



Working together, restoring the river

*James W. Ridgway, P.E.
Executive Director*

DRAFT AGENDA EXECUTIVE COMMITTEE MEETING

Tuesday, October 25, 2011, 1:30 p.m.
Farmington Hills City Hall – 31555 W. Eleven Mile Rd.

1. **Welcome** – Gary Mekjian, Chair
2. **Roll Call of Members** (ECT) and record of others present

<i>Alliance of Rouge Communities Executive Committee</i>		
Officers		
Chair	Gary Mekjian	Farmington Hills
Vice-Chair	Kevin Buford	Westland
Treasurer	Don Rohraff	Livonia
Past Chair	Tim Faas	Canton Twp.
Counties		
Oakland Co. – Rep.	John McCulloch	OCWRC
Oakland Co. – Alt.	Jim Wineka	OCWRC
Oakland Co. – Alt.	Joseph Colaianne	OCWRC
Washtenaw Co.- Rep.	Janis Bobrin	WCWRC
Washtenaw Co.- Alt.	Meghan Bonfiglio	WCWRC
Wayne Co. - Rep.	Kelly Cave	WCDPS
Wayne Co. - Alt.	Noel Mullett	WCDPS
SWAGs		
Main 1 & 2 - Rep.	Brandy Siedlaczek	Southfield
Main 1 & 2 - Alt.	Wayne Domine	Bloomfield Township
Main 3 & 4 - Rep.	Jim Murray	Dearborn
Main 3 & 4 - Alt.	Vacant	
Upper - Rep.	Vacant	
Upper - Alt.	Kevin Maillard	Livonia
Middle 1 - Rep.	Vacant	
Middle 1 - Alt.	Aaron Staup	Novi
Middle 3 - Rep.	Jack Barnes	Garden City
Middle 3 - Alt.	Kevin Buford	Westland
Lower 1 - Rep.	Bob Belair	Canton Township
Lower 1 – Alt.	Vacant	
Lower 2 - Rep.	Ramzi El-Gharib	Wayne
Lower 2 - Alt.	Tom Wilson	Romulus

Auburn Hills
Beverly Hills
Bingham Farms
Birmingham
Bloomfield Hills
Bloomfield Twp.
Canton Twp.
Commerce Twp.
Dearborn
Dearborn Heights
Farmington
Farmington Hills
Franklin
Garden City
Henry Ford Community
College

Lathrup Village
Livonia
Melvindale
Northville
Northville Twp.
Novi
Oak Park
Oakland County
Orchard Lake
Plymouth
Plymouth Twp.
Pontiac
Redford Twp.
Rochester Hills
Romulus
Southfield
Troy
Van Buren Twp.
Walled Lake
Washtenaw County
Wayne
Wayne County
Westland
Wixom

Cooperating Partners:
Cranbrook Institute of Science
Friends of the Rouge
*Southeastern Oakland
County Water Authority*
Wayne State University

3. Additions or Changes to Draft Agenda

- | | | |
|---|-------------|--------|
| 4. Summary of July 12, 2011, Executive Committee Meeting | Action | pg. 3 |
| 5. Executive Director Report (Ridgway) | | |
| a. Grant Status Report | Information | |
| i. NOAA – Wayne Rd. Dam | | |
| ii. CMI-Monitoring | | |
| 6. Standing Committee Reports (Mekjian) | | |
| a. <u>Finance Committee</u> (Rohraff, Treasurer/O’Meara) | | |
| i. A/R and A/P Reports | Information | pg. 11 |
| a. Outstanding member dues | Information | |
| ii. 2011 Budget Amendments | Action | pg. 13 |
| a. Accounting/legal services | | pg. 14 |
| b. CMI1 grant | | pg. 15 |
| c. NOAA1 grant | | pg. 20 |
| iii. 2011 ECT Contract Amendments | Action | pg. 21 |
| a. CMI grant | | |
| b. NOAA grant | | |
| iv. 2012 Budget Requests | Action | pg. 28 |
| v. Fundraising Subcommittee | Information | |
| b. <u>Organization Committee</u> (Cave, Co-Chair) | | |
| i. Status Report | Information | |
| c. <u>PIE (Public Involvement and Education) Committee</u> (Siedlaczek, Chair) | | |
| i. Status Report | Information | |
| d. <u>Technical Committee</u> (Zorza, Vice Chair/DeMaria) | | |
| i. Status Report | Information | |
| 7. Report from WCDPS (Cave) | | |
| a. Status Report | Information | |
| 8. Report from SWAGS | | |
| b. Status Report | Information | |
| 9. Other Business | | |
| a. Conflict of Interest Policy (<i>renew for 2012</i>) | Action | pg. 69 |
| 10. Summary of Executive Committee Actions (O’Meara) | | |
| 11. Upcoming Meetings | | |
| <ul style="list-style-type: none"> • Full ARC Meeting, November 1, 1:30 p.m., Henry Ford Community College, Rosenau ABC conference room in the ASCC building • Fundraising Subcommittee Meeting, December 6, 2:30 p.m., Livonia DPW | | |
| 12. Adjourn | | |



Working together, restoring the river

James W. Ridgway, P.E.
Executive Director

DRAFT EXECUTIVE COMMITTEE MEETING SUMMARY

Wednesday, July 12, 2011, 1:30 p.m.
Longacre House
24705, Farmington Rd., Farmington Hills

1. Welcome – Gary Mekjian, Chair

2. Roll Call of Members

ECT took roll call of members and others present. A quorum was present.

ARC Executive Committee			Attended Meeting
Officers			
Chair	Gary Mekjian	Farmington Hills	Y
Vice-Chair	Kevin Buford	Westland	Y
Treasurer	Don Rohraff	Livonia	Y
Past Chair	Tim Faas	Canton Twp.	Y
Counties			
Oakland Co. – Rep.	John McCulloch	OCWRC	N
Oakland Co. – Alt.	Jim Wineka	OCWRC	Y
Oakland Co. – Alt.	Joseph Colaianne	OCWRC	N
Washtenaw Co. - Rep.	Janis Bobrin	WCWRC	N
Washtenaw Co. - Alt.	Meghan Bonfiglio	WCWRC	Y
Wayne Co. - Rep.	Kelly Cave	WCDPS	Y
Wayne Co. - Alt.	Noel Mullett	WCDPS	N
SWAGs			
Main 1 & 2 - Rep.	Brandy Siedlaczek	Southfield	Y
Main 1 & 2 - Alt.	VACANT	Bloomfield Township	
Main 3 & 4 - Rep.	Jim Murray	Dearborn	N
Main 3 & 4 - Alt.	VACANT		
Upper - Rep.	VACANT		
Upper - Alt.	Kevin Maillard	Livonia	N
Middle 1 - Rep.	VACANT	Northville Township	N
Middle 1 - Alt.	Aaron Staup	Novi	N
Middle 3 - Rep.	Jack Barnes	Garden City	N
Middle 3 - Alt.	VACANT		
Lower 1 - Rep.	Bob Belair	Canton Township	Y
Lower 1 - Alt.	VACANT		
Lower 2 - Rep.	Ramzi El-Gharib	Wayne	N
Lower 2 - Alt.	Tom Wilson	Romulus	N

Others Present: Jim Ridgway, Executive Director; Mike Buiten, City of Wayne; Zachare Ball, and Chris O'Meara, ECT Staff

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

Cooperating Partners:

Cranbrook Institute of Science
Friends of the Rouge
Southeastern Oakland County Water Authority
Wayne State University

3. Additions or Changes to Draft Agenda

There were no additions or changes to the draft agenda.

4. Summary of March 23, 2011 Executive Committee Meeting

The motion was made by Kevin Buford to accept the March 23, 2011, meeting summary. The motion was seconded by Brandy Siedlaczek. Motion passed.

5. Executive Director Report

a. ARC Membership

Jim Ridgway informed the committee that he continues to make calls to request meetings with those communities where there is concern on their continued membership. K. Buford and G. Mekjian said that they would be available to meet with Inkster who recently withdrew their membership in the ARC.

b. Grant Status Report

J. Ridgway gave the following summary of the ongoing grants and new grant applications.

Great Lakes Restoration Initiative (GLRI)

GLRI 1 (Transforming the Rouge)

- The Wayne County Parks project (Lola Valley and Lower Rouge) construction has been bid out and a contractor has been selected. Work is scheduled for the fall.
- Valley Woods Wetland (Southfield): Field activities, including surveying and a wetland report, have been completed. A permit pre-application meeting with MDEQ was conducted on site on May 17, 2011. The design will include filling of drainage ditches, a prescribed burn, excavation of phragmites and planting and seeding. Herbicide applications will be in late August-early September.
- Rouge Park and Eliza Howell Park Grow Zones: We are currently negotiating with the City of Detroit concerning prescribed burns in both parks. A Memorandum of Understanding with the City of Detroit is under review. This project will begin in Spring, 2012.
- The second pre-monitoring benthics survey was held by FOTR and Wayne County on April 30.
- The second quarterly report was filed on May 5.

GLRI 2 (Danvers Pond Dam Removal, Farmington Hills)

- MDEQ conducted a public hearing about the permit application package on June 8.
- ARC staff is working with the EPA grant manager to develop a definition of native species.
- The original design documents (2008) have been updated to include recent changes and comments.
- Construction will be in 2012.

Rouge Round X

RPO 1

Rouge Green Corridor Urban Habitat Improvement

- The schedule for this project has been moved back. The riparian buffer development at sites in Beverly Hills, Southfield and Birmingham will be in May, 2012.

RPO 2

Wayne Road Dam Removal Design

- All field work has been completed. (survey, sample analysis and geomorphology)
- ARC staff conducted a permit pre-application meeting with MDEQ.
- ARC staff developed a system model and ran the design alternatives. A final design has been selected and is being completed.
- The permit application package is being drafted and will be submitted in July.

- This grant should end in August and transition into the NOAA grant for the removal of Wayne Road Dam.

SPAC 2/Rouge AOC Beneficial Use Impairment Delisting Criteria

This grant is completed, and the final report was accepted by the Great Lakes Commission.

SPAC 3: Developing a Coordinated Effort to Address Rouge AOC BUIs in the Upper Subwatershed

This grant for \$24,989 was approved in May by the Great Lakes Commission. ARC staff is currently developing an Upper Subwatershed map that shows ongoing projects and potential future projects eligible for future grant funding.

NOAA Fisheries Grant: Wayne Road Dam Removal:

NOAA notified the ARC in May that it would like to fund this project. ARC staff has edited the proposal based on NOAA comments, including reducing the grant request to just over \$1 million. We are currently awaiting final approval and contract documents.

2011 Grant Applications

NOAA Fisheries Grant: See above

Statewide Public Advisory Committee/Great Lakes Commission Grant: See above.

MDEQ Monitoring Grant: This grant is for \$50k to do water quality monitoring in the Upper and Main 1-2 E. coli priority areas to narrow down sewage discharges during dry weather conditions. The time frame for the project would be fall 2011 – winter 2013.

GLRI 2011: The ARC was notified in June that this application was not approved for GLRI funding in 2011. The grant proposal was in partnership with the Alliance of Downriver Watersheds for the following:

Under Implement Lakewide Management Plan (LaMP) Projects (I.D.2, page 19), a \$300,000 project to install grow zones in schools through the Green Schools Program managed by Wayne County (it includes schools in the ADW and ARC) with workshops, public ed., etc.

NEW: U.S. Forestry/GLRI 2011: In June, the ARC submitted a \$374,980 grant to the US Forestry Service through the State of Michigan to purchase and plant 2,000 trees in the Rouge River Watershed in partnership with Wayne County and several ARC member communities. Notification to successful applicants should be in September. The following communities requested trees:

ARC Member	# of Trees
Bingham Farms	20
Bloomfield Hills	50
Canton Township	200
Lathrup Village	40
Livonia	80
Plymouth Twp.	150
Rochester Hills	50
Southfield	100
Walled Lake	10
Wayne	200
Westland	100
Wayne County	900
Total:	1,750

c. Rouge Gateway Meeting

J. Ridgway reported that ARC staff met with the Gateway partnership leadership (Wayne County and U-M/D) and the EPA Legacy Act representatives to discuss how Industrial Entities along the Rouge River could access Legacy Funds for sediment remediation. One private firm has an on-going remediation on the Rouge which is receiving 65% grant funds. Others were offered a similar arrangement. All industrial representatives were interested in the opportunity but needed to review the offer internally. ARC and Gateway leadership will continue to pursue this opportunity. (Note – No ARC funding was offered or expected).

6. Standing Committee Reports

a. Finance Committee

Draft 2010 budget vs. actual

Don Rohraff reviewed the 2010 budget vs. actual report.

2010 Audit and Financial Statement

D. Rohraff reviewed the 2010 Audit and Financial Statement. He informed the committee that the ARC taxes were filed as well. C. O’Meara had available original bound copies for any member who would like one. The audit and financial statement will also be available on the ARC website.

A/R and A/P Reports

D. Rohraff reviewed the accounts receivable and accounts payable reports.

2011 Budget Amendment

D. Rohraff reviewed the 2011 budget amendments as follows:

Finance Committee Amendment 2: Add 2011 GLC Grant “SPAC3 Developing a Coordinated Effort to Address Rouge AOC BUIs”. This amendment adds the 2011 GLC PAC grant budget line to the 2011 ARC Budget with funding of \$24,989 for these activities. No match is required.

The motion was made by K. Buford to recommend to the Full ARC the approval of the 2011 Proposed Budget Request as presented by the Finance Committee. The motion was seconded by Tim Faas and passed unanimously.

D. Rohraff reviewed the two contract amendments to ECT’s contract with the ARC as follows:

Appendix E – Scope of Services for Public Advisory Committee/Great Lakes Commission Grant – adds the scope and cost of \$17,374.20 for the new SPAC3 grant to develop a coordinated effort to address Rouge AOC BUIs to the Executive Director Services contract. Tasks include refining the Rouge River AOC BUIs delisting strategy, preparing a subwatershed delisting strategy template, coordination of AOC activities and preparing the final report.

Appendix F – Scope of Services for Great Lakes Restoration Initiative 1 (GLRI1) Transforming the Rouge additional activities – funds for Task 1 Grow Zone Design and Construction Oversight and Task 4 Construct Valley woods Wetland Preserve Improvements will be performed by ECT due to insurance issues with the City of Detroit and Southfield. This will increase the ECT budget by \$85,000. This does not change the ARC budget as funding for these activities are paid for with grant funds.

The motion was made by K. Buford to approve the ECT contract amendments as presented by the Finance Committee. The motion was seconded by B. Siedlaczek and passed unanimously.

D. Rohraff informed the committee that the ARC staff is putting together a table that shows any dues adjustments (+/-) now that the 2010 census data is available. This will be reviewed by the Finance Committee and recommendations will be brought to the next Executive Committee meeting.

D. Rohraff reviewed the 2012 Budget Preparation Schedule and informed the committee that the budget preparation for 2012 is moving along as scheduled.

b. Organization Committee

Kelly Cave stated that the Organization Committee has not meet to date but will be scheduling a meeting to review the draft revision of the ARC Bylaws that Meghan Bonfiglio and ARC staff have drafted. She expects to have a draft for the Executive Committee's review at the next meeting.

c. PIE (Public Involvement and Education) Committee

Brandy Siedlaczek reported that the ARC rain barrel sale on June 18 in Farmington Hills sold 208 rain barrels and the event on July 9 in Southfield sold 304. The PIE also sponsored a White Pine seedling giveaway at the July 9 event. She stated that the number was down on the July 9 due to the holiday week and that they expect a better sale on the upcoming event in Westland on July 30. B. Siedlaczek handed out samples of the ARC bookmark that was made, 5,000 have already been distributed to ARC member communities and partners and 5,000 more have been ordered.

d. Technical Committee

Gary Zorza reported that the Technical Committee continues to move forward with the online reporting system. Spicer will be moving it to the website for communities to access soon. He reported that Lathrup Village was able to change their reporting date in anticipation of using the online system.

G. Zorza reported that the IDEP IAA has been signed between Oakland County and the ARC.

G. Zorza reported that the next meeting with MDEQ Permit Workgroup is scheduled for July 19. J. Ridgway stated that the ARC staff will continue to attend the workgroup meetings and report back to the ARC members.

7. Report from WCDPS

Kelly Cave reported that they are still waiting to hear whether there will be RPO funds for 2012 and that she will pass on any information as soon as they get it.

K. Cave reported that Wayne County received 2011 GLRI funding to implement IDEP and HHW activities under the toxic reduction program. J. Wineka reported that Oakland County submitted four proposals that weren't chosen for funding.

K. Cave reported that she had discussions with Bill Creal regarding the potential for Green Infrastructure funding for riparian corridor planning in parts of the Rouge and other Wayne County locations.

K. Cave offered to show the Rouge Gateway update presentation that she prepared to the Full ARC at the upcoming meeting. The Executive Committee supported this for the next Full ARC meeting.

K. Cave stated that the EPA and MDEQ attended a bus tour on green infrastructure that Detroit and SEMCOG hosted. The City of Detroit originally had a long-term CSO program to build a large tunnel which was put on hold and revisited. Now they are building a smaller tunnel with end of tunnel

treatment with green infrastructure added. Wayne County also put together a summary of green infrastructure activities conducted within the Rouge. K. Cave stated that Region V is still interested in a tour of the Rouge.

K. Cave reported that the USACE is still moving forward with the channel removal/restoration. The USACE has finished their report recommending the removal of the concrete channel and has submitted it to the region for approval.

