



James W. Ridgway, P.E.
Executive Director

DRAFT AGENDA

November 19, 2018 1:00 – 3:00 p.m.
Library at Cranbrook Institute of Science
39221 Woodward Ave., Bloomfield Hills

Auburn Hills
Beverly Hills
Bingham Farms
Birmingham
Bloomfield Hills
Bloomfield Twp.
Canton Twp.
Commerce Twp.
Dearborn Heights
Farmington
Farmington Hills
Franklin
Garden City
Henry Ford College
Inkster
Lathrup Village
Livonia
Melvindale
Northville
Northville Twp.
Novi
Oakland County
Oak Park
Orchard Lake
Plymouth
Plymouth Twp.
Redford Twp.
Rochester Hills
Romulus
Southfield
Troy
University of Michigan-Dearborn
Van Buren Twp.
Walled Lake
Washtenaw County
Wayne
Wayne County
Wayne County Airport Authority
West Bloomfield Twp.
Westland
Wixom

Cooperating Partners
Cranbrook Institute of Science
Friends of the Rouge
Rouge River Advisory Council
Southeastern Oakland County Water Authority
The Henry Ford
Wayne State University

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c. Technical Committee Progress Report (K. Mondora, Chair)	Information	
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7. Report from Counties – Brandy Siedlaczek	Information	
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9. Opportunity for Public Comment – Brandy Siedlaczek		
10. Summary of Actions of Full Alliance – Chris O’Meara	Information	
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12. Adjourn	Action	

James W. Ridgway, P.E.
Executive Director



Working together, restoring the river

DRAFT MEETING SUMMARY ALLIANCE OF ROUGE COMMUNITIES

June 20, 2018, 1:00 p.m.
Community Room, Lathrup Village

1. **Welcome** (Brandy Siedlaczek, Chair)
 - a. **Roll Call /Determination of Quorum** - Roll call was taken. The 26 members listed below were in attendance, which was sufficient for a quorum.

ARC Member	Attended Y/N	ARC Member	Attended Y/N
Auburn Hills	N	Novi	Y
Beverly Hills	Y	Oakland County	Y
Bingham Farms	Y	Oak Park	N
Birmingham	N	Orchard Lake	Y
Bloomfield Hills	N	Plymouth	Y
Bloomfield Twp.	Y	Plymouth Twp.	Y
Canton Twp.	Y	Redford Twp.	Y
Commerce Twp.	Y	Rochester Hills	Y
Dearborn Heights	N	Romulus	Y
Farmington	Y	Southfield	Y
Farmington Hills	Y	Troy	Y
Franklin	N	University of Michigan-Dearborn	Y
Garden City	Y	Van Buren Twp.	N
Henry Ford College	N	Walled Lake	N
Inkster	N	Washtenaw County	Y
Lathrup Village	Y	Wayne	Y
Livonia	Y	Wayne County	N
Melvindale	N	Wayne County Airport Authority	N
Northville	N	West Bloomfield Twp.	Y
Northville Twp.	N	Westland	Y
		Wixom	Y

b. Introduction of ARC guests

Brandy Siedlaczek, Chair, asked all guests in attendance to introduce themselves.

c. Additions or Changes to the Draft Meeting Agenda

There were no additions or changes to the agenda.

d. Approval of November 21, 2017 Meeting Summary

The motion was made by Tim Faas, Canton Twp., to approve the November 21, 2017 meeting summary. It was seconded by Charles Markus, Bloomfield Twp., and passed unanimously.

Cooperating Partners:

Cranbrook Institute of Science
Friends of the Rouge
Rouge River Advisory Council
Southeastern Oakland
County Water Authority
The Henry Ford
Wayne State University

2. Executive Director Report

a. Grant Status Report

John O'Meara, ARC Staff, gave the grant project status report.

ONGOING GRANTS

SAW Grant: Monitoring and Stormwater Management Planning

- Public Education
 - 75% complete in summarizing the results of the public attitudes survey.
- IDEP
 - Gathered Storm Sewer and Outfall information in GIS format and the previous outfall screening reports to support the outfall screening effort. Table 1 provides the status of this effort.
 - Memos identifying which outfalls require screening were sent to 16 of the 20 communities that require prioritization. This task can be complete when data is provided from the 4 remaining communities.
 - Completed outfall screening at 13 of the 20 communities that require screening.
 - Worked with the communities to correct their outfall information including identifying outfalls vs discharge points. To date 634 features have been eliminated from being classified as outfalls (Table 2).

Table 1. Status of Data Collection

Community	Outfalls in GIS	Storm Sewer in GIS	Outfalls Prioritized and Memo sent to community
Beverly Hills	Yes	No response	Yes
Bingham Farms	No, hard copy only, but ARC staff added to GIS	No, but still needed	Waiting for screening report
Birmingham	Yes	No response	Yes
Bloomfield Hills	Yes	X	Waiting for screening report
Bloomfield Township	Yes	City is updating	N/A-1
Canton Township	Yes	X	N/A-1
Dearborn Heights	Yes	X	Yes
Farmington	Yes	X	Yes
Farmington Hills	Yes	X	Yes
Franklin	Yes	No, but still needed	Waiting for screening report
Garden City	Yes	X	Yes
Inkster	Yes	X	Yes
Lathrup Village	No, hard copy only, but ARC staff added to GIS	No, but still needed	N/A-2
Livonia	Yes, City is updating	X	Waiting for updated outfalls
Melvindale	No, hard copy only, but ARC staff added to GIS	No, but still needed	Yes
Northville	Yes	X	Yes
Northville Township	Yes	X	N/A-1
Novi	Yes	X	Yes
Oak Park	No, hard copy only, but ARC staff added to GIS	X	N/A-2
Plymouth	Yes	X	Yes
Plymouth Township	Yes	X	N/A-1
Redford Township	Data should be forthcoming	Data should be	N/A-1

Community	Outfalls in GIS	Storm Sewer in GIS	Outfalls Prioritized and Memo sent to community
	soon	forthcoming soon	
Southfield	Yes	X	Yes
Troy	Yes	X	Yes
Walled Lake	Yes	Twp working on GIS layer. Late summer 2018	Yes
Wayne	Yes	X	Yes
West Bloomfield Twp	Yes, but Twp is updating	X	N/A-1
Westland	Yes	X	Yes
Henry Ford College	Yes	X	N/A-1

N/A-1 This requirement is not applicable because the permittee is not a city or village.

N/A-2 This requirement is not applicable because the permittee has no outfalls to waters of the state.
Action needed by permittee

Table 2. Number of Regulated Outfalls

IDEP Plan Permittee	Original No. of Outfalls (and Discharge Points*)	No of Features Eliminated	Updated No. of Outfalls
Beverly Hills	54	-2	56
Bingham Farms	15	6	9
Birmingham	32	-3	35
Bloomfield Hills	64	7	57
Bloomfield Twp.			
Canton Twp.			
Dearborn Heights			10
Farmington	105	56	49
Farmington Hills	135	28	107
Franklin	7	0	7
Garden City	15	14	1
Inkster	10	0	10
Lathrup Village	8	8	0
Livonia	753		
Melvindale	2	0	2
Northville	68	11	57
Northville Twp.			
Novi	30	3	27
Oak Park	1	1	0
Plymouth	191	165	26
Plymouth Twp.			
Redford Twp.			
Southfield	72	0	72
Troy	60	5	55
Walled Lake	29	0	29
Wayne	98	3	95
West Bloomfield Twp			
Westland	561	332	229

IDEP Plan Permittee	Original No. of Outfalls (and Discharge Points*)	No of Features Eliminated	Updated No. of Outfalls
Henry Ford College			
Total	2,310	634	933
Permittees not subject to Outfall Screening		*Discharge points do not need to be screened	

- Permit applications
 - Comments received from MDEQ on all (30) Rouge permit applications. Responses due July 13th.
 - Completed the draft responses for 75% of the communities and in the process of meeting with each.
- TMDL
 - The Collaborative TMDL Plan was updated to reflect MDEQ latest comments. However, MDEQ is asking for 100 sites to be sampled vs the 60 that are being proposed. Also, they have indicated that they will add sites once they review Wayne County's SWMP/IDEP plans.
 - The plan is on hold until MDEQ reviews Wayne County's SWMP/IDEP plans.
- Monitoring
 - Received permits from MDEQ and Wayne County to install DO monitoring equipment at 5 sites.
 - The summary of 2017 water quality data is ongoing – to be completed by July 30th.
 - Bacterial source tracking sampling – planned for 2018.
- Stormwater Financing
 - Completed the draft report and presented it to the 3 pilot communities on June 13th.
 - The report should be finalized by the end of July.

EPA Wayne County Rouge AOC Habitat Projects

- Henry Ford Estate Dam Fish Passage
 - Wayne County commission has approved the construction contract.
 - Pre-Con meeting was held June 18, 2018
 - Site work to begin by end of June 2018.
- Oxbow Phase III Implementation
 - Wayne County commission has approved the construction contract.
 - Site work to begin around mid-August 2018.

GLRI USDA Forest Service

The ARC was awarded the grant from the USDA Forest Service for trees to “Mitigate Emerald Ash Borer (EAB) Impacts.

170831-0100 Community	Allowed Amount of Trees	IAA's Mailed	IAA's Rec'd	IAA's Sent Back	Submitted Tree Types	Tree Types Approved	Plan on Ordering	Plan on Planting	Actual Order Date
Bingham Farms	10	1/31/2018	X	X	X	X	Winter 2018	Summer 2018	5/1/2018
Bloomfield Twp.	89	1/31/2018	X	X					
Canton	69	1/31/2018	X	X	X	X	Fall 18/Spring 19	Spring 2019	
Farmington Hills	27	1/31/2018	X	X			Summer 2018	Fall 2018	
Inkster	11	1/31/2018	X	X			Spring 2019	Spring 2019	
Lathrup Village	14	1/31/2018	X	X	X	X	Spring 2018	Spring 2018	
Novi	38	1/31/2018	X	X	X	X	Spring 2018	Fall 18/Spring 19	Spring 2018
Oak Park	45	1/31/2018	X	X			Fall 18/Spring 19	Fall 18/Spring 19	
Plymouth	51	1/31/2018	X	X					
Redford Twp.	14	1/31/2018	X	X					
Southfield	91	1/31/2018	X	X			Spring and Fall		
Troy	61	1/31/2018	X	X	X	X	Summer/Fall		
Village of Franklin	10	1/31/2018	X	X	X	X	Spring 2018	Spring 2018	
Walled Lake	14	1/31/2018	X	X			Spring/Fall 2018	Spring/Fall 2018	
Wayne County	34				X	X			
Westland	85	1/31/2018	X	X					
Wixom	17	1/31/2018	X	X	X		Spring 2018		

MDNR OGL Public Advisory Support

Held RRAC meeting in June 2018. Fish surveys by FOTR completed.

EPA Rouge River AOC Habitat Restoration Design- Tamarack/Fish Hatchery – The ARC has submitted a grant application to EPA for design engineering for the restoration of Tamarack Creek/wetland and habitat restoration on Johnson Creek at Fish Hatchery Park. These two priority projects were considered the next projects that would have significant impact on the removal of the BUIs in the Rouge AOC. EPA awarded the grant to the ARC June 6, 2018.

GRANTS SUBMITTED

The ARC submitted a Public Advisory Support grant to the MDNR OGL to continue the support to the RRAC and the FOTR fish surveys. ARC Staff expect to hear within the next few weeks.

b. Call for Projects

John O'Meara asked members to forward any projects they may have in mind that ARC Staff can begin to research funding mechanisms.

3. Southeast Michigan Water Resources Plan

Rachael Barlock, SEMCOG Engineer gave a presentation on SEMCOG's Southeast Michigan Water Resources Plan.

4. Treasurers/Finance Committee Report

a. 2018 Membership Dues

Chris O'Meara reported that all dues invoices have been sent out and we are receiving payments.

b. 2017 A/R & A/P Reports

Chris O'Meara reviewed the accounts payables report and stated that there were not outstanding payable as of the meeting.

c. SAW Funding Budget Adjustment

J. O'Meara informed the ARC members of the 2 issues with the SAW grant: 1) the Wayne County overhead costs that were submitted but are not eligible under the SAW and 2) the FOTR volunteer match that was submitted as match under the SAW but later ARC Staff were informed that it is not eligible because it is not an expended costs. The repayment of the grant money related to the Wayne County overhead has already been paid back to the State. J. O'Meara reviewed the adjustment to the budget to move the remaining required SAW match and the amount needed to pay back the costs associated with the volunteer time. This adjustment transfers budget from OC1, FC1 & 2, PIE 1 & 2 and TC2, 3 & 4 to a new line item. The PIE2 and TC activities in this adjustment are the permit cycle activities and can be completed in future years of the 5-year permit cycle. The PIE1 and OC reduction includes Executive Director staff time that ECT has committed to providing the same service at the reduced budget.

The motion was made by Kathryn Hagaman, Bingham Farms, to approve the 2018 Budget Adjustment reducing or freezing activities under OC1, FC1, FC2, PIE1, PIE2 and TC2-4 to accommodate the required SAW match. The motion was seconded by Sheryl Mitchell, Lathrup Village and passed unanimously.

