JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT

COMPLETE THIS SECTION IF NEW CONTRACT

For contract(s) in this request, answer applicable questions in each of the 4 major subject areas below in accordance with the Instructions for Preparation of Non-Competitive Procurement Form on the reverse side.

Request that negotiations be conducted only with Chicago Mobility for the product and/or services described herein.

This is a request for ___ (One-Time Contractor Requisition # 34686, copy attached) or ___ Term Agreement or ___ Delegate Agency (Check one). If Delegate Agency, this request is for “blanket approval” of all contracts within the ___ (Attach List) Pre-Assigned Specification No.

___ (Program Name) Pre-Assigned Contract No.

COMPLETE THIS SECTION IF AMENDMENT OR MODIFICATION TO CONTRACT

Describe in detail the change in terms of dollars, time period, scope of services, etc., its relationship to the original contract and the specific reasons for the change. Indicate both the original and the adjusted contract amount and/or expiration date with this change, as applicable. Attach copy of all supporting documents. Request approval for a contract amendment or modification to the following:

<table>
<thead>
<tr>
<th>Contract #</th>
<th>Company or Agency Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<table>
<thead>
<tr>
<th>Specification #</th>
<th>Contract or Program Description</th>
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<tbody>
<tr>
<td></td>
<td>(Attach List, if multiple)</td>
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</table>

<table>
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<tr>
<th>Mod. #</th>
<th></th>
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</table>

<table>
<thead>
<tr>
<th>Originator Name</th>
<th>Telephone</th>
<th>Signature</th>
<th>Department</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

Indicate SEE ATTACHED in each box below if additional space needed:

<table>
<thead>
<tr>
<th>( ) PROCUREMENT HISTORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>See attached</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>( ) ESTIMATED COST</th>
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<tbody>
<tr>
<td>See attached</td>
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</table>

<table>
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<tr>
<th>( ) SCHEDULE REQUIREMENTS</th>
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<td>See attached</td>
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<tr>
<th>( ) EXCLUSIVE OR UNIQUE CAPABILITY</th>
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<td>See attached</td>
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</table>

<table>
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<tr>
<th>( ) OTHER</th>
</tr>
</thead>
</table>

APPROVED BY: ___________________________ 8/13/07

<table>
<thead>
<tr>
<th>BOARD CHAIRPERSON</th>
</tr>
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</tbody>
</table>

DEPARTMENT HEAD
ORDINANCE
INSTRUCTIONS FOR PREPARATION OF NON-COMPETITIVE PROCUREMENT FORM

If a City Department has determined that the purchase of supplies, equipment, work, and/or services cannot be done on a competitive basis, a sole source justification must be prepared on this "Justification for Non-Competitive Procurement Form" in which procurement is requested on a non-blind basis must be answered. The information provided must be complete and in sufficient detail to allow for a decision to be made by the Non-Competitive Procurement Review Board. Also attach a complete CPAC Project Checklist, and any other required forms (see "Filling #1, below). The Board will not consider justifications with incomplete information documentation.

PROCUREMENT HISTORY (INCLUDING FUTURE PROCUREMENT OBJECTIVES)

1. Describe the requirement and how it evolved from initial planning to its present status.
2. Is this a first-time requirement or a continuation of previous procurement from the same source? If so, explain the procurement history.
3. Explain all research done to find other sources. (List other cities contacted, companies in the industry contacted, professional organizations, periodicals and other publications used).
4. Explain future procurement objectives. Is this a one-time request or will future requests be made for doing business with the same source?
5. Explain whether or not future competitive bidding is possible. If not, why not?

ESTIMATED COST (or "ESTIMATED COST")

1. What is the estimated cost for this requirement (or for each contract, if multiple awards contemplated)? What is the funding source?
2. What is the estimated cost by fiscal year, if the job project or program covers multiple years?
3. Explain the basis for estimating the cost and what assumptions were made and/or data used (ie. budgeted amount, previous contract price, current catalog or cost proposal from firms solicited, engineering or in-house estimate, etc.).
4. Explain whether the proposed Contractor or the City has a substantial dollar investment in original design, tooling or other factors which would be duplicated at City expense if another source was considered. Describe cost savings or other measurable benefits to the City which may be achieved.
5. Explain what negotiation of price has occurred or will occur. Detail why the estimated cost is deemed reasonable.