8. Report from SWAGS

There was nothing new to report.

9. Other Business

T. Faas stated that at the MWEA conference, Kalamazoo gave a presentation regarding the Enbridge oil spill and that interestingly the watershed management plan had no mention of what to do with an oil spill.

Some suggested items for the next Full ARC meeting include presentations on the permit workgroup, an update on the revised Watershed Management Plan that was submitted to MDEQ on June 30 and a report on the grants that the ARC has received.

ARC Staff will also have the "Why Join the ARC" brochure finalized and available at the Full ARC meeting.

10. Summary of Executive Committee Actions

- The motion was made to accept the March 23, 2011, meeting summary.
- The motion was made to recommend to the Full ARC the approval of the 2011 budget amendment as presented by the Finance Committee.
- The motion was made to approve the ECT contract amendments as presented by the Finance Committee.

11. Upcoming Meeting(s)

- PIE Committee Meeting, July 14, lunch at noon, meeting at 1:00 p.m., Beverly Hills
- Technical Committee Meeting, August 10, 2-4 p.m. at Farmington Hills
- Full ARC Meeting, August 24, 1:30-3:30 p.m. at Canton
- Executive Committee Meeting, October 25, 1:30 p.m., location TBD

11. Adjourn

The motion to adjourn the meeting was made by D. Rohraff and seconded by Bob Belair. The motion passed.

ARC Executive Committee Attendance List

Meeting Date: 7/12/11

<i>Name</i>	<i>Community</i>	<i>Attended</i>	<i>Initials</i>	
Alsaigh	Razik	WCDOE	<input type="checkbox"/>	—
Ball	Zachare	ECT	<input checked="" type="checkbox"/>	ZB
Barnes	Jack	Garden City	<input type="checkbox"/>	—
Belair	Bob	Canton Township	<input checked="" type="checkbox"/>	FB
Bobrin	Janis	Washtenaw County Water Resour	<input type="checkbox"/>	—
Bonfiglio	Meghan	Washtenaw County Water Resour	<input checked="" type="checkbox"/>	MB
Buford	Kevin	Westland	<input checked="" type="checkbox"/>	K.L.B.
Buiten	Mike	Wayne	<input checked="" type="checkbox"/>	MLB
Cave	Kelly	WCDPS	<input checked="" type="checkbox"/>	VAC
Colaianne	Joe	Oakland County	<input type="checkbox"/>	—
Domine	Wayne	Bloomfield Township	<input type="checkbox"/>	—
El-Gharib	Ramzi	Wayne	<input type="checkbox"/>	—
Faas	Tim	Canton Township	<input checked="" type="checkbox"/>	TF
Fellrath	Patrick	Plymouth Township	<input type="checkbox"/>	—
LaManes	Paul	Melvindale	<input type="checkbox"/>	—
Maillard	Kevin	Livonia	<input type="checkbox"/>	—
McCulloch	John	Oakland County	<input type="checkbox"/>	—

Meeting Date: 7/12/11

<i>Name</i>		<i>Community</i>	<i>Attended</i>	<i>Initials</i>
Mekjian	Gary	Farmington Hills	<input checked="" type="checkbox"/>	<i>GM</i>
Mullett	Noel	WCDPS	<input type="checkbox"/>	—
Murray	Jim	Dearborn	<input type="checkbox"/>	—
Rickard	Jill	Northville Township	<input type="checkbox"/>	—
Ridgway	Jim	ECT	<input type="checkbox"/>	<i>JR</i>
Rohraff	Don	Livonia	<input checked="" type="checkbox"/>	<i>DR</i>
Siedlaczek	Brandy	Southfield	<input checked="" type="checkbox"/>	<i>BS</i>
St. Henry	Paul	Livonia	<input type="checkbox"/>	—
Staup	Aaron	Novi	<input type="checkbox"/>	—
Weaver	Don	Northville Township	<input type="checkbox"/>	—
Wilson	Tom	Romulus	<input type="checkbox"/>	—
Wineka	Jim	Oakland County	<input checked="" type="checkbox"/>	<i>JW</i>
Zorza	Gary	Farmington Hills	<input checked="" type="checkbox"/>	<i>GRZ</i>
			<input type="checkbox"/>	—
			<input type="checkbox"/>	—
			<input type="checkbox"/>	—
			<input type="checkbox"/>	—
			<input type="checkbox"/>	—
			<input type="checkbox"/>	—

1:07 PM

10/20/11

Alliance of Rouge Communities
A/P Aging Summary
 As of October 20, 2011

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
Environmental Consulting & Technology, In	60,891.26	0.00	0.00	0.00	0.00	60,891.26
enviroWorld	4,255.00	0.00	0.00	0.00	0.00	4,255.00
Friends of the Rouge	99.86	508.07	0.00	0.00	0.00	607.93
TOTAL	<u>65,246.12</u>	<u>508.07</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>65,754.19</u>

1:06 PM

10/20/11

Alliance of Rouge Communities
A/R Aging Summary
 As of October 20, 2011

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
Commerce Township	0.00	0.00	0.00	0.00	0.00	0.00
Garden City	0.00	0.00	0.00	6,815.00	0.00	6,815.00
Melvindale	0.00	0.00	0.00	0.00	2,635.00	2,635.00
Pontiac	0.00	0.00	0.00	508.00	0.00	508.00
Rouge River National Wet Weather Dem. Pro	33,609.58	0.00	0.00	0.00	0.00	33,609.58
Rouge Round X Grant	26,242.64	0.00	0.00	0.00	0.00	26,242.64
TOTAL	<u>59,852.22</u>	<u>0.00</u>	<u>0.00</u>	<u>7,323.00</u>	<u>2,635.00</u>	<u>69,810.22</u>

Expected Revenues Available for 2011

2011 Dues from Communities*	\$	266,687
2011 Rouge Project Grant (estimated)	\$	251,572
(2) GLRI Grants	\$	158,002
GLRI Match	\$	95,000
RPO Round X Grant	\$	58,850
RPO Round X Match	\$	5,040
(6)(5)(10) SPAC Grant	\$	25,586
NOAA Grant	\$	50,000
CMI Grant	\$	5,042
Rain Barrel sales	\$	6,000
(4) ECT In-kind Services	\$	9,032
Rollover Dues from 2010 Budget	\$	84,902
	\$	1,015,813

Amended by Full ARC on 4/26/2011

Proposed ARC 2011 Budget Items	Committee Proposal	Funding Source								"Provider" Using Budget (3)
		ARC Dues	Rouge Grant	Rouge Round X Grant	GLRI Grant	SPAC Grant	NOAA Grant	CMI Grant	Other Source/Match	
Rouge Grant										
Organization Committee										
(7)(1)OC1 Executive Director Services	\$ 168,803	\$ 75,369	\$ 84,402						\$ 9,032	EDS (4)
Pursuing Grant Opportunities	\$ 10,000	\$ 10,000	-							EDS
Organization Committee Total	\$ 178,803	\$ 85,369	\$ 84,402						\$ 9,032	
Finance Committee										
(2) FC1 Accounting/Legal Services	\$ 9,200	\$ 9,200	\$ -							outside purchase
(2)FC2 ARC Insurance	\$ 4,000	\$ 4,000	\$ -							outside purchase
Finance Committee Total	\$ 13,200	\$ 13,200	\$ -							
Public Education and Involvement Committee										
PIE1 Green Infrastructure Campaign	\$ 94,000	\$ 47,000	\$ 47,000							EDS/WC
PIE2 Public Ed Materials	\$ 17,500	\$ 8,750	\$ 8,750							EDS/WC
PIE3 Website Maintenance	\$ 7,750	\$ 3,875	\$ 3,875							EDS/WC
PIE4 Watershed Stewardship and Reporting	\$ 18,590	\$ 9,295	\$ 9,295							FOTR
PIE Committee Total	\$ 137,840	\$ 68,920	\$ 68,920						\$ -	
Technical Committee										
TC1 Rouge River Watershed Monitoring Activities	\$ 66,500	\$ 33,250	\$ 33,250							WC/USGS/CDM
TC2 Storm Water Reporting	\$ 23,000	\$ 11,500	\$ 11,500							EDS
TC3 IDEP	\$ 85,000	\$ 42,500	\$ 42,500							EDS/WC/OC
TC4 Compliance Initiatives	\$ 22,000	\$ 11,000	\$ 11,000							EDS/WC
Technical Committee Total	\$ 196,500	\$ 98,250	\$ 98,250						\$ -	
Total Amount Requested by All Committees	\$ 526,343	\$ 265,739	\$ 251,572						\$ 9,032	
GLRI Grant										
(8)GLRI 1 Transforming the Rouge AOC from Mowed Down to Grown Up	\$195,000				\$100,002				\$95,000	
GLRI1A Grow Zone Design and Construction Oversight										
GLRI1B Construct Grow Zones										
Final design, permitting and construction oversight at Valley Woods Wetland Preserve										
GLRI1C Wetland Preserve										
GLRI1D Construct Valley Woods Wetland Preserve Improvements										
GLRI1E Monitoring										
GLRI1F Public Education	\$5,000	\$5,000								
GLRI1G Grant Administration and Reporting										
Sub-total GLRI 1	\$200,000	\$5,000			\$100,002				\$95,000	
(9)GLRI 2 Danvers Pond Dam Removal and Stream Restoration	\$58,000				\$58,000					
GLRI2A Engineering										
GLRI2B Construction										
GLRI2C Construction Oversight										
GLRI2D Grant Administration										
Subtotal GLRI 2	\$58,000				\$58,000				\$0	
TOTAL GLRI	\$258,000	\$5,000			\$158,002				\$95,000	
Rouge Round X										
RPO 1 RGC Urban Habitat Improvement	\$6,440			\$1,400					\$5,040	
RPO1A Demonstration Riparian Buffer Planning and Installation										
RPO1B Wetland Conservation and Mitigation Plan										
RPO1C Interpretive Signage										
RPO1D Public Workshop										
Subtotal RPO 1	\$6,440			\$1,400					\$5,040	
RPO 2 Wayne Road Dam Removal Design										
RPO2A Preliminary Engineering and Field Investigation	\$31,659	\$15,830		\$15,830						
RPO2B Design and Permitting	\$76,748	\$38,374		\$38,374						
RPO2C Grant Management	\$6,693	\$3,347		\$3,347						
Subtotal RPO 2	\$115,100	\$57,550		\$57,550					\$0	
TOTAL RPO ROUND X	\$121,540	\$57,550		\$58,950					\$5,040	
CMI										
(11) CMI1 Rouge River Monitoring for E.coli TMDL Implementation	\$5,042								\$5,042	
TOTAL CMI	\$5,042								\$5,042	\$0
NOAA										
(12) NOAA1 Wayne Road Dam Removal	\$50,000					\$0	\$50,000			
TOTAL NOAA	\$50,000					\$0	\$50,000			
SPAC										
(6)(5) SPAC2 Strategy to Delist BUIs in the Rouge River AOC	\$10,597					\$10,597				
(10) SPAC3 SPAC3 Developing a Coordinated Effort to Address Rouge AOC BUIs	\$14,989					\$14,989				
TOTAL SPAC	\$25,586					\$25,586				
Available Unallocated ARC Budget	\$29,302									

Notes

- Includes fiduciary services, advocacy and administration
 - Not a Rouge grant eligible item; funded 100% from ARC dues
 - EDS - Executive Director Services, WC - Wayne County, OC - Oakland County Officers and committee members provide assistance to implement most of the ARC tasks. Cost for this assistance is not included in ARC budget.
 - The Organization Committee asked that the EDS 2011 budget of \$168,803 be reduced to it's 2010 level of \$159,771 with no change to the hours proposed in the 2011 budget. The overage of \$9,032 in 2011 will be provided by EDS as In-kind services.
 - Based on 2010 dues amount plus HFCC \$750, minus Wayne County Airport Authority \$2,266 and Inkster \$6,468
 - ARC received SPAC Grant - %40 (\$8,882) of \$22,205 in 2010, remaining 60% (\$13,323) in 2011 budget
- 4-26-11 BUDGET AMENDMENTS:
- SPAC2 adjusted to show remaining balance available for 2011
 - OC1 This amendment corrects the 2011 budget to accurately reflect the proposed cost for ED Services.
 - This budget amendment will reduce the 2011 budget by \$18,182.12 to show the money that was expended in 2010 for the GLRI1 line item. The remainder available in 2011 is \$811,817.88.
 - This budget amendment will reduce the 2011 budget by \$8,940.77 to show the money that was expended in 2010 for the GLRI2 line item. The remainder available in 2011 is \$490,314.23.
- Draft 6-14-11 BUDGET AMENDMENTS:
- SPAC3 added to show awarded grant amount of \$14,989 for 2011, \$10,000 will be budgeted in 2012. Total award is \$24,989.
- Draft 10-25-11 BUDGET AMENDMENTS:
- CMI1 added to show 2011 awarded grant amount of \$5,042 for 2011, \$26,907 will be budgeted in 2012 and \$5,472 budgeted in 2013 with an additional \$12,474 match budgeted in 2012 that will be split 50/50 between ARC dues and Rouge Grant funds. Total award is \$49,895.
 - NOAA1 added to show 2011 awarded grant amount of \$50,000 for 2011, \$491,768 will be budgeted in 2012 and \$491,768 budgeted in 2013. Total award is \$1,033,536.



ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

REQUEST FOR AMENDMENT Year 2011 BUDGET

REQUEST DATE: September 21, 2011

LINE ITEM: FC1 – Accounting and Legal Services

COMMITTEE MAKING REQUEST: Finance Committee

BACKGROUND: The Alliance of Rouge Communities voted in September 2008 to budget for lawyer and accountant fees starting in 2010. The ARC will be required to provide an audit as part of future grant requests. This line item is also budgeting for any potential legal services that the ARC may require.

DESCRIPTION OF ANTICIPATED ACTIVITIES: This amendment will cover unanticipated accounting services that were not budgeted for in 2011. These include assistance from the accountant in coordinating the required policies and procedures as required for the ARC first A133 audit for fiscal year 2011. The accountant also followed up with ARC staff and the IRS in regards to the approval of the ARC's 501(c)(3) status.

RATIONALE (including why needed): The budget amendment would cover the additional costs incurred by the accounting firm.

BUDGET (including how the requested amount was established): Increase budget from \$7,500 to \$9,200. This budget item will be paid with 100% ARC dues.

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



Working together, restoring the river

ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2011 BUDGET AMENDMENT: Technical Committee Amendment 1

REQUEST DATE: September 14, 2011

LINE ITEM: Add a line item (CMI 1: Monitoring to Support *E. coli* TMDL Implementation) to the 2011 ARC budget in the amount of \$5,042.

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: In 2011, the ARC received a grant from the MDEQ to conduct investigational sampling to narrow down sources of human *E. coli* in select areas of the Rouge River watershed. The grant award is for \$37,421.00 and the match requirement is \$12,474.00 for a grant period from Sept 1, 2011-Sept 30, 2013.

Based on evidence of contamination from sewage throughout the Rouge River, the Executive Director (ED) staff previously identified several areas as highest priority for further illicit discharge investigations. These areas were selected based on the presence of elevated *E. coli* concentrations and human *E. coli* biomarkers in dry weather conditions (See Table 1).

Table 1. High Priority Areas needing further IDEP Investigations (project target areas are highlighted in bold outline)

Location	Community
U01-Upper Branch u/s of Powers Rd.	Farmington Hills (mostly), Farmington, West Bloomfield Twp*, Walled Lake
U15-Bell Branch u/s of 6 Mile Rd.	Livonia, Farmington Hills
D62-Tonquish Creek u/s of Joy Rd.	Plymouth, Plymouth Twp
G97-Lower Branch u/s of Henry Ruff Rd.	Wayne, Westland, Romulus and all of the Lower 1 communities
G39-Franklin Branch u/s of Middlebelt Rd.	West Bloomfield*
G61-Pebble Creek u/s of Franklin Rd.	Southfield, Franklin

*Not an ARC member, so no funding will be expended in this community.

The monitoring data collected under this grant will be used to direct illicit discharge identification and elimination efforts in the target areas. As illicit discharge source areas are narrowed down within the waters of the state, storm drain outlets will be sampled to further source identification

efforts. As particular problem drains are identified, they will be referred to the local community for source identification and elimination.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The goal of this project is to locate the sources of *E. coli* of human origin. This will be accomplished by

- 1) Conducting investigative water quality sampling at strategic locations within the target areas during dry weather conditions to screen for the presence of sanitary sewage; and
- 2) Adjusting sampling locations, as necessary, to narrow down source areas to find illicit discharge sources.

The primary target area for this project is Pebble Creek within the City of Southfield and the Village of Franklin. The secondary target area is the Upper Branch SWMA and its tributaries including the Seeley Ditch and Minnow Pond Drain, which cross the cities of Farmington, Farmington Hills and Walled Lake, and West Bloomfield Township. The secondary target area will be investigated only if grant funding allows. Funding will be expended in ARC member communities only.

The scope of work is divided in the four tasks:

1. Quality assurance project plan (QAPP) development,
2. Sampling collection for *E. coli* and human DNA biomarkers,
3. Final report preparation, and
4. Grant administration.

Additional detail on the scope of work is provided in Attachment A.

RATIONALE: This work is needed to improve water quality conditions in the Rouge River and its tributaries and to help fulfill the IDEP commitments of the storm water permit.

