

**ENVIRONMENT COMMITTEE**

*HIS WORSHIP, THE MAYOR  
AND COUNCILLORS*

**SUBJECT: PROPOSED USED COOKING OIL RECYCLING PILOT PROJECT**

**RECOMMENDATIONS:**

1. THAT Council authorize staff to enter into an agreement with ERM BioSource for establishing a pilot project for used cooking oil recycling at the City's Still Creek Recycling Depot; and
2. THAT a copy of this report be forwarded to Recycling Council of British Columbia and ERM BioSource.

**REPORT**

The Environment Committee, at its meeting held on 2008 September 09, received and adopted the *attached* report seeking Council approval for establishing a pilot project for used cooking oil collection and recycling at the City's Still Creek Recycling Depot.

Burnaby has been proposed as a pilot project site due to its long term commitment to protecting the environment and its centrally located recycling depot. The proposed collection service at the Still Creek Recycling Depot will provide Burnaby residents with enhanced "one stop" recycling service. Upon project completion, staff will report back on the success of the project and its continuance at the City's Recycling Depot.

Respectfully submitted,

Councillor D. Johnston  
Chair

Councillor P. Calendino  
Vice Chair

Councillor L. Rankin  
Member

Copied to: City Manager City Solicitor Director Engineering
---

**TO:** CHAIR AND MEMBERS  
ENVIRONMENT COMMITTEE

**DATE:** 2008 September 02

**FROM:** DIRECTOR ENGINEERING

**SUBJECT:** PROPOSED USED COOKING OIL RECYCLING PILOT PROJECT

**PURPOSE:** To seek Council approval for establishing a pilot project for used cooking oil collection and recycling at the City's Still Creek Recycling Depot.

---

**RECOMMENDATION:**

1. **THAT** the Committee recommend Council to:
  - a) Authorize staff to enter into an agreement with ERM BioSource for establishing a pilot project for used cooking oil recycling at the City's Still Creek Recycling Depot; and
  - b) Forward a copy of this report to Recycling Council of British Columbia and ERM BioSource.

**REPORT**

1.0 INTRODUCTION

The City has received a proposal (attached) from Recycling Council of British Columbia (RCBC) regarding a used cooking oil pilot project which RCBC and its member partner, ERM BioSource, are preparing to launch, and request the City's participation in the project.

This report presents the proposed project and seeks Council approval to proceed with the pilot project for used cooking oil collection at the City's Still Creek Recycling Depot.

2.0 PROPOSED PROGRAM

Currently there is no program in any BC municipalities to collect and divert used cooking oil from disposal by residents. Used cooking oil from residential homes is typically placed in the garbage or poured down the drain. One of the pilot projects proposed by RCBC and its member partner ERM BioSource includes collection of used cooking oil from Burnaby residents and re-using it in production of biodiesel. Burnaby has been proposed as a pilot project site due to its long term commitment to protecting the

To: Environment Committee  
From: Director Engineering  
Re: Proposed Used Cooking Oil Recycling Pilot Project  
2008 September 02 ..... Page 2

environment and its centrally located recycling depot which has a high participation rate. The pilot project will be conducted over a period of one year beginning 2008 October 01.

ERM BioSource will provide the necessary staff training, provide containers for collection of used cooking oil at the City's Still Creek Recycling Depot, service the containers and process the used cooking oil at their facility in Port Coquitlam to produce biodiesel. ERM will also be involved in providing necessary information to the public on the proposed collection and recycling program.

RCBC will facilitate the pilot project by assisting with project planning and development, public and stakeholder communication and final evaluation.

Canbra Foods, Canada's largest producer of canola oil has also committed to partner in the pilot project and has shown an interest in participating in an awareness campaign with local supermarkets regarding the importance of recycling used cooking oil and providing location(s) where residents can recycle their used cooking oil.

The City, in addition to providing a collection location, will also assist in providing information to Burnaby residents regarding collection of used cooking oil at its Recycling Depot.

Staff will report back on the success of the pilot project and its continuance at the City's Recycling Depot. It is anticipated by RCBC that the success of this pilot project may initiate a BC wide used cooking oil collection program.

### 3.0 CONCLUSION

The proposed pilot project for recycling used cooking oil follows the sustainability principles and is therefore supported by staff. The proposed collection service at the Still Creek Recycling Depot will provide Burnaby residents with enhanced "one stop" recycling service. It is therefore recommended that staff be authorized to enter into an agreement with ERM BioSource for establishing a used cooking oil recycling pilot project at the City's Still Creek Recycling Depot. Upon project completion, staff will report back on the success of the project and its continuance at the City's Recycling Depot.

  
L. S. Chu, P.Eng  
DIRECTOR ENGINEERING

DD:br

Attachment

P:\\_Clerk Typist\Reports\Environment\2008\Proposed Used Cooking Oil.dd.doc

Copied to: City Manager  
City Solicitor



August 5, 2008

Mayor Derek Corrigan  
City of Burnaby  
4949 Canada Way  
Burnaby, B.C.  
V5G 1M2

Dear Mayor Corrigan;

I am writing to inform you about a proposed used cooking oil recycling demonstration project that RCBC and our member partner, ERM BioSource, are preparing to launch, and to request participation by the City of Burnaby.

