



Working together, restoring the river

James W. Ridgway, P.E.
Executive Director

DRAFT AGENDA EXECUTIVE COMMITTEE MEETING

Tuesday, October 6, 2009, 1:30 p.m.
Canton DPW Office Conference Room
4847 Sheldon Rd., Canton, MI 48188

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

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

<i>Alliance of Rouge Communities</i> <i>Executive Committee</i>		
Officers		
Chair	Tim Faas	Canton
Vice-Chair	Gary Mekjian	Southfield
Treasurer	Jennifer Lawson	Troy
Past Vice-Chair	Wayne Domine	Bloomfield Township
Counties		
Oakland Co. – Rep.	John McCulloch	OCWRC
Oakland Co. – Alt.	Phil Sanzica	OCWRC
Oakland Co. – Alt.	Joseph Colaianne	OCWRC
Washtenaw Co.- Rep.	Janis Bobrin	WCWRC
Washtenaw Co.- Alt.	Michelle Bononi	WCWRC
Wayne Co. - Rep.	Kelly Cave	WCDOE
Wayne Co. - Alt.		WCDOE
SWAGs		
Main 1 & 2 - Rep.	Brandy Siedlaczek	Southfield
Main 1 & 2 - Alt.	Meghan Bonfiglio	Bloomfield Township
Main 3 & 4 - Rep.	Jim Murray	Dearborn
Main 3 & 4 - Alt.	Eric Witte	Melvindale
Upper - Rep.	Tom Biasell	Farmington Hills
Upper - Alt.	Jim Zoumbaris	Livonia
Middle 1 - Rep.	Jill Rickard	Northville Township
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.	Dan Swallow	Van Buren Township
Lower 2 - Rep.	Ramzi El-Gharib	Wayne
Lower 2 - Alt.	Tom Wilson	Romulus

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|---|--------------------|
| 3. Summary of June 10, 2009, Executive Committee Meeting | Action |
| 4. Additions or Changes to Draft Agenda | |
| 5. Executive Director Report (Ridgway) | |
| a. Regional financial hardship argument to the state and federal governments and the courts - on stormwater, SSO, and CSO | Discussion |
| b. WMP Update | Information |
| c. ARC Foundation | Discussion/Action |
| 6. Standing Committee Reports (Faas) | |
| a. <u>Finance Committee</u> (Lawson, Treasurer/O'Meara) | |
| i. 2009 Budget Status Report | Information |
| ii. 2009 Budget Amendment | |
| 1. FC1 – 501(c)(3) application | Action |
| 2. OC2 – WMP Revisions | Action |
| 3. TC4 – Land Cover Inventory | Action |
| iii. 2010 Budget Requests | Information/Action |
| 1. Extension of ECT contract for 2010 | Action |
| b. <u>Organizational Committee</u> (Payne, Chair) | |
| i. Status Report | Information |
| c. <u>Grants Committee</u> (Sanzica, Chair) | Information |
| i. Status Report | |
| d. <u>PIE (Public Involvement and Education) Committee</u> (Siedlaczek, Chair) | |
| i. MiEarth funding in 2010 | Information |
| e. <u>Technical Committee</u> (Zorza, Vice Chair) | |
| i. MTRI termination/Sanborn Recommendation | Information |
| ii. Payments made by fringe communities for Land Cover Inventory | Discussion |
| 7. Report from WCDOE (Cave) | |
| a. Status Report | Information |
| 8. Report from SWAGS | |
| a. Status Report | Information |
| 9. Summary of Executive Committee Actions (O'Meara) | |
| 10. Upcoming Meeting(s) | |
| • PIE Committee Meeting, October 15, 1:30 p.m. at the U of M-D Environmental Interpretive Center | |
| • Full ARC Meeting, October 21, 2009, 1:30 p.m., Location TBD | |
| 11. Adjourn | |



James W. Ridgway, P.E.
Executive Director

EXECUTIVE COMMITTEE MEETING SUMMARY

Wednesday, June 10, 2009, 11:00 a.m.
Canton Township

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

1. Welcome – Tim Faas, 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	Tim Faas	Canton	Y
Vice-Chair	Gary Mekjian	Southfield	N
Treasurer	Jennifer Lawson	Troy	Y
Past Vice-Chair	Wayne Domine	Bloomfield Township	Y
Counties			
Oakland Co. – Rep.	John McCulloch	OCWRC	N
Oakland Co. – Alt.	Phil Sanzica	OCWRC	N
Oakland Co. – Alt.	Joseph Colaianne	OCWRC	Y
Washtenaw Co. - Rep.	Janis Bobrin	WCDC	N
Washtenaw Co. - Alt.	Michelle Bononi	WCDC	Y
Wayne Co. - Rep.		WCDOE	
Wayne Co. - Alt.	Kelly Cave	WCDOE	Y
SWAGs			
Main 1 & 2 - Rep.	Brandy Siedlaczek	Southfield	N
Main 1 & 2 - Alt.	Meghan Bonfiglio	Bloomfield Township	N
Main 3 & 4 - Rep.	Jim Murray	Dearborn	Y
Main 3 & 4 - Alt.	Eric Witte	Melvindale	N
Upper - Rep.	Tom Biasell	Farmington Hills	Y
Upper - Alt.	Jim Zoumbaris	Livonia	Y
Middle 1 - Rep.	Jill Rickard	Northville Township	N
Middle 1 - Alt.	Aaron Staup	Novi	N
Middle 3 - Rep.	Jack Barnes	Garden City	N
Middle 3 - Alt.	Kevin Buford	Westland	Y
Lower 1 - Rep.	Bob Belair	Canton Township	Y
Lower 1 - Alt.	Dan Swallow	Van Buren Township	Y
Lower 2 - Rep.	Ramzi El-Gharib	Wayne	N
Lower 2 - Alt.	Tom Wilson	Romulus	N

Others Present: Gary Zorza, Vice-Chair – Technical Committee; Mike Buiten, Wayne; Kevin Maillard, Livonia; Kurt Heise; Zachare Ball, ECT Staff and Chris O’Meara, ECT Staff

3. Summary of April 22, 2009 Executive Committee Meeting

A motion was made by Kevin Buford to accept the April 22, 2009 meeting summary. The motion was seconded by Bob Belair. Motion passed.

4. Additions or Changes to Draft Agenda

Michelle Bononi requested that the agenda item “outside agency requests for funding” be added under 6.b.

5. Executive Director Report

a. Regional financial hardship argument to the state and federal governments and the courts – on storm water, SSO and CSO

There was a discussion regarding the possibility of communities requesting regional financial hardship to the government considering the current economic state. The communities have limited budgets and this would limit the costs associated with storm water. Some cities have met the hardship exemption for their CSO/SSO requirement and the government has granted exemptions and a time extension on their projects.

There was discussion regarding the likelihood that MDEQ would grant the Rouge communities leniency on their storm water requirements. The communities will not have funding for storm water activities that they have right now in the future. The ARC needs to develop a strategy to go to Lansing with its concerns.

Joe Colaianne discussed challenging the mandate under the Headlee amendment. Specifically, he cautioned against accepting new requirements as communities MAY be foregoing their rights under Headlee, citing No Child Left Behind legislation as an example. The ARC could possibly prepare an injunction against the state to stop the Phase II activities. There would be a freeze on regulatory storm water, SSO and CSO regulations. The communities could comply with the EPA standards yet not be required to fulfill the current permit requirements. M. Bononi stated that Washtenaw County is not part of the contested case. She asked how the MDEQ requirements compared to other states noting that it is nothing like what we are required to do. She asked, why local communities are being asked to do more. She suggested that the ARC look at what ARC members do at a minimum and what critical needs should be met right away. . Kevin Buford asked if Washtenaw County has been contacted about the enforcement and the need for testing. M. Bononi stated that they haven’t heard anything yet and that they are not currently meeting the TMDL requirements.

Jim Murray stated that Judge Feikens can’t set standards. We have to deal with this issue politically. He said the Conference of Western Wayne and the Downriver Community Conference are aware of the issue.

Wayne Domine stated that the Finance and Organizational committees need to look at what we should do as an organization. He stated that it is not worth gathering data to analyze – we’re still going to lose 20% of the workforce. We need to focus on getting storm water on the political agenda of our communities. M. Bononi stated that she would hate to see the ARC do nothing and that we should set up a brainstorming session. J. Murray stated that the MDEQ should be responsible for telling local communities how they should comply in these critical times. The economy makes it very difficult for the communities to comply. K. Buford stated that we have nothing to lose by letting MDEQ know that we are fighting. He also stated that we need to let the public know we are fighting. Jim Ridgway suggested that we coordinate a political strategy. He suggested that the Organizational Committee talk about and develop a

political strategy including who to call, develop a public argument and have an attorney investigate our rights and responsibilities under the Headlee argument.

Kelly Cave stated that she will contact Charlie Dunn about giving the ARC an update on the contested case.

Tom Biasell stressed the importance of letting the public know that the ARC's focus is to be an advocate for clean water, and that we won't lose that focus because it is too expensive.

Tim Faas requested that the Organizational Committee develop a strategy for the regional financial hardship argument and get input to J. Ridgway. He stressed that this meeting should occur soon and that the scope needs to be kept simple – what we hope to do, what we want to do and how we are going to do it.

b. WMP Comments

The ARC Executive Director received MDEQ's comments on the WMP on May 15, 2009. In general, MDEQ is asking that communities prioritize areas in the watershed for restoration and explain what actions will be taken to restore those areas of the Rouge River Watershed. ARC staff will be working with ARC members through the SWAGs to revise the WMP over the next few months. The WMP will be revised throughout 2009, reviewed by ARC members and sent to MDEQ in January 2010.

c. 2008 Executive Director Annual Report

J. Ridgway stated that a copy of the 2008 Executive Director Annual Report was distributed to the Executive Committee.

6. Standing Committee Reports

a. Finance Committee

i. 2009 budget Status Report

Chris O'Meara reviewed the Quickbooks budget status report, accounts payable, accounts receivable and the member communities balance detail and the checkbook information with the committee. C. O'Meara said committee members should let her know if they would like to see other budget detail. C. O'Meara stated that the second round of dues invoices were sent out.

ii. 2010 Budget Preparation Schedule

Jennifer Lawson reviewed the 2010 Budget Preparation Schedule that will be sent out to ECT and the committee chairs. J. Lawson also stated that there will be no increase in member dues in 2010.

iii. Budget Amendments

J. Lawson presented the budget amendment OC Amendment 1 allocating \$11,750 from the ARC Unallocated Budget to a new budget item OC5 – 501(c)(3) Application. J. Colaianne questioned why the ARC is applying for 501(c)(3) status. He asked that the Executive Committee look into the ARC setting up a separate organization, possibly an ARC Foundation, that would carry the 501(c)(3) designation and the ARC itself would stay as a governmental agency. T. Faas asked Chris O'Meara to set up a meeting with the lawyer, accountant, officers and J. Colaianne to discuss the issue prior to submitting our 501(c)(3) application. The motion was made by J. Murray to approve the budget amendment allocating \$11,750 from the ARC unallocated budget to a new budget item OC5 – 501(c)(3) Application. The motion was seconded by J. Colaianne. Motion passed.

J. Lawson presented the budget amendment TC Amendment 3 reallocating budget from TC2 (ARC Collaborative IDEP and E. Coli TMDL Plan) to PIE 1 (Green Infrastructure Campaign). The motion was made by M. Bononi to approve the budget amendment reallocating budget from TC2 to PIE1. The motion was seconded by J. Colaianne. Motion passed.

b. Organizational Committee

M. Bononi stated that the ARC needs to develop some type of procedure for outside agencies requesting funds such as the partnership with MiEarth and Friends of the Rouge. The committee members agreed and the motion was made by M. Bononi to have the Organizational Committee develop a procedure when outside agencies request funding from the ARC. The motion was seconded by K. Buford, motion passed. J. Lawson asked that she be involved in the development of the procedure.

c. PIE (Public Involvement and Education) Committee

Nothing to report.

d. Technical Committee

G. Zorza stated that the land cover contract with Michigan Tech Research Institute is ready to be signed and will be forwarded to T. Faas for signature.

7. Report from WCDOE

K. Cave informed the committee that Wayne County's 2008 Annual Report has been prepared and will be available on the ARC website.

8. Report from SWAGS

There was nothing to report.