BUDGET: The estimated total budget for this initiative is \$49,895.00 as shown in Tables 2, 3 and 4. However, this amendment only covers the addition of line item CMI 1 to the 2011 ARC Budget with funding of \$5,042.00 for 2011 activities. The 2011 funding will be reimbursed 100% by the MDEQ. The remaining budget will be requested/allocated in 2012 and 2013 as summarized in Table 4.

Table 2. Total Project Budget by Task

Task	Responsible Party	Estimate	Rationale
A. Project Planning	ED	\$4,722	48 hrs
B. Sample Collection and Analysis	ED	\$38,170	260 hrs \$1,100 in equipment and supplies \$16,000 in analytical

Task	Responsible Party	Estimate	Rationale
C. Final Report and Recommendations	ED	\$4,772	49 hrs
D. Project Administration	ED	\$2,231	18 hrs
Total:		\$49,895.00	

Table 3. Total Project Budget by Funding Source

Task	CMI Grant Funding	Match Funding	Total Funding
A. Project Planning	\$4,722		\$4,722
B. Sample Collection and Analysis	\$25,696	\$12,474	\$38,170
C. Final Report and Recommendations	\$4,772		\$4,772
D. Project Administration	\$2,231		\$2,231
Total:	\$37,421.00	\$12,474.00	\$49,895.00

Table 4. Total Project Budget by Funding Year (budget applicable to this amendment is highlighted in bold outline)

Task	2011 (CMI)	2012 (CMI)	2012 (Match)	2013 (CMI)	Total Funding
A. Project Planning	\$4,722				\$4,722
B. Sample Collection and Analysis		\$25,696	\$12,474		\$38,170
C. Final Report and Recommendations				\$4,772	\$4,772
D. Project Administration	\$320	\$1,211		\$700	\$2,231
Total:	\$5,042.00	\$26,907.00	\$12,474.00	\$5,472.00	\$49,895.00

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: Work will be completed by the ARC Executive Director Staff.

Attachment A: Scope of Work Monitoring to Support *E. coli* TMDL Implementation

The goal of this project is to locate the sources of *E. coli* of human origin. This will be accomplished by

- 1) Conducting investigative water quality sampling at strategic locations within the target areas during dry weather conditions to screen for the presence of sanitary sewage; and
- 2) Adjusting sampling locations, as necessary, to narrow down source areas to find illicit discharge sources.

The primary target area for this project is Pebble Creek within the City of Southfield and the Village of Franklin. The secondary target area is the Upper Branch SWMA and its tributaries including the Seeley Ditch and Minnow Pond Drain, which cross the cities of Farmington, Farmington Hills and Walled Lake, and West Bloomfield Township. The secondary target area will be investigated only if grant funding allows.

The scope of work is divided in the four tasks as described below.

Task A. Project Planning

Executive Director (ED) staff will meet with the communities in the target areas to discuss the background data, the goals and objectives of the project and any suspected sewage sources. The initial sampling locations will also be discussed and the local community's illicit discharge elimination program (IDEP) field staff will be identified. Sampling locations will be finalized after a field visit is conducted. These locations will be incorporated into the QAPP.

A Quality Assurance Project Plan (QAPP) will be prepared by ED staff. The QAPP will be submitted to the MDEQ for review and approval. A draft will be submitted eight weeks prior to any monitoring. If modifications are required, the QAPP will be revised with MDEQ guidance and resubmitted. Water quality monitoring will not begin without a MDEQ approved QAPP.

Deliverable: QAPP

Task B – Sample Collection and Analysis

ED staff will sample 4-6 stations on Pebble Creek 5 times during dry conditions (defined as three consecutive days of no or trace amounts of rainfall). The locations will be chosen based on local knowledge, suspected sources and accessibility. At each site, one sample will be collected for *E. coli* with a split sample collected for the Human *Bacteroidetes* and *Enterococcus* biomarkers. If elevated *E. coli* is found in the sample (above 1,000 cfu/100 mL), the split sample will be analyzed for both DNA biomarkers. As human sources of *E. coli* are indicated, based on sampling results, sample locations will be moved upstream to the major storm water outfalls. These outfalls will be sampled up to 5 times to determine the presence of sewage. If a "hot" storm water outfall is identified, then in-system sampling will take place.

Previously identified IDEP staff from the local communities will then be asked to assist in the storm sewer investigations. ED field staff will proceed with sampling up the storm water system until a source area is narrowed down. This sampling may involve analysis for ammonia, surfactants and conductivity, as well as *E. coli* and the human biomarkers. Field staff will then make recommendations to the local community field staff as to how to best identify the source. Recommendations will likely include either dye testing particular homes/facilities or televising portions of storm sewer, as deemed necessary.

E. coli analysis will be performed by Paragon Laboratories of Livonia, MI and bacterial source tracking analysis will be performed by Source Molecular Corporation of Miami, FL.

If funding allows, this process will be repeated in the secondary target area, which is the Upper Branch, upstream of Powers Rd.

Task C – Final Report and Recommendations

ED staff will prepare a draft report that summarizes the efforts and findings by target area and any future recommendations. The report will include the correction status of any identified illicit connection. The ARC will submit the draft report to the local communities and the MDEQ 45 days prior to the end of the project. The ARC will incorporate any MDEQ and community comments and resubmit within thirty days of the end of the contract.

Deliverable: Final Report

Task D: Project Administration

ED staff will develop and submit quarterly status reports/reimbursement requests to the MDEQ as provided in the contract between the MDEQ and ARC. The report will include a narrative and financial section. A release of claims statement will be submitted at the end of the project.

All deliverables will be provided in electronic and hard copy format consistent with MDEQ Water Bureau guidance.

Deliverables: Quarterly status reports and a release of claims statement

Schedule

Year	2011												2012												2013					
	2			3			4			1			2			3			4			1		2						
Quarter	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
Task 1 - Meeting with Communities																			as needed											
Task 1 - Prepare QAPP																														
Task 1 - MDEQ Review of QAPP																														
Task 1 - Revise QAPP and Finalize																														
Task 2 - Collect & Analyze Samples																														
Task 3 - Prepare Report, Draft Version																														
Task 3 - MDEQ Review of Report																														
Task 3 - Revise Report, Final Version																														
Task 4 - MDEQ Quarterly Reports							X			X			X			X			X			X		X						



ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2011 BUDGET AMENDMENT: Finance Committee Amendment 4

REQUEST DATE: September 27, 2011

LINE ITEM: Add NOAA1 Grant “Wayne Road Dam Removal”

COMMITTEE MAKING REQUEST: Finance Committee

BACKGROUND: The Alliance of Rouge Communities (ARC) has received a \$1 million federal grant to remove the Wayne Road Dam in the City of Wayne and restore the fishery in the Lower Rouge River. The two-year grant was awarded to the ARC by the National Oceanic and Atmospheric Administration (NOAA), which provides financial and technical assistance to remove dams and barriers, construct fish passage, clean up marine debris, restore coastal wetlands, and remove invasive species in the region. The grant request was for \$1,033,536 for a grant period from July 1, 2011-June 30, 2013. The ARC was awarded the funding in September, 2011.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The Wayne Road Dam Removal and Habitat Improvement Project will restore fish passage for migratory species such as salmon, walleye, northern pike and small mouth bass, while stabilizing and improving shoreline habitat. The project will also reconnect 22 miles of the Lower Rouge River with the Great Lakes. The Wayne Road Dam was identified by the Michigan Department of Natural Resources as a major impediment to restoring fish and wildlife habitat in the Rouge River’s Lower Branch. The Lower Branch of the Rouge River begins in Superior Township and flows through such communities as Canton Township, Wayne, Westland, Inkster, Dearborn Heights and Dearborn. Tasks include preparing contract documents and contractor selection, construction oversight, grant reporting and public outreach and monitoring pre and post.

RATIONALE: The budget must be adjusted to reflect this additional funding.

BUDGET: This amendment adds the 2011 NOAA1 grant budget line to the 2011 ARC Budget with funding anticipated for 2011 activities in the amount of \$50,000. No match is required. The remainder of the grant funds will be booked in the 2012 and 2013 budgets.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: Work will be completed by the ARC Executive Director Staff and Wayne County.

Amendment 3 to the 2011 Contract between Alliance of Rouge Communities (ARC) and Environmental Consulting & Technology, Inc.

The original contract between the Alliance of Rouge Communities (ARC) and Environmental Consulting & Technology, Inc. (ECT) was dated January 25, 2011. This amendment will increase the original contract amount by \$49,895.00 as described in the attached Appendix G.

Alliance of Rouge Communities

Environmental Consulting & Technology, Inc.

Printed/Typed Name: Gary Mekjian

Name: James W. Ridgway

Signature _____

Signature _____

Title: Chair, ARC

Title: Vice-President, ECT

Date Signed _____

Date Signed _____

Alliance of Rouge Communities
Executive Director Services
Appendix G - Scope of Services for CMI Grant: Rouge River Monitoring for
E. coli TMDL Implementation

Environmental Consulting & Technology, Inc.

September 1, 2011 to September 30, 2013

The total compensation for this scope of services is \$49,895.00. The ARC will be reimbursed by the Michigan Department of Environmental Quality (MDEQ) for 75% of this cost (\$37,421.00). The remaining 25% (\$12,474.00) will be split 50/50 between ARC dues and federal grant funding. The total budget includes a fixed fee of: \$4,278.00.

The goal of this project is to locate the sources of *E. coli* of human origin, whose presence is indicated by past monitoring efforts conducted by the MDEQ in completion of the Rouge River TMDL. This will be accomplished by

- 1) Conducting investigative water quality sampling at strategic locations within the target areas during dry weather conditions to screen for the presence of sanitary sewage; and
- 2) Adjusting sampling locations, as necessary, to narrow down source areas to find illicit discharge sources.

Project Location

This project will take place within Main 1-2 SWMA of the Rouge River Watershed and possibly the Upper SWMA. The primary target area is Pebble Creek within the City of Southfield and the Village of Franklin. The secondary target area is the Upper Branch SWMA and its tributaries including the Seeley Ditch and Minnow Pond Drain, which crosses the cities of Farmington, Farmington Hills and Walled Lake, and West Bloomfield Township. The secondary target area will be investigated only if grant funding allows.

Task 1. Project Planning (Effort: 5%)

The ECT Project Manager will meet with the communities in the target areas to discuss the background data, the goals and objectives of the project and any suspected sewage sources. The initial sampling locations will also be discussed and the local community's illicit discharge elimination program (IDEP) field staff will be identified. Sampling locations will be finalized after a field visit is conducted. These locations will be incorporated into the QAPP.

A Quality Assurance Project Plan (QAPP) will be prepared by an ECT Senior Associate Scientist and reviewed by an ECT Principal Scientist. The QAPP will be submitted to the MDEQ for review and approval. A draft will be submitted eight weeks prior to any

monitoring. If modifications are required, the QAPP will be revised with MDEQ guidance and resubmitted. Water quality monitoring will not begin without a MDEQ approved QAPP.

Deliverable: QAPP

Task 2 – Sample Collection and Analysis (Effort: 85%)

ECT’s technical staff will sample 4-6 stations on Pebble Creek 5 times during dry conditions (defined as three consecutive days of no or trace amounts of rainfall). The locations will be chosen based on local knowledge, suspected sources and accessibility. At each site, one sample will be collected for *E. coli* with a split sample collected for the Human *Bacteroidetes* and *Enterococcus* biomarkers. If elevated *E. coli* (above 1,000 cfu/100 mL) is found in the sample, the split sample will be analyzed for both DNA biomarkers. As human sources of *E. coli* are indicated, based on sampling results, sample locations will be moved upstream to the major storm water outfalls. These outfalls will be sampled up to 5 times to determine the presence of sewage. If a “hot” storm water outfall is identified, then in-system sampling will take place.

Previously identified IDEP staff from the local communities will then be asked to assist in the storm sewer investigations. ECT field staff will proceed with sampling up the storm water system until a source area is narrowed down. This sampling may involve analysis for ammonia, surfactants and conductivity, as well as *E. coli* and the human biomarkers. Field staff will then make recommendations to the local community field staff as to how to best identify the source. Recommendations will likely include either dye testing particular homes/facilities or televising portions of storm sewer, as deemed necessary.

E. coli analysis will be performed by Paragon Laboratories of Livonia, MI and bacterial source tracking analysis will be performed by Source Molecular Corporation of Miami, FL.

If funding allows, this process will be repeated in the secondary target area, which is the Upper Branch, upstream of Powers Rd.

Task 3 – Final Report and Recommendations (Effort: 5%)

ECT staff will prepare a draft report that summarizes the efforts and findings by target area and any future recommendations. The report will include the correction status of any identified illicit connection. The report will be submitted to the local communities and the MDEQ 45 days prior to the end of the project. ECT will incorporate any MDEQ and community comments and resubmit within thirty days of the end of the contract.

Deliverable: Final Report

Task 4: Project Administration (Effort: 5%)

The ECT Project Manager will develop and submit quarterly status reports to the MDEQ as provided in the contract. The report will include a narrative and financial section. A release of claims statement will be submitted at the end of the project.

All deliverables will be provided in electronic and hard copy format consistent with MDEQ Water Bureau guidance.

Deliverables: Quarterly status reports and a release of claims statement

Amendment 4 to the 2011 Contract between Alliance of Rouge Communities (ARC) and Environmental Consulting & Technology, Inc.

The original contract between the Alliance of Rouge Communities (ARC) and Environmental Consulting & Technology, Inc. (ECT) was dated January 25, 2011. This amendment will increase the original contract amount by \$50,000 as described in the attached Appendix H.

Alliance of Rouge Communities

Environmental Consulting & Technology, Inc.

Printed/Typed Name: Gary Mekjian

Name: James W. Ridgway

Signature _____

Signature _____

Title: Chair, ARC

Title: Vice-President, ECT

Date Signed _____

Date Signed _____

Alliance of Rouge Communities
Executive Director Services
Appendix H - Scope of Services for NOAA Grant: Wayne Road Dam
Removal and Habitat Improvement Project

Environmental Consulting & Technology, Inc.

July 1, 2011 to June 30, 2013

The total compensation for this scope of services is \$215,536 (of which \$50,000 is anticipated to be spent during the 2011 budget). The ARC will be reimbursed by the Fisheries Habitat Conservation Program Office for 100% of this cost (\$215,536). The total budget includes a fixed fee of: \$27,560.

The Alliance of Rouge Communities (ARC) has received a \$1 million federal grant to remove the Wayne Road Dam in the City of Wayne and restore the fishery in the Lower Rouge River. The two-year grant was awarded to the ARC by the National Oceanic and Atmospheric Administration (NOAA), which provides financial and technical assistance to remove dams and barriers, construct fish passage, clean up marine debris, restore coastal wetlands, and remove invasive species in the region.

The Wayne Road Dam Removal and Habitat Improvement Project will restore fish passage for migratory species such as salmon, walleye, northern pike and small mouth bass, while stabilizing and improving shoreline habitat. The project will also reconnect 22 miles of the Lower Rouge River with the Great Lakes. The Wayne Road Dam was identified by the Michigan Department of Natural Resources as a major impediment to restoring fish and wildlife habitat in the Rouge River's Lower Branch. The Lower Branch of the Rouge River begins in Superior Township and flows through such communities as Canton Township, Wayne, Westland, Inkster, Dearborn Heights and Dearborn.

Project Location

The Wayne Road Dam is located in the City of Wayne, MI underneath and on the downstream side of the Wayne Road Bridge over the Lower Rouge River. The structural height of the dam is approximately three feet, with a hydraulic height of approximately 2.5 feet. The dam spans the entire 80-foot width of the stream, effectively creating a hydrologic barrier for the movement of fish between the Great Lakes system via the Detroit River (approximately 17 miles downstream) and the upstream reaches of the river. Removal of the Wayne Road Dam will reconnect this reach of the river to the Great Lakes system for the first time in over a century. While the history of the dam is unclear, anecdotal information provided in a Michigan Department of Natural Resources (MDNR) report (Beam and Braunscheidel 1998) suggests that the dam was constructed in the late 1800s, likely on the former site of a mill that may have also been used to impound water for community water supply purposes. Construction of this dam over a century ago, as well as a legacy of subsequent activities (i.e., land use, shoreline development, point and

non-point source pollution, storm water runoff) have contributed to compromised water quality; loss of fish; benthos and wildlife health; habitat and populations, and loss of a natural flow regime.

Project Tasks

Task 1- Contract Documents and Contractor Selection-- The ARC will administer the contractor bidding processes, including issuing the bid package, conducting the pre-bid meetings, evaluating proposals, selecting the preferred contractors for construction activity, and managing the contracting process.

Cost: \$23,923.00

Task 2 - Construction and Construction Oversight- The contractor selected under task 1 will complete the construction in accordance with the construction documents. The ARC will provide construction oversight and monitoring during construction.

Cost: \$127,793.00

Task 3 - Grant Administration and Public Involvement- Grant administration and project reporting in accordance with NOAA's requirements will be completed by the ARC throughout the duration of the project. At the terminus of the project, a comprehensive report will present all project tasks, deliverables and outcomes, as well as monitoring information (data assembled to date and long term plan) to document progress in achieving goals and objectives. An emphasis will be placed on quantitative and qualitative outcomes including miles of stream restored for fish passage, linear feet of channel restored; number and type habitat structures installed; and improvements in benthos, fish population and species diversity. Public Involvement will be provided by Friends of the Rouge with oversight by the ARC.