SCHEDULE REQUIREMENTS (or "SCHEDULE REQUIREMENTS")

1. Explain how the schedule was developed and at what point the specific dates were known.
2. Is lack of drawings and/or specifications a constraining factor to competitive bidding? If so, why is the proposed Contractor the only person or firm able to perform under these circumstances? Why are the drawings and specifications lacking? What is the lead time required to get them? Explain why only one person or firm can meet the required schedule.
3. Outline the required schedule by delivery or completion dates and explain the reasons why the schedule is critical.

EXCLUSIVE OR UNIQUE CAPABILITY (or "EXCLUSIVE OR UNIQUE CAPABILITY")

1. If contemplating hiring a person or firm as a Professional Service Consultant, explain in detail what professional skills, expertise, qualifications, other factors make this person or firm exclusively or uniquely qualified for the project. Attach copy of cost proposal and scope of services.
2. Does the proposed firm have personnel considered unquestionably predominant in the particular field?
3. What prior experience of a highly specialized nature does the person or firm exclusively possess that is vital to the job, project or program?
4. What technical facilities or test equipment does the person or firm exclusively possess of a highly specialized nature which is vital to the job?
5. What other capabilities and/or capacity does the proposed firm possess which is necessary for the specific job, project or program which makes them the only source who can perform the work within the required time schedule without unreasonable costs to the City?
6. If procuring products or equipment, describe the intended use and explain any exclusive or unique capabilities, features and/or functions the items have which no other brands or models, etc. possess. Is compatibility with existing equipment critical from an operational standpoint?
7. Is competition precluded because of the existence of patent rights, copyrights, trade secrets, technical data, or other proprietary data? Attach documentation verifying such.
8. If procuring replacement parts and/or maintenance services, explain whether or not replacement parts and/or services can be obtained from any other sources? If not, is the proposed firm the only authorized or exclusive dealer/distributor and/or service center? If so, attach letter from manufacturer.

MBE/WBE COMPLIANCE PLAN

All submissions must contain detailed information about how the proposed firm will comply with the requirements of the City's Minority and Women Owned Business program. All submissions must include a complete C-1 and D-1 form, which is available on the Procurement Services page on the City's intranet site.

OTHER (or "OTHER")

1. Explain other related considerations and attach all applicable supporting documents (an approved Information Technology Strategy Committee (ITSC) form, an approved Request for Individual Contract Services form, etc.)

REVIEW AND APPROVAL (or "REVIEW AND APPROVAL")

This form must be signed by both the Originator of the request and approved by the Department Head or authorized designee. After review and final disposition from the Board, this form will be stamped to indicate the final disposition and signed by the Chairperson of the Board of authorized designee. If this form must be signed by both the Originator of the request and approved by the Department Head or authorized designee. After
...review and final disposition from the Board, this form will be stamped to indicate the final disposition and signed by the Chairperson of the Board of
JUSTIFICATION FOR NON-COMPETITIVE BID PROCESS

Project Name: Chicago Byproducts Synergy
Prepared by: Claire Woolley
Date: August 16, 2007

1. Procurement History

The City of Chicago and the Chicago Manufacturing Center (CMC) are working together to facilitate the Chicago Waste to Profit Network (the Network). The Network was initially established in June 2006 as an 18-month pilot project (the project). The genesis for the project was a discussion on byproduct synergy by the United States Business Council for Sustainable Development (USBCSD) at a Great Lakes Partnership conference in 2005, hosted by CMC.

This application for non-competitive bid services relates to Phase Three of the project, specifically for CMC’s services, at fee not to exceed $76,410.

2. Project Outline

The Network is based on the concept of byproduct synergy. Waste streams from one company become the inputs for another. Companies, often in very different product markets, identify these points of value-added collaboration (or synergy) and implement.

The objective of the project is to successfully demonstrate the economic and environmental benefits of byproduct synergy and serve as a catalyst for other networks throughout the United States. This is already starting to occur.

Twenty seven companies have formed a principle Innovation Network. A further sixty companies participate in a Community Network. As interest in joining the Network is high, planning is underway to add additional companies in winter 2008.