9. Summary of Executive Committee Actions

- The Committee approved the 4/22/09 Executive Committee Meeting Summary.
- The 2010 Budget Preparation Schedule was distributed.
- The Committee voted to approve OC Amendment 1 and recommend it to the Full ARC.
- The Committee voted to approve TC Amendment 3 and recommend it to the Full ARC.
- The Committee voted to have the Organizational Committee develop a procedure regarding outside agency funding requests.
- The Committee voted to have the Organizational Committee develop a strategy for the regional financial hardship argument.
- K. Cave to request a status update of the contested case from C. Dunn.

10. Upcoming Meeting(s)

- Finance Committee Meeting, July 8, 2:00 p.m. at TBD, possibly Bloomfield Twp.
- PIE Committee Meeting, July 9, 2009, noon, Beverly Hills (Howard Knorr's house)
- The Middle 1/Lower 1 SWAG is Tuesday, August 4, 2009 at 9:30 A.M. at Northville Township Training Room
- Middle 3/Lower 2 and Main 3-4 SWAG is at 1:30 p.m., Tuesday, August 18, 2009, Livonia DPW
- Main 1-2/Upper SWAG is at 1:30 pm., Wednesday, August 12, 2009 Location TBD

11. Adjourn

The motion to adjourn the meeting was made by J. Murray. The motion was seconded by J. Zoumbaris. Motion passed.

**Alliance of Rouge Communities
2009 Approved Budget**

Cash Basis

	Jan 1 - Sep 24, 09	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
47200 - Program Income				
47230 - 2008 Roll over ARC Member Dues	103,250.00	103,250.00	0.00	100.0%
47240 - Program Service Fees	2,495.15	2,495.15	0.00	100.0%
47250 - 2009 ARC Membership Dues	232,061.00	296,694.00	-64,633.00	78.2%
Total 47200 - Program Income	337,806.15	402,439.15	-64,633.00	83.9%
48000 - Grants				
48200 - 2009 Other Grants	0.00	58,500.00	-58,500.00	0.0%
48300 - 2009 RRWWDP Grant	45,879.78	292,846.00	-246,966.22	15.7%
Total 48000 - Grants	45,879.78	351,346.00	-305,466.22	13.1%
Total Income	383,685.93	753,785.15	-370,099.22	50.9%
Expense				
60400 - 2009 Awards and Grants				
60410 - Organizational Committee				
60411 - OC1-Executive Director Services				
60404 - 09-0010 Expenses	179.22	999.00	-819.78	17.9%
60405 - 09-0008 Expenses	358.88	2,000.00	-1,641.12	17.9%
60406 - Annual Report	1,646.49	1,686.00	-39.51	97.7%
60407 - ARC Marketing & Comm. Strategy	4,509.78	5,077.00	-567.22	88.8%
60408 - Contractor Management	11,762.07	11,762.00	0.07	100.0%
60409 - Finance Committee	3,923.92	4,789.00	-865.08	81.9%
60413 - Executive Committee	9,536.25	11,198.00	-1,661.75	85.2%
60414 - Organizational Committee	990.13	5,617.00	-4,626.87	17.6%
60415 - Full Alliance Meetings	2,749.13	7,093.00	-4,343.87	38.8%
60416 - SWAGs	7,508.76	21,582.00	-14,073.24	34.8%
60417 - Materials Dist. & FOIA OMA	6,866.91	9,722.00	-2,855.09	70.6%
60418 - Advocacy & Liaison	22,298.62	38,481.00	-16,182.38	57.9%
60419 - Quick Books & Finance	6,786.65	7,777.00	-990.35	87.3%
60428 - 09-0007 PIE Expenses	36.95	500.00	-463.05	7.4%
60429 - PIE Meetings and Budget Prep	10,025.87	16,653.00	-6,627.13	60.2%
60437 - 09-0009 Technical Com. Expenses	258.42	500.00	-241.58	51.7%
60438 - Tech. Mtgs. & Budget Prep.	9,934.84	20,703.00	-10,768.16	48.0%
Total 60411 - OC1-Executive Director Services	99,372.89	166,139.00	-66,766.11	59.8%
Total 60410 - Organizational Committee	99,372.89	166,139.00	-66,766.11	59.8%
60420 - Public Involv. & Education Com.				
60412 - PIE8-FOTR Support	0.00	22,453.00	-22,453.00	0.0%
60421 - PIE1-Green Infrast. Campaign	52,077.45	84,100.00	-32,022.55	61.9%
60422 - PIE2-Detn. Pond Main. Man. Upd.	7,357.78	7,500.00	-142.22	98.1%
60423 - PIE3-Pub. Ed. Materials				
60439 - PIE8-MiEarth Support	12,500.00	12,500.00	0.00	100.0%
60423 - PIE3-Pub. Ed. Materials - Other	10,294.54	10,500.00	-205.46	98.0%
Total 60423 - PIE3-Pub. Ed. Materials	22,794.54	23,000.00	-205.46	99.1%
60424 - PIE4-Collaborative PEP	693.80	1,000.00	-306.20	69.4%
60425 - PIE5-Website Maintenance	3,568.42	6,000.00	-2,431.58	59.5%
60426 - PIE6-Rouge 2009	138.78	7,800.00	-7,661.22	1.8%
60427 - PIE7-PIE Initiatives	0.00	9,700.00	-9,700.00	0.0%
Total 60420 - Public Involv. & Education Com.	86,630.77	161,553.00	-74,922.23	53.6%
60430 - Technical Committee				
60431 - TC1-R. R. Water. Monitor Act.	19,593.44	64,800.00	-45,206.56	30.2%
60432 - TC2-ARC Collb. IDEP/TMDL Plan	11,035.32	97,400.00	-86,364.68	11.3%
60433 - TC3-Green Inf. & Imp. Cvr. Map	3,896.07	54,000.00	-50,103.93	7.2%
60434 - TC4-Pursuing Grant Oppor.	10,493.39	18,350.00	-7,856.61	57.2%
60435 - TC5-NPDES Phase II Workgroup	1,117.54	1,118.00	-0.46	100.0%
60436 - TC6-Technical Comm. Initiatives	0.00	1,242.00	-1,242.00	0.0%
60447 - TC7-Potential Grant Project	0.00	58,500.00	-58,500.00	0.0%
60448 - TC8-Available Match	0.00	23,150.00	-23,150.00	0.0%
Total 60430 - Technical Committee	46,135.76	318,560.00	-272,424.24	14.5%
Total 60400 - 2009 Awards and Grants	232,139.42	646,252.00	-414,112.58	35.9%
60900 - Business Expenses				
60920 - Business Registration Fees	0.00	750.00	-750.00	0.0%
Total 60900 - Business Expenses	0.00	750.00	-750.00	0.0%
62100 - Contract Services				
62110 - Accounting Fees	1,410.00	1,000.00	410.00	141.0%
62140 - Legal Fees	17,378.75	18,250.00	-871.25	95.2%
Total 62100 - Contract Services	18,788.75	19,250.00	-461.25	97.6%
65100 - Other Types of Expenses				
65120 - Insurance - Liability, D and O	4,100.00	4,100.00	0.00	100.0%
Total 65100 - Other Types of Expenses	4,100.00	4,100.00	0.00	100.0%
Total Expense	255,028.17	670,352.00	-415,323.83	38.0%
Net Ordinary Income	128,657.76	83,433.15	45,224.61	154.2%
Net Income	128,657.76	83,433.15	45,224.61	154.2%

2:36 PM

09/22/09

**Alliance of Rouge Communities
A/R Aging Summary
As of September 22, 2009**

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
Beverly Hills	0.00	0.00	2,866.00	0.00	0.00	2,866.00
Dearborn	0.00	0.00	24,214.00	0.00	0.00	24,214.00
Franklin	0.00	0.00	1,453.00	0.00	0.00	1,453.00
Garden City	0.00	0.00	6,815.00	0.00	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	508.00	0.00	0.00	508.00
Rouge River National Wet Weather Dem. Pro	58,693.23	0.00	0.00	0.00	0.00	58,693.23
Southfield	0.00	0.00	18,793.00	0.00	0.00	18,793.00
Superior Township	0.00	0.00	0.00	0.00	7,359.00	7,359.00
TOTAL	<u>58,693.23</u>	<u>0.00</u>	<u>54,649.00</u>	<u>0.00</u>	<u>9,994.00</u>	<u>123,336.23</u>

**Alliance of Rouge Communities
DRAFT 2009 Budget**

Expected Revenues Available for 2009

* 2009 Dues from Communities	\$ 296,694
** 2009 Rouge Project Grant	\$ 292,846
Future other Grants (Estimated)	\$ 58,500
Charges for Land Cover Service Fee (19)	\$ 2,495
Rollover Dues from 2008 Budget	\$ 103,250
	\$ 753,785

Proposed 2009 Budget Items	Committee Proposal	Funding Source			"Provider" using Budget (6)
		ARC Dues	Rouge Grant	Other Source	
Organization Committee					
(20)OC1 Executive Director Services	\$ 174,273	\$ 87,137	\$ 87,137		Exe.Dir. Serv.
(1) OC2.a ARC Insurance	\$ 4,100	\$ 4,100	\$ -		outside purchase
(4) OC2.b Fiduciary Services	\$ -	\$ -	\$ -		
(5) OC4 ARC Advocacy and Administration	\$ -	\$ -	\$ -		
(12)(22)OC5 501(c)(3) Application	\$ 20,000	\$ 20,000	\$ -		outside purchase
Organization Committee Total	\$ 198,373	\$ 111,237	\$ 87,137	\$ -	
Public Education and Involvement Committee					
(13)PIE1 Green Infrastructure Campaign	\$ 84,100	\$ 42,050	\$ 42,050		Exe.Dir. Serv./Wayne County
PIE2 Detention Pond Maintenance Manual Update	\$ 7,500	\$ 3,750	\$ 3,750		Exe.Dir. Serv.
(7)(8)PIE3 Pub Ed Materials	\$ 23,000	\$ 11,500	\$ 11,500		Exe.Dir. Serv./Wayne County
(7)(20)PIE4 Collaborative PEP	\$ 1,000	\$ 500	\$ 500		Exe.Dir. Serv.
PIE5 Website Maintenance	\$ 6,000	\$ 3,000	\$ 3,000		Exe.Dir. Serv.
PIE6 Rouge 2009	\$ 7,800	\$ 3,900	\$ 3,900		Exe.Dir. Serv.
PIE7 PIE Initiatives	\$ 9,700	\$ 4,850	\$ 4,850		Not Defined
(11)PIE8 Friends of the Rouge	\$ 22,453	\$ 11,227	\$ 11,227		Friends of the Rouge
PIE Committee Total	\$ 161,553	\$ 80,777	\$ 80,777	\$ -	
Technical Committee					
TC1 Rouge River Watershed Monitoring Activities	\$ 64,800	\$ 32,400	\$ 32,400		Friends of the Rouge- RPO
(14)TC2 ARC Collaborative IDEP and E. coli TMDL Plan	\$ 97,400	\$ 48,700	\$ 48,700		Exe. Dir. Serv./Wayne County
(9)(15)TC3 Green Infrastructure and Impervious Cover Mapping	\$ 54,000	\$ 27,000	\$ 27,000		Sanborn/Exe. Dir. Serv.
(2)(10)TC4 Pursuing Grant Opportunities	\$ 18,350	\$ 18,350	\$ -		Exe. Dir. Serv. (NOAA&CMI)
TC5 NPDES Phase II Workgroup	\$ 1,118	\$ 559	\$ 559		Exe.Dir. Serv.
(21) TC6 Technical Committee Initiatives	\$ 1,242	\$ 621	\$ 621		Not Defined
(16)TC7 Potential Grant Project	\$ 58,500	\$ -	\$ -	\$ 58,500	Not Defined
(16)TC8 Available Match	\$ 23,150	\$ 23,150	\$ -		\$12,500 allocated for CMI
Technical Committee Total	\$ 318,560	\$ 150,780	\$ 109,280	\$ 58,500	
Total Amount Requested by All Committees	\$ 678,486	\$ 342,793	\$ 277,193	\$ 58,500	
Available Unallocated Budget	\$ 75,299	\$ 59,646	(18)\$15,653		