Cost: \$18,188.00

Task 4 Monitoring – Pre and post-construction monitoring will be completed by the ARC with support from Friends of the Rouge and Wayne County as detailed below.

Cost: \$45,632.00

**Alliance of Rouge Communities
2012 Budget - Draft 10/11/2011**

Expected Revenues Available for 2012

2012 Dues from Communities	\$ 270,261
2012 Rouge Project Grant (estimated)	\$ 234,938
GLRI Grants	\$ 962,880
GLRI Match	\$ 71,250
RPO Round X Grant	\$ 5,949
RPO Round X Match	\$ 3,480
CMI Grant	\$ 26,907
NOAA Grant	\$ 491,768
SPAC Grant	\$ 10,000
2012 Rain Barrel Sales (estimated)	\$ 5,000
Corporate Support (goal for 2012 is \$10,000)	\$ 10,000
Rollover Dues from 2011 Budget (estimated)	\$ 30,000
	\$ 2,122,433

Proposed ARC 2011 Budget Items	Committee Proposal	Funding Source								"Provider" Using Budget (\$)
		ARC Dues	Rouge Grant	Rouge Round X Grant	GLRI Grant	SPAC Grant	NOAA Grant	CMI Grant	Other Source/Match	
Rouge Grant										
Organization Committee										
(1)OC1 Executive Director Services	\$ 167,471	\$ 83,736	\$ 83,736							EDS
Pursuing Grant Opportunities	\$ 20,000	\$ 20,000	-							EDS
Organization Committee Total	\$ 187,471	\$ 103,736	\$ 83,736							
Finance Committee										
(2)FC1 Accounting/Legal Services	\$ 15,000	\$ 15,000	-							outside purchase
(2)FC2 ARC Insurance	\$ 4,000	\$ 4,000	-							outside purchase
Finance Committee Total	\$ 19,000	\$ 19,000	\$ -							
Public Education and Involvement Committee										
PIE1 Green Infrastructure Campaign	\$ 79,500	\$ 39,750	\$ 39,750							EDS/WC/ARC
PIE2 Public Ed Materials	\$ 24,590	\$ 12,295	\$ 12,295							EDS/WC/ARC
PIE3 Website Maintenance	\$ 7,750	\$ 3,875	\$ 3,875							EDS/WC
PIE4 Watershed Stewardship and Reporting	\$ 18,590	\$ 9,295	\$ 9,295							FOTR
(4)PIE5 PIE Committee Initiatives	\$ 10,000	\$ 5,000	\$ 5,000							
PIE Committee Total	\$ 140,430	\$ 65,215	\$ 70,215						\$ -	
Technical Committee										
TC1 Rouge River Watershed Monitoring Activities	\$ 22,000	\$ 11,000	\$ 11,000							WC/EDS
TC2 Storm Water Reporting	\$ 21,800	\$ 10,900	\$ 10,900							EDS/ARC
TC3 IDEP	\$ 87,500	\$ 43,750	\$ 43,750							EDS/WC/IOC
TC4 Compliance Initiatives	\$ 18,200	\$ 9,100	\$ 9,100							
(5)TC5-CM11 Monitoring to Support E. Coli TMDL Implementation	\$ 12,474	\$ 6,237	\$ 6,237							EDS
Technical Committee Total	\$ 161,974	\$ 80,987	\$ 80,987						\$ -	
Total Amount Requested by All Committees	\$ 508,875	\$ 268,938	\$ 234,938						\$ -	
		ARC Dues	Rouge Grant	Rouge Round X Grant	GLRI Grant	SPAC Grant	NOAA Grant	CMI Grant	Other Source/Match	
GLRI Grant										
GLRI 1 Transforming the Rouge AOC from Mowed Down to Grown Up										
GLRI1A Grow Zone Design and Construction Oversight	\$601,818				\$530,566					
GLRI1B Construct Grow Zones									\$31,250	
GLRI1C Final design, permitting and construction oversight at Valley Woods Wetland Preserve										
GLRI1D Construct Valley Woods Wetland Preserve Improvements										
GLRI1E Monitoring									\$40,000	
GLRI1F Public Education	\$10,000	\$10,000								
GLRI1G Grant Administration and Reporting										
Sub-total GLRI 1	\$611,818	\$10,000			\$530,566				\$71,250	
GLRI 2 Danvers Pond Dam Removal and Stream Restoration										
GLRI2A Engineering	\$432,314				\$432,314					
GLRI2B Construction										
GLRI2C Construction Oversight										
GLRI2D Grant Administration										
Subtotal GLRI 2	\$432,314				\$432,314				\$0	
TOTAL GLRI	\$1,044,132	\$10,000			\$962,880				\$71,250	
		ARC Dues	Rouge Grant	Rouge Round X Grant	GLRI Grant	SPAC Grant	NOAA Grant	CMI Grant	Other Source/Match	
Rouge Round X										
RPO 1 RGC Urban Habitat Improvement										
RPO1A Demonstration Riparian Buffer Planning and Installation	\$3,573			\$3,573						
RPO1B Wetland Conservation and Mitigation Plan										
RPO1C Interpretive Signage	\$3,946			\$2,030					\$1,916	
RPO1D Public Workshop	\$1,910			\$346					\$1,564	
Total RPO 1	\$9,429			\$5,949					\$3,480	
CMI										
(7)CMI1 CMI1 Rouge River Monitoring for E.coli TMDL Implementation	\$26,907							\$26,907	(5)	
TOTAL CMI	\$26,907							\$26,907		
NOAA										
(6) NOAA1 NOAA 1 Wayne Road Dam Removal	\$491,768						\$491,768			
TOTAL NOAA	\$491,768						\$491,768			
SPAC										
(8)SPAC3 SPAC3 Developing a Coordinated Effort to Address Rouge AOC BUIs	\$10,000					\$10,000				
TOTAL SPAC	\$10,000					\$10,000				
TOTAL BUDGET	\$2,091,111	\$278,938	\$234,938	\$5,949	\$962,880	\$10,000	\$491,768	\$26,907	\$74,730	
TOTAL INCOME	\$2,122,433									
Available Unallocated ARC Budget (total income minus total budget)	\$31,322									

Notes

- (1) Includes fiduciary services, advocacy and administration
- (2) Not a Rouge grant eligible item; funded 100% from ARC dues
- (3) EDS - Executive Director Services, WC - Wayne County, OC - Oakland County Officers and committee members provide assistance to implement most of the ARC tasks. Cost for this assistance is not included in ARC budget.
- (4) PIES - This line item is budgeted, but will not start until additional income is received through corporate support or other funding source. This item will be reviewed during the second quarter of 2012 by the Finance Committee.
- (5) TC5-CM11 is being completed under the Rouge Grant as match for the CMI project which accepts other federal funds as match.
- (6) In 2011, the ARC received a NOAA grant totaling \$1,033,536 for Wayne Rd. Dam. \$50,000 was budgeted for the 4th quarter of 2011, with half of the remaining amount (\$491,768) budgeted for 2012 and the other remaining half (\$491,768) to be budgeted in 2013. No match is required.
- (7) CMI1 added to show 2012 awarded grant amount of \$26,907. \$5,042 was budgeted in 2011, and \$5,472 will be budgeted in 2013 with an additional \$12,474 match budgeted in 2012 that will be split 50/50 between ARC dues and Rouge Grant funds under TC5-CM1. Total award is \$49,895.
- (8) SPAC3 added to show awarded grant amount of \$10,000 for 2012, \$14,989 was budgeted in 2011. Total award is \$24,989.

2012 Executive Director Services Budget Highlights

The proposed 2012 Executive Director Services includes an increase of \$7,700 because of the work required to maintain the ARC's financial activities and the anticipated increased work load necessary for the required federal audit in 2012. Additionally, we are requesting a \$10,000 increase for grant writing in 2012. Explanations for both budget items are as follows:

Grant writing: This is being increased by \$10,000 and will cover the cost of writing five grants. This year the ARC budgeted \$10,000 and wrote five grants at a cost of \$21,000. Of the five grants, the ARC has been awarded three: \$1 Million from NOAA for Wayne Road Dam removal; \$50,000 for E. coli monitoring in the Main 1-2 and the Upper and \$24,000 for creating a strategy for the Upper Rouge Subwatershed to address beneficial use impairments. We are waiting to hear about an application for a \$300,000 grant from the U.S. Forestry Service to buy 2,000 trees for ARC communities.

Monthly Tracking, Reporting and Financials is being increased by \$7,700 based on the actual cost of doing the ARC bookkeeping, the reporting and the audit -- which will require more staff time for the required federal audit in 2012.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2012 BUDGET RECOMMENDATION

REQUEST DATE: September 19, 2011

LINE ITEM: OC1 Executive Director Services

COMMITTEE MAKING REQUEST: Organization Committee

BACKGROUND: The ARC hired Environmental Consulting & Technology (ECT) in early 2007 to provide Executive Director Services to the ARC. Based on ECT's performance to date, the ARC Officers requested an updated cost proposal from ECT. Attached is the breakdown of hours and costs. The service level is similar to what the ARC has received from ECT since 2007.

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. Additional duties for 2011 include:

- Staffing and facilitation of the full ARC (3 meetings); the Executive Committee (6 meetings); the Organization Committee (2 meetings) and the Subwatershed Advisory Groups (SWAGs) (1 meeting for three combined SWAGs).
- Distribution of meeting materials and FOIA services
- Serving as the Primary Liaison and Advocate for the Rouge River Watershed
- Quick Books Monthly Tracking and Reporting
- Facilitation of the Finance Committee meetings (4 meetings)
- Administrative Oversight/Contractor Management/Ongoing Support
- ARC Marketing & Communications
- Annual Report

This request includes the budget for facilitation and oversight of the Technical Committee (4 meetings) and the Public Involvement and Education Committee (4 meetings) as well as preparation of the 2013 committee budgets.

This request also includes the Grant Preparation budget for up to five grants. This represents \$20,000 in non-federal ARC monies to pursue grants in 2012.

RATIONALE: The Alliance of Rouge Communities needs an executive director to manage its day to day activities and finances.

BUDGET: ECT has submitted an estimated 2012 budget of \$167,471 for basic executive director services and a request for \$20,000 for grant writing.

RECOMMENDATION:	Executive Director Services:	\$167,471
	Pursuing Grant Opportunities:	<u>\$ 20,000</u>
	TOTAL:	\$187,471

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Executive Committee must approve any extension of contract with the Executive Director in 2012. The Executive Director will report to the ARC Chair.

2012 ARC EXECUTIVE DIRECTOR PROPOSED BUDGET

September 8, 2011

2012 ARC EXECUTIVE DIRECTOR PROPOSED BUDGET										
September 8, 2011										
Task No.	Task Description	ECT Staff Hourly Rate	Jim Ridgway \$58	Annette Demaria \$42	Zachare Ball \$39	Chris Omeara \$29	Total Labor Costs by Task	Overhead @ 1.6944	Fixed Fee @ 15%	Total Cost by Task
1	EXECUTIVE DIRECTOR ARC MEMBERSHIP MEETING SUPPORT									
1a	Full Alliance Meetings (3) [2nd, 3rd & 4th Q]		18	6	18	30	\$2,868	\$5,292	\$1,224	\$9,384
1b	Executive Committee (6)		27		20	51	\$3,825	\$7,058	\$1,632	\$12,515
1c	Organizational Committee (2)		8		8	4	\$892	\$1,646	\$381	\$2,919
1d	SWAGs (1 each =3 mtgs))		12	5	12		\$1,374	\$2,535	\$586	\$4,496
Total Hours Task 1 Meetings			65	11	58	85	Total Cost Task 1 Meetings		\$29,314	
2	EXECUTIVE DIRECTOR SERVICES & OPERATIONS									
2a	Routine Distribution of Materials/FOIA & Open Meetings Act					50	\$1,450	\$2,676	\$619	\$4,744
2b	Advocate for RR Watershed & Primary Liaison		170		25	75	\$13,010	\$24,006	\$5,552	\$42,568
2c	Quick Books Monthly Tracking & Reporting (15 hours/mo)					180	\$5,220	\$9,632	\$2,228	\$17,080
2d	Finance Committee (4)		8		8	36	\$1,820	\$3,358	\$777	\$5,955
2e	Administrative Oversight/Contractor Management/Ongoing Support		20		80	20	\$4,860	\$8,968	\$2,074	\$15,902
2f	ARC Marketing & Communications Strategy		8		12	12	\$1,280	\$2,362	\$546	\$4,188
2g	Annual Report		2	2	20	8	\$1,212	\$2,236	\$517	\$3,966
Total Hours Task 2 Support for the ARC			208	2	145	381	Total Cost Task 2 Support for the ARC		\$94,403	
3	TECHNICAL COMMITTEE SUPPORT									
3a	Technical Committee (4) + Budget Requests Preparation			150			\$6,300	\$11,625	\$2,689	\$20,613
See Technical Committee Budget Request Packet for other Executive Director assigned tasks.										
Total Hours Task 3 Technical Committee Support			0	150	0	0	Total Cost Task 3 Technical Committee Support		\$20,613	
4	PUBLIC INVOLVEMENT & EDUCATION									
4a	Public Involvement & Education Committee (4) + Budget Requests Preparation				150		\$5,850	\$10,794	\$2,497	\$19,141
See PIE Committee Budget Request Packet for other Executive Director assigned tasks.										
Total Hours Task 4 Public Involvement & Education			0	0	0	0	Total Cost Task 5 Grant Support		\$19,141	
5	PURSING GRANT OPPORTUNITIES									
5a	Grant Preparation (up to 5 grant applications)						\$0	\$0	\$0	\$20,000
Total Hours Task 5 Pursuing Grant Opportunities			0	0	150	0	Total Cost Task 5 Grant Support		\$20,000	
Total Estimated Hours by ECT Staff			273	163	353	466	EXPENSES		\$4,000	
TOTAL ARC EXECUTIVE DIRECTOR									\$187,471	

ARC 2012 Draft Budget
 Summary of Finance Committee Budget Items

<i>Item #</i>	<i>Description</i>	<i>2012 Budget</i>	<i>Responsibility</i>			
			<i>Wayne County</i>	<i>Executive Director</i>	<i>FOTR</i>	<i>ARC</i>
FC1	Accounting/Legal Services	\$15,000				\$15,000
FC2	Insurance	\$4,000				\$4,000
Total 2012 Finance Committee Budget		\$19,000	\$0	\$0	\$0	\$19,000



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2012 BUDGET REQUEST

REQUEST DATE: September 21, 2011

LINE ITEM: FC1 – Accounting and Legal Services

COMMITTEE MAKING REQUEST: Finance Committee

BACKGROUND: The Alliance of Rouge Communities voted in September 2008 to budget for legal and accounting fees starting 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 will be required to provide an A133 audit. The ARC is also responsible for preparing the FY2011 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 2011 taxes, preparation of the financial report and the required A133 audit. These funds would also cover any legal issues that may arise related to the ARC. This line item has increased from previous years due to the costs involved with the A133 audit.

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

BUDGET: \$15,000 (legal - \$1,000, accounting - \$14,000). This budget item will be paid with 100% ARC dues.

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



**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

2012 BUDGET REQUEST

REQUEST DATE: September 21, 2011

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): \$4,000 based on an estimated budget. \$4,000 was budgeted in 2011. It is anticipated that this line item will be confirmed prior to the November 1, 2011 Full ARC meeting.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Executive Director will ensure the insurance coverage does not lapse in 2012.