J. O'Meara reviewed a tracking form that ARC communities are going to be asked to fill out for time expended by community staff on SAW activities. This form has been pre-approved by MDEQ as reimbursable through the grant. The ARC did not request this in the past as we thought the volunteer time would serve as match. With the recent issue ARC Staff will be providing meeting dates to members and ask that you fill out your rate on the sheet and return it to ARC Staff who will then submit it to the SAW grant for reimbursement. This will allow the ARC to recoup some of the budget that was cut to pay the match back to the State. We can then continue some of those activities that were put on hold. ARC Staff will send an email out with the dates for each community.

d. 2018 Budget Amendment

C. O'Meara reviewed the USDA Forest Service grant email vote that was conducted on 12/14/17 adding the grant to the 2018 budget and to ECT's contract. 23 votes were received to approve adding the \$100,000 Forest Service grant to the 2018 budget. 21 votes were received to approve adding the amendment to ECT's 2013 contract which is for \$15,000 for grant administration for the USDA Forest Service grant. The motion was made by Tim Sikma, Wixom, to ratify the email vote adding the Forest Service grant to the 2018 budget. The motion was seconded by Karen Mondora, Farmington Hills and passed unanimously. The motion was made by Kathryn Hagaman, Bingham Farms, to ratify the email vote adding the Forest Service project to the 2013 ECT contract. The motion was seconded by Charles Markus, Bloomfield Twp. and passed unanimously.

e. 2019 Dues increase of 2%

Brandy Siedlaczek reviewed the Finance Committees recommendation to increase member dues by 2% beginning in 2019. At the November 2017 meeting ARC members requested earlier notice of any dues increase so that they can incorporate the increase into their budget planning. In order to meet the requirements of the collaborative permit efforts the ARC determined in 2017 that dues would need to increase over the next several years, with the initial increase in 2018 and then "cost of living" increases thereafter. The motion was made by Charles Markus, Bloomfield Twp., to increase the

2019 dues by 2%. The motion was seconded by Mike Buiten, Wayne, and passed with Livonia opposed.

f. RFQ for 2019 Executive Director Services

John O'Meara informed the Full ARC that ARC Staff have drafted the RFQ for the Executive Director Services along with the costing sheets. The RFQ Review Committee will meet in July to continue development of the request for qualifications and to determine which community will post the RFQ in August with a recommendation expected in the 4th quarter. The committee includes the officers (B. Siedlaczek, J. Rickard, D. Moore and K. Mondora serving for G. Mekjian, past chair) along with one each from Wayne County (B. Belair, Canton Twp.), Oakland County (C. Markus, Bloomfield Twp.) and Washtenaw County (H. Rice).

5. Standing Committee Reports

a. Organization Committee

Chris O'Meara stated that the Organization Committee has nothing to report.

b. PIE Committee

Charles Markus reported that we have restocked the pet waste containers, clips, several public ed printed materials, and posters. There were also black eyed susan seeds left from last year so those are being offered for spring/summer with no additional cost to members. The ARC banners have started making the rounds of the watershed with an email going out to reserve it for the 2-week period.

c. Technical Committee

Karen Mondora reported that updates were reviewed for the IDEP Plan and an IDEP training was held April 12 with 58 attendees (40 were ARC members). IDEP screening is going on. IDEP training in October 2018 is being hosted by SEMCOG and will include pollution prevention and good housekeeping and IDEP investigation, watch for a save the date. The Oakland County IDEP IAA for IDEP investigations is expected to be signed soon.

Annette DeMaria discussed the permit comments that communities received from the MDEQ. An extension was received by all communities with a new date of a response by July 13. ARC Staff will be meeting with all permit communities over the next several weeks to review the response to the MDEQ comments.

d. Nominations Committee

Bob Belair has volunteered to chair the Nominations Committee for the 2019-2020 officers. If you are interested in serving as Chair, Vice Chair or Treasurer please contact him or ARC Staff.

7. Report from Cooperating Partners

Friends of the Rouge

Marie McCormick shared that FOTR will begin their Strategic Plan process next month. She also let the Full ARC know that they will be moving their offices to Plymouth in September.

She stated that FOTR has developed a Rain Smart program for lawn practices and rain garden development in coordination with the master rain garden program from

Washtenaw County. They are also offering a fee for service to residents for rain garden planning and are providing planting guided workshops and hope to have 1,000 rain gardens documented by 2025. They are also looking at ordinance updates and are doing some stormwater retention in Detroit. FOTR continues to work on the water trail planning.

Rouge River Advisory Council

Bill Craig reported that RRAC is working on our next grant which includes additional fish surveying by FOTR along with flushing out more details and costs on our next group of habitat projects to make them more likely to be funded in the future. He thanked the ARC for the continued support on RRAC activities. The projects on the habitat list are beginning to receive funding through EPA which benefits the entire watershed. He also informed the Full ARC that the work on the Lower Rouge Old Channel is progressing towards delisting.

8. Report from Counties

Jacy Garrison, Oakland County, reported that the IDEP IAA should be signed next week. She reported that work on the stormwater standards continues as they are meeting with other counties and the City of Detroit to coordinate standards. Jacy Garrison reported that the date for the Stormwater Summit is set for October 5 at Lawrence Technical University.

Heather Rice, Washtenaw County, had nothing new to report.

9. Report from MDEQ

Martin Hendges, MDEQ, reported that he continues to review the Collaborative TMDL.

He informed the Full ARC that there are new Progress Report forms in MIWaters for member use after July 1. Most of the ARC reports are due in 2020 but some are due this summer.

He reported that the 319 Point Source RFP is out and due mid-July with a pre-application in August and full in October. He stated that it is not district targeted and open to all and can include phosphorus, green infrastructure, agriculture and livestock practices.

10. Opportunity for Public Comment

Karen Mondora recognized Steve Vandette for his service to the ARC as he retires on July 13.

Brandy Siedlaczek also recognized Kathryn Hagaman for her many years of service to the ARC as she also retires. Both Steve and Kathryn are original ARC Representatives for their communities.

Brandy Siedlaczek reported that the ARC received an award from the American Public Works Association Michigan Chapter for 2018 project of the year for the collaborative invasive species control in the Rouge and Detroit River AOC – government cooperation.

11. Summary of Actions of Full Alliance (Chris O'Meara, ARC staff)

- The November 21, 2017 meeting summary was approved.

- The 2018 budget adjustment reducing or freezing activities under OC1, FC1 & 2, PIE1 & 2, and TC 2-4 to accommodate the required SAW match and repayment was approved.
- The Email ratification vote from 12/14/17 adding the USDA Forest Service to the 2018 Budget and ECT's contract was approved.
- A 2% dues increase for 2019 was approved.

12. Other Business

There was no other business.

13. Adjourn

The motion was made by Charles Markus, Bloomfield Twp., to adjourn the meeting. The motion was seconded by Karen Mondora, Farmington Hills, and passed unanimously.

Alliance of Rouge Communities Attendance List

Meeting Date: 6/20/18

Name	Community	Attended	Initials
		<input type="checkbox"/>	
Akers	Ron	Van Buren Twp.	<input type="checkbox"/>
Akers	Joseph	Novi	<input checked="" type="checkbox"/> JAA
Arquette-Palermo	Michele	Cranbrook Institute of Science	<input type="checkbox"/>
Ballnik	Dan	RRAC	<input type="checkbox"/>
Bayley	Nicholas	Westland (OHM)	<input type="checkbox"/>
Bednarski	George	Redford Township	<input checked="" type="checkbox"/> GB
Beisel	John	Farmington Hills	<input type="checkbox"/>
Belair	Bob	Canton Township	<input type="checkbox"/>
Best	Matthew	Van Buren Twp.	<input type="checkbox"/>
Bivins	Jerome	Inkster	<input type="checkbox"/>
Boote	Marty	ECT	<input type="checkbox"/>
Borton	Cory	Bloomfield Township	<input checked="" type="checkbox"/> CB
Buiten	Mike	Wayne	<input type="checkbox"/>
Byrd	Jim	Wixom	<input type="checkbox"/>
Casari	Tom	Northville Township	<input type="checkbox"/>
Cassady	Erin	Friends of the Rouge	<input type="checkbox"/>
Cave	Kelly	WCDPS	<input type="checkbox"/>
Coogan	Colleen	Walled Lake	<input type="checkbox"/>
Craig	Bill	RRAC	<input checked="" type="checkbox"/> WK ✓
Creech	James	Village of Franklin	<input type="checkbox"/>
Cureton	Loyd	Northville	<input type="checkbox"/>
Davis	Paul	Rochester Hills	<input type="checkbox"/>
Dean	Lillian	SOCWA	<input type="checkbox"/>
DeMaria	Annette	ECT	<input checked="" type="checkbox"/> AD
Dennis	Mike	Redford Township	<input type="checkbox"/>

Meeting Date: 6/20/18

Name	Community	Attended	Initials	
Dotson	Trisha	Livonia	<input checked="" type="checkbox"/>	
Douville	Jeff	Bingham Farms	<input type="checkbox"/>	
El-Gharib	Ramzi	Westland	<input type="checkbox"/>	
Eudy	Chuck	Farmington	<input checked="" type="checkbox"/>	CE
Faas	Tim	Canton Township	<input checked="" type="checkbox"/>	TF
Fellrath	Patrick	Plymouth Township	<input checked="" type="checkbox"/>	PT
Fletcher	Austin	Birmingham	<input type="checkbox"/>	
Garrison	Jacy	Oakland County	<input type="checkbox"/>	
Hagaman	Kathryn	Bingham Farms	<input checked="" type="checkbox"/>	KPH
Hammond	Bruce	Melvindale	<input type="checkbox"/>	
Hanna	Karen	Friends of the Rouge	<input type="checkbox"/>	
Hanna	Souzan	Troy (HRC)	<input type="checkbox"/>	
Hendrickson	Dave	Bloomfield Hills	<input type="checkbox"/>	
Hysinger	Angela	Bloomfield Township	<input type="checkbox"/>	
James	Jay	Commerce Township	<input checked="" type="checkbox"/>	JD
Kahle	Chris	University of Michigan-Dearborn	<input checked="" type="checkbox"/>	CK
Kaplan	Steven	West Bloomfield Township	<input type="checkbox"/>	
Keenan	Shawn	Auburn Hills	<input type="checkbox"/>	
Kelley	Harold	Henry Ford College	<input type="checkbox"/>	
Kern	Ryan	Garden City (Hennessey Engineer	<input checked="" type="checkbox"/>	RK
Kramarz	Kristina	Dearborn Heights	<input type="checkbox"/>	
Kurleto	James	Cranbrook Institute of Science	<input type="checkbox"/>	
Labadie	Marshall	West Bloomfield Township	<input checked="" type="checkbox"/>	LB
Ladd	Dan	Walled Lake	<input type="checkbox"/>	
Leach	Josh	Farmington	<input type="checkbox"/>	
LeMarbe	Scott	Oak Park	<input type="checkbox"/>	
MacDonell	Matt	Washtenaw County Road Commis	<input type="checkbox"/>	

Meeting Date: 6/20/18

Name		Community	Attended	Initials
Markus	Charles	Bloomfield Township	<input checked="" type="checkbox"/>	CJM
Marshall	Ellen	SOCWA	<input type="checkbox"/>	
Marten	Ken	Lathrup Village	<input type="checkbox"/>	
Matthews	Barbara	Village of Beverly Hills (HRC)	<input type="checkbox"/>	
McCallum	Gerry	Orchard Lake Village	<input type="checkbox"/>	
McCormick	Marie	Friends of the Rouge	<input type="checkbox"/>	
Melchert	Ron	Auburn Hills	<input type="checkbox"/>	
Melistas	George	Novi	<input type="checkbox"/>	
Meszler	Thomas	Village of Beverly Hills	<input checked="" type="checkbox"/>	KLM
Mitchell	Sheryl	Lathrup Village	<input checked="" type="checkbox"/>	SMK
Mlynczyk	Ed	Oak Park	<input type="checkbox"/>	
Mondora	Karen	Farmington Hills	<input type="checkbox"/>	
Moore	Doug	Livonia	<input checked="" type="checkbox"/>	
Mullett	Noel	WCDPS	<input type="checkbox"/>	
Mullin	Christopher	Wayne County Airport Authority	<input type="checkbox"/>	
Nash	Jim	Oakland County	<input type="checkbox"/>	
Olsztyn	Olivia	Bloomfield Township	<input type="checkbox"/>	
O'Meara	John	ECT	<input checked="" type="checkbox"/>	
O'Meara	Paul	Birmingham	<input type="checkbox"/>	
Ordus	Larrie	Melvindale	<input type="checkbox"/>	
Ortiz	Richard	Melvindale	<input type="checkbox"/>	
Paletko	Dan	Dearborn Heights	<input type="checkbox"/>	
Perez	Thomas	University of Michigan-Dearborn	<input type="checkbox"/>	
Petrella	Sally	FOTR	<input type="checkbox"/>	
Pollizzi	Tim	Rochester Hills	<input checked="" type="checkbox"/>	TP
Porman	Chris	Plymouth	<input type="checkbox"/>	
Pratt	Evan	Washtenaw County Water Resour	<input type="checkbox"/>	

Meeting Date: 6/20/18

<i>Name</i>		<i>Community</i>	<i>Attended</i>	<i>Initials</i>
Price	Meghan	ECT	<input checked="" type="checkbox"/>	MP
Pulker	Eileen	Village of Franklin	<input type="checkbox"/>	
Queen	Ed	Wayne	<input type="checkbox"/>	
Radtke	Jana	Plymouth Township	<input type="checkbox"/>	
Rice	Heather	Washtenaw County Water Resour	<input checked="" type="checkbox"/>	HR
Rickard	Jill	Northville Township	<input type="checkbox"/>	
Ridgway	Jim	ECT	<input type="checkbox"/>	
Ritter	Kathy	Romulus	<input checked="" type="checkbox"/>	KTC
Rohraff	Don	Livonia	<input type="checkbox"/>	
Roney	Kevin	Garden City	<input type="checkbox"/>	
Ross	Cyndi	FOTR	<input type="checkbox"/>	
Saif	Sermed	Orchard Lake Village (Tri-Co. Eng.	<input checked="" type="checkbox"/>	SS
Scappaticci	Roberto	Romulus	<input type="checkbox"/>	
Schultz	Leigh	Southfield	<input type="checkbox"/>	
Scott	David	Commerce Township	<input type="checkbox"/>	
Seymour	Lynne	Village of Beverly Hills (HRC)	<input type="checkbox"/>	
Siddall	Sheryl	Washtenaw County Road Commis	<input type="checkbox"/>	
Siedlaczek	Brandy	Southfield	<input checked="" type="checkbox"/>	BS
Sikma	Tim	Wixom	<input checked="" type="checkbox"/>	T
Sincock	Paul	Plymouth	<input type="checkbox"/>	
Smrtka	Barb	Farmington Hills	<input type="checkbox"/>	
Spivy	Jamie	Bloomfield Hills	<input type="checkbox"/>	
Sullivan	Patrick	Northville	<input type="checkbox"/>	
Tucker	Eric	Inkster	<input type="checkbox"/>	
Vandette	Steven	Troy	<input checked="" type="checkbox"/>	
Wagoner	Bryan	Wayne County Airport Authority	<input type="checkbox"/>	
Wieczorek	Mike	Henry Ford College	<input type="checkbox"/>	