Notes

- (1) Not a Rouge grant eligible item; funded 100% from ARC dues, actual amount was \$4,100 instead of original budget of \$4,500
(2) Eligibility of using Rouge Grant funds to prepare applications to other funding sources needs to be investigated
Grant Writing is currently budgeted 50/50 (ARC/Rouge Grant), while the project is Budgeted 35/65 (ARC/New grant).
this request anticipate \$58,500 grant, \$31,500 Match and \$10,000 grant pursuing effort.
(3) Not used
(4) Executive Director through Task OC1 will be providing this service in 2009 instead of Wayne County.
(5) Task OC4 was included in Task OC1 in the 2009 budget.
(6) Officers & Committee Members provide assistance to implement most of the ARC tasks. Cost for this assistance is not included in ARC Budget.
* Based on 2008 dues amounts
** Amount may be less if some of the costs associated with pursuing other funding sources is determined to be ineligible

2009 Budget Amendments Approved on 5/5/09

- (7) PIE Amendment 1 - reallocating \$10,500 of PIE3 budget and \$2,000 of PIE4 totalling \$12,500 to fund MiEarth activities
(8) PIE Amendment 2 - reallocating \$1,500 of the \$2,000 budgeted under PIE3 to PIE1 for Wayne County which brings Wayne County's allocation to \$3,500 for PIE1
(9) TC Amendment 1 - reallocating \$4,150 from unused budget within TC3 to include Exec. Dir. Contract oversight
(10) TC Amendment 2 - reallocating \$8,350 from unused budget within TC4 to fund 2-4 additional grant applications in 2009
(11) PIE Amendment 3 - allocating \$22,436 of the ARC's unallocated budget for FOTR activities under PIE 8

2009 Budget Amendments Approved on 6/10/09

- (12) OC Amendment 1 - allocating \$11,750 for new budget item OC5 from unallocated ARC dues to cover costs associated with 501(c)(3) application for lawyer, accountant and application fees
(13) BUDGET CORRECTION - \$5,000 moved from PIE1 "Other Source" back into PIE1 budget at 50/50 (ARC/Rouge Grant), original budget under "Other Source" for charges for services will not occur
(14) TC Amendment 3 - reallocating \$2,600 from TC2 to PIE1 to cover additional support by Wayne County which brings Wayne County's allocation to \$6,100 for PIE1
(15) BUDGET CORRECTION - original budget adjusted for TC3 from \$85,000 to MTRI contract amount of \$34,260 + \$4,150 for Exec. Dir. Oversight + \$1,982 for fringe communities for a total of \$40,392. The remainder of \$44,608 was returned to the ARC's available unallocated budget
(16) BUDGET CORRECTION - reallocated \$58,500 from TC4 to new budget item TC7 for designated project with a budget of \$58,500 to better clarify the budget available for TC4
Moved the available match amount from TC4 to a new budget item TC8 to better clarify the available match for future grants.
(17) Not used
(18) \$15,653 remaining in Rouge Grant Funding
(19) Charges to communities for land cover outside of the Rouge River Watershed for TC3

2009 DRAFT Budget Amendments on 10/6/09

- (20) OC Amendment 2 - reallocating \$12,882 from TC5 and \$2,000 from PIE4 for WMP revisions under OC1
(21) TC Amendment 4 reallocated \$13,758 from TC6 and \$4,000 from TC5 to cover TC3
(22) FC Amendment 1 - allocating \$8,250 from the ARC unallocated budget to OC5



**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2009 BUDGET AMENDMENT REQUEST
FC AMENDMENT 1**

REQUEST DATE: September 3, 2009

LINE ITEM: Allocating \$8,250 from the ARC Unallocated Budget to OC5 (501(c)(3) Application) bringing the total for this line item to \$20,000.

COMMITTEE MAKING REQUEST: Finance Committee

BACKGROUND: The Alliance of Rouge Communities voted in September 2008 to pursue a 501(c)(3) designation with the support of an accountant and lawyer with regards to updating the ARC Bylaws and preparing the Application for Recognition of Exemption (Form 1023). The Executive Committee chose to have additional research done regarding the 501c3 vs. starting a new ARC Foundation. Costs were incurred by the lawyer and accountant during the research that was not originally budgeted.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The additional funds will be used to pay the costs incurred by the law firm Honigman Miller Schwartz and Cohn LLP, and Tina L. Cusac, CPA, to research whether the ARC should become a 501c3 or start a new ARC Foundation.

RATIONALE: The budget allocation would cover the costs incurred in researching the above activities.

BUDGET: FC Budget Amendment #1 requests that \$8,250 be allocated to OC5 (501(c)(3) Application) from the ARC Unallocated Budget. This budget item will be paid with 100% ARC dues.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Chair of the Finance Committee (Ms. Jennifer Lawson) will oversee this task on behalf of the Finance Committee. The ARC Staff will be responsible for submitting the application.



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ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE

2009 BUDGET AMENDMENT 2

REQUEST DATE: September 20, 2009

LINE ITEM: OC1 Executive Director Services/SWAGs

COMMITTEE MAKING REQUEST: Organizational Committee

BACKGROUND: In 2008, the ARC revised its watershed management plan (WMP) to update it to 319 standards. It was submitted to MDEQ for approval in January, 2009. In May, 2009, MDEQ responded with 18 pages of general comments and 319 comments/revisions necessary for a 319 approval. Based on MDEQ comments, ARC staff will have to spend substantial time to make the revisions, edit and re-format the plan.

DESCRIPTION OF ANTICIPATED ACTIVITIES: Activities include general corrections to text, including additional information and re-formatting. There will be additional work needed within the SWAGs to determine priority areas in subwatersheds.

RATIONALE: This additional scope is necessary to complete the WMP and gain MDEQ approval. Once approved, the ARC will be able to apply for annual 319 Non-Point Source grants to fund ARC activities and projects.

BUDGET: OC Budget Amendment #2. The total cost for this scope is: \$26,112. We are requesting an additional \$14,882 be added to the 2009 ARC Executive Directors Services Budget, Subtask SWAG Meetings.

Funds will be provided by unused 2009 budget in the following tasks:

Table with 2 columns: Task Name and Amount. Rows include Technical Committee (TC5, NPDES Phase II Workgroup) at \$12,882, PIE Committee (PIE4, Collaborative PEP) at \$2,000, Remaining 2009 SWAG budget at \$6,700, and Total funding for 2009 at \$21,582.

It is anticipated that the remaining scope with a budget of \$4,530 will be covered by the 2010 Executive Services contract, Subtask SWAG meetings.

An additional \$7,600 is included in the 2010 PIE Budget for editing and formatting the plan once the MDEQ revisions are made.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The ARC Executive Director Staff will be responsible for completing the task.



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ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE

2009 TC Budget Amendment 04
Land Cover Inventory

REQUEST DATE: September 21, 2009

LINE ITEM: TC3-Land Cover Inventory

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: The ARC approved funding to complete a Land Cover Inventory as part of the 2009 budget. A RFP was issued in spring 2009, eight proposals were received and ranked based on qualifications and cost, the top two bidders were interviewed and Michigan Tech Research Institute (MTRI) was contracted to complete the work. On August 27, 2009, MTRI informed the ARC that they were not capable of fulfilling their contractual obligations: they underestimated the effort required to complete the scope of work and would not seek any compensation for the work performed to date (See Attachment A). MTRI turned over a CD of approximately 100 tiles (a tile is approximately 1 square mile of area) that they had classified and a hard drive containing the re-projected aerial photographs for the watershed (a necessary step in the classification process). The ARC subsequently released MTRI from their contract (See Attachment B).

The Sanborn Map Company (Sanborn) was ranked second during the bidding process. Sanborn has successfully completed a land cover inventory for the Alliance of Downriver Watersheds and are still interested in contracting with the ARC. Furthermore, Sanborn is performing a land cover inventory for four Michigan communities under a grant with the Michigan Department of Natural Resources (DNR).

The DNR has agreed to supplement the ARC's project with \$10,000 of grant funding if we can find 2 or 3 communities that are interested in further analysis of the land cover inventory data, receiving funding to plant trees within their community (up to \$20,000 each), working with a non-profit organization, Global ReLeaf, in a public education campaign and providing match (hard and/or soft) up to 50¢ on the dollar.

DESCRIPTION OF ANTICIPATED ACTIVITIES: Sanborn will perform Level 1 classification of the land cover in the watershed consistent with the original scope of work (Attachment C). The City of Detroit and non-ARC communities will be included

in the scope. Two or three communities that are interested in participating in the DNR's grant will be identified by the ARC. These communities will be excluded from the ARC's scope of work with Sanborn and will enter into separate agreements with the DNR. The ARC's deliverables from Sanborn will include the ARC-funded areas and the DNR-funded areas.

Sanborn's 2009 scope of work will include providing classification of a 24 pilot area, response to any of the Technical Committee comments on the pilot area and delivery of the draft classified land cover for the entire watershed in GIS format. Production of the final dataset will be incorporated into the 2010 scope of work.

The Executive Director (ED) staff will provide administrative oversight for Sanborn's effort including contract preparation, invoice review and approval, identifying communities interested in planting trees and coordination with Sanborn and the DNR, as necessary.

RATIONALE (including why needed):

This budget amendment is needed to address the replacement of MTRI with Sanborn.

BUDGET (including how the amount requested was established): The total cost for this effort is \$68,124 = \$62,124 (Sanborn) + \$6,000 (ED). Sanborn's budget is based on their proposal of \$72,124 minus \$10,000 covered by the DNR grant. The ED budget is based on 60 hours of effort.

Due to the amount of time needed to complete the scope of work, the effort will be split over the 2009 and 2010 budget cycle. We assume, and Sanborn concurs, that they can complete 80% of the work in 2009. Therefore, this amendment includes \$50,000 for Sanborn and \$4,000 for the Executive Director staff for a total of \$54,000.

There is currently \$36,242 remaining in TC3. The additional budget of \$17,758 can be reallocated from TC5 and TC6. The required budget reallocations are shown below.

Budget Reallocation Detail

TC3: Land Cover Inventory (remaining budget)	\$36,242
Reallocation from TC5: NPDES Phase II Workgroup	\$4,000
Reallocation from TC6: Future Initiatives	\$13,758
Total funding for 2009	\$54,000

The remaining scope of work with a budget of \$14,124 is included in a 2010 Technical Committee budget request, TC4: Land Cover Inventory.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Chair of the Technical Committee (currently, Mr. Gary Zorza, Vice-Chair) will oversee the task on behalf of the Technical Committee. Executive Director staff will provide administrative oversight for Sanborn's effort. Wayne County will provide technical oversight.

August 27, 2009

Mr. Tim Faas
Chair
Alliance of Rouge Communities
c/o Canton Township
1150 Canton Center S.
Canton, MI 48188-1608

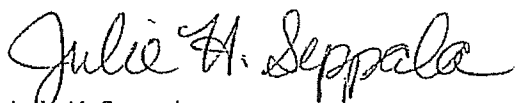
Dear Mr. Faas,

Michigan Technological University (Michigan Tech) regretfully informs you that work has been stopped on the "Professional Services Contract between Alliance of Rouge Communities (ARC) and Michigan Technological University-MTRI for Rouge Watershed Land Cover Inventory" dated June 10, 2009 and is hereby requesting an immediate termination of the contract. Michigan Tech would like to offer to ARC the completed work to date, which is 100 land cover data tiles as well as all 890 re-projected imagery tiles, at no cost to you as compensation for this action.

Michigan Tech pursued a contract with ARC based on the assumption that most of the work could be automated and processed in a batch or bulk manner. This automated activity was the basis of Michigan Tech's price quote. The initial test data provided turned out to be not representative of the rest of the data Michigan Tech was given to do the job, due in a large part to the bulk of the imagery being leaf-on. Due to the limitations of the data, the project required extensive and time-consuming hand edits of every tile again due to leaf-on imagery confusing the classification of roads, trees, sidewalks, and buildings. The radiometric quality of the imagery data was also inconsistent, and thus we were unable to perform bulk processing. Every tile had to be separately processed through the image classification software. In summary, the data quality is marginal for the work needed to be performed, thus it was not achievable for the price, schedule quoted, and precision required. In addition to these technical aspects, one of our key people for this project has left MTRI.

We apologize for any inconvenience this may cause. Please contact me for questions regarding this action.