ARC 2012 Budget
 PIE Committee Budget Summary
 4-Oct-11

Item #	Description	2012 Budget	Responsible Party						
			Wayne County	Executive Director	FOTR	ARC			
PIE 1	Green Infrastructure Campaign								
	1. Grow zone program/ Admin		\$ 15,000	\$ 29,000		\$ 8,000			
	2. Workshop Support		\$ 2,500	\$ 5,000					
	3. Rain Barrel Education/Sales			\$ 15,000					
	4. Green Schools - Trees		\$ 5,000						
	Subtotal:	\$ 79,500	\$ 22,500	\$ 49,000	\$ -	\$ 8,000	\$ -	\$ -	
PIE 2	Public Ed Materials								
	1. Seedlings for events		\$ 3,000						
	2. Printing					\$10,590			
	3. Management/Distribution		\$6,000	\$5,000					
	Subtotal:	\$ 24,590	\$ 9,000	\$ 5,000	\$ -	\$ 10,590	\$ -	\$ -	
PIE 3	Website Maintenance								
	1. Update and Edit			\$7,250					
	2. Fees			\$500					
	Subtotal:	\$7,750	\$0	\$7,750	\$ -	\$ -	\$ -	\$ -	
PIE 4	Watershed Stewardship and Reporting					\$ 18,590			
	Subtotal:	\$ 18,590							
PIE 5	PIE Initiatives								
	1. Green Schools - Trees		\$ 2,500						
	2. Printing		\$2,500						
	3. Riparian Brochure			\$5,000					
	Subtotal:	\$ 10,000	\$ 5,000	\$ 5,000					
Grand Total		\$ 140,430	\$ 36,500	\$ 66,750	\$ 18,590	\$ 18,590	\$ -	\$ -	

2012 Public Involvement and Education (PIE) Committee Budget Highlights

Total Budget: \$140,430

The 2011 PIE budget reflects a slight increase (\$2,590) in cost from the 2012 budget due to the slight increase in cost of seedlings and packaging in PIE 2. Because of ARC budget constraints, \$10,000 worth of activities and materials will be put under the PIE Initiatives Task for funding later in the year, budget permitting. 2012 PIE Committee highlights are:

- (PIE 1) The *Green Infrastructure Activities* task budget is about \$12,000 lower because budget was transferred to PIE 2 to pay for increased printing costs in 2012. The activities for this task are nearly the same and will provide for the planning, design and plant materials for up to three planting projects in public golf courses in the Rouge River Watershed; analysis and project profiles for the 29 ARC grow zones installed in the watershed from 2009-11; partnering with Friends of the Rouge to present three workshops; ARC rain barrel sales and education for up to four events and the purchase of trees for new participating Green Schools.
- (PIE 2) The *Public Education Materials* task has increased budget for printed materials and giveaways and supports the purchase and distribution of seedlings at local events, such as community events, rain barrel sales and HHW collection days. The printing budget will pay for printing the riparian homeowners' brochure, seedling packaging, bookmarks, magnetic clips and design software.
- (PIE 3) The *Website Maintenance* task budget remains the same and supports design, writing and maintenance fees for the ARC website.
- (PIE 4) *Watershed Stewardship and Reporting* supports Friends of the Rouge conducting grow zone maintenance workshops, the golf course workshop, a hands-on native planting workshop for homeowners, participation in community events to promote watershed stewardship, and creating an annual report of FOTR events and volunteer participation.
- (PIE 5) PIE Initiatives: The activities that will be conducted, budget permitting are:
 - Design of a riparian homeowner's brochure with related material on the ARC website. (\$5,000)
 - Printing/Wayne County (\$2,500)
 - Green Schools Trees/Wayne County (\$2,500)



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2012 BUDGET RECOMMENDATION

REQUEST DATE: August 19, 2011

LINE ITEM: Green Infrastructure Campaign (PIE 1)

COMMITTEE MAKING REQUEST: PIE

BACKGROUND: This task continues the work begun in 2009 to educate the public about the benefits of green infrastructure. Since 2005, the ARC PIE Committee has conducted such activities as septic system maintenance workshops, green infrastructure workshops and bus tours across the watershed and sales of rain barrels to interested citizens. Additionally, a successful green infrastructure grant program was conducted by the PIE Committee in 2009-11 that has provided funding for 29 small green infrastructure projects across the Rouge River Watershed.

DESCRIPTION OF ANTICIPATED ACTIVITIES: Proposed budget for the Green Infrastructure Campaign is \$79,500. This task will include the following activities and budgets:

- *Grow Zone Program:* Total Task Budget: \$52,000
- The PIE Committee will publicize and oversee a program that will provide funding for three (3) grow zones in public golf courses to dovetail with a green infrastructure workshop for municipal golf courses presented by Friends of the Rouge. This task reflects the ARC's continuing efforts to promote green infrastructure. The PIE Committee will also conduct up to two meetings with ARC staff, communities and PIE members to develop, review and revise criteria, accept and screen applications for the municipal golf course grow zones. This task budget will allow for the following tasks: Wayne County will make site visits to successful applicants, provide trouble-shooting, assist with plant/seed delivery and sorting and ordering signage. Wayne County will also plan and conduct several volunteer workday events at existing GI sites within the Rouge River watershed. ARC staff will make site visits, design the 2012 grow zones and provide trouble-shooting assistance and grow zone plants and seeds. Additionally, ARC staff will perform administration tasks, including developing criteria, publicizing the program and accepting and ranking projects. ARC staff will also conduct an analysis and write project profiles for the 29 ARC grow zones installed from 2009-11 in the watershed. The ARC will purchase the plants needed to support this task.
- *Workshops:* Total Task Budget: \$7,500

The PIE Committee proposes to support the presentation by FOTR of the following workshops in 2011:

-- *Golf Course Green Practices Workshop*: This workshop will be presented at a golf course in the Rouge River Watershed in conjunction with the Turf Grass Association at Michigan State University to educate golf course owners in the Rouge River Watershed about green infrastructure and practices. This workshop will be presented in the Fall, 2011.

-- *Maintenance Update Workshop for Stakeholders*: The ARC, Wayne County and Friends of the Rouge will conduct a workshop for stakeholders who installed ARC and FOTR grow zones from 2009-11 to discuss lessons learned.

-- *Native Landscaping Workshop for Homeowners*: The ARC, Wayne County and Friends of the Rouge will present a follow-up workshop to the one held in 2011 about native plants. The 2012 workshop will focus on actual sites and how to design and plant a residential native garden/grow zone.

- *Rain Barrel Education/Sales*: Total Task Budget: \$15,000

Rain Barrel Education and Sales has been one of the most effective avenues to educate people about storm water practices and the ARC. Since 2010, the ARC has sold nearly 3,000 rain barrels to watershed homeowners through events in Redford Township, Troy, Farmington Hills, Southfield, Westland and Novi. In 2010, the ARC sponsored five rain barrel sales. It is intended that the ARC will hold up to four rain barrel sales in 2012. This task will support the planning, staffing and stakeholder follow-up for those events.

- *Green Schools*: Total Task Budget: \$5,000

Wayne County, on behalf of the PIE Committee, will continue to oversee the Green Schools program in Wayne County and coordinate with Oakland County. The Green Schools Program educates students about waste reduction and pollution prevention. Each new Green School will get a tree to plant to promote green infrastructure. In 2011, 100 Rouge River Watershed schools joined the Green Schools program and received trees.

RATIONALE (including why needed): Green Infrastructure is a catch-all term for many of the post-construction storm water BMPs that need to be implemented to maintain storm water permit compliance and should be implemented on an increasing basis to realize the restoration of the Rouge River. This task encompasses a variety of green infrastructure elements including grow zone education and installation, rain barrel sales and education and tree planting at local schools. This activity directly impacts reducing storm water runoff and sewer overflows. Green Infrastructure has a variety of environmental and economic benefits. These benefits include: cleaner water, enhanced water supplies, cleaner air, reduced urban temperatures, moderates the impacts of climate change, increased energy efficiency, source water protection, community aesthetics and cost savings. Additionally, these activities are a good way to publicize the ARC and its mission.

BUDGET (including how the requested amount was established): \$79,500

Grow Zone Program: \$52,000 budget cost is based on similar projects conducted by Wayne County Department of Environment and the ARC. This budget will include coordination of the overall project and site visits and design work for three (3) green infrastructure projects at municipal golf courses; plants and seed for the projects, and signage for the projects. This budget will also cover staff time for up to two (2) subcommittee meetings to prepare the program RFP and to interact with the Grow Zone Subcommittee to

review the grant applications, rank the grant applications and manage the program. Additionally, volunteer days will be organized to help maintain the projects planted in since 2009. The \$52,000 Budget is earmarked in the following way:

- \$15,000 for Wayne County to make site visits to successful applicants, provide trouble-shooting, assist with plant/seed delivery and sorting and ordering signage. Wayne County will also plan and conduct several volunteer workday events at existing GI sites within the Rouge River watershed. Additionally this budget will pay for Wayne County staff to help with assessment of existing ARC grow zones.
- \$29,000 for ARC staff for site visits, design, trouble-shooting, administration, including developing the RFP, review and ranking of submitted projects

Workshops: The \$7,500 budget was based on providing support for other workshops presented in previous years. The budget for this task will be earmarked in the following way:

- \$2,500 for Wayne County to provide technical support for three workshops planned by Friends of the Rouge.
- \$5,000 for ARC to provide technical support and assistance in planning three workshops presented by Friends of the Rouge.

Rain Barrel Education and Sales: The \$15,000 budget earmarked for this task was based on similar tasks performed in 2011 and will pay for ARC staff to make arrangements for the rain barrel sales, including reviewing publicity materials, coordinating with hosting communities, responding to stakeholders' phone calls and coordinating the sales. Subtasks include choosing locations, interacting with ARC communities and sales reps, facilitating publicity and staffing up to four rain barrel events in 2012.

Green Schools Program: The \$5,000 budget cost is based on similar work conducted by Wayne County in 2009-11 to conduct the Green Schools program in Wayne County and Oakland County. This budget would pay for Wayne County staff to purchase trees for newly designated Green Schools in Wayne and Oakland County. This budget will purchase 75 trees.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Chair of the Public Involvement and Education Committee (currently, Ms. Brandy Siedlaczek) will oversee the task on behalf of the PIE Committee. ARC Executive Director staff will perform the work with assistance from Wayne County on the Grow Zone Program and purchase and distribution of trees for the Green Schools program.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2012 BUDGET RECOMMENDATION

REQUEST DATE: August 19, 2011

LINE ITEM: Public Education Materials (PIE 2)

COMMITTEE MAKING REQUEST: PIE

BACKGROUND: This task will blend the creation of public education materials with continuing to distribute items that have been successful in the past. Since 2010, the PIE Committee staff has distributed native seedlings at community events, rather than printing materials that may or may not be distributed by communities. In 2011, ARC staff distributed seedlings at the rain barrel sales events and community events. Additionally, ARC staff designed and distributed bookmarks that publicize the ARC and includes helpful stewardship tips. ARC staff also revived magnetic clips as a giveaway at various events. Distribution of these items enabled ARC staff to do the following:

- Make direct contact with the public to promote the Alliance of Rouge Communities. Some 5,000 bookmarks were distributed to ARC member communities; the Cranbrook Water Festival and ARC member community libraries.
- Directly distribute focused public education materials with the seedlings. These materials included *The Value of Trees* brochure and illicit connection hotline brochures.
- Promote the ARC website. Recipients of seedlings were asked to register their trees on the ARC website.

DESCRIPTION OF ANTICIPATED ACTIVITIES: This task would cover the cost of purchasing tree seedlings to distribute at up to five public events; purchase of bookmarks; the purchase of magnetic clips and the design and printing of a riparian homeowner brochure with related content on the ARC website. Finally, this task will pay for ARC and Wayne County staffs to plan and prep for the events' provide printing and related graphics support for the seedling packaging and for ARC staff to coordinate distribution of materials at various events.

RATIONALE (including why needed): This activity would help ARC communities fulfill the public education program (PEP) requirements as it relates to stewardship and watershed awareness. It will also promote the ARC to residents of ARC communities.

BUDGET (including how the requested amount was established): \$24,590

- *2,000 Seedlings:* \$3,000 for 2,000 seedlings based on the cost of seedlings (\$1.36 ea.) in 2011, and accounting for the possibility of a slight increase. The \$3,000 figure anticipates any increases in the cost of seedlings or shipping. The seedlings are distributed at ARC community events. (*Wayne County task*)
- *Printing:* \$10,590 for any printed materials included with the trees, packaging, labels and other incidentals. This cost also provides for small printings of other materials as requested

by ARC communities. (*\$10,590 for the ARC, which also includes \$1,900 for updated design software.*)

- *Management and Distribution: \$11,000 in labor for ordering, packaging and distributing the trees; distributing bookmarks and clips and related activities. (\$6,000 for Wayne County and \$5,000 for ARC staff)*

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Chair of the Public Involvement and Education Committee (currently, Ms. Brandy Siedlaczek) will oversee the task on behalf of the PIE Committee. ARC Executive Director staff and Wayne County staff will track and manage inventory and orders, distribute seedlings. ARC staff will write and design any written materials as well as perform other activities required by this task. The ARC will pay for printed materials.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2012 BUDGET RECOMMENDATION

REQUEST DATE: August 19, 2011

LINE ITEM: ARC Website Update and Maintenance (PIE 3)

COMMITTEE MAKING REQUEST: PIE

BACKGROUND: Monthly maintenance and regular updates are required for the ARC website (www.allianceofrougecommunities.com) This task would provide budget to pay the monthly website fee and staff time to provide regular updates to the site.

DESCRIPTION OF ANTICIPATED ACTIVITIES: This budget would cover the cost of monthly maintenance, including adding graphics, editing and review and the monthly website fee.

RATIONALE: This activity would provide for technical support to the website as well as production of a website that is useful to ARC members and the general public.

BUDGET: \$7,750. The budget is based on hours per month to perform updates and maintenance (\$7,250) and the monthly website fee (\$500).

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Chair of the Public Involvement and Education Committee (currently, Ms. Brandy Siedlaczek) will oversee the task on behalf of the PIE Committee. The ARC Executive Director staff will perform the work and the ARC will pay the maintenance fees.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2011 BUDGET RECOMMENDATION

REQUEST DATE: September 15, 2012

LINE ITEM: Watershed Stewardship and Reporting (PIE 4)

COMMITTEE MAKING REQUEST: PIE

BACKGROUND: Partnerships are critical for Friends of the Rouge in meeting its mission to promote restoration and stewardship of the Rouge River ecosystem. To sustain and grow these partnerships and to promote the organization, FOTR must attend local and regional meetings and events. This year, FOTR will partner with the ARC to produce three workshops: one focused on grow zone maintenance; one focused on public golf courses and one focused on green landscaping for homeowners. Additionally, FOTR will attend various community and regional events to promote stewardship of the Rouge River and to promote the ARC. Finally, the FOTR will provide the ARC a detailed report on various activities sponsored around the watershed, including the Frog and Toad Survey, Benthic Macroinvertebrate Surveys, and Rouge Rescue to assist ARC members in reporting these activities for as part of their annual reports.

DESCRIPTION OF ANTICIPATED ACTIVITIES: This budget would cover the cost of three workshops, An internal planning session, participation in community events and the 2012 annual summary of participation in FOTR activities. Specific activities are as follows:

Task 1: Local & Regional Outreach

Volunteer Recruitment Strategy: Meeting with FOTR, Wayne County and ARC staffs to develop a strategy to communicate with untapped volunteer force to encourage maintenance of ARC, FOTR and Wayne County grow zones.

Deliverable: Draft Strategy

Naturalizing Rouge River Watershed Public Golf Courses Workshop (Feb or March 2012)

Sponsor a workshop with the municipal golf courses in the Rouge River to discuss Rouge Friendly practices and solicit interest in participating in the ARC grow zone program. Another purpose of this workshop will be to recruit up to three public golf courses to sponsor ARC grow zones.

Naturalizing the Home Garden: A how-to workshop with hands-on instruction on the mechanics of planting a residential grow zone. This would be a follow-up workshop to the ARC/FOTR grow zone workshop held in April, 2011. The draft agenda is:

Designing your garden (Participants would be asked to bring a sketch or Google map of their garden area)

Class time to design garden/list of plants

Q&A discussion

Rewards: For the best design. Winner gets native plants for their garden; Second runner up gets a rain barrel

Participants get a certificate: Managing their yard for storm water

Signs available for purchase designating their garden is certified.

Maintenance/Follow-up Workshop (mid-June) for ARC and FOTR grow zone participants in mid-June to survey participants and discuss what has worked and what hasn't during the three year ARC grow zone program. Discuss resources and maintenance issues.

Examples of the types of community events to be attended by FOTR staff include: Detroit River Days, Cranbrook Water Festival, University of Michigan-Dearborn Water Festival, State of the Strait Conference, Earth Day Events, Stewardship Network Cluster Planning Meetings and various community events.

Budget: \$16,445

Task 2: Annual Report

Friends of the Rouge will develop and generate an annual report of the activities it conducts in 2012 that help ARC members fulfill the requirements of the storm water permit. This will include all FOTR programs (Rouge Rescue, Rouge Education Project, Benthic Monitoring, Frog and Toad Survey, River Restoration) and Local and Regional Outreach. Information will include event dates and locations; number of volunteers; residency of volunteers, etc.

Budget: \$2,145

RATIONALE: These activities support the ARC mission of providing public education and supporting river stewardship, as well as providing a tool for ARC members' annual reporting.

TOTAL BUDGET: \$18,590.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Chair of the Public Involvement and Education Committee (currently, Ms. Brandy Siedlaczek) and ARC staff will oversee this task on behalf of the PIE Committee. FOTR will perform the work in conjunction with similar tasks conducted by the ARC and Wayne County.

2012 Workshops:

Volunteer Recruitment

Follow-up meeting (Jan. 2012) Tonya, Nancy Gregor, Cyndi, Zachare, Sally:

Purpose: How to communicate with untapped volunteer force?

- Invite Dave Bourneman in to discuss his program: Natural Area Preservation (NAP) volunteers.
- Invite Lillian Dean to discuss Master Composter program and volunteers

Develop Strategy

Workshop: Naturalizing Golf Courses (Feb or March 2012)

Sponsor a workshop with the municipal golf courses in the Rouge River to discuss Rouge Friendly practices and solicit interest in participating in the ARC grow zone program. Contact Brittany Bird, who has held one of these workshops in Oakland County.

Resource information below is from Laura Gruzowski:

Michigan Turfgrass Environmental Stewards Program site -

<http://www.mtesp.org/>

MSU Turfgrass Science

<http://turf.msu.edu/golf-courses>

Michigan Turfgrass Foundation

<http://www.michiganturfgrass.org/>

For your reference:

<http://www.michiganturfgrass.org/-mtesp-86/>

<https://sites.google.com/site/mishorelinepartnership/home>

Workshop: Maintenance/Follow-up for ARC and FOTR grow zone participants (mid-June, after Rouge Rescue) Possible speakers:

Participant Speakers:

Linda Eastman/Cleveland School

Carl Van Aartsen/Redford Township

Kathy Hagaman/Bingham Farms

Resources (How do they handle maintenance?):

Noel Mullett/Bennett Arboretum

David Bourneman/Ann Arbor

Brittney Bird/Oakland County

Workshop: How to plant a native plant garden**We didn't designate when we would hold this**

This would be a follow-up workshop to the grow zone workshop we had in April, 2011

Presentation:

Designing your garden (Participants would be asked to bring a sketch or google map of their garden area)

Class time to design garden/list of plants

Q&A discussion

Rewards: Best design, or whatever will be the plants for their garden

Second runner up gets a rain barrel

Participants get a certificate: Managing their yard for storm water

Signs available for purchase designating their garden is certified.



ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2012 BUDGET RECOMMENDATION

REQUEST DATE: October 4, 2011

LINE ITEM: PIE Committee Initiatives (PIE 5)

COMMITTEE MAKING REQUEST: PIE

BACKGROUND: The overall proposed 2012 ARC budget needed to be cut by approximately \$10,000. The tasks outlined in this budget recommendation represent budget reductions in certain areas in the proposed 2012 PIE budget. Assuming budget can be found in mid-late 2012, these tasks will be completed.

DESCRIPTION OF ANTICIPATED ACTIVITIES: This task would cover the cost of :

Printing (Wayne County), additional trees for new schools entering the Green Schools program (Wayne County) and the design of a Riparian Homeowners Brochure (ED staff).

RATIONALE (including why needed): If funded, this activity will help the ARC communities fulfill the public education program (PEP) requirements as it relates to stewardship and watershed awareness. It will also promote the ARC to residents of ARC communities.

BUDGET (including how the requested amount was established): \$10,000

- *Printing (Wayne County):* \$2,500 This budget is to pay for labels and printed materials for seedlings, and other costs necessary for the ARC public education program. This budget will be restored if additional funding is secured
- *Green Schools:* \$2,500 The 2012 PIE Budget includes \$5,000 for trees for new Green Schools. This budget will supplement the tree budget if needed.
- *Riparian Homeowners' brochure:* \$5,000 for design of the brochure and collecting related content for the ARC website.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Chair of the Public Involvement and Education Committee (currently, Ms. Brandy Siedlaczek) will oversee the task on behalf of the PIE Committee. Wayne County staff will order Green School trees and print materials as needed. The ARC ED Staff will design the Riparian Homeowners' brochure and related content on the ARC website.

2012 Technical Committee Budget Summary
Draft: October 4, 2011

Item #	Description	Budget	Responsible Party				
			Wayne County	Executive Director	USGS	Oakland County	ARC*
TC1	Rouge River Watershed Monitoring Activities						
	A. DO/Flow Monitoring				**		
	B. Water Quality Summary			\$20,000			
	C. Geomorphology Assessment		\$2,000				
	D. Macroinvertebrate Monitoring (funded by others)						
	Subtotal:	\$22,000	\$2,000	\$20,000	\$0	\$0	\$0
TC2	Storm Water Reporting						
	A. Operation and Maintenance of the web-based Reporting System			\$19,400			\$2,400
	Subtotal:	\$21,800	\$0	\$19,400	\$0	\$0	\$2,400
TC3	IDEP						
	A. IDEP Field Investigations		\$40,000	\$2,500		\$40,000	
	B. IDEP Training		\$4,000	\$1,000			
	Subtotal:	\$87,500	\$44,000	\$3,500	\$0	\$40,000	\$0
TC4	Compliance Initiatives						
	A. MS4 Permit compliance assistance			\$18,200			
	Subtotal:	\$18,200	\$0	\$18,200	\$0	\$0	\$0
TC5/CMI 1	Monitoring to Support <i>E. coli</i> TMDL Implementation						
	A. Sampling & Analysis (match funding only)			\$12,474			
	Subtotal:	\$12,474	\$0	\$12,474	\$0	\$0	\$0
Grand Total		\$161,974	\$46,000	\$73,574	\$0	\$40,000	\$2,400

*Taxable services that can be billed directly to the ARC (As a non-profit, the ARC is exempt from paying sales tax)

**Planned 2012 effort on the Lower Rouge is postponed until 2013 following removal of Wayne Road Dam.

**Main 3-4 monitoring is being conducted in 2011 and 2012 by USGS in cooperation with MDEQ via a GLRI grant. This is at no cost to the ARC.

**2012 Technical Committee Budget
Highlights
October 19, 2011**

The 2012 Technical Committee budget is about 22% lower than the 2011 budget due to postponement of monitoring on the Lower Rouge until 2013. The 2012 TC activities are as follows:

- (TC1) The Rouge River Watershed Monitoring Activities task budget continues work performed last year to address the 5-year monitoring plan for the Rouge River. Activities for 2012 include a geomorphology assessment for the watershed and a summary report of the monitoring data from the previous year. The annual macroinvertebrate monitoring will also be completed by FOTR, but it will be funded by another grant.
- (TC2) The Storm Water Reporting System: Operation and Maintenance task supports the stream-lined, easy web-based reporting mechanism for Phase II permit reporting to the MDEQ which was completed in the 2011. The 2012 effort will include: system administration, operation and maintenance, member assistance on system use, minor programming modifications and creation of a trial watershed-wide report.
- (TC3) The IDEP Investigations and Training task continues field investigations in priority areas and provides IDEP training for ARC municipal staff. TC3 allows the ARC to address illicit discharges on a watershed-wide basis, which is far more productive than working on a community by community basis.
- (TC4) The Compliance Initiatives task provides ARC members with resources to aid them in permit compliance. Activities will include: assisting SEMCOG and other regional partners in developing a training session for municipal staff, assistance to ARC members that will be audited by the MDEQ (including gathering information from project partners and collaboration with SEMCOG), provide comments on the draft MS4 permit template that is due to be released in 2012, and work with the MDEQ to develop a Rouge-specific permit that can be adopted by the membership.
- (CMI1/TC5) The Monitoring to Support TMDL Implementation task covers match funding for a recently awarded CMI grant to narrow down human sources of E. coli in Pebble Creek and potentially Seeley Drain and Minnow Pond Drain. Dry weather monitoring will be conducted instream first and then at storm sewer outlets to determine which potentially are impacted by sewage. Suspect sewers will be referred to the local community for source investigation and identification. This project begins in late 2011 and ends in early 2013. The requested budget represents 100% of the entire match requirement for the project.



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**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2012 Budget Recommendation
Technical Committee
Monitoring Services**

REQUEST DATE: October 19, 2011

LINE ITEM TC1: Rouge River Watershed Monitoring Activities

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: During 2007, the Technical Committee drafted a new set of goals for the new 5-year monitoring plan that were based on the assumption that grant funding would not be available to continue the extensive monitoring program previously undertaken in the watershed. In 2008, the Technical Committee drafted a 5-Year Monitoring Plan for the watershed, which reduced the amount and type of monitoring occurring throughout the watershed (See Table 1). The 5-Year Plan summarizes the manner in which restoration progress will be measured in the watershed and is included in the draft Watershed Management Plan. Some of these activities are funded by the ARC, while others are funded by other agencies.

The 2012 activities specified in the original 5-Year Plan include biological, physical and hydrologic monitoring. However due to the planned removal of Wayne Road dam on the Lower Rouge, the stream flow and water quality monitoring planned for US9 and LD05 have been postponed until 2013. In addition, the USGS (funded by a GLRI grant) has conducted water quality monitoring at US7 in 2010 and 2011. Therefore, monitoring at US7 in 2013 is not necessary. Lastly, the USGS stopped monitoring stream flow at US6 (Evans Ditch) in 2009 due to funding limitations. The revised 5-Year Plan is provided in Table 2. The water quality and stream flow station locations are provided in Figures 1 and 2 for reference.

Activities planned for 2012 are itemized below.

- Geomorphology assessment.
- Macroinvertebrate monitoring.

Table 1. Original Rouge River 5-Year Monitoring Plan

Element	Monitoring Locations	O = Non-ARC services (as of 9/2010) X = ARC funded services (as of 9/2010)				
		2009	2010	2011	2012	2013
Planning & Reporting						
Monitoring Plan Annual Review	Not Applicable	X	X	X	X	X
Data Handling, Data Management & Analysis	Not Applicable	X	X	X	X	X
Report/Brochure/Press Release	Not Applicable		X		X	
Physical Monitoring						
Geomorphology/stream classification	10 sites (2009-11) 7 sites (2012)	O	OX	OX	X	X
Precipitation	Apr-Nov at 21 sites (15 min totals)	O	O	O	O	O
Continuous Stream Flow (15 min data)*	Year round					
Main 1/2	3 sites (US4,US5,US6)	O	O	O	O	O
Upper	US3 each year + U05 one year	O	OX	O	O	O
Middle 1	1 site at outlet (US10)			X		
Middle 3	US2 each year + D06 one year	O	O	OX	O	O
Lower 1	1 site at outlet (US9)				X	
Lower 2	US1 each year + L05D one year	O	O	O	XO	O
Main 3/4	1 site (US7)	O	O	O	O	O
Water Quality						
Continuous DO and Temp (15 min)	May-Oct					
Main 1/2						
Upper	1 site at outlet (U05)		X			
Middle 1						
Middle 3	1 site at outlet (D06)			X		
Lower 1						
Lower 2	1 site at outlet (L05D)				X	
Main 3/4	1 site (US7)					X
<i>E. coli</i> **	As selected by MDEQ		O			
Total Phosphorus (TP)**	As selected by MDEQ		O			
Total Suspended Solids (TSS)**	As selected by MDEQ		O			
Biological Health						
Fish, Macroinvertebrates, Habitat**	As selected by MDEQ		O			
Macroinvertebrates	20-24 sites by FOTR	X	X	O	O	X
Macroinvertebrates	20 sites by WC	O	O	O	O	X
Green Infrastructure (Land Cover) Monitoring	Across ARC	X	O	O	O	O
Public Education/Involvement						
Public Survey	Not Applicable					
Summary of Volunteer Restoration Efforts	Not Applicable	O	O	O	O	O
Pollution Prevention						
Illicit Discharges Identified & Eliminated	Not Applicable	O	O	O	O	O

*Stream gages operated by USGS are italicized.

**Based on the availability of funding per the MDEQ (not completed in 2010).

Table 2. Revised 5-Year Rouge River Monitoring Plan (changes are highlighted in green)

Element	Monitoring Locations	O = Non-ARC services (as of 9/2010) X = ARC funded services (as of 9/2010)				
		2009	2010	2011	2012	2013
Planning & Reporting						
Monitoring Plan Annual Review	Not Applicable	X	X	X	X	X
Data Handling, Data Management & Analysis	Not Applicable	X	X	X	X	X
Report/Brochure/Press Release	Not Applicable		X		X	
Physical Monitoring						
Geomorphology/stream classification	10 sites (2009-11) 7 sites (2012)	O	OX	OX	X	X
Precipitation	Apr-Nov at 21 sites (15 min totals)	O	O	O	O	O
Continuous Stream Flow (15 min data)*	Year round					
Main 1/2	3 sites (US4,US5) and US6 (2009 only)	O	O	O	O	O
Upper	US3 each year + U05 one year	O	OX	O	O	O
Middle 1	1 site at outlet (US10)			X		
Middle 3	US2 each year + D06 one year	O	O	OX	O	O
Lower 1	1 site at outlet (US9)				I	X
Lower 2	US1 each year + L05D one year	O	O	O	O	XO
Main 3/4	1 site (US7)	O	O	O	O	O
Water Quality						
Continuous DO and Temp (15 min)	May-Oct					
Main 1/2						
Upper	1 site at outlet (U05)		X			
Middle 1						
Middle 3	1 site at outlet (D06)			X		
Lower 1						
Lower 2	1 site at outlet (L05D)				I	X
Main 3/4	1 site (US7)			O	O	I
<i>E. coli</i> **	As selected by MDEQ		O			
Total Phosphorus (TP)**	As selected by MDEQ		O			
Total Suspended Solids (TSS)**	As selected by MDEQ		O			
Biological Health						
Fish, Macroinvertebrates, Habitat**	As selected by MDEQ		O			
Macroinvertebrates	20-24 sites by FOTR	X	X	O	O	X
Macroinvertebrates	20 sites by WC	O	O	O	O	X
Green Infrastructure (Land Cover) Monitoring	Across ARC	X	O	O	O	O
Public Education/Involvement						
Public Survey	Not Applicable					
Summary of Volunteer Restoration Efforts	Not Applicable	O	O	O	O	O
Pollution Prevention						
Illicit Discharges Identified & Eliminated	Not Applicable	O	O	O	O	O

*Stream gages operated by USGS are italicized.

**Based on the availability of funding per the MDEQ (not completed in 2010).

The rationale for the 5-Year Plan is provided in the remainder of this Section.

Precipitation

Twenty-one rain gages are operated continuously by the local communities and counties in the watershed. The gages are located throughout the watershed, but there is sparse coverage in Wayne County. The operation and maintenance of these gages is done at no direct cost to the ARC. Precipitation data helps direct community specific efforts including: retention basin operation, combined sewer overflow reporting, illicit discharge elimination investigations, water quality monitoring, etc. Therefore, precipitation monitoring should continue at its current level of effort.

Stream Discharge/Flow

Stream discharge data coupled with water quality data (measured or historical) is used in pollutant modeling and pollutant loading calculations to determine areas where storm water pollution remediation efforts need to be undertaken. Discharge also impacts stream habitat for aquatic organisms. Therefore, discharge monitoring should continue in each subwatershed until the established targets are met and until stable aquatic life communities are established and maintained.

Seven stream gages (US1 - US7) are operated continuously in the watershed. These gages are currently operated and maintained by the United States Geological Survey (USGS) each year. The operation and maintenance of these USGS gages is done at no direct cost to the ARC. Five additional stream gages should be funded by the ARC for one year each. The purpose of two of the additional gages (US9 and US10) is to provide discharge data in two unmonitored subwatersheds (Lower 1 and Middle 1). The purpose of the other three gages (U05, D06 and L05D) is to provide discharge data during periods of continuous water quality monitoring as described below.

Continuous Water Quality Monitoring

Dissolved oxygen (DO) and temperature data are used as indicators of the overall health of the river at various locations. Since this data is collected continuously, it is very useful in determining spatial and temporal water quality trends. In general, DO and temperature water quality standards are met on a routine basis throughout the watershed. In addition, DO and temperature levels have remained fairly stable or improving at most locations. Therefore, continuous DO and temperature monitoring should be limited to the downstream terminus of each subwatershed for a total of 4 locations (US7, U05, D06 and L05D).

Macroinvertebrate Monitoring

Macroinvertebrate density and diversity data are used as indicators for stream habitat and water quality. Data collection efforts have historically occurred three times a year (spring and fall for macroinvertebrates and winter for stoneflies) by volunteers, who are organized by Friends of the Rouge (FOTR). This sampling occurs at more than 20 sites by FOTR volunteers and at 20 additional sites that are not safe for volunteer monitoring by Wayne County staff. Although much of the data is collected by volunteers, data is collected under a quality assurance plan approved by the MDEQ. This data collection not only provides historical water and habitat quality conditions based on the presence of certain aquatic organisms, but also provides opportunities for public involvement. Therefore, it is suggested that macroinvertebrate sampling continue in the watershed to provide stakeholders an overall assessment of conditions at multiple locations within each subwatershed

(more than can be assessed by the continuous water quality monitoring) and to promote stewardship within the watershed.

MDEQ Fishery, Habitat, Macroinvertebrate and Water Quality Monitoring

The MDEQ did not conduct a fisheries assessment in the watershed in 2010, due to budget constraints. The MDEQ did not conduct a fish community assessment in 2010, as they did in 2000 and 2005. A more detailed assessment is desired by the Technical Committee, but it is prohibited by budget constraints. The Executive Director will pursue grant funding opportunities for this type of work.

Geomorphology/Stream Classification

Stream bank erosion has long been identified as a major problem within the Rouge River watershed but until recently there has not been a science based (quantitative) approach for assessing if the problem is getting better or if it is worsening. Using stream channel geomorphology field measurement techniques (per Harrelson, et.al. 1994), the Reference Reach Spreadsheet© (developed by Mecklenberg, Ohio EPA) as adapted by the MDEQ, Wayne County will monitor and assess stream channel stability across the watershed. This will be done to both geospatially assess channel stability across the watershed, as well as, assess stabilizing or destabilizing trends over time.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The anticipated activities for 2012 include the following:

No Cost Items:

1. Continuous stream flow monitoring at six USGS sponsored sites (US1 – US5, US7);
2. Continuous water quality monitoring (including DO and temperature) and water quality sampling (for nutrients, toxics, and viruses) at US7 which is being funded by GLRI and carried out by USGS; and
3. Macroinvertebrate monitoring at 40-44 locations in the spring and fall, plus stonefly monitoring in the winter beginning in January of 2012. The ARC & FOTR has secured other grant funding to carry out these items.

2012 Budget Items:

4. Conduct geomorphology assessment at 7 sites; and
5. Summarizing the 2011 water quality monitoring effort in a brief report for the Technical Committee and communities.

Task A. Water Quality Summary

A water quality summary will be completed by the ED. This task covers the elements listed under Planning & Reporting as shown in Table 1. This summary is needed on an annual basis for the federal grant per Wayne County. This task includes the following components:

- Acquiring the rainfall, flow and continuous temperature and dissolved oxygen data from USGS. This includes all data from all USGS-monitored sites located within the Rouge River watershed as described in items 1, 2, 4 and 5 above,
- Reviewing the data for anomalies,

- Loading the data into the ARC web-based water quality database and maintaining the database,
- Analyzing the data for temporal trends,
- Assigning the data to wet and dry weather conditions,
- Graphing of the data, and
- A brief report describing the results of the 2011 flow and DO data collection effort and an assessment of historic data trends.