Meeting Date: 6/20/18

<i>Name</i>		<i>Community</i>	<i>Attended</i>	<i>Initials</i>
Wilson	Tom	Livonia	<input type="checkbox"/>	
Wineka	Jim	Oakland County	<input type="checkbox"/>	

Meeting Date: 6/20/18

<i>Name</i>	<i>Community</i>	<i>Attended</i>	<i>Initials</i>
Martin Hendges	mDEA	<input checked="" type="checkbox"/>	MH
Rachael Barlock	SEM COG	<input type="checkbox"/>	
John Deslippe	GMM-ADVISORS	<input checked="" type="checkbox"/>	JD
Trisha Dotson	Livonia	<input checked="" type="checkbox"/>	TD
Adam Gerlach	Plymouth City	<input checked="" type="checkbox"/>	AG
Steve Vandetto	City of Troy	<input checked="" type="checkbox"/>	SV
		<input type="checkbox"/>	
		<input type="checkbox"/>	
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		<input type="checkbox"/>	

ONGOING ARC GRANT PROJECTS STATUS – 11/9/2018

SAW Grant: Monitoring and Stormwater Management Planning

- Public Education
 - Public attitudes survey complete.
- IDEP
 - Completed outfall screening to identify priority areas for IDEP work.
 - Sent summary memo of results to each community.
 - Drafted a summary report for the entire watershed (attached to TC1 Budget Recommendation)
- Permit applications
 - Responses to MDEQ's first round of comments were sent by July 13th.
 - Responses to MDEQ's second round of comments were sent by Oct 30th, except Dearborn Hgts which is still outstanding.
- TMDL
 - The Collaborative TMDL Plan was updated to reflect MDEQ latest comments. However, MDEQ is asking for 100 sites to be sampled vs the 60 that are being proposed. Also, they have indicated that they will add sites once they review Wayne County's SWMP/IDEP plans.
 - The plan is on hold until MDEQ reviews Wayne County's SWMP/IDEP plans.
- Monitoring
 - The summary of 2017 water quality data is 99% complete.
 - Bacterial source tracking sampling was completed by counties – will be included in 2018 IDEP reports.
- Stormwater Financing
 - Finalized the financing report and reviewed with the pilot communities.
 - Incorporated community comments and finalized.
 - Also provided to OCWRC for legal review – a positive review was provided by OCWRC resulting in no edits to the report.

EPA Wayne County Rouge AOC Habitat Projects

- **Henry Ford Estate Dam Fish Passage**
 - The fishway channel is currently 95% completed with the overall project about 75% complete.
 - There was some unstable ground found that created some construction changes to stabilize the subgrade.
 - The downstream end of the fishway has been opened to the river and the upstream end is expected to be opened up the week of Nov 12th.
 - Work will stop this December and final cleanup and site restoration will occur in Spring 2019.
- **Oxbow Phase III Implementation**
 - Site work to began to the beginning of November 2018.
 - Currently the contractor is excavating the channel connection.
 - Work will continue over the winter and is expected to be completed in June 2018

GLRI USDA Forest Service

The ARC was awarded the grant from the USDA Forest Service for trees to "Mitigate Emerald Ash Borer (EAB) Impacts.

170831-0100 Community	Allowed Amount of Trees	IAA's Mailed	IAA's Rec'd	IAA's Sent Back	Submitted Tree Types	Tree Types Approved	Plan on Ordering	Plan on Planting	Community invoice received'	Signs Ordered	# of Signs to Receive	Signs Provided
Bingham Farms	10	1/31/2018	X	X	X	X	Winter 2018	Summer 2018	X	X	1	X
Bloomfield Twp.	89	1/31/2018	X	X	X		Spring 2019	Spring 2019		X	4	X
Canton	69	1/31/2018	X	X	X	X	Fall 18/Spring 19	Spring 2019		X	3	X
Farmington Hills	27	1/31/2018	X	X	X	X	Summer 2018	Fall 2018		X	2	X
Inkster	11	1/31/2018	X	X	X	X	Spring 2019	Spring 2019		X	1	X
Lathrup Village	14	1/31/2018	X	X	X	X	Spring 2018	5/31/2018		X	1	X
Novi	38	1/31/2018	X	X	X	X	Spring 2018	Fall 18/Spring 19		X	3	X
Oak Park	45	1/31/2018	X	X	X	X	Fall 18/Spring 19	Fall 18/Spring 19		X	3	X
Plymouth	51	1/31/2018	X	X	X	X	Fall 18/Spring 19	Fall 18/Spring 19		X	3	X
Redford Twp.	14	1/31/2018	X	X						X	1	
Southfield	91	1/31/2018	X	X	X	X	Spring and Fall			X	4	X
Troy	61	1/31/2018	X	X	X	X	Summer 18/Fall 18			X	3	X
Village of Franklin	10	1/31/2018	X	X	X	X	Spring 2018	6/15/2018		X	1	X
Walled Lake	14	1/31/2018	X	X	X	X	Spring/Fall 2018	Spring/Fall 2018	X	X	1	X
Wayne County	34		X	X	X	X				X	0	X
Westland	85	1/31/2018	X	X	X	X	Summer 18/Spring 19	Fall 18/Spring 19		X	4	X
Wixom	17	1/31/2018	X	X	X	X	Spring 2018	Spring 2018		X	2	X

MDEQ OGL Public Advisory Support

Held RRAC meeting in October 2018 and have another one scheduled for December 2018. Fish surveys by FOTR completed.

EPA Rouge River AOC Habitat Restoration Design- Tamarack/Fish Hatchery – The ARC received a grant from EPA for design engineering for the restoration of Tamarack Creek/wetland and habitat restoration on Johnson Creek at Fish Hatchery Park. These two priority projects were considered the next one that would have significant impact on the removal of the BUIs in the Rouge AOC.

- **Tamarack Wetland and Creek Restoration**

- QAPP was submitted and approved by EPA in October 2018 and field data collection began shortly thereafter.
- The project team has met with the OCWRC and MDOT to discuss the project with them.
- Design and permitting is expected to be completed by fall 2019

- **Johnson Creek Fish Hatchery Restoration**

- QAPP was submitted and approved by EPA in October 2018 and field data collection began shortly thereafter.
- Design and permitting is expected to be completed by fall 2019.

GRANTS SUBMITTED

None at this time.

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Accrual Basis

Alliance of Rouge Communities
Profit & Loss Budget vs. Actual
 December 2017 through December 2018

	Dec '17 - Dec 18	Budget
Ordinary Income/Expense		
Income		
47200 · Program Income		
4788 · 2018 ARC Membership Dues	316,477.00	316,476.00
Total 47200 · Program Income	316,477.00	316,476.00
48000 · Grants		
48811 · FS1 US Forestry EAB Restoration	0.00	0.00
48905 · WCGL1 Inv Spec Col 2014	0.00	1,000.00
48907 · SAW1 Stormwater Permit app 2015		
4890701 · SAW Repayment to State	40,707.52	
48907 · SAW1 Stormwater Permit app 2015 - Ot...	356,419.15	750,000.00
Total 48907 · SAW1 Stormwater Permit app 2015	397,126.67	750,000.00
48911 · GLC PAC Support 9 RRAC Fac17-18	20,186.79	20,186.79
48912 · GLC PAC Supt 10 RRAC Fac18-19	0.00	28,690.00
48914 · SAW Grant Match-contrib recvd	13,579.55	
60665 · WC EPA1 HFE Fishway	118,085.52	225,000.00
60666 · WC EPA2 Oxbow Phase 3	24,506.78	200,000.00
60667 · EPA3 Tamarack/Johnson Creek	15,710.00	583,220.00
60668 · FS3 2017 USDA Forest Service	2,342.50	100,000.00
Total 48000 · Grants	591,537.81	1,908,096.79
Total Income	908,014.81	2,224,572.79
Expense		
60400 · ARC Awards and Grants		
60410 · Executive Director Services		
60410.1 · OC1-Exec. Dir. Services	48,461.33	90,000.00
Total 60410 · Executive Director Services	48,461.33	90,000.00
60420 · Public Involv. & Education Com.		
60420.1 · PIE1-Col PEP/PPP Annual act.	26,432.83	45,560.00
60420.2 · PIE2-Col PEP/PPP 5yr activities	0.00	25,016.00
60420 · Public Involv. & Education Com. - Other	15.00	
Total 60420 · Public Involv. & Education Com.	26,447.83	70,576.00
60430 · Technical Committee		
60432.1 · TC1-Col IDEP/TMDL annual	25,888.09	79,600.00
60432.2 · TC2-Col IDEP/TMDL 5yr	0.00	11,384.00
60432.3 · TC3-5 yr large scale outfall	0.00	25,755.00
60432.4 · TC4-5 yr large scale monitoring	0.00	34,650.00
Total 60430 · Technical Committee	25,888.09	151,389.00
604606 · SPAC9-RRAC Facilitation 2017	20,186.81	12,000.00
604607 · SPAC10 RRAC Facilitation 2018	1,226.35	20,690.00
60602 · FS3 - US Forestry EAB2017	4,376.12	100,000.00
60662 · SAW1 - SW permits		
6066201 · SAW Grant PEP Plan	5,708.33	
6066202 · SAW Grant IDEP Plan	130,080.15	
6066203 · SAW Grant GH/P2	831.25	
6066204 · SAW Grant Admin	19,543.82	
6066207 · SAW Grant TMDL	134,752.51	
6066208 · SAW Grant SW Fund Frm	53,317.03	
6066209 · SAW Ecosystem monitoring	134,101.18	
999995 · SAW Grant Match-contrib submit	-10,184.66	
999996 · SAW Grant match-contrib recvd	13,579.55	
60662 · SAW1 - SW permits - Other	0.00	750,000.00
Total 60662 · SAW1 - SW permits	481,729.16	750,000.00

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Accrual Basis

Alliance of Rouge Communities
Profit & Loss Budget vs. Actual
 December 2017 through December 2018

	<u>Dec '17 - Dec 18</u>	<u>Budget</u>
60663 · WCGL1 - WC Inv Species Collab.	0.00	1,000.00
Total 60400 · ARC Awards and Grants	608,315.69	1,195,655.00
606651 · WC EPA1 HFE Fishway	110,711.94	225,000.00
606652 · WC EPA2 Oxbow Phase 3	21,965.50	200,000.00
606653 · EPA3 Tamarack/Johnson Creek	15,710.00	150,000.00
60900 · Business Expenses	49.00	
62100 · Contract Services		
62110 · FC1-Accounting Fees	17,394.00	18,000.00
62140 · FC1-Legal Fees	0.00	2,000.00
65120 · FC2-Insurance - D&O	936.00	1,500.00
65121 · Mailbox and web hosting fee	378.55	1,250.00
Total 62100 · Contract Services	18,708.55	22,750.00
65100 · Other Types of Expenses		
65160 · Other Costs	25.00	
Total 65100 · Other Types of Expenses	25.00	
Total Expense	775,485.68	1,793,405.00
Net Ordinary Income	132,529.13	431,167.79
Net Income	132,529.13	431,167.79

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Alliance of Rouge Communities
A/P Aging Summary
 As of November 9, 2018

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
David Chapman Agency	961.00	0.00	0.00	0.00	0.00	961.00
Environmental Consulting & Technolo...	27,515.10	0.00	0.00	0.00	0.00	27,515.10
Friends of the Rouge	2,000.00	0.00	0.00	0.00	0.00	2,000.00
Wayne County - DOE	0.00	5,034.00	0.00	0.00	0.00	5,034.00
TOTAL	<u>30,476.10</u>	<u>5,034.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>35,510.10</u>

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11/09/18

Alliance of Rouge Communities
A/R Aging Summary
 As of November 9, 2018

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
MDEQ SAW Grant	24,901.25	0.00	0.00	0.01	-0.01	24,901.25
Oak Park	0.00	0.00	0.00	0.00	182.00	182.00
Pontiac	0.00	0.00	0.00	0.00	0.00	0.00
Wayne County Airport Auth...	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	<u>24,901.25</u>	<u>0.00</u>	<u>0.00</u>	<u>0.01</u>	<u>181.99</u>	<u>25,083.25</u>

Alliance of Rouge Communities
ECT-ARC 2013 Contract, Appendix I
Scope of Services for
SAW Grant - Stormwater Management Plans, Monitoring & Funding
2nd Amended
Environmental Consulting & Technology, Inc.
May 1, 2015 – October 1, 2018

The total compensation for this scope of services is increased by \$72,749 to \$1,520,812. The ARC will be reimbursed by SAW for this cost minus the grant match requirement. All additional scope is presented in bold italics within the document and scope items removed are crossed out.

On April 4, 2018, the MDEQ sent the letters requesting additional information, clarification, and in some cases changes to the stormwater permit applications for 29 ARC members. ECT will prepare the application updates and response letters and submitted them to MDEQ by the due date (July 13, 2018).

Based on interactions with MDEQ grant staff, an executive summary of the grant funded activities will be developed to describe the deliverables completed under the grant. This is needed because MDEQ grant staff are not accustomed to a grant associated with multiple stormwater management plans and monitoring efforts (when they communicate with the ARC, they refer to one stormwater management plan instead of multiple plans).