Sincerely,



Julie H. Seppala
Director, Sponsored Programs Office

cc: Jim Ridgway, ARC Executive Director
Colin Brooks, MTRI Research Scientist
Greg Leonard, MTRI Business & Operations Director



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James W. Ridgway, P.E.
Executive Director

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

September 11, 2009

Julie H. Seppala
 Michigan Technological University
 308 Administration Building
 1400 Townsend Drive
 Houghton, MI 49931-1295

RE: Rouge Watershed Land Cover Inventory

Dear Julie:

In accordance with your written notice of termination of the above contract dated August 27, 2009 and consistent with Article X of the contract, the ARC hereby grants your organization's request to terminate our agreement. As such, the invoice previously sent to our Treasurer will be disregarded.

Please arrange for transmittal of the partially completed data to our Technical Committee Vice-Chair, Mr. Gary Zorza of Farmington Hills.

Sincerely,

Tim Faas, ARC Chairperson

CC: Tom Biasell, City of Farmington Hills - Director of Public Services
 Gary Zorza, ARC Technical Committee Vice-Chair
 Jennifer Lawson, ARC Treasurer
 Jim Ridgway, ARC Executive Director

Attachment C: Land Cover Inventory Scope of Services (from the draft contract with Sanborn)

The scope of services to be provided by the CONTRACTOR to the ARC is detailed below:

A. Overview

The CONTRACTOR will provide to the Alliance of Rouge Communities (ARC) a current inventory of the Rouge River Watershed land cover and a means of monitoring change with time. The CONTRACTOR will quantify the current land cover in a series of thematic categories. The CONTRACTOR will use remotely sensed imagery and semi-automated classification methods to provide an accurate means to derive this information and maintain its currency.

B. Requirements

Imagery Correction

The corrected 2008 USGS leaf-off 4-band imagery with infra-red (IR) shall be used for baseline input. The original data datum was mis-specified in the metadata and in the GeoTIF tags. The USGS vendor has confirmed that the imagery was collected, processed, and delivered in UTM, NAD83-HARN, but the metadata and GeoTIF headers show it as NAD83(86). The CONTRACTOR will either obtain corrected imagery from the USGS or the USGS vendor or they shall correct this imagery using a process they created.

Geographic Extent

Land cover classification shall be completed for the Rouge River Watershed (approximately 466 square miles) less the 2 or 3 communities that will be covered by the DNR grant. In addition, the ARC will allow border communities to buy-into this contract and have their entire jurisdictional area inventoried. The additional area, if any, will be provided to the CONTRACTOR at a later date. A contract amendment will be prepared to handle any change in the geographic extent of the project.

The ARC will forward the CONTRACTOR the final geographic extent in a shapefile. This will include the Rouge River Watershed and the additional area referenced above.

Classification Scheme

The Rouge River Watershed shall be classified into the following five level one classes as noted below:

- Level 1 – Impervious (All constructed surfaces such as building, roads, parking lots, brick asphalt, concrete.)
- Level 1 – Woody (Natural or semi-natural woody vegetation. Tree/shrub canopy accounts for 25%-100% of the cover.)
- Level 1 – Non-Woody Vegetation (Areas characterized by natural or semi-natural herbaceous vegetation; herbaceous vegetation accounts for 75%-100% of the cover.)

- Level 1 – Water (Areas of open water, generally with less than 25% cover of vegetation/land cover.)
- Level 1 - Barren (Areas characterized by bare rock, gravel, sand, silt, clay or other earthen material, with little or no vegetation present.)

Level 1 classification shall have an overall accuracy of at least 90%. Classification technique used shall be semi-automated and completed as described in the CONTRACTOR's proposal RFP-FH-08-09-1492.

Product Specification

The product will have the following specifications:

Parameter	Level 1 Land Cover
Minimum Mapping Unit for Accuracy Assessment	0.01 Acres Impervious Class 0.18 Acres Pervious Classes
Delivery Pixel Size	1-meter

Expected Revenues Available for 2010

* 2010 Dues from Communities	\$ 289,335
2010 Rouge Project Grant	\$ 313,121
Future other Grants (estimated)	\$ 45,000
Rollover Dues from 2009 Budget (estimated)	\$ 93,267
	\$ 740,723

Proposed 2010 Budget Items	Committee Proposal	Funding Source			"Provider" using Budget (3)
		ARC Dues	Rouge Grant	Other Source	
Organization Committee					
(1)OC1 Executive Director Services	\$ 159,771	\$ 79,886	\$ 79,886		Exe.Dir. Serv.
(2) OC2 ARC Insurance	\$ 4,500	\$ 4,500	\$ -		outside purchase
(2)OC3 Accounting/Lawyer Services	\$ 5,000	\$ 5,000	\$ -		outside purchase
<i>Organization Committee Total</i>	<i>\$ 169,271</i>	<i>\$ 89,386</i>	<i>\$ 79,886</i>	<i>\$ -</i>	
Public Education and Involvement Committee					
PIE1 Green Infrastructure Campaign	\$ 94,000	\$ 47,000	\$ 47,000		Exe.Dir. Serv./Wayne County
PIE2 Riparian Corridor Management Booklet	\$ 9,000	\$ 4,500	\$ 4,500		Exe.Dir. Serv.
PIE3 Pub Ed Materials	\$ 32,000	\$ 16,000	\$ 16,000		Exe.Dir. Serv./Wayne County
PIE4 ARC Website Maintenance	\$ 7,000	\$ 3,500	\$ 3,500		Exe.Dir. Serv.
PIE5 Friends of the Rouge	\$ 22,453	\$ 11,227	\$ 11,227		Friends of the Rouge
PIE6 WMP Revisions (edit/format only)	\$ 7,600	\$ 3,800	\$ 3,800		Exe.Dir. Serv.
<i>PIE Committee Total</i>	<i>\$ 172,053</i>	<i>\$ 86,027</i>	<i>\$ 86,027</i>	<i>\$ -</i>	
Technical Committee					
TC1 Rouge River Watershed Monitoring Activities	\$ 135,417	\$ 67,709	\$ 67,709		Friends of the Rouge- RPO
TC2 Collaborative Storm Water Action Plan Implementation	\$ 139,000	\$ 69,500	\$ 69,500		Exe. Dir. Serv./Wayne & Oakland Co.
(2)TC3 Pursuing Grant Opportunities	\$ 10,000	\$ 10,000	\$ -		Exe. Dir. Serv.
Potential project & Available Match	\$ 90,000	\$ 45,000	\$ -	\$ 45,000	ARC and outside grant
TC4 Land Cover Inventory	\$ 20,000	\$ 10,000	\$ 10,000		Exe. Dir. Serv./Wayne Co.
<i>Technical Committee Total</i>	<i>\$ 394,417</i>	<i>\$ 202,209</i>	<i>\$ 147,209</i>	<i>\$ 45,000</i>	
Total Amount Requested by All Committees	\$ 735,741	\$ 377,621	\$ 313,121	\$ 45,000	
Available Unallocated Budget	\$ 49,982	\$ 49,982	\$ -		

Notes

- (1) Includes fiduciary services, advocacy and administration
- (2) Not a Rouge grant eligible item; funded 100% from ARC dues
- (3) Officers and committee members provide assistance to implement most of the ARC tasks. Cost for this assistance is not included in ARC budget.
- * Based on 2009 dues amounts minus Superior Township

**DRAFT Summary of ARC 2010 Budget Requests
September 22, 2009**

Item #	Description	2010 Budget	Responsibility					Remaining to be Assigned
			Wayne County	Oakland County	FOTR	Executive Director	Other Contractor Selected	
OC1	Executive Director Services*	\$159,771				\$159,771		
OC2	ARC Insurance	\$4,500					\$4,500	
OC3	Accounting/Lawyer Services	\$5,000					\$5,000	
Total 2010 OC Committee Budget		\$169,271						
PIE1	Green Infrastructure Campaign	\$94,000	\$25,000			\$69,000		
PIE2	Riparian Corridor Management Booklet	\$9,000				\$9,000		
PIE3	Pub Ed Materials	\$32,000	\$20,000			\$12,000		
PIE4	ARC Website Maintenance	\$7,000				\$7,000		
PIE5	Friends of the Rouge	\$22,453			\$22,453			
PIE6	WMP Revisions (edit/format only)	\$7,600				\$7,600		
Total 2010 PIE Committee Budget		\$172,053						
TC1	Rouge River Watershed Monitoring Activities	135,417	\$14,000		\$45,417	\$18,000	\$58,000	
TC2	Collaborative Storm Water Action Plan Implementation	139,000	\$59,000	\$50,000		\$30,000		
TC3	Pursuing Grant Opportunities	\$100,000				\$10,000		\$90,000 for Pursuing & Matching Potential Grant
TC4	Land Cover Inventory	\$20,000	\$5,000			\$2,000		\$13,000
Total 2010 Technical Committee Budget		\$394,417						
Total ARC 2010 Budget		\$735,741	\$123,000	\$50,000	\$67,870	\$324,371	\$67,500	\$103,000

*Includes fiduciary services, advocacy and administration



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Alliance of Rouge Communities
Organizational Committee
2010 Budget Requests
September 22, 2009



Working together, restoring the river

**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

2010 BUDGET RECOMMENDATION

REQUEST DATE: September 22, 2009

LINE ITEM: OC1 Executive Director Services

COMMITTEE MAKING REQUEST: Organizational Committee

BACKGROUND: The ARC hired ECT as its Executive Director in early 2007. Based on the performance to date, the ARC Officers requested an updated cost proposal from ECT should the Executive Committee wish to extend the service contract for an additional year.

Attached is the breakdown of hours and costs. The 2010 services represent a juggling of hours between assigned staff members from ECT to more accurately reflect the level of service provided in 2007 through 2009. The service level is similar to what the ARC has received over the last 2 years.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The Executive Director oversees the day-to-day business of the ARC including fiduciary services and maintaining the Quickbooks software. The Executive Director assists the various standing committees as well as the SWAGs.

RATIONALE (including why needed): The ARC needs a leader to handle day-to-day operations.

BUDGET (including how the amount requested was established): The 2010 estimated budget for these services is \$159,771 based on the estimate of the effort depicted on the attached spreadsheet. For comparison sake, the budget for 2009 was \$159,391 for a similar scope of services.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Executive Committee must approve any extension of contract with the Executive Director in 2010. The Executive Director will report to the ARC Chair.

2010 ARC EXECUTIVE DIRECTOR PROPOSED BUDGET

September 16, 2009

Task No.	Task Description	ECT Staff Hourly Rate	Jim Ridgway \$60	Annette Demaria \$40	Zachare Ball \$37	Chris Omeara \$27	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	\$2,796	\$4,738	\$1,130	\$8,664
1b	Executive Committee (4)		27		15	51	\$3,552	\$6,019	\$1,436	\$11,006
1c	Organizational Committee (2)		24		8	8	\$1,952	\$3,307	\$789	\$6,048
1d	SWAGs (2 each =6 mtgs))		20	32	32		\$3,664	\$6,208	\$1,481	\$11,353
Total Hours Task 1 Meetings			89	38	73	89	Total Cost Task 1 Meetings		\$37,071	
2	EXECUTIVE DIRECTOR SERVICES & OPERATIONS									
2a	Routine Distribution of Materials/FOIA & Open Meetings Act					125	\$3,375	\$5,719	\$1,364	\$10,458
2b	Advocate for RR Watershed & Primary Liaison		180			75	\$12,825	\$21,731	\$5,183	\$39,739
2c	Quick Books Monthly Tracking & Reporting (8 hours/mo)					100	\$2,700	\$4,575	\$1,091	\$8,366
2d	Finance Committee (3)		8		8	36	\$1,748	\$2,962	\$706	\$5,416
2e	Administrative Oversight/Contractor Management/Ongoing Support		4		80	20	\$3,740	\$6,337	\$1,512	\$11,589
2f	ARC Marketing & Communications Strategy		8		24	12	\$1,692	\$2,867	\$684	\$5,243
2g	Annual Report		2	2	10	4	\$678	\$1,149	\$274	\$2,101
Total Hours Task 2 Support for the ARC			202	2	122	372	Total Cost Task 2 Support for the ARC		\$82,911	
3	TECHNICAL COMMITTEE SUPPORT									
3a	Technical Committee (4) + Budget Requests Preparation			150			\$6,000	\$10,166	\$2,425	\$18,591
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		\$18,591	
4	PUBLIC INVOLVEMENT & EDUCATION									
4a	Public Involvement & Education Committee (4) + Budget Requests Preparation				150		\$5,550	\$9,404	\$2,243	\$17,197
See PIE Committee Budget Request Packet for other Executive Director assigned tasks.										
Total Hours Task 4 Public Involvement & Education			0	0	150	0	Total Cost Task 4 PIE Support		\$17,197	
Total Estimated Hours by ECT Staff			291	190	345	461	EXPENSES		\$4,000	
TOTAL ARC EXECUTIVE DIRECTOR										\$159,771



ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE

2010 Budget Recommendation

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REQUEST DATE: September 22, 2009

LINE ITEM: OC2 ARC Insurance

COMMITTEE MAKING REQUEST: Organizational 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 last year; however, the Executive Director and Wayne County are currently reviewing the IAA with the insurance provider to verify if changes are needed based on the IAA changes with the Executive Director providing fiduciary services.