It is proposed that the project will continue after the pilot phase and additional grant funding is currently being sought for this.

3. Project Funding

The project is divided into three phases, as follows:

<table>
<thead>
<tr>
<th>Phase</th>
<th>Funding Source</th>
<th>Amount ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (Jun – Dec 06)</td>
<td>Illinois Department of Economic Opportunity</td>
<td>82,500</td>
</tr>
<tr>
<td>Two (Jan – June 07)</td>
<td>City of Chicago</td>
<td>100,000</td>
</tr>
<tr>
<td>Date</td>
<td>Source</td>
<td>Amount</td>
</tr>
<tr>
<td>------------</td>
<td>------------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>July-Dec 07</td>
<td>(929/ComEd settlement funds) NIST Manufacturing Extension Partnership</td>
<td>80,589</td>
</tr>
<tr>
<td></td>
<td>City of Chicago (USEPA Region V Great Cities Grant)</td>
<td>84,900</td>
</tr>
</tbody>
</table>

The amount of the proposed Phase Three contract with CMC is $76,410, being the total grant award of $84,900 minus indirect costs to the City. Please see paragraph 8 below for a fuller breakdown. CMC also has a number of subcontractors, including USBCSD and the Illinois Department of Natural Resources' Water Management and Research Center.

4. **Unique Capability**

Using byproduct synergy as a method to achieve better waste management is novel and nascent in the United States. The project therefore brought together the initiator of the concept, the USBCSD, which was also the administrator of the then only other network in the country (i.e. Kansas City). It was through CMC that the City was able to assess this skill base.

It is considered that CMC itself has the necessary specialized expertise to both project manage the project and facilitate the Network.

CMC also bought its own resources to the project, namely a $82,500 grant from the Illinois Department of Economic Opportunity and $80,589 from the NIST Manufacturing Extension Partnership. The project would not have proceeded without this additional funding, which enabled the City’s funding to be leveraged.

5. **MBE/WBE Compliance**

It is not proposed to use MBE/WBE contractors on the project as the subcontractors need to have unique, specialized skills (i.e. experience with byproduct synergy). Please see Commissioner Johnston’s memo to the Chief Procurement Officer on this topic dated May 17, 2006.

6. **Scope of Services**

*Overview*

CMC will provide services to the City to assist it in the implementation of the Network. This will include facilitating the various working group meetings and affinity group meetings, byproduct synergy development and also the oversight and management of the project’s subcontractors.
Deliverables

The Phase Three deliverables are:

- Management and facilitation of two working group meetings for the Innovation Network in August and October 2007;
- Management and facilitation of user group meetings for the Innovation Network from June 1, 2007 through December 31, 2007;
- Management and facilitation of the Community Network meeting on July 21, 2007 for approximately 40 mostly smaller companies in the Chicago area;
- Implementation of by-product synergy potentials of the 27 companies and 7 City of Chicago departments involved in the Innovation Network;
- Technical support, in form of advisory services, for the 27 innovation companies;
- Two day project review of potential synergies with Chicago Waste to Profit Network Advisory Council; and
- Final report of by-product synergies as a result of the project. The final report will include discussion of data collection issues, by-product synergy implementation status, companies assessed, and any other information deemed relevant and of significance.

7. Schedule Requirements

The term of the contract is June 1, 2007 to December 31, 2007.

8. Compensation

CMC will be compensated for its Phase Three services as follows:

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 2007</td>
<td>$10,000</td>
<td>Community meeting cost and support</td>
</tr>
<tr>
<td>July 2007</td>
<td>$16,150</td>
<td>User group meeting and analysis of synergies between the Innovation Network and Community Network</td>
</tr>
<tr>
<td>August 2007</td>
<td>$9,320</td>
<td>Fourth Innovation Network working group meeting and technical consulting support</td>
</tr>
<tr>
<td>September 2007</td>
<td>$16,050</td>
<td>User group meetings and support</td>
</tr>
<tr>
<td>October 2007</td>
<td>$12,600</td>
<td>Fifth working group meeting</td>
</tr>
<tr>
<td>November 2007</td>
<td>$8,550</td>
<td>Monthly technical support</td>
</tr>
<tr>
<td>December 2007</td>
<td>$3,740</td>
<td>Final report</td>
</tr>
<tr>
<td>Total</td>
<td>$76,410</td>
<td></td>
</tr>
</tbody>
</table>
DPS PROJECT CHECKLIST

