	Invoice (FY17Q1)	12/30/2016	12/21/16		
4503	1.3	Invoice (FY17Q2)	3/30/2017	Various		
4504	1.3	Invoice (FY17Q3)	6/30/2017	06/30/17		
4505	1.3	Invoice (FY17Q4)	9/30/2017	10/16/17		
4506	1.3	Invoice (FY18Q1)	12/30/2017	01/11/18		
4507	1.3	Invoice (FY18Q2)	3/30/2018	03/30/18		
4508	1.3	Invoice (FY18Q3)	6/30/2018	06/30/18		
4509	1.3	Invoice (FY18Q4)	9/30/2018	09/30/18	Invoice to be submitted prior to end of month under separate cover.	
9066	1.3	Invoice (FY19Q1)	12/30/2018			
9067	1.3	Invoice (FY19Q2)	3/30/2019			
9068	1.3	Invoice (FY19Q3 - March)	4/15/2019			

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
9069	1.3	Invoice (FY19Q3 - April)	5/15/2019			
9070	1.3	Invoice (FY19Q3 - May)	7/15/2019			
4510	1.4	Post-Award Mtg	8/22/2015	08/19/15		
4511	1.4	Quarterly Call (FY16Q1)	11/30/2015	10/28/15		
4512	1.4	Quarterly Call (FY16Q2)	2/29/2016	01/25/16		
4513	1.4	Quarterly Call (FY16Q3)	5/31/2016	04/27/16		
4514	1.4	Quarterly Call (FY16Q4)	8/31/2016	08/02/16		
4515	1.4	Quarterly Call (FY17Q1)	11/30/2016	11/14/16		
4516	1.4	Quarterly Call (FY17Q2)	2/28/2017	02/06/17		
4517	1.4	Quarterly Call (FY17Q3)	5/31/2017	04/03/17		
4518	1.4	Quarterly Call (FY17Q4)	8/31/2017	07/24/17		
4519	1.4	Quarterly Call (FY18Q1)	11/30/2017	11/09/17		
4520	1.4	Quarterly Call (FY18Q2)	2/28/2018	02/06/18		
4521	1.4	Quarterly Call (FY18Q3)	5/31/2018	04/27/18		
4522	1.4	Quarterly Call (FY18Q4)	8/31/2018	08/14/18	Call held and notes disseminated prior to this report.	
9071	1.4	Quarterly Call (FY19Q1)	11/30/2018			
9072	1.4	Quarterly Call (FY19Q2)	2/28/2019			
9073	1.4	Quarterly Call (FY19Q3)	5/31/2019			
4523	1.4	Contract Closeout Strategy	11/30/2017	Various		
4524	2.1	QAPP Planning Meeting	8/22/2015	08/09/15		
4527	2.3	Draft Modeling QAPP	11/30/2015	Various		
4528	2.3	Final Modeling QAPP	2/29/2016	Various		
4531	2.4	1st Modeling QAPP Annual Review Cert	2/8/2017	12/08/16		
4532	2.4	2nd Modeling QAPP Annual Review Cert	12/8/2017	12/14/17		
4966	3.1	16Q2 Data Acquisition (documented in QPRs)	3/15/2016	03/15/16		
4967	3.1	16Q3 Data Acquisition (documented in QPR)	6/15/2016	6/15/2016		
4968	3.2	16Q3 Trends Analysis (documented in QPR)	6/15/2016	08/02/16		

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4969	3.2	16Q4 Trends Analysis (documented in QPR)	10/4/2016	10/04/16		
4970	3.2	17Q1 Trends Analysis (documented in QPR)	12/15/2016	12/15/16		
4971	3.2	17Q2 Trends Analysis (documented in QPR)	3/15/2017	3/15/2017		
4533	3.3	Draft Acquired Modeling Data Report	8/2/2016	08/02/16		
4534	3.3	Final Acquired Modeling Data Report	8/31/2016	08/05/16		
4535	3.4	Draft Data Collection and Trends Analysis Report	4/30/2017	05/08/17		
4536	3.4	Final Data Collection and Trends Analysis Report	5/31/2017	05/22/17		
4537	4.1	Modeling Methodology Description Analysis	2/29/2016	03/15/16		
4538	4.2	Updated Load Duration Curves	5/31/2017	05/31/17		
4539	4.3	SELECT Modeling	5/31/2017	05/11/17		
4540	4.4	Modeling Support Document	2/28/2017	03/03/17		
4541	4.5	Draft Modeling Report	10/15/2017	10/26/17		
4542	4.5	Final Modeling Report	12/15/2017	11/29/17		
4543	5.1	Public Participation Plan	2/29/2016	03/09/16		
4544	5.2	Stakeholder Contact List, in QPR	9/15/2015	09/30/15		
4545	5.2	Stakeholder Contact List, in QPR	12/15/2015	03/28/16		
4546	5.2	Stakeholder Contact List, in QPR	3/15/2016	03/15/16		
4547	5.2	Stakeholder Contact List, in QPR	6/15/2016	06/15/16		
4548	5.2	Stakeholder Contact List, in QPR	9/15/2016	09/15/16		
4549	5.2	Stakeholder Contact List, in QPR	12/15/2016	12/15/16		
4550	5.2	Stakeholder Contact List, in QPR	3/15/2017	03/15/17		
4551	5.2	Stakeholder Contact List, in QPR	6/15/2017	06/15/17		
4552	5.2	Stakeholder Contact List, in QPR	9/15/2017	09/15/17		
4553	5.2	Stakeholder Contact List, in QPR	12/15/2017	12/14/17		
4554	5.2	Stakeholder Contact List, in QPR	3/15/2018	03/19/18		
4555	5.2	Stakeholder Contact List, in QPR	6/15/2018	06/14/18		