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

RATIONALE (including why needed): The ARC needs insurance.

BUDGET (including how the amount requested was established): \$4,500 based on an estimated budget. \$4,500 was budgeted in 2009. It is anticipated that this line item will be confirmed prior to the October 21, 2009 Full ARC meeting. This will be paid with 100% ARC dues.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Executive Director will ensure the insurance coverage does not lapse in 2010.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2010 BUDGET REQUEST

REQUEST DATE: September 22, 2009

LINE ITEM: OC3 – Accounting/Lawyer Services

COMMITTEE MAKING REQUEST: Organizational Committee

BACKGROUND: The Alliance of Rouge Communities voted in September 2008 to budget for lawyer and accountant fees starting in 2010. In 2009 the ARC researched the options of becoming a 501(c)(3) or starting an ARC Foundation. The ARC may be required by certain grants to provide an audit as part of a request. This line item would cover the accountant services to do the audit for the ARC.

DESCRIPTION OF ANTICIPATED ACTIVITIES: These funds will be used for any potential tasks related to the ARC Foundation or other lawyer related activities and accountant fees in 2010.

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

BUDGET: \$5,000. This budget item will be paid with 100% ARC dues.

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



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Alliance of Rouge Communities
Public Involvement & Education Committee
2010 Budget Requests
September 22, 2009

ARC 2010 Budget
 PIE Committee Budget Summary
 Sept. 16, 2009

Item #	Description	2010 Budget	Responsible Party			
			Wayne County	Executive Director	FOTR	To be Assigned
PIE 1	Green Infrastructure Campaign					
	1. Mini grant program/Admin		\$ 15,000	\$ 49,000		
	2. Workshops/Bus Tour		\$ 5,000	\$ 20,000		
	3. Green Schools		\$ 5,000			
	Subtotal:	\$ 94,000	\$ 25,000	\$ 69,000		
PIE 2	Riparian Corridor Management Booklet					
	1. Booklet Design			\$7,000		
	2. Powerpoint			\$2,000		
	Subtotal:	\$ 9,000		\$ 9,000		
PIE 3	Public Ed Materials					
	1. Detention Pond Main. Manual Reprint			\$4,500		
	2. RCM Booklet Printing			\$4,500		
	3. Pollution Prevention Materials		\$ 15,000			
	4. Management and Distribution		\$ 5,000	\$3,000		
	Subtotal:	\$ 32,000	\$ 20,000	\$12,000		
PIE 4	Website Maintenance					
	1. Update and Edit			\$7,000		
	Subtotal:	\$ 7,000		\$7,000		
PIE 5	Watershed Stewardship and Reporting					
	1. Stewardship and Reporting				\$ 22,453	
	Subtotal:	\$ 22,453			\$ 22,453	
PIE 6	WMP Revisions					
	1. Edit and Format			\$7,600		
	Subtotal:	\$ 7,600		\$7,600		
Grand Total		\$ 172,053	\$ 45,000	\$ 104,600	\$ 22,453	\$ -



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2010 BUDGET RECOMMENDATION

REQUEST DATE: August 26, 2009

LINE ITEM: Green Infrastructure Education and Outreach Campaign (PIE Task 1)

COMMITTEE MAKING REQUEST: PIE

BACKGROUND: This task repeats and enhances the work done in 2009 by the PIE Committee. Activities included: septic system maintenance workshops and three green infrastructure workshops and complementary bus tours across the watershed. Additionally, a successful green infrastructure grant program was conducted by the PIE Committee in 2009 that provided funding for 13 small green infrastructure projects across the Rouge River Watershed.

DESCRIPTION OF ANTICIPATED ACTIVITIES: This task will include the following activities:

- *Mini-grant program:* The PIE Committee will publicize and oversee a mini-grant program that will provide funding to facilitate communities, schools and non-profits to establish schoolyard habitats, native plant grow zones, buffers, plant trees and establish small rain gardens. This task reflects the ARC's continuing efforts to promote green infrastructure. The projects being targeted with this budget are simple grow zones, buffers and rain gardens that can be easily installed and then used to educate the public and promote similar activities in schools, communities and neighborhoods. The PIE Committee will also conduct up to four meetings with ARC staff, communities and PIE members to develop criteria, accept applications and screen applications for grants. Additionally, ARC staff will hold a workshop for 2010 grantees and 2009 grantees to discuss lessons learned, maintenance tasks and other issues. Total: \$64,000, including \$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.
- *Green Infrastructure Workshop, Bus Tour and Publicity:* The PIE Committee and staff will coordinate activities with other non-profits and organizations promoting green infrastructure and low-impact development (FOTR, SOCWA, SEMCOG) and generate publicity for the ARC project. This task will include up to three green infrastructure workshops and bus tours or self-guided tours to locations staffed by ARC staff, community members and other stakeholders. Total: \$25,000, including \$5,000 for Wayne County staff to assist in the planning, coordination and implementation of the ARC GI workshops and tours

- *Green Schools:* 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 Green School will get a tree to plant to promote green infrastructure.

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 is repeated from the 2009 ARC budget, because the 13 grow zone and buffer projects were hugely successful in 2009. This activity directly impacts reducing storm water runoff and sewer overflows. Green Infrastructure has a variety of environmental and economic benefit. 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 sites are a good way to publicize ARC activities, as they are marked with Grow Zone signs featuring the ARC logo.

BUDGET (including how the requested amount was established): \$94,000

- *Mini-grant Program:* \$64,000, projects from \$1,000-\$5,000. Budget cost is based on similar projects conducted by Wayne County Department of Environment, the Riparian Corridor Technical Advisory Committee and Friends of the Rouge Schoolyard Habitat and Great Lakes Commission projects. This budget will include coordination of the overall project and site visits and design work for 8-10 green infrastructure projects; plants and seed for the projects, and signage for the projects. This budget will also cover staff time for up to four (4) subcommittee meetings to prepare the grant RFP, 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 2009.
- *Green Infrastructure Workshops, Bus Tour, Publicity:* \$25,000. The cost of the planning, coordinating and facilitating three workshop(s), developing and printing materials and presentations is \$25,000 based on the cost of facilitating three workshops, materials and public education workshop for approximately 100 people and three bus tours in 2009. The cost of printed materials, buses, refreshments and other expenses totaled \$7,500 in 2009.
- *Green Schools Program:* \$5,000 Budget cost is based on similar work conducted by Wayne County in 2008-09 to conduct the Green Schools program in Wayne County, which teaches children about waste reduction and pollution prevention. Participating schools receive a tree to plant at their school, to educate the children about the benefits of trees. A similar program is conducted in Oakland County. This budget would pay for Wayne County staff to conduct this program in Wayne County and coordinate similar activities in Oakland County in 2010.

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. Wayne County DOE would provide assistance with the Mini-Grant Program, GI Workshops, Bus Tour and Publicity and the Green School Program.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2010 BUDGET RECOMMENDATION

REQUEST DATE: August 26, 2009

LINE ITEM: Riparian Corridor Management Guide (Task 2)

COMMITTEE MAKING REQUEST: PIE

BACKGROUND: This task will provide for incorporating various riparian corridor projects/how-tos/helpful tips into a booklet for communities to distribute to riparian land owners, including homeowners and businesses. Information includes woody debris management, how to create buffers and illustrates projects that were completed around the Rouge River Watershed. This task also provides for the creation of a powerpoint presentation that communities can use to educate their homeowners in conjunction with the booklet.

DESCRIPTION OF ANTICIPATED ACTIVITIES: Anticipated activities include gathering appropriate existing information about riparian corridor management, designing and formatting the guide, taking photos and holding one meeting with a review committee.

RATIONALE: ARC community members have asked for this proposed publication based on calls they get from citizens and residents asking what to do about eroding stream banks, flooding, etc. Distribution of this manual will help the ARC communities fulfill PEP requirements and will target several audiences as required by the state's storm water permit.

BUDGET: \$9,000. This budget covers the information collection, editing, formatting and meeting with a review committee, incorporating any comments/edits to the guide and working with a printer. It does not include printing, which is included in the Public Education Materials Task (Task 3 of the PIE Budget).

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.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2010 BUDGET RECOMMENDATION

REQUEST DATE: August 26, 2009

LINE ITEM: Print and Distribute Public Education Materials (Task 3)

COMMITTEE MAKING REQUEST: PIE

BACKGROUND: The PIE Committee has printed and distributed a variety of public education materials to ARC communities to help them fulfill requirements of their storm water permits. These materials have included sizeable quantities of tip cards on fertilizer use, brochures on septic system maintenance and Fogs, Oils and Greases (FOG) and detention pond manuals. This inventory was exhausted in 2008, however the planned purchase of public education materials and some printing planned for 2009 was deferred to 2010. This task will replenish the public education materials for distribution to ARC members.

DESCRIPTION OF ANTICIPATED ACTIVITIES: This task would cover the cost of reprinting some of these items and printing new items such as a reprint of the updated detention pond manual and the Riparian Corridor Management Guidebook being designed in 2010. Finally, this task will pay for ARC staff and Wayne County staff to take orders, distribute materials and communicate with members.

RATIONALE (including why needed): This activity would help ARC communities fulfill the public education program (PEP) requirements of their storm water permits, on topics such as septic system maintenance, fertilizer usage, storm water education, detention pond maintenance, and riparian stewardship.

BUDGET (including how the requested amount was established): \$32,000.

- *Detention Pond Maintenance Manual Reprint:* \$4,500 (based on cost of printing 5,000 copies in 2009)
- *Riparian Corridor Management Booklet, 1st Printing:* \$4,500 (based on similar printing of the Detention Pond Maintenance Manual printing above)
- *Print Materials:* \$15,000 (This cost is based on the cost of a bulk printing in 2005 by SEMCOG that cost \$11,131 and included: 10,000 Fertilizer and HHW tip cards; 8,000 Detention Pond manuals; 30,000 Septic System Maintenance Brochures and 30,000 Fats, Oil and Grease (FOG) brochures. The difference in price from 2005 to 2009 reflects an increase in printing/delivery costs. Additionally, the variety of brochures/tip cards/public education materials will be different
- *Distribution:* \$8,000 (\$3,000ARC Staff; \$5,000 Wayne County DOE) This subtask will pay for ARC staff and Wayne County staff to store and manage ARC printed

materials, take orders, distribute materials, keep inventory, and communicate with members.

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 will track and manage inventory and orders, distribute materials, and perform other activities required by this task.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2010 BUDGET RECOMMENDATION

REQUEST DATE: August 26, 2009

LINE ITEM: ARC Website Update and Maintenance (Task 4)

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: \$7,000. The budget was based on hours per month to perform updates and maintenance and the monthly website fee. Annual website fee: \$360; Graphics, editing and review: \$5,640 (82 hours)

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.



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ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2010 BUDGET RECOMMENDATION

REQUEST DATE: September 21, 2009

LINE ITEM: WMP Revisions Editing and Formatting (PIE Task 6)

COMMITTEE MAKING REQUEST: PIE

BACKGROUND: In 2008, the ARC revised its watershed management plan (WMP) to update it to 319 standards. It was submitted to MDEQ for approval in January, 2009. In May, 2009, MDEQ responded with 18 pages of general comments and 319 comments/revisions necessary for a 319 approval. Based on MDEQ comments, ARC staff will have to spend substantial time to make the revisions, edit and re-format the plan.