IMPORTANT: PLEASE READ AND FOLLOW THE INSTRUCTIONS FOR COMPLETING THE PROJECT CHECKLIST AND CONTACT THE APPROPRIATE UNIT MANAGER IF YOU HAVE ANY FURTHER QUESTIONS. ALL INFORMATION SHOULD BE COMPLETED, ATTACH ALL REQUIRED MATERIALS AND SUBMIT FOR HANDLING TO THE DEPARTMENT OF PROCUREMENT SERVICES, ROOM 403, CITY HALL, 121 N. LASALLE STREET, CHICAGO, ILLINOIS 60602.

GENERAL INFORMATION:
Date: 8/13/07
REQ No.: 74686

Specification No.: (if known):
PO No.: (if known):
Modification No.: (if known):
Project Description:

Contact Person: Clark Woolley
Tel: 4-9908
Fax: 
E-mail: @cityofchicago.org

Project Manager:
Tel:
Fax:
E-mail:

Previous PO No.: (if known):

FUNDING:
City:
State:
Federal:

Corporate
IDOT/Transit
FHWA

IDOT/Highway
FTA

Enterprise
FAA

Grant*
Grant*
Other

Grant*
Grant*
Other

Other

LINE FY FUND DEPT ORGN APPR ACTV OBJT PROJECT RPTG $ DOLLAR AMOUNT
007 0844 0122005 0140 220140 0000 0000 mmm20 $76,410

Estimated Value $ 76,410

*IF GRANT FUNDED, A COPY OF THE APPROVED GRANT AND APPLICATION ARE REQUIRED and any other Terms and Conditions that may apply.

SCOPE STATEMENT:
☑ Attached is a Detailed Scope of Services and/or Specification

IMPORTANT: THIS IS A CRITICAL PORTION OF YOUR SUBMITTAL. IN ORDER FOR DPS TO ACCEPT YOUR SUBMITTAL YOU MUST COMPLETE THE SPECIFIC SCOPE REQUIREMENTS AS SET FORTH IN THE SUPPLEMENTAL CHECKLIST FOR THAT UNIT.

The following is a general description of what should be included in a Scope of Services or Specification:
A clear description of all anticipated services and products, including: time frame for completion, special qualifications of prospective vendors, special requirements or needs of the project, locations, anticipated participating user departments, citation of any applicable City ordinance or state/federal regulation or statute.

TYPE OF PROCUREMENT REQUESTED (check all that apply):

NEW REQUEST
☑ Blanket Agreement
☑ Standard Agreement
☑ Small Orders

MOD/AMENDMENT
☑ Time Extension
☑ Vendor Limit Increase
☑ Scope Change/Price Increase/Additional Line Item(s)
☑ Other (specify):

FORMS:
☑ Requisition
☑ Special Approvals
☑ Non-Competitive Review Board (NCRB)

CONTRACT TERM:
Requested Term (number of months):

RE BID/SUBMITTAL REQUIREMENTS:
Requesting Pre Bid/Submittal Conference? ☐ Yes ☐ No
Requesting Site Visit? ☐ Yes ☐ No

Form Dated 04/24/2007
DPS PROJECT CHECKLIST

ARCHITECTURAL/ENGINEERING SUPPLEMENTAL CHECKLIST

Required Attachments: Scope of Services, including location, description of project, services required, deliverables, and other information as required

Risk Management
Will services be performed within 50 feet of CTA train or other railroad property? □ Yes □ No
Will services be performed on or near a waterway? □ Yes □ No

If applicable, Pre-Qualification Category No. Category Description:
For Pre-Qualification Program, attach list of suggested firms to be solicited

Other Agency Concurrency Required □ None □ State □ Federal □ Other (fill in)

AVIATION CONSTRUCTION SUPPLEMENTAL CHECKLIST

DOA sign-off for final design documents: □ Yes □ No

Required Attachments:
Copy of Draft Contract Documents and Detailed Specifications.