It is my understanding that you have already met with Mr. Robert Greene of ERM BioSource to discuss the possibility of the City of Burnaby participating in this project. Now that we have a proposal we're hoping you'll agree to move ahead with us.

Please find attached the proposal detailing the scope of the demonstration project. Our desire to include Burnaby in this demonstration is due to your City's long-standing commitment to protecting the environment, and the fact that you have an exemplary, centrally-located recycling depot with a high rate of public participation.

We are available to answer any questions you might have about the project and are ready to work with your staff to ensure that participating in the project will be of benefit to all parties.

Our contact information:

Robert Greene  
Project Resource Manager  
ERM BioSource,

604-314-7675

[erm4oil@yahoo.ca](mailto:erm4oil@yahoo.ca)

Mairi Welman  
Director of Communications  
RCBC

604-683-6009 ext 305

[mairi@rcbc.bc.ca](mailto:mairi@rcbc.bc.ca)

Thank -you for your consideration of this matter. We look forward to receiving your response.

Sincerely,

Mairi Welman  
Director of Communications

Cc: Robert Greene

Suite 10  
119 W. Pender St.  
Vancouver, BC  
Canada  
V6B 1S5

T:  
(604) 683-6009

E:  
[rcbc@rcbc.bc.ca](mailto:rcbc@rcbc.bc.ca)

W:  
[www.rcbc.bc.ca](http://www.rcbc.bc.ca)

## Community Used Cooking-Oil Collection Program Demonstration Project Proposal

The purpose of this memo is to provide the details of a proposed demonstration project to collect and recycle used residential cooking oil (UCO) by testing two methods of collection.

There is currently no program in any municipality in British Columbia to divert UCO from disposal at the residential level. Most residents are putting UCO in their garbage, composting it, or pouring it down the drain.

UCO is actually an energy resource that should be recycled and reused as much as possible before disposal becomes an option. To this end the Recycling Council of B.C. is partnering with member business ERM BioSource to conduct a demonstration program to divert residential UCO which will be processed into B100 biodiesel.

Canbra Foods, Canada's largest producer of canola oil, has also committed to partner in the demonstration project.

Two collection methods will be tested in two municipalities.

### **1) Proposed location – Burnaby's Still Creek Recycling Depot**

Burnaby has a long-standing reputation as a leader in recycling and has an ideally centralized location for this project. The basic requirement for this collection program is that the depot must have an employee present to inspect the UCO before it is disposed of and the employee must be trained to identify unacceptable oil types. ERM Biosource will provide all training and the collection containers, will collect the UCO, and supply the municipality with a monthly collection report. The municipality will make its best effort to notify residents of the program, encouraging them to bring their used cooking oil to the designated location for recycling.

Canbra Foods will work on an awareness campaign with local supermarkets to raise awareness about the importance of recycling used cooking and frying oils and informing residents about the drop-off location at Still Creek.

### **2) Proposed location – City of White Rock**

Restaurants which currently have a contract with ERM BioSource will be enlisted under the Restaurant Green Zone Program ([www.restaurantgreenzone.com](http://www.restaurantgreenzone.com)) to act as community collection points and accept UCO from residents in their immediate neighbourhood.

ERM will work with the local BIA to contact White Rock Restaurant Green Zone participants to invite them to participate in this program.

The municipality will make its best effort to notify residents of the program and encourage them to bring their used cooking oil to the designated locations for recycling.

Canbra Foods will work on an awareness campaign with local supermarkets to raise awareness about the importance of recycling used cooking and frying oils and the locations available to residents for recycling.

ERM Biosource will collect the used frying oil from the restaurants and supply the municipality with a monthly collection report.

With both collection projects, a short training program will be required for personnel/staff regarding how to inspect incoming UCO from the community before it is deposited into collection containers. The project will only be collecting non-hydrogenated cooking oil. No lard will be accepted.

ERM BioSource will provide full supervision of the demonstration project including staff training, collection containers, servicing the containers as required, public information materials etc.

RCBC's role is to facilitate the demonstration project by assisting with project planning and development, public and stakeholder communications and final evaluation.

The term of the demonstration program will be one year, beginning October 1, 2008 and finishing October 1, 2009.

At the end of October 2009 a project evaluation report will be provided to all partners. The hope is that, through the findings gleaned in this demonstration project, we can develop a suitable B.C.-wide UCO recycling program.

#### Demonstration Project Time Line

September 3	Municipal approval deadline
September 5	Contact White Rock RGZ restaurants with invitation to participate in the program Develop awareness materials with Canbra Foods and RCBC Review notice to residents with Burnaby
September 19	Staff training at participating White Rock restaurant locations Staff raining at Burnaby recycling centre Notify media of program

September 23	Drop off first collection barrel at Burnaby recycling depot
Nov. 1/08 – Oct. 1/09	Collect, monitor and maintain project
October 30/09	Deliver project evaluation report

---

For more information about ERM BioSource and the Restaurant Green Zone please visit:

<http://restaurantgreenzone.com>

For more information about RCBC please visit:

[www.rcbc.bc.ca](http://www.rcbc.bc.ca)

---

For your further information a Vancouver Sun article regarding estimated municipal costs of incorrect UCO disposal:

<http://www.canada.com/vancouvernews/news/westcoastnews/story.html?id=6ae653ef-a6a9-43e3-b73d-1eb9a978cf57>

---