DESCRIPTION OF ANTICIPATED ACTIVITIES: Activities include review, editing and formatting the draft document.

RATIONALE: This additional scope is necessary to complete the WMP and gain MDEQ approval. Once approved, the ARC will be able to apply for annual 319 Non-Point Source grants to fund ARC activities and projects.

BUDGET: The total cost for editing, formatting and review of the draft document \$7,600.

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.



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Alliance of Rouge Communities
TECHNICAL COMMITTEE
2010 Budget Requests
September 21, 2009

ARC 2010 Budget
 Technical Committee Budget Summary
 20-Sep-09

Item #	Description	2010 Budget	Responsible Party						
			Wayne County	Executive Director	USGS	CDM	FOTR	Oakland County	To be Assigned
TC1	Rouge River Watershed Monitoring Activities								
	1. DO/Flow Monitoring				\$ 38,000				
	2. Geomorphology		\$ 4,000						
	3. Water Quality Summary					\$ 20,000			
	4. Macroinvertebrate Monitoring		\$ 10,000	\$ 3,000			\$ 45,417		
	5. Ecosystem Brochure			\$ 15,000					
	Subtotal:	\$ 135,417	\$ 14,000	\$ 18,000	\$ 38,000	\$ 20,000	\$ 45,417	\$ -	\$ -
TC2	Collaborative Storm Water Action Plan Implementation								
	1. Action Plan Preparation		\$ 10,000						
	2. Outfall Mapping		\$ 10,000						
	3. IDEP Field Investigations		\$ 29,000	\$ 5,000				\$ 50,000	
	4. IDEP Training		\$ 10,000	\$ 5,000					
	5. Storm Water Reporting System			\$ 20,000					
	Subtotal:	\$ 139,000	\$ 59,000	\$ 30,000	\$ -	\$ -	\$ -	\$ 50,000	\$ -
TC3	Pursuing Grant Opportunities								
	1. Pursuing Grants			\$ 10,000					
	2. Match Fund Reserve								\$ 90,000
	Subtotal:	\$ 100,000	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 90,000
TC4	Land Cover Inventory	\$ 20,000	\$ 5,000	\$ 2,000					\$ 13,000
Grand Total		\$ 394,417	\$ 78,000	\$ 60,000	\$ 38,000	\$ 20,000	\$ 45,417	\$ 50,000	\$ 103,000



**ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE**

**2010 Budget Recommendation from the Technical
Committee for Rouge River Watershed Monitoring
Services**

Working together, restoring the river

REQUEST DATE: September 21, 2009

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. The 2010 activities specified in the 5-Year Plan include biological, physical and hydrologic monitoring at the locations specified in Table 1. Some of these activities are funded by the ARC, while others are funded by other agencies.

Table 1. Rouge River 5-Year Monitoring Plan

Element	Monitoring Locations	O = Non-ARC services (as of 12/08) X = ARC funded services (as of 12/08)				
		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 (WC/FOTR)	O	O	O	O	O
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					

Element	Monitoring Locations	O = Non-ARC services (as of 12/08) X = ARC funded services (as of 12/08)				
		2009	2010	2011	2012	2013
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	X	X	X
Macroinvertebrates	20 sites by WC	O	O [†]	O	O	O
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 and underlined.

**Based on the availability of funding per the MDEQ.

[†]Funding for these items was previously provided by Wayne County. ARC funding is now being requested due to Wayne County's budget reductions in 2010.

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 USGS each year. The operation and maintenance of the USGS gages is done at no direct cost to the ARC. Five additional stream gages should be operated 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/MDNR Fishery, Habitat, Macroinvertebrate and Water Quality Monitoring

The MDNR will not be conducting a fisheries assessment in the watershed as previously thought, due to budget constraints. The MDEQ is planning to conduct a fish community assessment in 2010 at a minimal number of sites, 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 under Technical Committee Initiative TC4 (Grant Funding Opportunities).

MDEQ will not be conducting *E. coli*, phosphorus or TSS monitoring in the watershed as previously indicated. The Technical Committee is not interested in routine *E. coli*, phosphorus or TSS monitoring as this time, since conditions have not changed dramatically since last monitored by the MDEQ or the ARC. Instead, the Technical Committee is focusing on investigative *E. coli* monitoring under Technical Committee Initiative TC2.

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. Wayne County will work with FOTR and others to encourage the participation and involvement of

students and other volunteers in these efforts to further promote awareness and stewardship in the watershed.

DESCRIPTION OF ANTICIPATED ACTIVITIES:

The anticipated activities for 2010 include the following:

No Cost Items:

1. Continuous stream flow monitoring at all seven of the USGS sponsored sites (US1 - US7); and
2. Minimal fish community assessment conducted by MDEQ.

2010 Budget Items:

1. Conduct continuous flow and dissolved oxygen (DO) monitoring at one site;
2. Conduct a geomorphology survey at 10 sites;
3. Summarizing the 2009 water quality monitoring effort in a very brief report for the Technical Committee and communities;
4. Macroinvertebrate monitoring at 40-44 locations in the spring and fall, plus stonefly monitoring in the winter beginning in January of 2010;
5. Create a 12 page color watershed-wide resident-friendly summary of the ecosystem health.

1. Flow/DO Monitoring will be completed by USGS and includes continuous flow and dissolved monitoring at site U05 on the Upper Branch. USGS will provide CDM 15 minute data that has been QA/QC'd in a format acceptable to CDM. CDM will oversee USGS's work as part of their agreement with Wayne County. Wayne County will administer USGS's contract.

2. Geomorphology Survey will be completed by Wayne County to provide baseline data regarding channel stability at 10 sites throughout the watershed. The survey will use field techniques developed by the Ohio EPA and adapted by the MDEQ. The effort will consist data collection and development of a brief report and maps that describe the results.

3. Water Quality Summary will be completed by CDM and includes the following components:

- Acquiring the rainfall, flow and continuous temperature and dissolved oxygen data,
- 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 2009 flow and DO data collection effort and an assessment of historic data trends.

Wayne County will oversee and administer CDM's contract.

4. Macroinvertebrate Monitoring will be completed by the Friends of the Rouge and will include the following components:

- Recruit volunteers;
- Facilitate team leader training twice a year (spring and fall);
- Hold spring and fall bug hunts and winter stonefly search at 20-24 locations;
- Hold bug identification workshop for leaders;
- Input, analyze and report on data findings and volunteer participation;
- Submit data to MiCorps website;
- Maintain quality control through re-evaluation and specimen collections;
- Continually evaluate current sampling sites and add new sites, as needed;
- Provide maps of sampling sites; and
- Provide event reports which describe the results of the data collection effort.

The Executive Director will oversee and administer FOTR’s contract.

Wayne County will perform spring and fall bug hunts at an additional 20 sites that are not safely accessible by volunteers. These sites are located in Wayne County and have been monitored in previous years. Wayne County’s macroinvertebrate data will be included in the reports provided by FOTR.

5. Resident-Friendly Ecosystem Status Brochure will be completed by the Executive Director Staff. The brochure will be a summary and visual representation of the past five years water quality, macroinvertebrate, hydrologic and fisheries data. Data will be taken from the draft Rouge River Watershed Management Plan, the latest Rouge River Ecosystem Monitoring and Assessment Report (RREMAR), and the FOTR macroinvertebrate summaries. The data will be organized in a manner that allows data for each river branch to be pulled out, while organized into one overall watershed wide brochure. Approximately 5,000 hardcopies will be made for distribution to ARC members and an electronic version will be posted on the ARC’s website. Brochure development will be overseen by the PIE Committee.

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 2010 is \$140,417 as summarized below. The budget estimate for FOTR include effort for the Executive Director to oversee their contract. Executive Director oversight includes contract preparation, technical review of invoices and deliverables and contractor communications.

Activity	Contractor	Estimate	Rational
1. Flow/DO Monitoring	USGS	\$38,000	Estimate given by USGS in 2008.
2. Geomorphology	WC	\$4,000	Estimate provided by Wayne County.
3. Data Management and Water Quality Summary	CDM	\$20,000	Wayne County already has a contract in place with CDM for these services.

Activity	Contractor	Estimate	Rational
4. Macroinvertebrate Monitoring	FOTR, WC & ED	\$58,417	FOTR quote for \$45,417 (attached). Plus ED contract administration and oversight: \$3,000), 30 hrs. Plus \$10,000 estimate provide by Wayne County.
5. Resident-Friendly Ecosystem Status Brochure	Executive Director	\$15,000	Printing: \$5,000 for 5,000 copies Information gathering and interpretation: \$6,000, 80 hrs Formatting: \$4,000, 50 hrs
Total:		\$135,417.00	

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

Friends of the Rouge Benthic Macroinvertebrate Monitoring Proposal 2010

Submitted to ARC Technical Committee
July 2009

Background

Friends of the Rouge (FOTR) has been training volunteers to monitor for benthic macroinvertebrates since 1998, growing the program from a few volunteers and a few sites to over 100 volunteers who sample 20-24 sites twice a year for all the bugs and once a year for winter stoneflies. In 2007, the program was certified by the statewide volunteer monitoring agency "Michigan Clean Water Corps (MiCorps)" and continues to maintain high standards in data collection (with an approved QAPP), showing that trained volunteers can collect data comparable to professionals.

Proposal

Friends of the Rouge proposes to continue to coordinate volunteers in monitoring wadable Rouge streams for benthic macroinvertebrates January 2010 through December of 2010. The cost would be \$45,416.93. This would include training team leaders and organizing sampling events twice a year (spring and fall) and an additional sampling event for winter stoneflies only in January. At each of these three events, a minimum of 20-24 sites would be sampled with the potential for additional sites dependent on available team leaders. The spring and fall events would include a habitat survey and identification of any outfalls. Each event will include field identification backed by specimen collection at each site, verification in the lab, and a data report covering number of volunteers involved, sites sampled and monitoring results.

FOTR trained Wayne County Department of the Environment (WC) employees in monitoring and WC now regularly monitors additional sites using the same protocol and submits their data to FOTR. It is expected that this partnership will continue and WC will sample an additional 22 sites in the Spring and in the Fall of 2010 and possibly beyond.

Sampling Protocol:

FOTR trains "team leaders" in collecting techniques and identification using the MiCorps (Michigan Clean Water Corps) volunteer monitoring protocol which involves sampling all available habitats for approximately 30 minutes with a D-frame net. Trainings for team leaders are held twice a year, one prior to the Spring Bug Hunt and one prior to the Fall Bug Hunt. Trainees are recruited from volunteers who have previously attended a hunt or search. Newly trained leaders are paired with experienced leaders until they are comfortable and competent at sampling and identification. Following each Bug Hunt, volunteers are given the opportunity to examine their collected specimens under a scope in a lab for additional practice in identification.

On Bug Hunt days, each team of 2-8 volunteers (led by 1-2 team leaders) samples at two sites. Macroinvertebrates are separated, identified to order, and the MiCorps standard stream Macroinvertebrate datasheet is completed. Sample specimens are preserved. A quick habitat assessment is completed at every site and this includes recording how many outfalls are present and which, if any, are discharging.

Bug Hunts are held every year in the spring (April) and fall (October). An additional event called the Winter Stonefly Search is held in January. This event uses the same protocol except that only stoneflies are looked for and the habitat assessment is not done.

Following each hunt or search, preserved specimens are identified by an aquatic biologist who verifies team leader identifications and identifies macroinvertebrates to family and occasionally to species. Results are compiled and submitted to the MiCorps. Data reports are completed and distributed to volunteers and Rouge communities.

Sites

Sampling sites are chosen based on a history of sampling by the MDNR/MDEQ, interest by the community, and accessibility. Headwater streams were the initial focus and only wadable streams are sampled. Representative sites from all the major branches and tributaries are chosen when possible. Sites are sampled every season for three years and then moved to once a year sampling. FOTR works to add sites at a community's request when feasible.

Tasks

1. Recruit inexperienced as well as potential team leader volunteers
2. Facilitate team leader training twice a year (spring and fall)
3. Hold Spring and Fall Bug Hunts and Winter Stonefly Search
4. Hold bug identification workshop for leaders
5. Work with volunteer biologists to identify specimens
6. Input, analyze and report on data findings and volunteer participation
7. Submit data to MiCorps website
8. Maintain quality control through re-evaluation and specimen collections
9. Continually evaluate current sampling sites and add new sites as needed

Deliverables

- **Sampling Sites:** provide map of current sites
- **Data Report:** A report will be provided following each sampling event (Spring Bug Hunt, Fall Bug Hunt and Winter Stonefly Search). It will include the number of volunteers, sampling sites and results from each sampling site. Results for Bug Hunts will include Total Stream Quality Scores and Rating and Total Number of Taxa. Results for the Stonefly Search will include whether stoneflies were found or not and what family.