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4556	5.2	Stakeholder Contact List, in QPR	9/15/2018	09/17/18	Submitted with QPR	9/17/2018
4557	5.3	Documentation of Stakeholder Communication	9/15/2015	09/15/15		
4558	5.3	Documentation of Stakeholder Communication	11/30/2015	03/28/16		
4559	5.3	Documentation of Stakeholder Communication	2/29/2016	03/15/16		
4560	5.3	Documentation of Stakeholder Communication	5/31/2016	06/15/16		
4561	5.3	Documentation of Stakeholder Communication	8/31/2016	09/15/16		
4562	5.3	Documentation of Stakeholder Communication	11/30/2016	12/15/16		
4563	5.3	Documentation of Stakeholder Communication	3/15/2017	3/15/2017		
4564	5.3	Documentation of Stakeholder Communication	6/15/2017	06/15/17		
4565	5.3	Documentation of Stakeholder Communication	9/15/2017	09/15/17		
4566	5.3	Documentation of Stakeholder Communication	11/30/3017	12/14/17		
4567	5.3	Documentation of Stakeholder Communication	2/28/2018	03/19/18		
4568	5.3	Documentation of Stakeholder Communication	6/15/2018	06/14/18		
4569	5.3	Documentation of Stakeholder Communication	9/15/2018	09/17/18	Submitted with QPR, subsequent to discussion with TCEQ PM about revised QPR template	9/17/2018
4570	5.4	Stakeholder Meeting	11/30/2015	Various		
4571	5.4	Stakeholder Meeting	2/29/2016	Various		
4572	5.4	Stakeholder Meeting	5/31/2016	05/05/16		
4573	5.4	Stakeholder Meeting	8/31/2016	7/28/2016		
4574	5.4	Stakeholder Meeting	11/30/2016	10/4/2016, 11/16/16		

**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4575	5.4	Stakeholder Meeting	3/31/2017	03/09/17		
4576	5.4	Stakeholder Meeting	5/31/2017	05/11/17		
4577	5.4	Stakeholder Meeting	9/15/2017	08/24/17		
4578	5.4	Stakeholder Meeting	11/30/3017	12/12/17		
4579	5.4	Stakeholder Meeting	2/28/2018	03/29/18		
4580	5.4	Stakeholder Meeting	6/15/2018	3/14/18, 5/16/18, 6/6/18		
4581	5.4	Stakeholder Meeting	9/15/2018	06/06/18	Full Partnership Meeting held	
4582	5.5	Summary of Public Meetings Attended	5/31/2016	06/15/16		
4583	5.5	Summary of Public Meetings Attended	8/31/2016	09/15/16		
4584	5.5	Summary of Public Meetings Attended	3/15/2017	03/15/17		
4585	5.5	Summary of Public Meetings Attended	9/15/2017	09/15/17		
4586	5.5	Summary of Public Meetings Attended	2/28/2018	03/19/18		
4587	5.5	Summary of Public Meetings Attended	9/15/2018	06/14/18		
4588	6.1	Draft 9-element WPP to Stakeholders	5/1/2018	05/01/18		
4589	6.1	Draft 9-element WPP to TCEQ	5/1/2018	05/15/18		
4590	6.1	Draft 9-element WPP to EPA	8/31/2018			TBD pending TCEQ final review
4591	6.1	Response to Stakeholder Comments	7/13/2018	Various	Response submitted to TCEQ pending TCEQ review, and revised version with comments table submitted to stakeholders on 9/4/18	9/4/2018
4592	6.1	Response to TCEQ Comments	7/13/2018	Various	H-GAC sent responses to two primary rounds of TCEQ comments.	
4593	6.1	Response to EPA Comments	9/30/2018			TBD pending TCEQ final review
4594	6.1	Final WPP	9/30/2018			



**If a deliverable is or will be late, a new due date must be proposed. If this is the case, a justification describing the circumstances necessitating the new due date must be provided.**

ID#	Sub Task #	Deliverable	Current Due Date	Date Sent	Discussion of Progress Last Quarter (Delete info from prior QPRs, and leave blank if no progress occurred)	Proposed New Due Date
4595	6.1	Documentation of Stakeholder Approval	9/30/2018			
4972	6.1	Draft WPP Outline	12/31/2015	12/31/15		
4973	6.1	Final WPP Outline	1/31/2016	01/31/16		
4596	6.2	Executive Summary	8/31/2018			
4597	6.3	Documentation of Final WPP and ES Distribution	10/12/2018			
9074	7.1	Summary of Outreach and Education Events (FY19Q1)	11/30/2018			
9075	7.1	Summary of Outreach and Education Events (FY19Q2)	2/28/2019			
9076	7.1	Summary of Outreach and Education Events (FY19Q3)	5/31/2019			
9077	7.2	Stakeholder Meeting (FY19Q1)	11/30/2018			
9078	7.2	Stakeholder Meeting (FY19Q2)	2/28/2019			
9079	7.2	Stakeholder Meeting (FY19Q3)	5/31/2019			
9080	7.2	Summary of Stakeholder Facilitation Activities (FY19Q1)	12/15/2018			
9081	7.2	Summary of Stakeholder Facilitation Activities (FY19Q2)	3/15/2019			
9082	7.2	Summary of Stakeholder Facilitation Activities (FY19Q3)	6/15/2019			
9083	7.3	Draft Water Quality Trends Report	2/28/2019			
9084	7.3	Final Water Quality Trends Report	4/30/2019			
4598	8.1	Draft Final Report	3/31/2019			
4599	8.2	Address TCEQ Comments	4/30/2019			
4600	8.2	Final Report	5/15/2019			