Based on input from the Technical Committee, the following changes in activities will be carried out by ECT:

- Develop a SAW Grant Close Out Executive Summary (1 – 2 pages);
- Update the permit applications for 29 communities, develop responsiveness summaries and upload updated documents to MiWaters; and
- Remove field activities associated with monitoring dissolved oxygen at 5 sites.

The ARC will be 100% reimbursed by the SAW grant for all work associated with the current and amended scope less the required match that has already been set aside in the 2018 budget.

The Project:

The ARC is received a SAW grant in late 2015 to support development of member stormwater permit applications, as well as conduct ecosystem monitoring and develop a framework to finance stormwater projects at the local level.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The SAW scope of work is composed of 6 tasks:

- Task 1. Public Education Planning

- Task 2. IDEP Planning
- Task 3. Municipal Facility Pollution Prevention/Good Housekeeping Planning
- Task 4. TMDL Planning
- Task 5. Ecosystem Monitoring
- Task 6. Stormwater Funding Framework

SAW Grant Executive Summary

Staff will develop an executive summary outlining all the SAW Grant deliverables for MDEQ. This will be used to tie the different grant task deliverables into one “grant summary” for reporting purposes.

Task 1. Public Education Planning

- 1a. Public Participation Plan
 - Develop a procedure for public input on the member stormwater management plans.
- 1b. Collaborative Public Education Plan
 - Complete the plan with an estimate of cost to implement.
 - Negotiate as needed with MDEQ to come to consensus on plan content.
- 1c. Public Attitudes Survey
 - Develop and implement a stormwater attitudes and awareness public survey. Results from the survey will be compared to previous surveys to determine the change in the public’s attitudes. These results will be summarized in a report and provided to the MDEQ.

Task 2. IDEP Planning

- 2a. Collaborative IDEP Plan
 - Complete the plan with an estimate of cost to implement.
 - Negotiate as needed with MDEQ to come to consensus on plan content.
- 2b. Ordinance Review
 - Review each community’s existing ordinances to identify compliance with MDEQ’s IDEP Ordinance requirements.
 - Suggest modifications to existing ordinances as needed and provide to each community.

IDEP Methods Review

ARC staff will FOIA the MDEQ to obtain the last two stormwater progress reports submitted by Macomb County communities. The progress reports will be reviewed; and the number of identified illicit connections will be tallied and compared to the number found by the ARC during the same timeframe. The resulting data will be summarized in a written memo which may be used in permit negotiations with the MDEQ.

Outfall Screening

ED staff will review available information and develop a list of priority outfalls that require sampling. This will include review of the 2017 monitoring data, outfall characteristics, proximity to recreation areas, history of the area, and the previous IDEP report for each community (see

IDEP Plan, page 9). A list of priority outfalls will be developed for each community with the rationale for selection.

Each priority outfall will be inspected and sampled for E. coli according to the procedures outlined in Attachment C of the IDEP Plan. The resulting data will be analyzed, and suspicious discharges will be identified (see IDEP Plan, pages 9-10). A summary report will be developed for each community which identifies the outfalls screened, screening data, sampling results and suspicious discharges. In addition, a watershed-wide summary report will be prepared that identifies the suspicious outfalls across the watershed. For budgeting purposes, it is assumed that 450 outfalls will be screened and half of them will be discharging and subject to E. coli sampling.

Deliverables:

- *Priority outfall spreadsheet (by community)*
- *Outfall screening reports (by community)*
- *Suspicious discharge report (watershed wide)*

Task 3. Municipal Facility Pollution Prevention/Good Housekeeping Planning

3a. Municipal Facilities

- Inventory Municipal facilities prioritize for their potential impact on stormwater, and map stormwater controls on an aerial.
- Identify high priority facilities and develop a facility pollution prevention plan for each.

3b., 3c., and 3d. Storm Sewer System Maintenance

- Develop common and individual community SOPs for system maintenance.
- Prioritize street sweeping and catch basins and other controls for maintenance on a community basis.
- Review and update the Greater Lansing Area BMP manual to ensure applicability to ARC members.

3e. Assessment

- Develop consensus measurable goals and methods to assess effectiveness of the GH/P2 efforts.

3f. GH/P2 Training

- Develop a procedure for training municipal employees on GH/P2 and IDEP topics. The procedure will include a schedule and available training mechanisms.

3g. Contractor Requirements

- Identify what communities are currently using.
- Develop a one or more procedures for notifying contactors of the municipality's GH/P2 procedures and providing oversight to ensure these procedures are followed.

3h. Construction Runoff SOPs

- Develop permittee-specific standard operating procedures (SOPs) for managing stormwater from construction sites.

SWPPP Inspections

As requested by municipalities, high priority facilities will be inspected as required in stormwater pollution prevention plans. Inspections will be conducted by ARC staff or a subcontractor (i.e.: the community's MS4 consultant). In areas that are found to be inconsistent with the SWPPPs, recommendations for improvement will be provided. The inspection results will be documented for each facility and provided to the owner. For budget purposes, 20 facility inspections are assumed.

Task 4. TMDL Implementation Plan

- Develop a collaborative TMDL plan.
- Negotiate as needed with MDEQ to come to consensus on plan content.

Task 4.1 Stormwater Management Plan Compilation

The permittee-specific and collaborative items from Tasks 1 – 4 above, along with the permittees' approach to the post-construction stormwater management ordinance requirements, make up their stormwater permit application and Stormwater Management Plan. The ED will compile all documents into a Stormwater Management Plan for each member in preparation for submission to the MDEQ by April 1, 2016. The scope of work also includes meetings with the Technical and PIE committees, the individual member communities, MDEQ, and other stakeholders as deemed necessary to complete the tasks. Project and grant administration is also included in this scope of work.

MDEQ Application Responses and Update

Staff and subconsultants (HRC, OHM, JA) will provide updates to all community stormwater permit applications and supporting documentation based on the MDEQ letters. Additionally, staff and subconsultants will draft MDEQ letter responses for communities to send to the MDEQ. This work will be completed working with the communities and submitted by July 13, 2018.

Task 5. Ecosystem Monitoring

- Develop a sustainable monitoring plan that is expected to include Flow Monitoring, Dissolved Oxygen Monitoring, Macroinvertebrate Monitoring, and grab samples for E. coli, total suspended solids, and phosphorus. Grab sample collection may be completed with volunteers to minimize costs and support public education efforts.
 - Draft and enter into agreements with subcontractors (laboratory) and partners (USGS, FOTR).
 - Conduct monitoring.
 - Analyze data.
 - Prepare multiple technical reports and one summary report.

A. Additional monitoring activities being performed

ARC staff have been and are conducting the following additional activities associated with the SAW monitoring task:

- *Wayne County Construction Permit for stream gage installation. One of the locations required permitting by Wayne County. Therefore, staff collaborated*

with Wayne County and USGS to develop the permit application package and permit fee.

- Supply flow monitoring equipment to USGS. Flow monitoring equipment was rented for USGS in order to meet monitoring needs and deadlines.
- Communication with MDEQ regarding the DO impairments and potential delisting. Staff worked with MDEQ to review existing data to assist in the potential delisting of segments of the Rouge River
- Staff have added flow monitoring at 10 sites over the 20 weeks to help with flow duration curve development.
- Staff will be sampling at 90 sites instead of 70 sites originally proposed in order to refine and provide better rationale to MDEQ on the Collaborative IDEP Plan.

B. Dissolved oxygen monitoring

ARC staff has discussed with MDEQ Surface Water Assessment staff the data needed to remove portions of the Rouge River from the impaired waters list for low dissolved oxygen conditions. ARC staff will develop a sampling plan for MDEQ review and approval. ARC staff will secure a permit/permission to install dissolved oxygen probes at six road crossings. Currently, the following sites are anticipated:

1. ~~Main Branch at 7 Mile Road (M15)~~
2. ~~Ingersol Creek at Meadowbrook Road (MD18)~~
3. ~~Bell Branch at Inkster Road (U03)~~
4. ~~Upper Branch at Graham Road (U05)~~
5. ~~Tonquish Creek at Wayne Road (MD03)~~
6. ~~Johnson Creek at Napier Road (MD13)~~

Each of these locations is upstream of uncontrolled combined sewer outfalls as required by MDEQ.

Hourly dissolved oxygen readings will be recorded on a continuous basis at each location for a minimum of 2 months. Monitoring will include a variety of weather conditions (dry and wet) as required by MDEQ. Following the collection period, the probes will be removed and the site restored to previous conditions. The data will be summarized in a report and submitted to MDEQ to determine if the streams can be removed from the impaired waters list for due to low dissolved oxygen levels.

C. Bacterial source tracking analysis

ARC staff will

- Secure a laboratory to provide bacterial source tracking analysis to determine the presence of human DNA in water samples;
- Provide a standard operation procedure for sample collection; and
- Analyze up to 60 samples, and
- Assist in interpreting the results.

Samples will be collected and shipped to the lab by Wayne and Oakland county staff. Sample collection will be conducted during dry weather conditions. The results will be

summarized by each county. The sample collection and written report will be conducted using other funding sources.

Task 6. Stormwater Funding Framework

In lieu of working with the Alliance of Downriver Watersheds (who were not awarded a SAW grant), the ARC will build upon efforts being led by the Oakland County Water Resources Commissioners Office who is seeking legislative relief for communities to implement stormwater utilities. Based on their progress, the ED will

- (6a) Identify members who are interested in pursuing a stormwater utility. For two or three of these members, we will
- (6b) Analyze land cover data sets.
- (6c) Identify revenue potential and top rate payers for the communities.
- (6d) Develop a public outreach framework.
- (6e) Obtain legal advice.
- (6f) Prepare funding recommendations.

Deliverables:

- Collaborative PPP
- Collaborative PEP
- Public Attitude Survey Report
- Collaborative IDEP
- Permittee-specific Assessment of IDEP-related Codes/Ordinances
- Suggested language to modify existing ordinances (permittee-specific)
- Stormwater Outfall Map
- Permittee-Specific Municipal Facility Pollution Prevention Plans
- Permittee-Specific Catch Basin Prioritization Maps
- Permittee-Specific Street Sweeping Prioritization Maps
- GH/P2 SOPs
- Employee Training Plan
- Contractor GH/P2 Awareness and Oversight Procedures (permittee-specific)
- Collaborative TMDL Implementation Plan
- Monitoring Reports (technical reports and one summary report)
- Stormwater funding framework for two or three communities including a public outreach plan.
- Quarterly status reports
- ***MDEQ MS4 Community Permit Application Updates (and Response Letters)***
- ***Grant Close Out Executive Summary***



**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2018 BUDGET AMENDMENT: Executive Committee
Amendment 3**

Working together, restoring the river

REQUEST DATE: September 6, 2018

LINE ITEM: EPA3

COMMITTEE MAKING REQUEST: Finance Committee

BACKGROUND:

The EPA awarded a GLRI grant in the amount of \$583,220 to the ARC on 6/01/18. The project period is from 6/01/18 until 11/30/19. This grant is for the Rouge River AOC Habitat Design Projects at Tamarack Creek in Southfield and Johnson Creek Fish Hatchery Park in Northville. The ARC will develop project designs for future implementation.

The Tamarack Creek Stream and Wetland Restoration project, when implemented, will produce the following outputs:

- 2 acres of restored wetland
- 2 acres of created wetland
- 3,600 feet of restored stream
- 20 constructed habitat structures

The Johnson Creek Fish Hatchery Restoration project, when implemented, will produce the following outputs:

- Naturalize 400 feet of streambank
- Plant 30 native riparian trees
- Connect 0.5 acres of backwater habitat (the pond) to Johnson Creek
- Restore 0.2 acres of riparian habitat

DESCRIPTION:

Task 1. Grant Reporting/Administration/Public Outreach – Overall Grant/Projects

- Grant management and outreach
- HASP and QAPP
- Presentation with fact sheet for a public workshop in Northville on Fish Hatchery and Southfield on Tamarack.
- Preparation of a final report summarizing all completed activities and achieved outcomes.

Task 2. Preliminary Engineering & Field Investigation

- Topographical & Bathymetric Survey
- Hydrologic and Hydraulic Wetland Delineation & Vegetative Mapping
- Geotechnical Investigation
- Sediment Sampling
- T/E Species Survey
- Herpetological Assessment
- Biological Monitoring

Task 3. Design/Permitting

Complete the planning, engineering, and design collaboration to produce 30 percent design drawings. Following review and feedback, the design will be advanced to 50 percent. This will be repeated for a 95 percent design. Final plans and specifications will be developed following the last review. Work to obtain the joint permit application from MDEQ, including a pre-application meeting and the completion of an application for permit. Designs will incorporate:

- Cross-sectional Dimensions
- Wetland Restoration Approaches
- Grade Control Design
- Pond (Backwater) Restoration
- Surface runoff
- MDEQ Joint Application Permit
- MDOT Meetings to outline requirements, needs and expectations
- Basis of Design (BOD) for use in permitting and approvals

Task 4. Contract Documents & Contractor Selection

The design plans and technical specifications will be finalized into the construction contract documents to be used for bidding by member communities and incorporate all contractual front-end specifications, and all EPA grant requirements (signage, Davis Bacon, etc.). The ARC will also aid in the procurement of qualified contractors for each construction project by preparing for a pre-bid meeting, including a site visit; responding to questions for clarification on the documents; preparing, as needed, addendum for the bid process; analyzing the contractors' bids; and a budget versus bid analysis.

Task 5. Construction Oversight (potential future)

The ARC may provide construction oversight to confirm the project is being constructed in accordance with the project plans and specifications and to provide professional recommendations to potential field modifications.

RATIONALE (including why needed): Once this grant project is implemented, these designs will address three Beneficial Use Impairments (BUIs) associated with fish and wildlife habitat: Degraded Fish and Wildlife Populations, Degradation of Benthos, Loss of Fish and Wildlife Habitat. These designs will allow future funding to construct the project.

BUDGET (including how the amount requested was established): This amendment will add \$583,220 to the 2018 budget with any budget remaining at the end of 2018 incorporated into the 2019 budget as the project period is 6/1/18-11/30/19. The ARC will be reimbursed by 100% grant funds for this line item and it will not require any additional funds from the ARC.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: Work will be completed by the ARC Executive Director Staff and the Technical Committee Chair will oversee this task on behalf of the ARC.