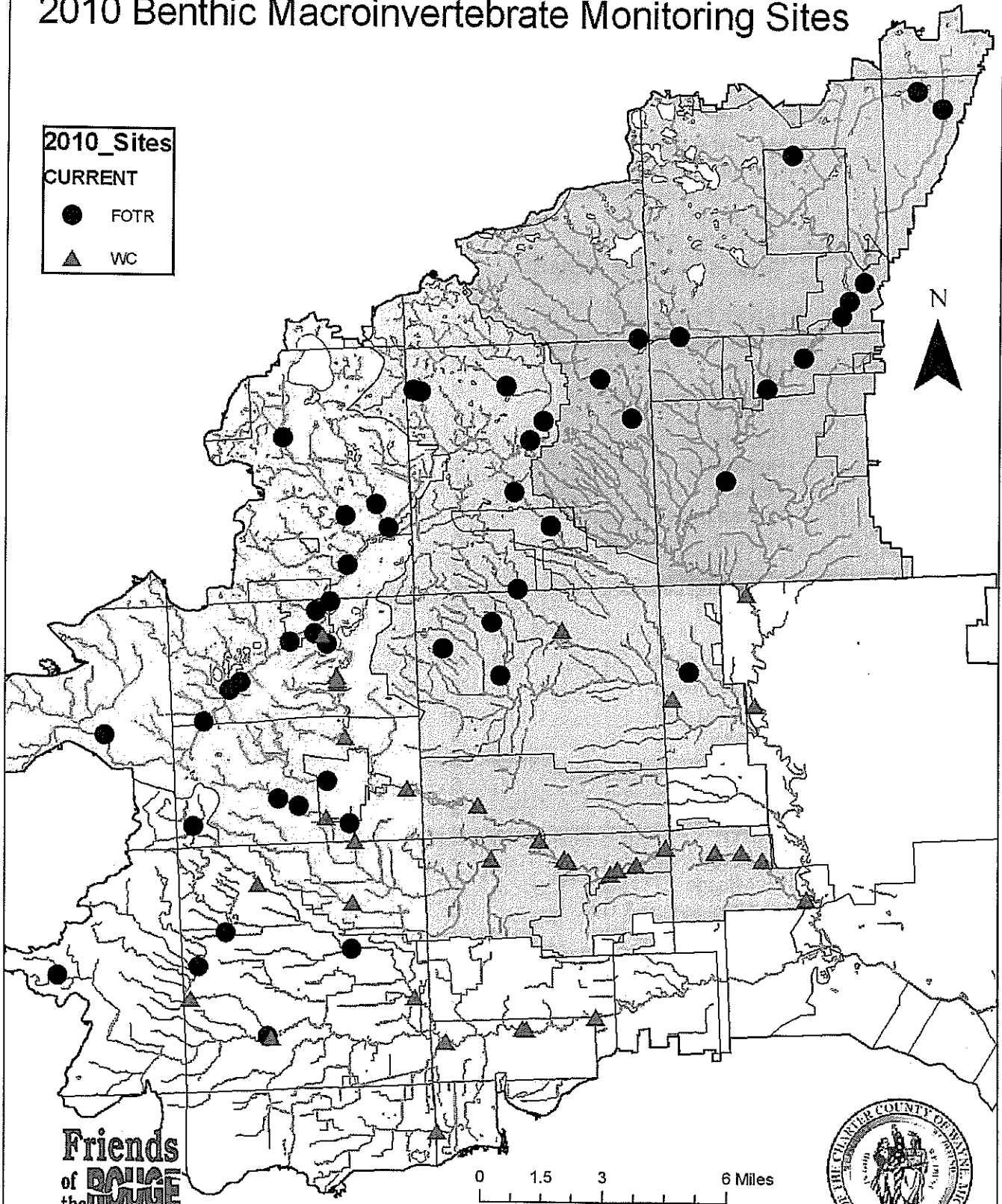
Benthic Macroinvertebrate Monitoring Budget

	2010
Expenses	Year 2
Salaries & Benefits	
Manager	\$ 22,566.79
FICA (at 7.65%)	\$ 1,726.36
WC (at .2%)	\$ 45.13
Benefits (at 6%)	\$ 1,354.01
Total Salaries & Benefits	\$ 25,692.29
Project Expenses	
Equipment/Supplies	
Waders	\$ 480.00
Suspenders	\$ 60.00
Wader Belts	\$ 61.80
Net Frames	\$ -
Replacement Nets	\$ 153.99
Tarps	\$ -
Canvas Bags	\$ -
Forceps	\$ -
Droppers	\$ -
Magnifying Lenses	\$ -
Spoons	\$ 1.00
Trays	\$ -
Ice Cube Trays	\$ 10.00
Thermometers	\$ -
Collecting Jars	\$ -
Gloves	\$ 40.69
First Aid Supplies	\$ 10.00
Refreshments	\$ 257.50
Books	\$ -
Shipping	\$ 77.25
Task Force	\$ 100.00
Staff Mileage	\$ 257.50
Auto Maintenance & Gas	\$ 1,030.00
Training	\$ 515.00
Printing (General)	\$ 1,030.00
Supplies (General Office)	\$ 1,030.00
Postage (General)	\$ 515.00
Total Project Expenses	\$ 5,629.73
Subtotal	\$ 31,322.02
Overhead	\$ 14,094.91
	45.00%
Total Expenses	\$ 45,416.93

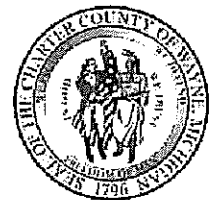
2010 Benthic Macroinvertebrate Monitoring Sites

2010_Sites
CURRENT

- FOTR
- ▲ WC



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Alliance
of Rouge
Communities

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ALLIANCE OF ROUGE COMMUNITIES
FINANCE COMMITTEE

2010 Budget Recommendation from the
Technical Committee for
Collaborative Storm Water Action Plan
Implementation

REQUEST DATE: September 20, 2009

LINE ITEM TC2: Collaborative Storm Water Action Plan 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. To address these issues, Wayne County began developing a Rouge River Watershed Storm Water Action Plan in 2009 with guidance from the Technical Committee. The Plan outlines a collaborative approach to effectively and efficiently reduce *E. coli* concentrations and the other pollutants within the Rouge River watershed and may serve as the comprehensive “Alternative Approach” the ARC membership proposes in response to the 2008 Phase II Storm Water Permit language that many ARC members have contested.

During development of the Plan, 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).

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

DESCRIPTION OF ANTICIPATED ACTIVITIES: The main purpose of this initiative is to implement the Action Plan by focusing on efforts that can be completed on a watershed-wide basis, thereby reducing workload and costs to individual ARC members associated with the NPDES Phase II permit. The two focus areas addressed under this initiative are 1) illicit discharge elimination and 2) storm water reporting. The following objectives further define the scope of this initiative:

Task 1. Action Plan Preparation

Complete the Storm Water Action Plan for submittal to ARC members. The Plan will outline the activities and strategies needed to reduce *E. coli* in the watershed. If accepted by ARC members, the Plan may be used as an Alternative Approach for compliance with the new Phase II permit.

Responsibility: Wayne County

Task 2. Outfall Mapping

Complete a watershed-wide GIS map of known outfalls/discharge points for the watershed. This would be accomplished by collecting all electronic data outfall/discharge point data and create a database/map with known information such as ownership, size, material, etc. This would be a paper exercise and no field verification of information received would be completed. Once this action is complete an electronic database would be available to all ARC members with the location and ownership (if known) of Rouge outfalls discharging to waters of the state.

Responsibility: Wayne County to act as clearinghouse for data collection and map preparation; communities and other counties to provide data as available

Task 3. 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.

Wayne County currently has a grant to fund the majority of their IDEP work in the Rouge and will continue to work under that grant until ARC funding is needed.

Prior to the ARC entering an agreement with Oakland County, the ED will determine the status of any current IDEP work being conducted in the Rouge and where additional efforts are needed to address the priority areas in Oakland County. The ED will then draft a scope of work for review by the Technical Committee. Agreements and funding needed between participating entities will be identified in the scope of work.

ED staff will occasionally solicit progress reports on this task for reporting to the Technical Committee. The ED will also provide an update at Rouge 2010 or at a full ARC meeting, as deemed appropriate.

Responsibility: ED (oversight), Wayne & Oakland counties (implementation)

Task 4. IDEP Training

Conduct IDEP Training for ARC members. Wayne County and ED staff will hold two IDEP trainings for the ARC. The training will fulfill the IDEP training requirements for the new

Phase II permit. The task will include training preparation and meeting room coordination. The task will include updating the current Wayne County IDEP Training module so it is compatible with Windows® 2007. Non-ARC members will be able to attend for a fee.
 Responsibility: Wayne County and ED

Task 5. Storm Water Reporting System

Refine the web-based Rouge River Storm Water Reporting System developed by ED staff in 2009. The system offers ARC members a web-based mechanism for Phase II permit reporting to the MDEQ. Reporting will be available on a watershed-wide and individual member basis. The system will be tested and refined using actual reporting data from 3 ARC members with the goal of being ready for use by the end of 2010. ED staff will conduct a training sessions during a meeting of each SWAG to demonstrate how to use the system. This effort is expected to continue in 2011, when ED staff will assist communities in tweaking their SWPPIs to be consistent with the template developed for the system.
 Responsibility: ED

RATIONALE (including why needed): The new Phase II permit allows for a collaborative approaches. This alternative plan and watershed-wide implementation is proposed in lieu of completing these more prescriptive permit sampling and monitoring requirements. The watershed-wide outfall map and the Storm Water Reporting System are two steps toward having one storm water report for the MDEQ, which will ease the burden on community staff.

BUDGET (including how the amount requested was established): The estimated total budget for this initiative is \$139,000 and summarized in the table below.

Task	Responsible Party	TC Budget	Rational
1. Action Plan Preparation	WC	\$10,000	Estimated budget needed by WC
2. Outfall Mapping	WC	\$10,000	Estimated budget needed by WC
3. IDEP Field Investigations	ED, WC and OC	\$84,000	OC: \$50,000 WC: \$29,000 ED: \$5,000, 50 hrs for collaboration, technical input and reporting to ARC
4. IDEP Training	WC, ED	\$15,000	WC: \$10,000 for training, technical input and training coordination ED: \$5,000, 50 hours for training, technical input and final PowerPoint development.
5. Storm Water Reporting System	ED	\$20,000	System code refining, activity edits and website formatting: \$10,300, 110 hrs Training sessions: \$6,000, 80 hrs Product review and communication: \$3,700, 50 hrs
Total:		\$139,000.00	

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: 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

2010 Budget Recommendation from the Technical Committee for Pursuing Grant Opportunities

REQUEST DATE: August 31, 2009

LINE ITEM TC3: Pursuing Grant Opportunities

COMMITTEE MAKING REQUEST: Technical Committee

BACKGROUND: There has been considerable financial support for the Rouge Project and the Alliance of Rouge Communities in the past through the U. S. EPA National Wet Weather Demonstration grant that has offset the community costs for activities, projects, and programs. This funding has consistently been reduced over the past few years and is expected to drop off substantially after 2010. The Technical Committee recognizes the urgency of finding alternative funding sources to support monitoring and other SWPPI permitting activities required as part of ARC members' storm water permits. With the activities required in community storm water pollution prevention initiatives (SWPPIs) and the impairments identified in the draft Watershed Management Plan, Rouge River total maximum daily load (TMDLs) assessments and within the Rouge River Area of Concern, it will be important to continue to identify sources of funding for project implementation for continued watershed restoration. The federal Great Lakes Restoration Initiative (GLRI) will likely be one such funding opportunity which the ARC can apply.

DESCRIPTION OF ANTICIPATED ACTIVITIES: The Technical Committee proposes a concerted effort to pursue additional grant opportunities in 2010. This task will support seeking out grant opportunities, preparation of applications and provide some financial resources as matching funds. The Technical Committee is particularly interested in opportunities that will support green infrastructure and the activities directly related to *E. coli* and volume reduction.