Task B. Geomorphology Survey

A geomorphology survey will be completed by Wayne County to provide baseline data regarding channel stability at 7 sites throughout the watershed. The survey will use field techniques developed by the Ohio EPA and adapted by the MDEQ. The effort will consist of data collection and development of a brief report and maps that describe the results.

RATIONALE (including why needed): Measuring the condition of the Rouge River ecosystem is an ongoing activity that helps determine if the ARC's storm water management efforts are effective and if they are appropriately directed. The monitoring program is detailed in the draft Watershed Management Plan (WMP) as a way of measuring progress toward watershed restoration. The MDEQ provided no comments on the 5-Year Monitoring Plan in their review of the WMP indicating that it is sufficient for meeting the Phase II permit and Section 319 funding requirements.

BUDGET (including how the amount requested was established): The total monitoring cost for 2012 is \$22,000.00 as summarized below.

Activity	Responsible Party	Estimate	Rational
A. Data Management and Water Quality Summary	ED	\$20,000	Based on previous estimates from CDM.
B. Geomorphology Assessment	WC	\$2,000	Partially funded by ARC with remaining funding coming from WC
Total:		\$22,000.00	

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The various agencies identified above will carry out the work. The Chair of the Technical Committee (currently, Mr. Gary Zorza, Vice-Chair) will oversee the task on behalf of the Technical Committee.

Figure 1. Water Quality Monitoring Stations

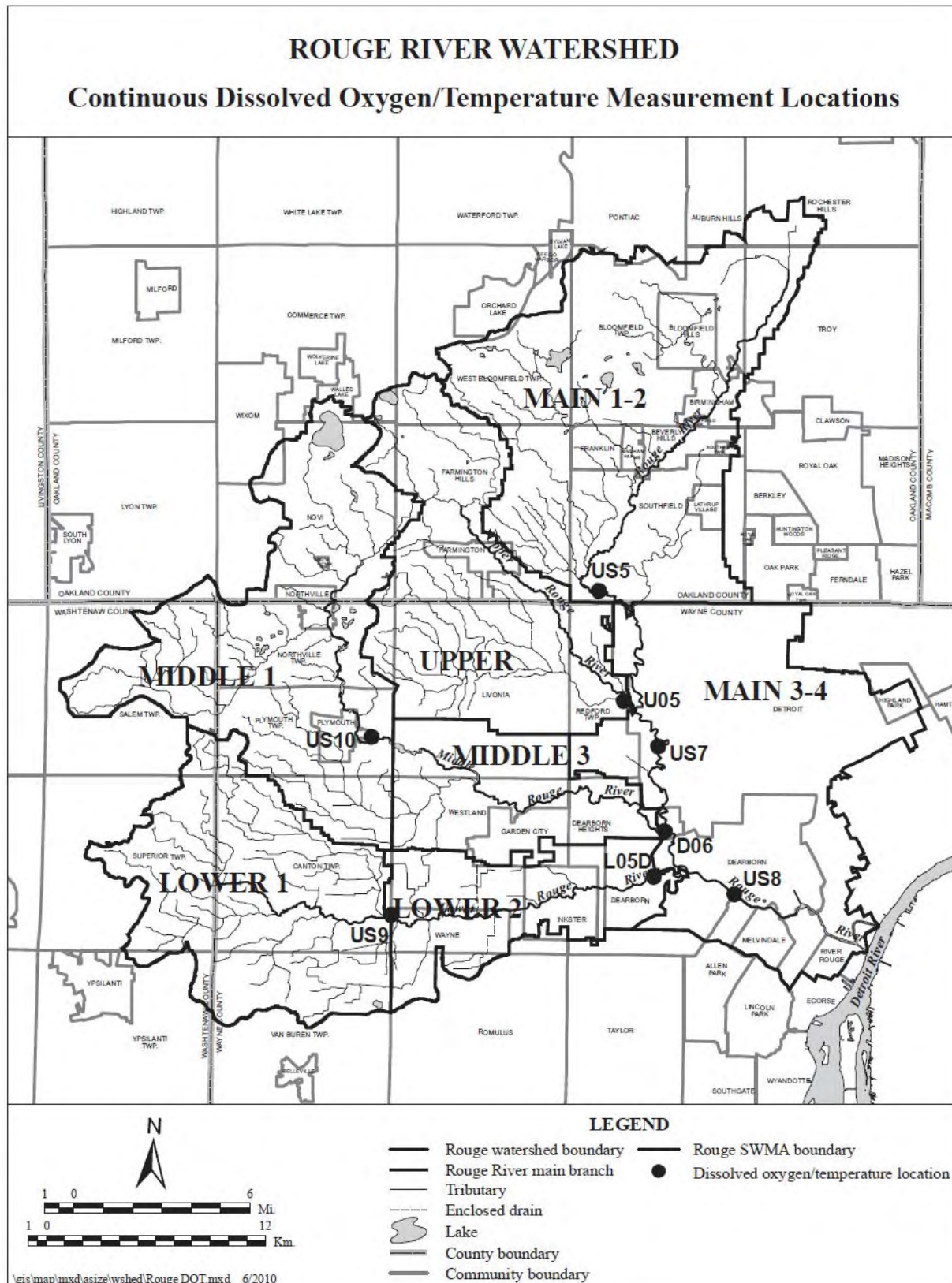
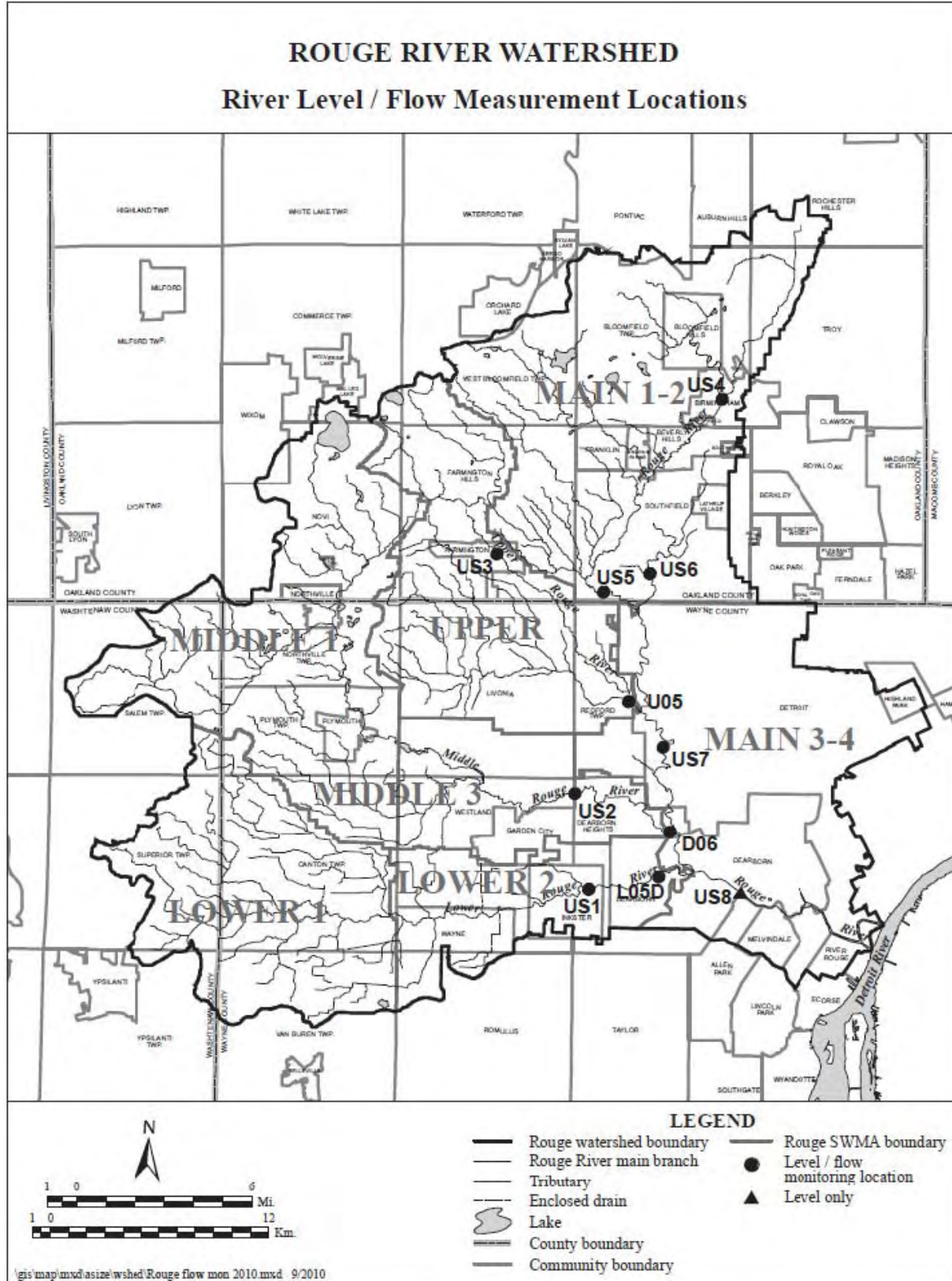


Figure 2. Stream Flow Monitoring Stations





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**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2012 Budget Recommendation
Technical Committee
Storm Water Reporting System**

REQUEST DATE: September 12, 2011

LINE ITEM TC2: Storm Water Reporting System: Operation and Maintenance

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: With the introduction of the new and rigorous permit requirements, there has been a consensus that supports a single permit under which all ARC members can collaborate and share services. In the 2010 and 2011 ARC work plans, a web-based Rouge River Storm Water Reporting System (Reporting System) for permit activities was developed for use by all ARC members. The Reporting System offers ARC members a stream-lined, easy web-based mechanism for Phase II permit reporting to the Michigan Department of Environmental Quality (MDEQ).

The Reporting System is primarily based on the watershed-wide Storm Water Pollution Prevention Initiative (SWPPI) which was developed in 2009. The watershed-wide SWPPI was developed based on select member's SWPPIs and guided by the Executive Director's (ED) interpretation of the minimum reporting requirements required for the 2003 permit.

In 2012, the Reporting System will allow for individual member, county-wide and watershed-wide storm water reports. The initial focus of the system will be the individual member reports until a watershed-wide report is acceptable to the MDEQ.

Currently the Reporting System is being transferred from the developer's server to the ARC's server and minor modifications are being made to the activities assigned to each community based on feedback from the members. In addition, a training session is planned for Fall 2011. By the end of 2011, the Reporting System will be ready for individual member, county-wide and watershed-wide storm water reporting.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The main purpose of this initiative is to assist ARC members in the permit required storm water reporting by focusing on efforts that can be completed on a watershed-wide basis, thereby reducing workload and costs to individual ARC members. This will be accomplished by operating and maintaining the Reporting System developed in 2010 and 2011.

This effort will include the following:

- a. Oversight and assistance to ARC members on system use, as requested;
- b. Maintenance of the reporting system including code refining, modifications to web interface and minor content modifications as found to be necessary;
- c. Administration of the reporting system including setting up user names, passwords, and troubleshooting any problems; and
- d. Creation of a watershed-wide report for the purposes of working out any issues with this feature, and troubleshoot any issues that arise.

Individual ARC members will be relied upon to 1) input their community's information into the Reporting System, 2) printing their community's report from the Reporting System to create an individual report, and 3) adding a cover letter and submitting their report to MDEQ.

RATIONALE (including why needed): These activities are needed to ease the MS4 reporting burden on community staff and to lay the ground work for a watershed-wide report.

BUDGET (including how the amount requested was established): The estimated total budget for this initiative is \$21,800.00 and is detailed in the table below.

Task	Responsible Party	Estimate	Rational
a. Oversight and system use assistance to ARC members	ED	\$4,000	30 hrs
b. Maintenance of the system	ED	\$12,000	96 hrs \$2,400 for server space rental
c. Administration	ED	\$2,200	24 hrs
d. Create and troubleshoot a watershed-wide report	ED	\$3,600	40 hrs
Total:		\$21,800.00	

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: ED staff will implement these activities. The Chair of the Technical Committee (currently, Mr. Gary Zorza, Vice-Chair) will oversee the task on behalf of the Technical Committee.



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**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2012 Budget Recommendation
Technical Committee
IDEP**

REQUEST DATE: September 12, 2011

LINE ITEM TC3: IDEP Investigations and Training

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: There is evidence of contamination from sewage throughout the Rouge River during both wet and dry weather conditions based on the State of Michigan's 2007 Total Maximum Daily Load (TMDL) report for *E. coli*. As such, the draft 2008 Rouge River Watershed Management Plan (RRWMP) identifies *E. coli* as a priority pollutant, along with sediment, nutrients and hydrology as requiring reduction. In 2008, Executive Director (ED) staff identified several areas as highest priority for further illicit discharge investigations. These areas were selected based on the presence of elevated *E. coli* concentrations and human *E. coli* biomarkers in dry weather conditions (See Table 1).

In 2010 and 2011, some progress was made in further defining the sources in these problem areas, but more effort is required.

Table 1. High Priority Areas needing further IDEP Investigations

Location	Community
U01-Upper Branch u/s of Powers Rd.	Farmington Hills (mostly), Farmington, West Bloomfield Twp*, Walled Lake
U15-Bell Branch u/s of 6 Mile Rd.	Livonia, Farmington Hills
D62-Tonquish Creek u/s of Joy Rd.	Plymouth, Plymouth Twp
G97-Lower Branch u/s of Henry Ruff Rd.	Wayne, Westland, Romulus and all of the Lower 1 communities
G39-Franklin Branch u/s of Middlebelt Rd.	West Bloomfield*
G61-Pebble Creek u/s of Franklin Rd.	Southfield, Franklin

*Not an ARC member, so no ARC funding will be expended in this community.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The two tasks addressed under this initiative are A) illicit discharge elimination field investigations and B) IDEP training. Each task is described below.

Task A. IDEP Field Investigations

Conduct concentrated field investigations in priority areas to further isolate problem areas, identify illicit connections, and take corrective action to remove them. This work would be overseen and coordinated by ED staff to ensure field efforts in each county are occurring in a manner that is most beneficial to the

ARC. The field work will be undertaken by Wayne and Oakland County's IDEP staff with cooperation of the local communities. The field work will involve a combination of sampling, dye testing, smoke testing and CCTV inspections, as necessary.

Prior to Oakland and Wayne counties expending budget for this task, they will each present a scope of work and budget for review by the Technical Committee and approval by the ED. Two inter-agency agreements (one for each county) will be drafted by the ED staff for approval by each county and the ED. Agreements and funding needed between participating entities will be identified in the scope of work.

ED staff will occasionally solicit progress reports from both counties for reporting to the Technical Committee. The ED will also provide an update at a full ARC meeting, as deemed appropriate.
Responsibility: ED (oversight), Wayne & Oakland counties (implementation)

Task B. IDEP Training

Conduct IDEP training workshop for ARC members. Wayne County and ED staff will hold one IDEP training for the ARC. The workshop will fulfill the IDEP training requirements for the Phase II permit. The task will include workshop setup, preparation and meeting room coordination carried out by WC. Instruction will be provided by WC and ED staff. Non-ARC members may be able to attend for a fee.
Responsibility: Wayne County and ED

RATIONALE (including why needed): We anticipate that the new Phase II permit will allow for collaborative approaches. This watershed-wide approach to IDEP implementation is proposed in lieu of completing the more prescriptive IDEP requirements.

BUDGET (including how the amount requested was established): The estimated total budget for this initiative is \$87,500 and summarized in the table below.

Task	Responsible Party	Estimate	Rational
A. IDEP Field Investigations	ED, WC and OC	\$82,500	OC: \$40,000 WC: \$40,000 ED: \$2,500, 25 hrs for IAA preparation, scope of work review, oversight, technical input and reporting to ARC
B. IDEP Training	WC, ED	\$5,000	WC: \$4,000 for training instruction, workshop set up, preparation and coordination ED: \$1,000, 8 hours for training instruction
Total:		\$87,500.00	

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The responsible parties are outlined in the table above. The Chair of the Technical Committee (currently, Mr. Gary Zorza, Vice-Chair) will oversee the task on behalf of the Technical Committee.



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**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2012 Budget Recommendation
Technical Committee
Compliance Initiatives**

REQUEST DATE: September 12, 2011

LINE ITEM TC4: Compliance Initiatives

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: In 2011, the ARC was able to provide technical support and guidance for a SEMCOG-led municipal staff training initiative that resulted in a no-cost workshop for ARC members. This workshop (held at 3 convenient locations for members) was well attended and received positive reviews. A follow-up workshop is tentatively planned for 2012 to address municipal waste disposal requirements. This topic was selected based on feedback from the workshops.

In 2011, the ARC also participated in the MDEQ MS4 Stakeholder meetings and provided the membership updates on the permit lawsuit. Presently, the MDEQ is discussing issuing Individual Permits (in lieu of General Permits) on a rotating basis and the first permits are expected by the end of 2012. The Rouge watershed is expected to be included in this first round of permits.

With the withdrawal of the 2008 permit, no effort was spent on further development of the Collaborative Action Plan which was meant to serve as the "Collaborative SWPPI" identified in the ARC's Alternative Permit or as the Alternative Approach for the TMDL/PEP/IDEP/SWPPI sections of the 2008 watershed-based permit.

In addition, no effort was spent on supporting members during MDEQ storm water program compliance audits, as few member audits were conducted in 2011. With the return of the Rouge's MDEQ storm water representative, it is anticipated that Rouge audits will resume in 2012.