October 10, 2018 Email vote:

Yea - 23

31

Nay - 0

DEPARTMENT OF PUBLIC SERVICES
KAREN MONDORA, P.E., DIRECTOR

October 2, 2018

Alliance of Rouge Communities
Executive Committee

RE: ARC Executive Director Services – Request for Proposals

A request for proposals for Executive Director and Operational and Technical Support Services was posted to the Michigan Intergovernmental Trade Network (MITN) on August 13, 2018. Two submittals were received on September 11th and a decision was made to issue an addendum and extend the deadline by one week to allow the opportunity to receive additional proposals. Two proposals were then opened on September 18th. The review panel chosen by the ARC included seven (7) members of the Executive Committee: Brandy Siedlaczek (Chair), Douge Moore (Vice-Chair), Jill Rickard, (Treasurer), Karen Mondora (Serving for Past Chair), Bob Belair (Wayne County representative), Charles Markus (Oakland County Representative), and Heather Rice (Washtenaw County representative). The respondents included Environmental Consulting and Technology, Inc (ECT) and a team comprised of Friends of the Rouge, OHM Advisors, and Natural Community Services (FOTR/OHM/NCS). Brandy recused herself due to a potential conflict of interest as she also serves on the FOTR Board of Directors.

The committee members used the evaluation scoring criteria noted in the RFP and prepared independent evaluations. The scores were then compiled and a conference call was held on October 2 to review the scores and make a recommendation. The committee unanimously recommends award of Executive Director Services to ECT subject to successful negotiation of a terms of service agreement. Key factors in this decision include the familiarity, longevity, and experience of ECT staff with the ARC organization. The estimated five-year cost associated with scope of work by ECT fits within the projected ARC budget.

The committee members welcome any questions or comments on the recommendation.

Sincerely,

Karen Mondora, PE

Cc: Bob Belair
Charles Markus
Doug Moore
Heather Rice
Jill Rickard

attachment

Evaluation Scoring Criteria

		Maximum Points	ECT	FOTR
Project Experience				
Executive Director Operational and Assistance Services		20		
MS4 Public Information and Education (PIE) Support Services		10		
MS4 Technical Support Services		15		
Other Technical Support Services (Env. Eng/Ecologh/Restoration)		5		
Rouge River AOC Habitat Restoration Services		5		
Cost and Anticipated Hours		5		
Key Staff Qualifications		25		
ARC/Rouge River Knowledge		15		
TOTAL		100		

Results of Independent Evaluations from RFQ Subcommittee

RFQ Subcommittee				
Results				
			ECT	OHM/FOTR
Charles Markus			89	87
Heather Rice			88	85
Jill Rickard			98	88
Bob Belair			92	71
Doug Moore			100	83
Karen Mondora			89	76
AVERAGE			92.7	81.7

TINA L. CUSAC

10317 DURHAM RD. CLARKSTON, MI 48348
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ALLIANCE OF ROUGE COMMUNITIES

INDEPENDENT AUDITOR'S REPORT
AND
FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

INDEPENDENT AUDITOR'S REPORT**FINANCIAL STATEMENTS -**

Statement of Financial Position

Statement of Activities

Statement of Cash Flows

Notes to the Financial Statements

**ALLIANCE OF ROUGE COMMUNITIES
STATEMENTS OF FINANCIAL POSITION
DECEMBER 31, 2017 AND 2016**

ASSETS

	<u>2017</u>	<u>2016</u>
CURRENT ASSETS:		
Cash and cash equivalents	\$ 142,269	\$ 282,358
Accounts receivable	290,060	153,057
Inventory	-	400
Prepaid expenses	<u>420</u>	<u>-</u>
TOTAL ASSETS	<u>\$ 432,749</u>	<u>\$ 435,815</u>

LIABILITIES AND NET ASSETS

CURRENT LIABILITIES:		
Accounts payable	\$ 222,475	\$ 177,275
Other payable	<u>89,070</u>	<u>-</u>
TOTAL LIABILITIES	311,545	177,275
NET ASSETS - unrestricted	<u>121,204</u>	<u>258,540</u>
TOTAL LIABILITIES AND NET ASSETS	<u>\$ 432,749</u>	<u>\$ 435,815</u>

See accompanying notes to the financial statements.

ALLIANCE OF ROUGE COMMUNITIES
STATEMENTS OF ACTIVITIES
FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

	2017	2016
REVENUE:		
Membership Dues	\$ 263,460	\$ 251,432
Grants	831,283	801,279
Contributions	9,235	21,627
Rain Barrel Sales, net of costs of \$400 and \$50	(375)	(25)
Total Revenue	1,103,603	1,074,313
EXPENSES:		
Organization Committee		
Executive Director Services	92,658	84,007
Public Involvement and Education Committee		
Green Infrastructure Campaign	505	17,848
Public Education Materials	15,835	19,891
Website Maintenance	35	3,148
Watershed Steward. & Reporting/Septic System	2,681	810
Public Education Campaigns	-	15,264
Other	43,592	-
Total Public Involvement and Education Committee	62,648	56,961
Technical Committee		
Rouge River Watershed Monitoring Activities	34,220	46,711
ARC Collaborative IDEP and E. coli TMDL Plan	50,592	52,271
Pursuing Grant Opportunities	-	6,325
Other	4,884	-
Total Technical Committee	89,696	105,307
Event		
GLR Breakfast	-	6,891
GLRI Projects		
Restoring Tree Canopy in the Rouge River	-	89,646
Invasive Species Control in the Rouge and Detroit Rivers	11,044	8,799
Henry Ford Estate Dam Fishway	48,002	-
Rouge Oxbow Restoration Phase 3	33,042	-
Total GLRI Projects	92,088	98,445
MDEQ/Great Lakes Commission Projects		
RRAC Facilitation 2015	-	15,712
RRAC Facilitation 2016	14,671	15,208
RRAC Facilitation 2017	8,795	-
Stormwater, Asset Management and Wastewater	753,368	437,535
Total Great Lakes Commission Projects	776,834	468,455

See accompanying to the financial statements.

ALLIANCE OF ROUGE COMMUNITIES
STATEMENTS OF ACTIVITIES
FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

	<u>2017</u>	<u>2016</u>
NOAA Projects		
Henry Ford Estate Dam Fish Passage	80,132	234,002
Erb Family Foundation		
Reorganization Investigation with Friends of the Rouge	381	1,342
General		
Legal and Accounting	18,413	14,849
Registration Fees	-	-
Insurance	923	910
Other	615	480
Total General	<u>19,951</u>	<u>16,239</u>
Total Expenses	<u>1,214,388</u>	<u>1,071,649</u>
CHANGE IN NET ASSETS	(110,785)	2,664
NET ASSETS - beginning of year	258,540	255,876
Prior period adjustment	<u>(26,551)</u>	<u>-</u>
NET ASSETS - end of year	<u>\$ 121,204</u>	<u>\$ 258,540</u>

See accompanying to the financial statements.

ALLIANCE OF ROUGE COMMUNITIES
STATEMENTS OF CASH FLOWS
FOR THE YEAR ENDED DECEMBER 31, 2017 AND 2016

	<u>2017</u>	<u>2016</u>
CASH FLOW TO OPERATING ACTIVITIES:		
CHANGE IN NET ASSETS	\$ (110,785)	\$ 2,664
Changes in operating assets and liabilities which increase (decrease) cash flow -		
Accounts receivable	(137,003)	197,887
Inventory	400	50
Prepaid expenses	(420)	-
Accounts payable	45,200	(72,703)
Other payable	<u>62,519</u>	<u>-</u>
NET CASH FROM OPERATING ACTIVITIES	<u>\$ (140,089)</u>	<u>\$ 127,898</u>
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	\$ (140,089)	\$ 127,898
CASH AND CASH EQUIVALENTS BALANCE - beginning of year	<u>282,358</u>	<u>154,460</u>
BALANCE - end of year	<u>\$ 142,269</u>	<u>\$ 282,358</u>
Supplemental disclosures of cash flow information:		
Cash paid during the year for:		
Interest	\$ -	\$ -
Income taxes	-	-

See accompanying notes to the financial statements.

**ALLIANCE OF ROUGE COMMUNITIES
NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016**

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

Nature of Organization

Alliance of Rouge Communities (ARC) was formed in 2005 as an unincorporated association operating under and authorized by Part 312 of the Michigan Natural Resources and Environmental Protection Act. ARC is a voluntary public watershed entity. Its members consist primarily of municipal governments located in Wayne, Oakland and Washtenaw counties. ARC's purpose is to encourage watershed-wide cooperation and mutual support to meet water quality permit requirements and to restore beneficial uses of the Rouge River to the area residents.

Basis of Accounting

The financial statements have been prepared on the accrual basis of accounting in accordance with generally accepted accounting principles.

Financial Statement Presentation

Financial statement presentation follows requirements of the Not-for-Profit Entities Topic of the Accounting Standards Codification. Net assets of ARC are classified as unrestricted, temporarily restricted, or permanently restricted. Contributions and income received by ARC are held in various funds which are classified as follows:

Unrestricted net assets consist of resources that are neither permanently restricted nor temporarily restricted by donor-imposed stipulations.

Temporarily restricted net assets consist of resources of which the use by ARC is limited by donor-imposed stipulations that either expire by the passage of time or can be fulfilled and removed by actions of ARC pursuant to those stipulations. As of December 31, 2017, ARC had no temporarily restricted funds.

Permanently restricted net assets would consist of beneficial interest in perpetual trusts and funds created by donors. There are no permanently restricted funds.

Cash and Cash Equivalents

The organization considers all cash and amounts due from depository institutions to be cash equivalents for purposes of the statement of cash flows.

**ALLIANCE OF ROUGE COMMUNITIES
NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016**

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued):

Revenue and Expenses

Membership dues are recognized in the period for which they cover. Dues cover the calendar year in which they are billed. Grant reimbursements are recognized in the period in which the reimbursable expenses are recognized.

One grantor and three grantors accounted for approximately 76% and 93% of grant revenue during the years ended December 31, 2017 and 2016, respectively.

Use of Estimates

The preparation of financial statements in conformity with general accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Income Tax Status

Alliance of Rouge Communities is exempt from federal tax under Section 501(c)(3) of the Internal Revenue Code. The Internal Revenue Service may examine the form 990 of the organization for a period of three years after the return is filed or the due date, whichever is later. Therefore, the organization is no longer subject to U.S. federal tax examinations by authorities for years before 2014.

NOTE 2 - RELATED PARTY TRANSACTIONS:

The Organization has a contract with ECT, Inc. for Executive Director services. The Executive Director is a shareholder and employee of ECT, Inc. The amount billed from ECT, Inc. for services and reimbursable expenses were \$922,007 for 2017 and \$739,811 for 2016.

NOTE 3 - CONCENTRATION OF CREDIT RISK:

The Organization maintains its cash account in a commercial bank located in Michigan. The account is guaranteed by the Federal Deposit Insurance Corporation (FDIC) up to \$250,000. At December 31, 2017, the balance was fully insured. At December 31, 2016, the balance exceeded the FDIC limit by \$32,358.

**ALLIANCE OF ROUGE COMMUNITIES
NOTES TO THE FINANCIAL STATEMENTS
FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016**

NOTE 4 - RECEIVABLES:

Accounts receivable consists of membership dues that have not been paid at the end of the year, submitted and unsubmitted requests for reimbursement from local and federal agencies under the various grant agreements.

The Organization believes all receivables are collectible and therefore no allowance for doubtful accounts has been recorded.

NOTE 5 - DONATED SERVICES:

The Organization received donated services from a non-profit organization and local government agencies for assistance with tasks related to the public involvement and education committee and technical committee. For the year ended December 31, 2017 and 2016, the total fair value of all donated services received was \$9,235 and \$21,627, respectively.

NOTE 6 - PRIOR PERIOD ADJUSTMENT:

Subsequent to year end, the Organization was notified by one of its grantor agencies that some of the expenses submitted for reimbursement under the grant agreement were not eligible for reimbursement. These ineligible expenses were reimbursed and included in grant income beginning in 2015 and continued through 2017. For the amount included in grant income for years prior to 2017, a prior period adjustment was made to correct for the error by recording the amount to be repaid to the grantor agency, which is included in other payable on the statement of financial position at December 31, 2017. Furthermore, one vendor who had billed the Organization for ineligible expenses agreed to issue a credit or reduction against its invoices owed by the Organization at December 31, 2017 for a portion of the amount originally billed. Therefore, the amount of the prior period adjustment recorded was as follows:

Ineligible expenses for years 2015 and 2016	\$	(51,454)
Vendor credit issued		24,903
		(26,551)
	\$	(26,551)

NOTE 7 - SUBSEQUENT EVENTS:

Subsequent events have been evaluated through August 2, 2018, the date which the financial statements were available to be issued.