RATIONALE (including why needed): The declining trend of Federal funding for the Rouge Project is expected to drop off significantly in 2010. The Technical Committee believes it will be important in 2010 to find other funding sources to help fund activities that are required elements of ARC members' SWPPIs and new permit requirements. Because grant applications typically have short deadlines, it will be important that the Technical Committee has the authority to act quickly when a request for proposals hits the streets. The committee therefore requests a budget line item that will provide immediate resources for the preparation of grant applications and matching funds that often substantially improve the chance of being awarded a grant.

BUDGET (including how the amount requested was established): The 2010 estimated budget for Pursuing Grant Opportunities is \$100,000. This amount was established by evaluating the effort involved in preparing grant applications, priority activities grant funding is targeted for, the number of grants that will likely be pursued, and resources to match one successful award. A budget of \$10,000 is anticipated to prepare and pursue 2 grant applications, with \$90,000 left for potential matching.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Chair of the Technical Committee (currently, Mr. Gary Zorza, Vice-Chair) will oversee the task on behalf of the Technical Committee. The ARC Executive Director will work with the Grants Committee to identify appropriate grant opportunities. Once the Grants Committee agrees that a grant application should be submitted, the ARC Executive Director will be responsible for preparation of it.



ALLIANCE OF ROUGE COMMUNITIES FINANCE COMMITTEE

2010 Budget Recommendation from the Technical Committee for the Land Cover Inventory

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REQUEST DATE: September 20, 2009

LINE ITEM TC4: Land Cover Inventory

COMMITTEE MAKING REQUEST: Technical Committee (TC)

BACKGROUND: The Land Cover Inventory was started in 2009, but was unable to be completed due to issues with the initial contractor. This request is for the completion of the Land Cover Inventory by the second contractor selected in 2009 and subsequent data analysis using CITYgreen software by Wayne County. In brief, a land cover inventory allows for an analysis of aerial photography to determine the extent of pervious (green) and impervious (gray) land cover across the watershed. This information will be provided in GIS format for use by the ARC members. This will allow the ARC to better quantify and communicate the economic and environmental benefits of using green infrastructure in the watershed. This will also provide the ARC a method to evaluate the impact of future development using traditional engineering methods versus more “green” engineering methods. This type of land cover analysis will also be used to determine the impacts of restoration efforts in the watershed.

DESCRIPTION OF ANTICIPATED ACTIVITIES: A contractor will be used to complete the land cover inventory started in 2009. The contractor will process existing aerial imagery to create the green infrastructure and the impervious surfaces GIS data coverages for the Rouge River watershed. All communities will be given access of these datasets for use in forecasting and/or evaluating the impacts of new development projects.

The GIS data provided by the contractor will be analyzed by Wayne County on a limited basis using CITYgreen© software. The CITYgreen software allows for pollutant load estimations and quantifies the economic impact of implementing various “green” practices. This information will be used during development of the updated watershed management plan, grant applications and the Ecosystem Status Brochure.

RATIONALE: The updated Rouge River Watershed Management Plan explains that flow/volume control is one of the most significant issues to address throughout the watershed. Volume control is managed through various BMPs that utilize storm water runoff from the smaller rain events, typically less than the 2-year event. The CityGreen program has demonstrated that this volume control can be estimated through changes in land cover, such as converting paved or turf areas to grow zones or trees. It also estimates changes in pollutant loading for the pollutants identified as priority stressors in the watershed plans.

In addition, storm water coordinators will have the capability of communicating both the environmental and economic benefits that existing and/or new vegetative best management practices will have. Municipal planners will have the ability to assess the environmental and economic costs and benefits of future development projects. The ARC will be able to assess the environmental health of the watershed and the long-term success of storm water permit, watershed management activities. The change in tree canopy combined with changes in impervious cover may be utilized as a measurement tool for long-term watershed improvements.

BUDGET: The total budget for this initiative is \$20,000. The completion of the image processing and GIS shapefile creation by the contractor is estimated at \$13,000. This assumes that 80% of the effort will be completed in 2009. An additional \$2,000 is budgeted for administrative oversight by the Executive Director. Technical oversight will be provided by Wayne County at no cost to the ARC as done in 2009. An additional \$5,000 is estimated by Wayne County to analyze the GIS data using CITYgreen© software.

PERSON/AGENCY RESPONSIBLE FOR IMPLEMENTATION: The Vice-Chair of the Technical Committee (currently, Mr. Gary Zorza) will oversee the task on behalf of the Technical Committee. Wayne County will oversee all technical components of the contractor's efforts and perform the data analysis. The Executive Director will be responsible for administrative oversight of the contractor.



Date: September 21, 2009
To: ARC Executive Committee
From: Brandy Siedlaczek, Chair, PIE Committee
 and Zachare Ball, PIE Staff
RE: Funding of MiEarth in 2010

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In early 2009, WTVS/Detroit Public Television asked the ARC to enter into a partnership to kick-off MiEarth, a new website fashioned after the hugely successful MiVote, which allowed people to download videos and opinions about the 2008 Presidential Election. According to the proposal, the ARC would be the sponsor of the Green Communities area of the site, would get a number of public service announcements after regular programming on WTVS, and be able to advertise in the Signal Magazine, a publication that is mailed to WTVS' donors. The cost per year to the ARC would be \$25,000.

In January, 2009, the PIE Committee recommended to the ARC Executive Committee that the ARC fund the initiative to boost the ARC's marketing efforts. The PIE Committee identified \$12,500 in its 2009 budget to pay for half of the 2009 MiEarth cost, anticipating that the additional \$12,500 would come from unallocated funds in the 2009 ARC budget. However, the ARC only supported the initial \$12,500 expenditure, choosing not to allocate additional ARC budget. That agreement has been signed.

During planning for the PIE Committee 2010 budget, the PIE Planning Committee expressed hesitancy about funding this activity for \$25,000 in 2010. Arrangements were made for ARC members to view a live demonstration of MiEarth to help the PIE Committee determine if there was support for the venture. Only four ARC members RSVPed to attend.

Therefore, it is the opinion of the PIE Planning Committee that there is no ARC support for funding a partnership with MiEarth in 2010, and so it will not be included in the PIE 2010 budget.



To: ARC Executive Committee

From: Gary Zorza, Technical Committee Vice-Chair,
Farmington Hills

Date: September 3, 2009

Re: **Land Cover Inventory Contactor
Recommendations (Line Item TC3)**

On August 27, 2009, Michigan Tech Research Institute (MTRI) informed the ARC that they would not be able to fulfill their contract to complete the Land Cover Survey for the ARC (See Attachment A). They underestimated the amount of effort needed to complete the project and were unable to provide the ARC the land cover classifications with the required level of detail. MTRI has not invoiced the ARC for the work performed to date, nor do they anticipate invoicing the ARC for a partially completed product. Once MTRI has turned over the areas that have been completed, the Technical Committee recommends that the ARC terminate MTRI's contract.

The Technical Committee further recommends that the ARC pursue a contract with The Sanborn Mapping Company, Inc. (Sanborn) to complete the Land Cover Survey for the reasons discussed below. Sanborn was ranked second by Technical Committee (TC) during the contractor procurement process held earlier this year. Sanborn's price was \$72,124 (vs MTRI's \$34,260). This price includes Level 1 land cover classification for the entire Rouge River watershed (ARC and non-ARC member communities).

The TC has been in communication with Sanborn since August 27th and has determined that their proposal and price are still valid. The TC has discussed with Sanborn the problems with the aerial photography that MTRI encountered. Sanborn is very familiar with the imagery that the ARC is using and anticipates no problems with it. In addition, Wayne County IT staff has had direct experience with Sanborn on a similar scope of work for the Alliance of Downriver Watersheds (ADW) and highly recommends Sanborn for the ARC's project. Furthermore, Sanborn has tentatively negotiated an agreement with the Michigan Department of Natural Resources (DNR) to cover \$10,000 in effort (approximately 65 sq mi of the watershed) under an existing grant Sanborn holds with the DNR. This bringing the ARC's cost to \$62,124 plus \$6,000 in Executive Director staff oversight for a total of \$68,124.

Sanborn predicts that the schedule to complete this effort is four months. Therefore the work will be split over two budget years with approximately 75% being applied to the 2009 budget and the remainder will be applied to the 2010 budget.

The total costs of \$68,124 are within the TC's original budget of \$85,000 for this line item. Although some of the original \$85,000 budget was shifted to "Unallocated Budget" after MTRI was hired, that budget is still available as of September 1st.

ARC member communities with area beyond the Rouge will once again be given the option to acquire the land cover inventory classes for their non-Rouge areas at a price of \$150 per sq mi. A credit or refund will be issued by the ARC to the twelve communities who pre-paid for this service with MTRI.

In order to secure the \$10,000 in grant funding, the ARC should move somewhat quickly to get into contract with Sanborn. Sanborn has invited Executive Director staff to a meeting scheduled on Sept 17th with the DNR. Executive Director staff will attend that meeting to begin sorting out the details of the grant with Sanborn and the DNR in anticipation of the ARC's approval of a contract with Sanborn; however, ED staff will make no commitment to Sanborn or the DNR.

The Technical Committee still feels that a Land Cover Inventory will provide the ARC with valuable information that will be utilized in the ARC's storm water planning efforts; and we appreciate your consideration of our recommendations. If you have any questions, please contact me at 248-871-2534.

M:\ARC\2009\Land Cover\planning\Sanborn EC Recommendation2.doc

Item 6.d.ii.

**ARC Land Cover Inventory
Fringe Community Costs**

Community	Total Sq Mi	Sq Mi outside the watershed	Original Amount (MTRI) Requested Amount (at \$15/sq mi with \$100 min)	Sanborn Amount Per Community (at \$150/sq mi with \$100 min)	Increase by using Sanborn
Allen Park	7.04	5.65	\$100.00	\$ 825.75	\$ 725.75
Auburn Hills	16.65	16.35	\$245.25	\$ 2,389.55	\$ 2,144.30
Beverly Hills	4.01	0.29	\$100.00	\$ 100.00	\$ -
Birmingham	4.78	1.69	\$100.00	\$ 246.99	\$ 146.99
Bloomfield Township	26.08	0.61	\$100.00	\$ 100.00	\$ -
Commerce Township	36.00	27.30	\$409.50	\$ 3,989.90	\$ 3,580.40
Dearborn Heights	23.37	3.50	\$52.50	\$ 511.53	\$ 459.03
Inkster	6.24	0.47	\$100.00	\$ 100.00	\$ -
Melvindale	2.76	0.06	\$100.00	\$ 100.00	\$ -
Northville Township	16.64	0.08	\$100.00	\$ 100.00	\$ -
Novi	36.00	6.93	\$103.95	\$ 1,012.82	\$ 908.87
Oak Park	5.02	4.90	\$100.00	\$ 716.14	\$ 616.14
Orchard Lake Village	4.06	3.81	\$100.00	\$ 556.83	\$ 456.83
Pontiac	20.26	19.60	\$294.00	\$ 2,864.54	\$ 2,570.54
Rochester Hills	33.00	29.92	\$448.80	\$ 4,372.81	\$ 3,924.01
Romulus	36.00	32.20	\$483.00	\$ 4,706.03	\$ 4,223.03
Southfield	26.29	2.89	\$100.00	\$ 422.37	\$ 322.37
Superior Township	35.51	19.31	\$289.65	\$ 2,822.16	\$ 2,532.51
Troy	33.60	27.61	\$414.15	\$ 4,035.20	\$ 3,621.05
Van Buren Township	36.06	22.91	\$343.65	\$ 3,348.30	\$ 3,004.65
Walled Lake	2.39	1.48	\$100.00	\$ 216.30	\$ 116.30
West Bloomfield Twp.	31.54	14.23	\$213.45	\$ 2,079.71	\$ 1,866.26
Westland	20.46	1.00	\$100.00	\$ 146.15	\$ 46.15
Wixom	9.40	8.54	\$128.10	\$ 1,248.12	\$ 1,120.02
Ypsilanti Township	31.84	1.72	\$25.80	\$ 251.38	\$ 225.58

Note: Those who chose to be included in MTRI's contract Total \$2,495.15