DESCRIPTION OF ANTICIPATED ACTIVITIES: Work associated with this request will include the following:

- A. Regional Training Initiatives. ED staff will collaborate with SEMCOG and the other lead agencies in southeast Michigan to develop a training session for municipal staff to help fulfill the anticipated training requirements for the new permit. The tentative workshop topic is Waste Handling and Disposal for Municipalities. The ED will provide a staff person to assist in developing the workshop.
- B. Storm Water Permit Development. ED staff anticipates that the MDEQ will release a permit template in 2012 and the Rouge watershed will be included in the first round of permits. Using the existing Alternative Permit as a guide, ED staff will recommend language for the new permit

once the template has been released. This includes comments on the template and development of the permit that can be adopted by the membership.

- C. Storm Water Program Audit Assistance. ED staff will assist ARC members with the MDEQ storm water program compliance audits. SEMCOG has offered to provide ARC members support during the audit process at no additional cost to the community. This could include conducting a pre-audit and attending the audit. However, ED staff may need to provide SEMCOG or the community with certain items in preparation of the audit. ED staff and SEMCOG will meet with MDEQ to identify audit items that the ARC and cooperating partners handle for all members. This information could then be provided to the MDEQ at the audit. This would streamline the audit (both for ARC members and the MDEQ) and relieve ARC members from certain responsibilities.

RATIONALE (including why needed): The Regional Training Program and Audit Assistance are needed to aid members in compliance with the MS4 permits. Each of the activities is being done to reduce the workload for individual members by approaching them on a watershed-wide basis. Negotiating permit language on a collaborative basis will result in a permit that protects water quality without an unnecessary burden to the membership.

BUDGET (including how the amount requested was established): The estimated budget for these Technical Committee initiatives is \$18,200.00 as summarized in the table below.

Task	Responsible Party	TC Budget	Rationale
A. Regional Training	ED	\$5,200	40 hrs
B. Permit Development	ED	\$10,400	80 hrs
C. Compliance Audits	ED	\$2,600	20 hrs
Total:		\$18,200.00	

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: ED staff will complete the items listed in this Budget Request. The Chair of the Technical Committee (currently, Mr. Gary Zorza, Vice-Chair) will oversee the task on behalf of the Technical Committee.



Working together, restoring the river

**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2012 Budget Recommendation
Technical Committee
Monitoring to Support *E. coli* TMDL Implementation**

REQUEST DATE: September 13, 2011

LINE ITEM TC5/CMI 1: Monitoring to Support *E. coli* TMDL Implementation

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: There is evidence of contamination from sewage throughout the Rouge River during both wet and dry weather conditions based on the State of Michigan's 2007 Total Maximum Daily Load (TMDL) report for *E. coli*. As such, the draft 2008 Rouge River Watershed Management Plan (RRWMP) identifies *E. coli* as a priority pollutant, along with sediment, nutrients and hydrology as requiring reduction. In 2008, Executive Director (ED) staff identified several areas as highest priority for further illicit discharge investigations. These areas were selected based on the presence of elevated *E. coli* concentrations and human *E. coli* biomarkers in dry weather conditions (See Table 1).

The Wayne County Department of Public Services (WC) is actively working on conducting dye testing at municipal facilities in the high priority areas. In addition, the Oakland County Water Resource Commissioners Office (OC) is activity pursuing illicit discharge investigations in southeast Farmington Hills. To further these efforts, a Clean Michigan Initiative (CMI) grant was awarded on September 1, 2011 from the MDEQ to the ARC to conduct investigational sampling at select target areas in Oakland County.

The primary target area for this project is Pebble Creek within the City of Southfield and the Village of Franklin. The secondary target area is the Upper Branch SWMA and its tributaries including the Seeley Ditch and Minnow Pond Drain, which cross the cities of Farmington, Farmington Hills and Walled Lake, and West Bloomfield Township. The secondary target area will be investigated only if grant funding allows. Funding will be expended in ARC member communities only.

The monitoring data collected under this grant will be used to direct illicit discharge identification and elimination efforts in the target areas. As illicit discharge source areas are narrowed down within the waters of the state, storm drain outlets will be sampled to further source identification efforts. As particular problem drains are identified, they will be referred to the local community for source identification and elimination.

Table 1. High Priority Areas needing further IDEP Investigations (project target areas are highlighted in bold outline)

Location	Community
U01-Upper Branch u/s of Powers Rd.	Farmington Hills (mostly), Farmington, West Bloomfield Twp*, Walled Lake
U15-Bell Branch u/s of 6 Mile Rd.	Livonia, Farmington Hills
D62-Tonquish Creek u/s of Joy Rd.	Plymouth, Plymouth Twp
G97-Lower Branch u/s of Henry Ruff Rd.	Wayne, Westland, Romulus and all of the Lower 1 communities
G39-Franklin Branch u/s of Middlebelt Rd.	West Bloomfield*
G61-Pebble Creek u/s of Franklin Rd.	Southfield, Franklin

*Not an ARC member, so no funding will be expended in this community.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The goal of this project is to locate the sources of *E. coli* of human origin. This will be accomplished by

- 1) Conducting investigative water quality sampling at strategic locations within the target areas during dry weather conditions to screen for the presence of sanitary sewage; and
- 2) Adjusting sampling locations, as necessary, to narrow down source areas to find illicit discharge sources.

The scope of work is divided in the four tasks:

1. Quality assurance project plan (QAPP) development,
2. Sampling collection for *E. coli* and human DNA biomarkers,
3. Final report preparation, and
4. Grant administration.

Additional detail on the scope of work is provided in Attachment A.

RATIONALE (including why needed): This project, along with various other water quality restoration efforts conducted in the watershed, will help restore recreational uses in the Rouge River watershed. This work is needed to improve water quality conditions in the Rouge River and its tributaries and to help fulfill the IDEP commitments of the storm water permit.

BUDGET (including how the amount requested was established): The estimated total budget for this initiative is \$49,895.00 as shown in Tables 2, 3 and 4. This effort is 75% grant funded. This budget request only applies to the \$12,474.00 needed in match funding for 2012 as highlighted in Table 4. This match funding will be split 50/50 between ARC dues and federal grant.

Table 2. Total Project Budget by Task

Task	Responsible Party	Estimate	Rationale
A. Project Planning	ED	\$4,722	48 hrs
B. Sample Collection and Analysis	ED	\$38,170	260 hrs \$1,100 in equipment and supplies \$16,000 in analytical
C. Final Report and Recommendations	ED	\$4,772	49 hrs
D. Project Administration	ED	\$2,231	18 hrs
Total:		\$49,895.00	

Table 3. Total Project Budget by Funding Source

Task	CMI Grant Funding	Match Funding	Total Funding
A. Project Planning	\$4,722		\$4,722
B. Sample Collection and Analysis	\$25,696	\$12,474	\$38,170
C. Final Report and Recommendations	\$4,772		\$4,772
D. Project Administration	\$2,231		\$2,231
Total:	\$37,421.00	\$12,474.00	\$49,895.00

Table 4. Total Project Budget by Funding Year (budget applicable to this request is highlighted in bold outline)

Task	2011 (CMI)	2012 (CMI)	2012 (Match)	2013 (CMI)	Total Funding
A. Project Planning	\$4,722				\$4,722
B. Sample Collection and Analysis		\$25,696	\$12,474		\$38,170
C. Final Report and Recommendations				\$4,772	\$4,772
D. Project Administration	\$320	\$1,211		\$700	\$2,231
Total:	\$5,042.00	\$26,907.00	\$12,474.00	\$5,472.00	\$49,895.00

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The responsible parties are outlined in Table 2. The Chair of the Technical Committee (currently, Mr. Gary Zorza, Vice-Chair) will oversee the task on behalf of the Technical Committee.

Attachment A: Scope of Work

Monitoring to Support *E. coli* TMDL Implementation

Task A. Project Planning

Executive Director (ED) staff will meet with the communities in the target areas to discuss the background data, the goals and objectives of the project and any suspected sewage sources. The initial sampling locations will also be discussed and the local community's illicit discharge elimination program (IDEP) field staff will be identified. Sampling locations will be finalized after a field visit is conducted. These locations will be incorporated into the QAPP.

A Quality Assurance Project Plan (QAPP) will be prepared by ED staff. The QAPP will be submitted to the MDEQ for review and approval. A draft will be submitted eight weeks prior to any monitoring. If modifications are required, the QAPP will be revised with MDEQ guidance and resubmitted. Water quality monitoring will not begin without a MDEQ approved QAPP.

Deliverable: QAPP

Task B – Sample Collection and Analysis

ED staff will sample 4-6 stations on Pebble Creek 5 times during dry conditions (defined as three consecutive days of no or trace amounts of rainfall). The locations will be chosen based on local knowledge, suspected sources and accessibility. At each site, one sample will be collected for *E. coli* with a split sample collected for the Human *Bacteroidetes* and *Enterococcus* biomarkers. If elevated *E. coli* is found in the sample (above 1,000 cfu/100 mL), the split sample will be analyzed for both DNA biomarkers. As human sources of *E. coli* are indicated, based on sampling results, sample locations will be moved upstream to the major storm water outfalls. These outfalls will be sampled up to 5 times to determine the presence of sewage. If a “hot” storm water outfall is identified, then in-system sampling will take place.

Previously identified IDEP staff from the local communities will then be asked to assist in the storm sewer investigations. ED field staff will proceed with sampling up the storm water system until a source area is narrowed down. This sampling may involve analysis for ammonia, surfactants and conductivity, as well as *E. coli* and the human biomarkers. Field staff will then make recommendations to the local community field staff as to how to best identify the source. Recommendations will likely include either dye testing particular homes/facilities or televising portions of storm sewer, as deemed necessary.

E. coli analysis will be performed by Paragon Laboratories of Livonia, MI and bacterial source tracking analysis will be performed by Source Molecular Corporation of Miami, FL.

If funding allows, this process will be repeated in the secondary target area, which is the Upper Branch, upstream of Powers Rd.

Task C – Final Report and Recommendations

ED staff will prepare a draft report that summarizes the efforts and findings by target area and any future recommendations. The report will include the correction status of any identified illicit connection. The ARC will submit the draft report to the local communities and the MDEQ

45 days prior to the end of the project. The ARC will incorporate any MDEQ and community comments and resubmit within thirty days of the end of the contract.

Deliverable: Final Report

Task D: Project Administration

ED staff will develop and submit quarterly status reports/reimbursement requests to the MDEQ as provided in the contract between the MDEQ and ARC. The report will include a narrative and financial section. A release of claims statement will be submitted at the end of the project.

All deliverables will be provided in electronic and hard copy format consistent with MDEQ Water Bureau guidance.

Deliverables: Quarterly status reports and a release of claims statement

Schedule

Year	2011												2012												2013					
Quarter	2			3			4			1			2			3			4			1		2						
Month	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
Task 1 - Meeting with Communities																			as needed											
Task 1 - Prepare QAPP																														
Task 1 - MDEQ Review of QAPP																														
Task 1 - Revise QAPP and Finalize																														
Task 2 - Collect & Analyze Samples																														
Task 3 - Prepare Report, Draft Version																														
Task 3 - MDEQ Review of Report																														
Task 3 - Revise Report, Final Version																														
Task 4 - MDEQ Quarterly Reports																														

ALLIANCE OF ROUGE COMMUNITIES

Conflict of Interest Policy

ARTICLE I

PURPOSE

The purpose of this Conflicts of Interest Policy (the “*Policy*”) is to protect the interests of the Alliance of Rouge Communities (the “*Corporation*”) when it is contemplating entering into a transaction or arrangement that might benefit the private interest of an officer, member of the Executive Committee or other Committee or member of the Corporation. This Policy is intended to supplement but not replace any applicable state laws governing conflicts of interest applicable to nonprofit and charitable corporations.

ARTICLE II

DEFINITIONS

1. Interested Person.

Any officer, member or member of a committee with powers delegated by the members or the Executive Committee (the “*Executive Committee*”) who has a direct or indirect financial interest, as defined below, is an interested person

2. Financial Interest.

A person has a financial interest (“*financial interest*”) if the person has, directly or indirectly, through business, investment or family:

- a. an ownership or investment interest in any entity with which the Corporation has a transaction or arrangement, or
- b. a compensation arrangement with the Corporation or with any entity or individual with which the Corporation has a transaction or arrangement, or
- c. a potential ownership or investment interest in, or compensation arrangement with, any entity or individual with which the Corporation is negotiating a transaction or arrangement.

Compensation includes direct and indirect remuneration as well as gifts or favors that are substantial in nature.

A financial interest is not necessarily a conflict of interest (“*conflict of interest*”). Under Article III, Section 2 of this Policy, a person who has a financial interest shall have a conflict of interest only if the Executive Committee or other appropriate committee decides that a conflict of interest exists.

ARTICLE III
PROCEDURES

1. Duty to Disclose.

In connection with any actual or possible conflicts of interest, an interested person must disclose the existence of his or her financial interest and all material facts to the Executive Committee and the members of committees with Executive Committee-delegated powers considering the proposed transaction or arrangement.

2. Determining Whether a Conflict of Interest Exists.

After disclosure of the financial interest and all material facts, and after any discussion with the interested person, he or she shall leave the Executive Committee or other committee meeting while the determination of whether a conflict of interest exists is discussed and voted upon. The remaining Executive Committee or other committee members shall decide if a conflict of interest exists.

3. Procedures for Addressing the Conflict of Interest.

a. An interested person may make a presentation at the Executive Committee meeting or other committee meeting, but after such presentation, he/she shall leave the meeting during the discussion of, and the vote on, the transaction or arrangement that may result in a conflict of interest.

b. If the Executive Committee or other committee determines that a conflict of interest does exist, then:

(i) The Chair shall, if appropriate, appoint a disinterested person or committee to investigate alternatives to the proposed transaction or arrangement.

(ii) After exercising due diligence, the Executive Committee or other committee shall determine whether the Corporation can obtain a more advantageous transaction or arrangement with reasonable efforts from a person or entity that would not give rise to a conflict of interest.

(iii) If a more advantageous transaction or arrangement is not reasonably attainable under circumstances that would not give rise to a conflict of interest, the Executive Committee or other committee shall determine by a majority vote whether the transaction or arrangement is in the Corporation's best interest and for its own benefit and whether the transaction is fair and reasonable to the Corporation and shall make its decision as to whether to enter into the transaction or arrangement in conformity with such determination.

4. Violations of the Policy.

- a. If the Executive Committee or other committee has reasonable cause to believe that a member, officer, member of the Executive Committee or member of another committee has failed to disclose actual or possible conflicts of interest, it shall inform such person of the basis for such belief and afford such person an opportunity to explain the alleged failure to disclose.
- b. If, after hearing the response of such person and making such further investigation as may be warranted in the circumstances, the Executive Committee or other committee determines that such person has in fact failed to disclose an actual or possible conflict of interest, it shall take appropriate disciplinary and corrective action.

ARTICLE IV

RECORDS OF PROCEEDINGS

1. The minutes of the Executive Committee and all committees with Executive Committee-delegated powers shall contain:
 - a. The names of the persons who disclosed or otherwise were found to have a financial interest in connection with an actual or possible conflict of interest, the nature of the financial interest, any action taken to determine whether a conflict of interest was present, and the Executive Committee's or other committee's decision as to whether a conflict of interest in fact existed.
 - b. The names of the persons who were present for discussions and votes relating to the transaction or arrangement, the content of the discussion, including any alternatives to the proposed transaction or arrangement, and a record of any votes taken in connection therewith.

ARTICLE V

COMPENSATION COMMITTEES

A voting member of the Executive Committee or any other committee whose jurisdiction includes compensation matters and who receives compensation, directly or indirectly, from the Corporation for services is precluded from voting on matters pertaining to that member's compensation.

ARTICLE VI

ANNUAL STATEMENTS

Each officer, member, member of the Executive Committee, and member of a committee with Executive Committee-delegated powers shall annually sign a statement which affirms that such person:

- a. has received a copy of the Policy,

- b. has read and understands the Policy,
- c. has agreed to comply with the Policy, and
- d. understands that the Corporation is a charitable organization and that in order to maintain its federal tax exemption it must engage primarily in activities which accomplish one or more of its tax-exempt purposes.

ARTICLE VII

PERIODIC REVIEWS

To ensure that the Corporation operates in a manner consistent with its charitable purposes and that it does not engage in activities that could jeopardize its status as an organization exempt from federal income tax, periodic reviews shall be conducted. The periodic reviews shall, at a minimum include the following subjects:

- a. Whether compensation arrangements and benefits are reasonable and are the result of arm's-length bargaining.
- b. Whether partnership and joint venture arrangements and arrangements with other organizations conform to written policies, are properly recorded, reflect reasonable payments for goods and services, further the Corporation's charitable purposes and do not result in inurement or impermissible private benefit.
- c. Whether agreements to provide services and agreements with other organizations further the Corporation's charitable purposes and do not result in inurement or impermissible private benefit.

ARTICLE VIII

USE OF OUTSIDE EXPERTS

In conducting the periodic reviews provided for in Article VII, the Corporation may, but need not, use outside advisors. If outside experts are used, their use shall not relieve the Executive Committee of its responsibility for ensuring that periodic reviews are conducted.

This Policy was adopted by the Alliance of Rouge Communities on the 5th day of May, 2009.

Executive Committee Member

Member Community