ARC 5 YEAR BUDGET FOR OPERATIONAL AND PERMIT SERVICES

Budget Summary	2019	2020	2021	2022	2023
Balance Rollover (\$50k held as rainy-day savings)	\$ 20,000	\$ 35,251	\$ 42,332	\$ 75,458	\$ 73,906
ARC Recommended Dues (2% annual increase)	<u>\$ 322,805</u>	<u>\$ 329,261</u>	<u>\$ 335,846</u>	<u>\$ 342,563</u>	<u>\$ 349,415</u>
Estimated Funds Available	\$ 342,805	\$ 364,512	\$ 378,178	\$ 418,021	\$ 423,320
Operations and Permit Budget Costs	<u>\$ 307,554</u>	<u>\$ 322,180</u>	<u>\$ 302,720</u>	<u>\$ 344,115</u>	<u>\$ 342,221</u>
Year End Balance	\$ 35,251	\$ 42,332	\$ 75,458	\$ 73,906	\$ 81,099

Annual Operations and Permit Services						
	2019	2020	2021	2022	2023	Entity
Organization Committee						
ED1 Executive Director Operational Services	\$ 127,740	\$ 127,740	\$ 127,740	\$ 130,295	\$ 132,901	ED
ARC Operations - Direct Expenses	\$ 1,250	\$ 1,500	\$ 1,500	\$ 1,750	\$ 1,750	ARC
Organization Committee Total	\$ 128,990	\$ 129,240	\$ 129,240	\$ 132,045	\$ 134,651	
Finance Committee						
FC1 Accounting/Legal Services	\$ 19,000	\$ 19,000	\$ 19,500	\$ 19,500	\$ 20,500	ARC
FC2 ARC Insurance	\$ 1,000	\$ 1,000	\$ 1,500	\$ 1,500	\$ 1,500	ARC
Finance Committee Total	\$ 20,000	\$ 20,000	\$ 21,000	\$ 21,000	\$ 22,000	
ARC Operational Services Total	\$ 148,990	\$ 149,240	\$ 150,240	\$ 153,045	\$ 156,651	
Public Education and Involvement Committee						
PIE1 Collaborative PEP/PPP Annual permit activities	\$ 29,780	\$ 29,780	\$ 29,780	\$ 29,780	\$ 29,780	ED
Watershed Monitoring	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	
Printing and reporting	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	ARC/FOTR/WC
PIE2 Collaborative PEP/PPP -5yr Permit Cycle activities	\$ 20,584	\$ 23,270	\$ 9,050	\$ 15,570	\$ 11,110	ED
Permit Cycle Support	\$ 4,500	\$ 5,310	\$ 4,650	\$ 5,260	\$ 21,260	ARC/WC/FOTR
PIE Committee Total	\$ 74,864	\$ 78,360	\$ 63,480	\$ 70,610	\$ 82,150	
Technical Committee						
TC1 Collaborative IDEP/TMDL annual permit activities	\$ 20,800	\$ 20,800	\$ 20,800	\$ 20,800	\$ 20,800	ED
IDEP Investigation and Training	\$ 60,000	\$ 63,500	\$ 63,500	\$ 63,500	\$ 63,500	ARC/WC
TC2 Collaborative IDEP/TMDL 5yr permit cycle activities	\$ 2,900	\$ 10,280	\$ 4,700	\$ 36,160	\$ 19,120	ED
Technical Committee Total	\$ 83,700	\$ 94,580	\$ 89,000	\$ 120,460	\$ 103,420	
Total Amount Requested by All Committees	\$ 307,554	\$ 322,180	\$ 302,720	\$ 344,115	\$ 342,221	\$ 1,618,791

**Alliance of Rouge Communities
DRAFT 2019 Budget**

2019 Anticipated Dues from Communities	\$322,805	TOTAL 2019 ARC FUNDING	\$342,805
Rollover funds from 2018 Budget (estimate)*	\$20,000	TOTAL 2019 OUTSIDE FUNDING	\$820,500
Total ARC Dues Funds	\$342,805	TOTAL 2019 FUNDING	\$1,163,305
2019 ARC DueS Budget Items	<u>\$307,554</u>	TOTAL 2019 ACTIVITY COST (Committee & Grants)	<u>\$1,128,054</u>
2019 estimated balance (estimated 2020 rollover)	\$35,251	TOTAL 2019 ESTIMATED BALANCED (ALL SOURCES)	\$35,251

* \$50k has been set aside of the potential rollover for rain-day fund

Proposed ARC Budget Items	Activity Cost	ARC Dues	Funding Source					Other Source/Match	"Provider" Using Budget (1)
Organization Committee									
OC1 Executive Director Operational Services	\$ 127,740	\$ 127,740						ED	
ARC Operations - Direct Expenses	\$ 1,250	\$ 1,250						ARC	
Organization Committee Total	\$ 128,990	\$ 128,990							
Finance Committee									
FC1 Accounting/Legal Services	\$ 19,000	\$ 19,000						ARC	
FC2 ARC Insurance	\$ 1,000	\$ 1,000						ARC	
Finance Committee Total	\$ 20,000	\$ 20,000							
ARC Operational Services Total	\$ 148,990	\$ 148,990							
Public Education and Involvement Committee									
PIE1 Collaborative PEP/PPP Annual permit activities	\$ 29,780	\$ 29,780						ED	
Watershed Monitoring	\$ 5,000	\$ 5,000							
Printing and Reporting	\$ 15,000	\$ 15,000						ARC/FOTR/WC	
PIE2 Collaborative PEP/PPP -5yr Permit Cycle activities	\$ 20,584	\$ 20,584						ED	
Permit Cycle Support	\$ 4,500	\$ 4,500						ARC/WC/FOTR	
PIE Committee Total	\$ 74,864	\$ 74,864					\$ -		
Technical Committee									
TC1 Collaborative IDEP/TMDL annual permit activities	\$ 20,800	\$ 20,800						ED	
IDEP Investigation	\$ 67,500	\$ 60,000					\$ 7,500	WC/Outside	
TC2 Collaborative IDEP/TMDL 5yr permit cycle activities (1/5)	\$ 2,900	\$ 2,900						ED	
Technical Committee Total	\$ 91,200	\$ 83,700	\$ -	\$ -	\$ -	\$ -	\$ 7,500		
Total Amount Requested by All Committees	\$ 315,054	\$ 307,554	\$ -	\$ -	\$ -	\$ -	\$ 7,500		
Grants (2)									
	Activity Cost	ARC Match Dues	SPAC Grant	USFS	EPA	Wayne County	Other Source/Match	Outside Funding	
SPAC10 RRAC – Facilitation, habitat & fish thru 2/15/19	\$8,000	\$0	\$8,000						
WCEPA1 HFE Dam Fishway Implementation thru 11/1/19	\$50,000	\$0				\$50,000			
WCEPA2 Oxbow Restoration Phase 3 thru 11/1/19	\$200,000	\$0				\$200,000			
FS1 US Forest Service Tree Grant thru 9/30/19	\$80,000	\$0		\$80,000					
EPA3 Rouge AOC Habitat Tamarack & JC Hatchery thru 11/30/19	\$475,000	\$0			\$475,000				
Total Other Grants:	\$813,000	\$0	\$8,000	\$80,000	\$475,000	\$250,000	\$0		
TOTAL OUTSIDE FUNDING			\$8,000	\$80,000	\$475,000	\$250,000	\$7,500	\$820,500	

TOTAL ARC INCOME	\$342,805	Notes
TOTAL ARC DUES BUDGETED	<u>\$307,554</u>	(1) ED - Executive Director Services, WC - Wayne County, OC - Oakland County.
Available Unallocated ARC Budget (total income minus total ARC Dues budget)	\$ 35,251	(2) Dollar amounts may be adjusted throughout the year as they are estimates of what will be spent during the budget year.



ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2019 BUDGET RECOMMENDATION

Working together, restoring the river

REQUEST DATE: November 8, 2018

LINE ITEM: ED1 Executive Director Services

COMMITTEE MAKING REQUEST: Organization Committee

BACKGROUND: The ARC hired, through a public RFP process, Environmental Consulting & Technology (ECT) in October 2018 to provide Executive Director and Operational & Technical Support Services to the ARC for a 5-year period beginning in 2019.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The Executive Director Staff oversees the day-to-day affairs of the Alliance of Rouge Communities, including fiduciary and budgeting services included in Work Order No. 2019-ECT1. These duties for 2019 are summarized below (see Work Order for complete activities):

- **Executive Director Annual Services (\$127,740)**
 - **Operational Services** – Staffing, meeting preparation and facilitation of the full ARC (2 meetings); the Executive Committee (4 meetings); and the Finance Committee (2 meetings) and 1 meeting for other committees (organization, nominating etc.). This task includes the day-to-day ARC activities with staff, consultants and contractors, FOIA requests and activities to meet the Open Meetings Act requirements. This task includes communication with ARC members, administration of subcontractors and preparing the 2018 ARC Annual Report, market non-ARC member communities, coordinate activities with cooperating partners and RRAC, contract/IAA preparation, update policies/procedures, bylaws and strategic plan as necessary, budget preparations, and maintain storage of ARC records. This task also includes maintaining the ARC's accounting using Quickbooks to track payables and receivables and conducting all procedures associated with the ARC Accounting Procedures Manual. Staff will work with an outside accountant to prepare the ARC's taxes and audit annually. Staff will maintain/develop/review contracts and IAAs as necessary.
 - **Assistance Services** – Executive Director Staff will monitor, research and prepare up to 3 grant applications. Staff will maintain the ARC's logins and eligibility status under various agencies. Upon grant awards staff will conduct discussions with granting agencies and review grant awards and secure signatures. Executive Director Staff will promote the ARC as an advocate for the Rouge River Watershed and foster external relationships with other agencies, organizations and individuals. ARC staff will provide review/recommendations as necessary on various topics and serve on agency boards to promote the ARC. ARC Staff will coordinate presentations and activities with other watershed groups. ARC staff will respond to outside data/information requests. ARC staff will act as the primary liaison to state and federal agencies. ARC staff will staff the ARC booth at member community events and serve as primary liaison to all members and cooperating partners assisting with member questions and requests for information (general & technical). ARC staff will host the ARC's phone number and work with member communities to respond to citizen requests/concerns and conduct member surveys as necessary. ARC staff will also provide formal and informal interaction with government officials.
- **ARC Operational Direct Expenses (\$1,250)** – This includes web hosting fees and the ARC's mailbox fee.

RATIONALE: The ARC needs an executive director to manage its day-to-day activities and finances.

BUDGET: An estimated 2019 budget of \$128,990 for operational services is requested.

RECOMMENDATION: Executive Director Services: \$127,740 and ARC Direct: \$1,250.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Executive Director/ARC Staff will report to the ARC Chair.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2019 BUDGET REQUEST DRAFT

REQUEST DATE: November 8, 2018

LINE ITEM: FC1 – Accounting and Legal Services

COMMITTEE MAKING REQUEST: Finance Committee

BACKGROUND: The Alliance of Rouge Communities began budgeting for legal and accounting fees in 2010. In 2011 the ARC was designated by the IRS as a 501(c)(3) organization. Because of the federal grants received the ARC is required to provide an A133 audit if the ARC receives more than \$750,000 in federal funds. The ARC is also responsible for preparing taxes. This line item also provides budget for legal advice regarding contracts or other legal issues that may arise during the year.

DESCRIPTION OF ANTICIPATED ACTIVITIES: These funds will be used for the preparation of the taxes, preparation of the financial report and the A133 audit if required. These funds would also cover any legal issues that may arise related to the ARC.

RATIONALE: The budget allocation would cover the costs incurred by a law firm and accounting firm.

BUDGET: \$19,000 (legal - \$1,000, accounting - \$18,000). This budget item will be paid with 100% ARC dues.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Chair of the Finance Committee will oversee this task on behalf of the Finance Committee. The ARC Executive Director staff will work with the law firm and accounting firm.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2019 BUDGET REQUEST

REQUEST DATE: November 8, 2018

LINE ITEM: FC2 - ARC Insurance

COMMITTEE MAKING REQUEST: Finance Committee

BACKGROUND: In previous years, the ARC approved an insurance contract for liability insurance coverage for its directors and officers. This request is a continuation of the same policy coverage as in previous years.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The insurance is needed to protect the directors and officers (and any other ARC member) against claims filed against them as executives of the organization.

RATIONALE (including why needed): The ARC Bylaws require that the ARC have insurance.

BUDGET (including how the amount requested was established): The ARC has received a quote for insurance in the amount of \$961. ARC staff is recommending a budget of \$1,000 for 2019.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Executive Director will ensure the insurance coverage does not lapse in 2019.

ARC PIE Committee Budget Comparison
Permit Cycle (5-year) Annual Budgets

11/8/2018

Current Budget Request

5-Year Budget		2019	2020	2021	2022	2023	Source
PIE1	Collaborative PEP/PPP annual permit activities	\$ 29,780	\$ 29,780	\$ 29,780	\$ 29,780	\$ 29,780	ED Contract
	Watershed Monitoring	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	
	Printing and Reporting	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	ARC/FOTR/WC
PIE2	Collaborative PEP/PPP 5yr permit cycle activities	\$ 20,584	\$ 23,270	\$ 9,050	\$ 15,570	\$ 11,110	ED Contract
	Permit cycle support	\$ 4,500	\$ 5,310	\$ 4,650	\$ 5,260	\$ 21,260	ARC/WC/FOTR
Budget Total		\$ 74,864	\$ 78,360	\$ 63,480	\$ 70,610	\$ 82,150	



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ALLIANCE OF ROUGE COMMUNITIES

FINANCE COMMITTEE

2019 BUDGET RECOMMENDATION

REQUEST DATE: November 6, 2018

LINE ITEM: PIE1 & PIE2

COMMITTEE MAKING REQUEST: PIE Committee

BACKGROUND: The activities outlined below will meet the requirements detailed in the ARC's Collaborative PEP/PPP approved in 2017 and at the same time continue the efforts of the PIE committee with an increased focus on maintaining consistent messaging. By building upon materials created over the past few years, we will continue our efforts of raising the public awareness of the Rouge River Watershed and the impact they can have on water quality during everyday activities

RATIONALE: These actions will fulfill those best management practices (BMPs) identified in the ARC Collaborative PEP/PPP.

TOTAL 2019 BUDGET REQUEST: \$74,864

DESCRIPTION OF ANTICIPATED ACTIVITIES:

Total PIE1 – 2019 Annual Permit Activities	\$49,780
<i>Collaborative PEP/PPP Annual permit activities</i>	<i>\$29,780</i>
<i>Watershed Monitoring</i>	<i>\$ 5,000</i>
<i>Printing and reporting</i>	<i>\$15,000</i>

MON1 – Support for Watershed Monitoring Activities

This task will support winter stonefly monitoring and spring/fall bug hunts along with other volunteer monitoring training/presentations.

BMP0 – PIE Committee Support and PPP (ARC Staff, FOTR, Wayne County)

This task will include holding up to 2 PIE Committee meetings if necessary. ARC Staff will provide meeting facilitation, agendas and handouts. ARC Staff will also report on topics of interest to the PIE Committee throughout the year and will develop budget recommendations and provide supporting documentation. This task will also include documentation of public comments on the Collaborative Plans and will promote the Plans on the ARC website and Facebook. ARC Staff will also participate in regional partnership activities on behalf of the ARC members. ARC Staff, Wayne County and Friends of the Rouge will also prepare the annual reporting information for the ARC Members.

BMP1 – Design/Distribute Materials (ARC Staff, ARC Direct)

ARC Staff will create at least 24 Facebook posts on topics detailed in the Collaborative PEP annually and document social media followers. ARC Staff will distribute public education materials to ARC members to display at their facilities. This task will also include \$12,500 to print materials and giveaways like the pet waste containers and fertilizer clips.

BMP2 – Articles/Ad Graphics (ARC Staff)

ARC Staff will coordinate/distribute new and existing articles and ad graphics. ARC Staff will develop strategies to increase the ARC visitors to the website and Facebook.

BMP3 – Displays & Posters (ARC Staff)

ARC Staff will rotate the ARC displays in 3-4 ARC member community's facilities or events.

BMP4 – Promote Hotlines and Educate on IDEP (ARC Staff)

ARC Staff will promote environmental hotlines to educate the public on illicit discharges and promote public reporting of illicit discharges and improper disposal of materials into the Rouge River through materials and the ARC's website and Facebook.

BMP7 – Promote & Support Volunteer Activities (ARC Staff)

ARC Staff will promote Rouge River volunteer activities such as Rouge Rescue and local water festivals on the ARC's website and Facebook and provide information to ARC Members to assist in their promotion of these activities.

BMP8 – Promotion of and Support for Volunteer Monitoring Activities within the Rouge River Watershed (ARC Staff)

ARC Staff will assist ARC members with planning and coordinating volunteer monitoring activities and promote them on the ARC's website and Facebook.

PIE2 –2019 Permit Cycle Activities	\$25,084
<i>Collaborative PEP/PPP 5 yr. permit cycle activities</i>	<i>\$20,584</i>
<i>Permit cycle support</i>	<i>\$ 4,500</i>

BMP0 – PIE Committee Support (ARC Staff)

ARC Staff will survey members regarding any local public notice requirements and meet them as appropriate. ARC Staff will invite the public to participate in the implementation and review of the permit once in 2019 which will include advertising it on the ARC website and Facebook and ARC member and partner websites.

BMP1 – Design/Distribute Materials

No anticipated activities in 2019.

BMP2 – Articles/Ad Graphics (ARC Staff)

ARC Staff, with PIE Committee oversight, will distribute existing and create 1 new article and 1 new ad graphic on topics detailed in the Collaborative PEP for use by ARC Members in their community newsletters, website and social media.

BMP3 – Displays and Posters

No anticipated activities in 2019.

BMP5 – Development of Homeowner Education Materials (ARC Staff)

ARC Staff will develop strategies to distribute the homeowners brochure through homeowner packets and other avenues throughout the ARC member communities. This will include researching homeowner associations and ARC member and community programs.

BMP6 – Workshops & Presentations (ARC Staff, ARC Direct, Wayne County)

The ARC will fund 2 River Residency Workshops in Green Schools within the ARC communities using the University of Michigan’s River Table and/or Wayne County will conduct up to 4 workshops with Rouge community schools to raise student awareness of stormwater management and river stewardship. This will include budget for use of the River Table along with time for Wayne County to organize these workshops. ARC Staff will host 1 webinar on another topic such as septic systems or stewardship activities. Past in-person workshops have shown low attendance, so ARC Staff feel we may get more attendees along with a different demographic using the webinar technology.

BMP7 – Promote & Support Volunteer Activities

No anticipated activities in 2019.

BMP9 – Rouge River Watershed Signage (ARC staff)

ARC Staff will begin surveying the Rouge River Watershed signage (“you are entering the Rouge River Watershed – Ours to Project” street signs) with roughly half of the watershed surveyed in 2019 (the remainder surveyed in 2020). This will include coordination with ARC member communities to determine if they have previously documented sign locations. This will also include field staff traveling throughout the watershed to GPS signs and document condition.

Person/Agency Responsible for Implementation:

The Chair of the Public Involvement and Education Committee and ARC staff will oversee these tasks on behalf of the PIE Committee. Wayne County and FOTR will coordinate presentations and workday events and generate an annual report on its activities.

2019 Budget Allocation:

TASK	RESPONSIBLE PARTY	BUDGET
PIE1: 2019 Annual Activities	ARC Staff	\$29,780
	ARC Direct	\$12,500
	Monitoring	\$5,000
	FOTR	\$1,500
	Wayne County	\$1,000
<i>Sub-total PIE1</i>		<i>\$49,780</i>
PIE2: 2019 Permit Cycle Activities	ARC Staff	\$20,584
	ARC Direct	\$1,000
	Wayne County	\$3,500
<i>Sub-total PIE2</i>		<i>\$25,084</i>
TOTAL 2019 PIE Budget		\$74,864

ARC Technical Committee Budget Comparison
Amount in 5-Year Budget vs Amount Requested

11/7/2018

5-Year Budget		2019	2020	2021	2022	2023	Source
TC1	Collaborative IDEP/TMDL annual permit activities	\$ 20,800	\$ 20,800	\$ 20,800	\$ 20,800	\$ 20,800	ED Contract
	IDEP Investigation and Training	\$ 63,500	\$ 63,500	\$ 63,500	\$ 63,500	\$ 63,500	ARC 5-Yr Budget
TC2	Collaborative IDEP/TMDL 5yr permit cycle activities	\$ 2,900	\$ 10,280	\$ 4,700	\$ 36,160	\$ 19,120	ED Contract
Budget Total		\$ 87,200	\$ 94,580	\$ 89,000	\$ 120,460	\$ 103,420	

Amount Requested		2019	2020	2021	2022	2023
TC1	Collaborative IDEP/TMDL annual permit activities	\$ 20,800				
	IDEP Investigation and Training	\$ 60,000				
TC2	Collaborative IDEP/TMDL 5yr permit cycle activities	\$ 2,900				
Request Total		\$ 83,700				

Difference (negative values indicate overbudget)	\$ 3,500				
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**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2019 Budget Recommendation
Technical Committee**

REQUEST DATE: November 7, 2018

LINE ITEM: TC1 – Annual Permit Activities

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: This request supports the implementation of the Collaborative IDEP Plan that was approved by MDEQ on September 29, 2017. This plan directly supports the stormwater permit applications for the ARC members listed in Table 1.

Table 1. ARC Members Participating in the Collaborative IDEP Plan

COMMUNITIES		
Beverly Hills, Village of	Franklin, Village of	Oak Park, City of
Bingham Farms, Village of	Garden City, City of	Plymouth, City of
Birmingham, City of	Inkster, City of	Plymouth Township
Bloomfield Hills, City of	Lathrup Village, City of	Redford Township
Bloomfield Township	Livonia, City of	Southfield, City of
Canton Township	Melvindale, City of	Troy, City of
Dearborn Heights, City of	Northville, City of	Walled Lake, City of
Farmington, City of	Northville Township	Wayne, City of
Farmington Hills, City of	Novi, City of	West Bloomfield Township
		Westland, City of
COUNTIES	SCHOOLS	
Oakland County	Henry Ford College	
Wayne County		

The Collaborative IDEP Plan elements to be addressed in this budget request are as follows:

- IDEP BMP #3. Investigations
- IDEP BMP #4. Training
- IDEP BMP #5. Pollution Complaints

In addition, technical committee meetings are included to facilitate the implementation of the IDEP Plan.

The outfall screening conducted in 2018 identified 21 outfalls that require follow-up investigations and 24 outfalls that need to be resampled as showed in Attachment A. These efforts are the focus of the Investigations BMP.

DESCRIPTION OF ANTICIPATED ACTIVITIES:**Meetings and Facilitation.** Executive Director (ED) staff will

- Conduct two Technical Committee meetings including preparation of agenda and handouts; meeting facilitation; and the distribution of meeting summaries including recommendations for the Executive Committee;
- Develop budget recommendations for the following year's budget and provide supporting documentations;
- Survey members on various topics as necessary including the identification of additional priority areas; and
- Report on topics of interest to the Technical Committee throughout the year.

IDEP BMP #3a and 3b: IDEP Investigations. Conduct concentrated field investigations in priority areas to further isolate problem areas, identify illicit connections, and take corrective action to remove them. Work within Wayne County will be addressed by Wayne County staff with oversight by ED staff. Work within Oakland County will be undertaken by ED staff unless it falls within a county drain. County drain work will be undertaken by county staff outside of the ARC's budget. The field work will involve a combination of sampling, dye testing, smoke testing and CCTV inspections, as necessary, to locate illicit discharge sources. A report will be prepared by ED and WC staff to summarize the results of their investigations and recommended next steps for subsequent years.

Prior to expending budget for this task, Wayne County and ED staff will each present a scope of work and budget for review and approval by the Technical Committee. An inter-agency agreement will be drafted by the ED staff for approval by Wayne County.

IDEP BMP #4. IDEP Training. ED staff will coordinate with SEMCOG to schedule an IDEP Investigator and Stormwater Pollution Prevention training. Coordination of this training is included in the ARC's budget, but facility, administration and presenter costs will be funded by others.

ED staff will also present two IDEP Alert Observer Training sessions. The identical sessions will be 30 minutes in length and held at two separate locations. ED staff will prepare the training content, plan the sessions, secure training sites and advertise the trainings. Facility costs, if any, are expected to be covered by ARC members.

IDEP BMP #5. Pollution Complaints. ED staff will maintain a list of IDEP investigator contacts for each permittee. This list will be shared with the permittees to aid in cross jurisdiction investigations.

RATIONALE (including why needed): These tasks are consistent with the Phase II permit and the MDEQ-approved Collaborative IDEP Plan.

BUDGET (including how the amount requested was established): The estimated total budget for this initiative is \$88,400 as summarized in the table below. A portion of this funding (\$80,900) will be provided by ARC dues. The remaining funding (\$7,500) will be provided by Wayne County as matching effort. The detail for the ED's budget can be found in the ED's contract.

Budget Item	Amount	Match	Responsible Party
Meetings and Facilitation 3a. IDEP Oversight 4. IDEP Training 5. Pollution Complaints	\$20,900		ED
3b. IDEP Investigations*	\$30,000		ED
	\$30,000	\$7,500	WC
Total	\$80,900	\$7,500	

*Scopes of work to be defined and approved prior to budget expenditures.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The responsible parties for each element are outlined in the table above. The Chair of the Technical Committee will oversee completion of the scope of work on behalf of the ARC.

To: ARC Technical Committee
From: Annette DeMaria, ARC Staff
Date: September 20, 2018
Re: Results of 2018 Outfall Screening



Each of you have received the results of the outfall screening conducted in your community. To give you a perspective of the conditions in the entire watershed, we have compiled the individual community results for your information.

There are 1,505 outfalls regulated by the MS4 permit in the Rouge River watershed that are owned by cities and villages within the ARC¹. There are an additional 81 outfalls owned by townships which brings the total number of regulated community outfalls to 1,585. The number of outfalls owned by county agencies is still being determined.

Of the 1,505 outfalls, 471 (31%) were identified as priority for screening. These outfalls were screened in 2018 and classified for additional investigations according to the Rouge River Collaborative IDEP Plan. The results of the screening are summarized in Table 1 and Figure 1. Additional details are provided in Attachment A.

Table 1. 2018 Outfall Screening Results Summary

Investigation Category	Number/Percent of Outfalls	Next Steps
A: E. coli > 10,000 or Unexplained physical conditions	11 (2%)	Begin IDEP investigations in 2019
B: E. coli btw 5,001 and 10,000	10 (2%)	Begin IDEP investigations in 2020 or later
C: E. coli btw 1,001 and 5,000	24 (5%)	Resample twice more within 12 months. If any E. coli value is above 5,000, then investigate.
D: E. coli ≤ 1,000	426 (91%)	No further action

E. coli values in cfu/100 mL

Of the 471 outfalls, 21 (Categories A and B) require additional investigations to determine if an illicit discharge is present. Two-thirds of these outfalls are owned by communities in Wayne County and the remaining are in Oakland County (Table 2 and Figure 2).

Twenty-four outfalls (Category C) need to be resampled within the next 12 months (Table 2 and Figure 2). If each of three results remain at or below 5,000 cfu/100 mL, then no further action is needed. However, if any one of the three results are above 5,000 cfu/100 mL, then the outfall will be moved to Category B.

¹ Outfall prioritization and screening was not required in townships, so they are not the subject of this memo.

Lastly, 426 (91%) of the outfalls were in Category D which requires no further actions during this permit cycle (unless unusual conditions are noted, or a complaint is received).

Table 2. Additional Investigation requirements by Community

Number of Outfalls				
Community	Category A	Category B	Category C	Category D
Beverly Hills	1		2	12
Bingham Farms				5
Birmingham	1			23
Bloomfield Hills				14
Dearborn Heights			3	7
Farmington		2	1	13
Farmington Hills	2			45
Franklin				2
Garden City				1
Inkster				4
Livonia	4	6	9	118
Melvindale				2
Northville	1		3	9
Novi		1		7
Plymouth	1	1	2	20
Southfield				16
Troy				11
Walled Lake			1	5
Wayne			2	50
Westland	1		1	62
Total	11	10	24	426

Follow-up investigations and resampling will be undertaken by the ARC beginning in 2019. The recommended approach will be discussed at an upcoming Technical Committee meeting. Individual communities may wish to proceed with investigations outside of the ARC. Please contact ARC staff if you take this course of action, so efforts are not duplicated.

If you have any questions, please contact me at 313-963-6600 or ademaria@ectinc.com.

Legend

- Category A [E. coli >10,000* or unexplained physical characteristics]
- Category B [E. coli between 5,001 and 10,000*]
- Category C [E. coli between 1,001 and 5,000*]
- Category D [E. coli < 1,000*]
- S Could not locate
- Rouge River & Tributaries
- Roads
- CTV boundaries
- Lakes

*MPN/100 mL

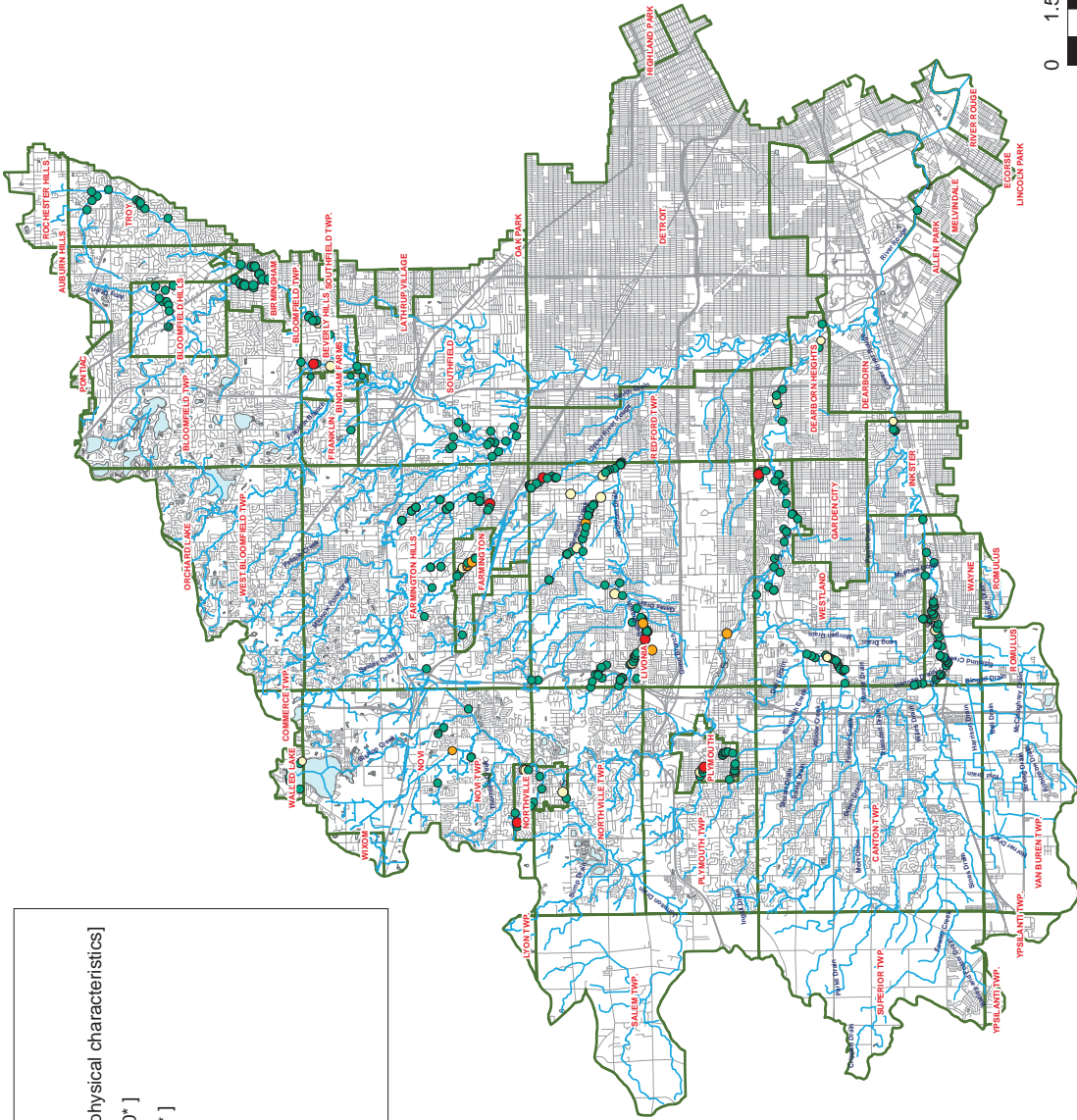


Figure 1. Rouge River Watershed 2018 Outfall Survey Results



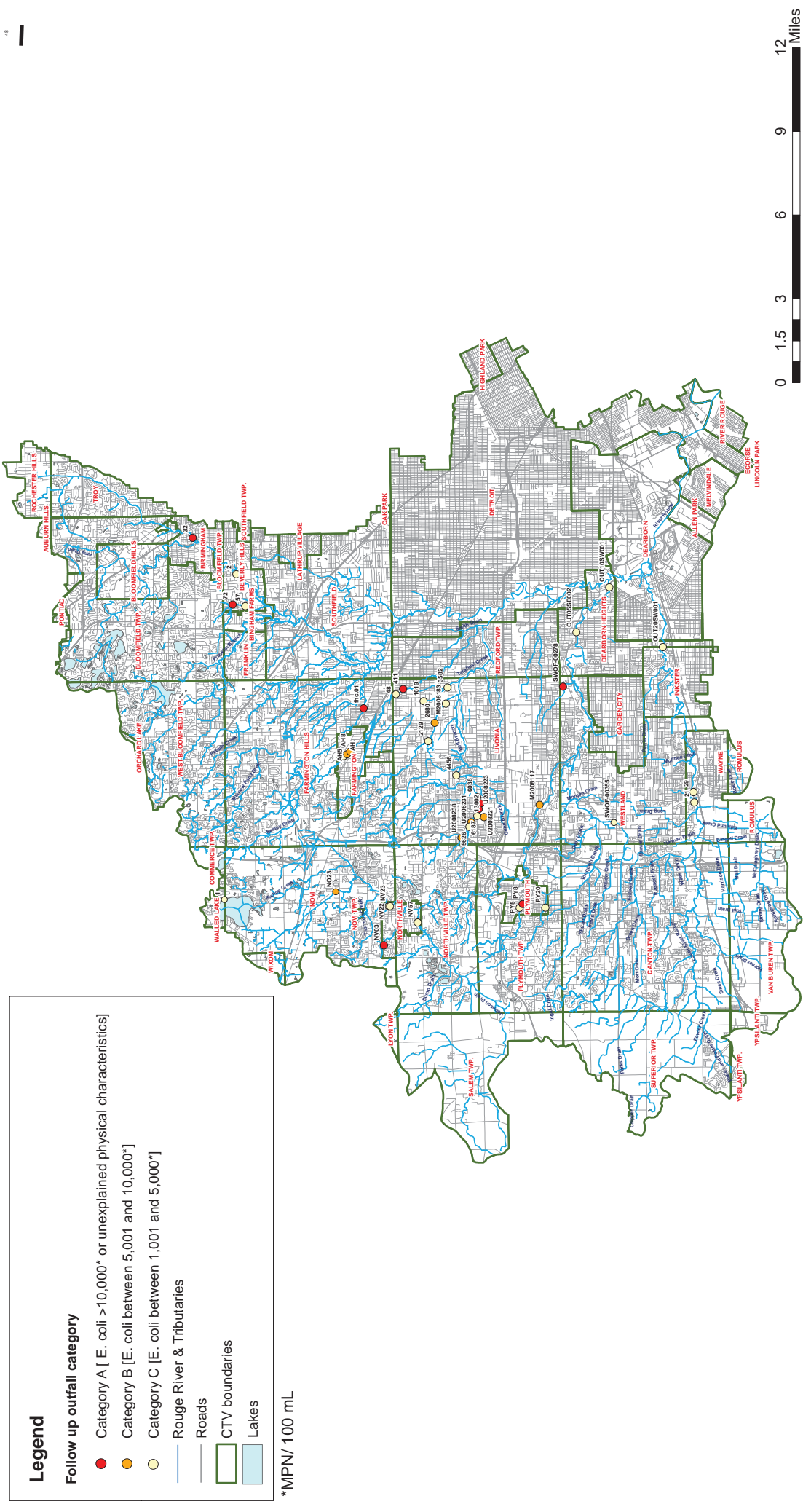


Figure 2. Rouge River Watershed Outfalls Requiring Additional Investigations

Attachment A.

2018 Outfall Screening Details – Categories A, B and C (arranged by E. coli Concentration)

City	Outfall ID	Investigation Category	Diameter (in)	Material	E.coli MPN/100 mL	Comment
Westland	SWOF-00278	A	54		NA	physical conditions
Livonia	U2008220B	A	18	RCP	NA	physical conditions
Farmington Hills	fhc54B	A		RCP	10	physical conditions
Farmington Hills	fhc.01	A	21	RCP	>24,196	
Plymouth	PY8	A	36	Clay	>24,196	
Livonia	U2008221	A	30	RCP	>24,196	
Livonia	411	A	42	RCP	>24,196	
Northville	NV03	A	48	RCP	24,196	
Livonia	U2008223	A	24	RCP	17,329	
Birmingham	32	A	24	Concrete	12,997	
Beverly Hills	66	A	24	Concrete	12,033	
Livonia	6038	B	36	RCP	9,208	
Farmington	AH5	B	18	RCP	8,664	
Livonia	13002	B	76	RCP	8,664	
Novi	NO23	B	18	RCP	7,701	
Farmington	AH8	B	18	CMP	7,270	
Livonia	U2008231	B	12	CMP	7,270	
Livonia	M2008117	B	72	RCP	7,270	
Plymouth	PY27	B	24	RCP	6,488	
Livonia	U2008238	B	36x48	RCP	6,131	
Livonia	2680	B	36x48	RCP	5,172	
Wayne	21	C	36	RCP	4,352	
Livonia	5626	C	36	RCP	4,352	
Northville	NV57	C	unknown		3,873	
Westland	SWOF-00355	C	36		3,255	
Beverly Hills	51	C	24	CMP	3,076	
Northville	NV23	C	42	RCP	3,076	
Wayne	29	C	30	RCP	3,076	
Northville	NV22	C	42	RCP	2,755	
Dearborn Heights	OUT10SW001	C	unknown	RCP	2,400	
Livonia	3582	C	48x36	RCP	2,382	
Livonia	48	C	29x46	RCP	2,282	
Dearborn Heights	OUT20SW001	C	36	RCP	2,098	
Livonia	M2008183	C	36	RCP	2,064	
Livonia	1619	C	72	RCP	2,064	
Livonia	6187	C	120	RCP	1,935	
Walled Lake	1	C	12	CMP	1,670	
Livonia	2129	C	36	RCP	1,607	
Plymouth	PY5	C	30	RCP	1,500	
Beverly Hills	2	C	12	CMP	1,334	
Farmington	AH	C	24	CMP	1,296	
Plymouth	PY20	C	48	RCP	1,274	
Livonia	U2008220	C	18	RCP	1,198	
Dearborn Heights	OUT05SE002	C	36	CMP	1,054	
Livonia	4456	C	36	CMP	1,050	
Investigation Categories:	A: <i>E. coli</i> >10,000 MPN/100 mL or Unexplained physical characteristics				Next Steps:	Investigate
	B: <i>E. coli</i> between 5,001 and 10,000 MPN/100 mL					Investigate
	C: <i>E. coli</i> between 1,001 and 5,000 MPN/100 mL					Resample (twice)



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**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2019 Budget Recommendation
Technical Committee**

REQUEST DATE: November 7, 2018

LINE ITEM: TC2 – 5-Year Permit Cycle Activities

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: This request supports the implementation of the Collaborative IDEP Plan that was approved by MDEQ on September 29, 2017. This plan directly supports the stormwater permit applications for the ARC members listed in Table 1.

Table 1. ARC Members Participating in the Collaborative IDEP Plan

COMMUNITIES		
Beverly Hills, Village of	Franklin, Village of	Oak Park, City of
Bingham Farms, Village of	Garden City, City of	Plymouth, City of
Birmingham, City of	Inkster, City of	Plymouth Township
Bloomfield Hills, City of	Lathrup Village, City of	Redford Township
Bloomfield Township	Livonia, City of	Southfield, City of
Canton Township	Melvindale, City of	Troy, City of
Dearborn Heights, City of	Northville, City of	Walled Lake, City of
Farmington, City of	Northville Township	Wayne, City of
Farmington Hills, City of	Novi, City of	West Bloomfield Township
		Westland, City of
COUNTIES	SCHOOLS	
Oakland County	Henry Ford College	
Wayne County		

The Collaborative IDEP elements to be addressed in this budget request are as follows:

- IDEP BMP #1. Storm Sewer GIS
- IDEP BMP #9. Effectiveness Reporting

DESCRIPTION OF ANTICIPATED ACTIVITIES:

IDEP BMP #1. Storm Sewer GIS. ED staff will request updates to communities' storm sewer and outfall GIS layers. As of November 2018, storm sewer GIS has already been supplied from 20 of 29 permittees and outfall GIS data has been collected from 28 of 29 permittees. The missing information is noted below.

Community	Still Need Outfalls in GIS	Still Need Storm Sewer in GIS
Beverly Hills		X
Bingham Farms		X
Birmingham		X
Bloomfield Township		X
Franklin		X
Lathrup Village		X
Livonia	City is updating	
Melvindale		X
Redford Township		X
Walled Lake		X

IDEP BMP #9. Effectiveness Reporting. ED staff will develop a reporting format to compile assessment metrics associated with the Collaborative IDEP Plan. The next Assessment Metrics report is due February 28, 2020.

RATIONALE (including why needed): These tasks are consistent with the Phase II permit and the MDEQ-approved Collaborative IDEP Plan.

BUDGET (including how the amount requested was established): The estimated total budget for this initiative is \$2,900 which will be funded by ARC dues. The detail for the budget can be found in the ED's contract.

Budget Item	Amount	Responsible Party
1. Storm sewer GIS 9. Effectiveness Reporting	\$ 2,900	ED

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The responsible parties for each element are outlined in the table above. The Chair of the Technical Committee will oversee completion of the scope of work on behalf of the ARC.