Risk Management:
Current Insurance Requirements prepared/approved by Risk Management: Yes □ No □
Will work be performed within 50 feet of CTA or ATS structure or property? Yes □ No □
Will work be performed airside? Yes □ No □

*NOTE: Any non-construction Aviation request, complete the applicable section.

COMMODITIES SUPPLEMENTAL CHECKLIST

Required Attachments: Detailed Specifications (Scope of Services) including detailed description of the product, delivery location, user department contact, price escalation considerations, Bidder's qualification, contract term and extension options, Contractor's qualifications, citation of any applicable City/State/Federal statutes or regulations, citation of any applicable technical standards and Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate.

If Modification request, please verify and provide the following:

Contractor's Name:

Contractor's Address:

Contractor's e-mail Address:

Contractor's Phone Number:

Contractor's Contact Person:

CONSTRUCTION SUPPLEMENTAL CHECKLIST

Required attachments:
Copy of Draft (80% Completion), Contract Documents and Detailed Specifications

Risk Management
Will services be performed within 50 feet of CTA train or other railroad property? □ Yes □ No
Will services be performed on or near a waterway? □ Yes □ No

Form Dated 04/24/2007
DPS PROJECT CHECKLIST

VEHICLES/HEAVY EQUIPMENT SUPPLEMENTAL CHECKLIST

Required Attachments:
- [ ] Detailed Specifications including detailed description of the vehicle(s) or equipment, mounted equipment, if any, and options/accessories
- [ ] Special Provisions (Delivery, Warranty, Manuals, Training, Additional Unit Purchase Options, Bid Submittal Information, etc.)
- [ ] Delivery Location(s)
- [ ] Technical Literature
- [ ] Drawings, if any
- [ ] Part Number List (Manufacturer: or Dealer: or Other Source: )
- [ ] Current Price List(s)/Catalog(s)
- [ ] Special Approval Form
- [ ] Exhibits and Attachments

If Modification request, please verify and provide the following:

Contractor’s Name:

Contractor’s Address:

Contractor’s e-mail Address:

Contractor’s Phone Number:

Contractor’s Contact Person:

PROFESSIONAL SERVICES SUPPLEMENTAL CHECKLIST

- [ ] Detailed description of project listing obligations of each party.
- [ ] The Schedule of Compensation
- [ ] Deliverables
- [ ] Request for individual contract services (if applicable)
- [ ] The appropriate EPS form
- [ ] ITSC (approved by BIS)
- [ ] OBM (approved by Budget form/memo)
- [ ] Grant document attached

Attach any documentation indicating any previous purchase activity to assist in the procurement process

TELECOMMUNICATIONS AND UTILITIES SUPPLEMENTAL CHECKLIST

Required Attachments: Detailed Scope of Services/Specification which sets forth all of the anticipated services and products the user department wants provided, including time frame for completion, special qualifications of prospective vendors, special requirements or needs of the project, locations, anticipated participating user departments, citation of any applicable City ordinance or state/federal regulation or statute.

Has the project been reviewed by BIS? [ ] Yes [ ] No

Attach copy of BIS Recommendation, Reservation(s); or participate under current contract.

Does the project include software? [ ] Yes [ ] No

If yes, is signed ITSC form attached? [ ] Yes [ ] No

Does the location involve:
- [ ] A public way?
- [ ] Any concession in the City’s facilities?

Is it anticipated City Council approval of the project or contract will be required? [ ] Yes [ ] No
DPS PROJECT CHECKLIST

WORK SERVICES/FACILITY MAINTENANCE SUPPLEMENTAL CHECKLIST

Required Attachments: Detailed Specifications (Scope of Services) including detailed description of the work locations (with supporting detail), user department contacts, work hours/days, laborer/supervisor mix, compensation and price escalation considerations, Bidder’s qualification, contract term and extension options, Contractor’s qualifications, citation of any applicable City/State/Federal statutes or regulations, citation of any applicable technical standards and Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate.

Risk Management:
Will services be performed within 50 feet (50’) of CTA train or other railroad property? ☐ Yes ☐ No

Will services be performed on or near a waterway? ☐ Yes ☐ No

Will services require the handling of hazardous/bio-waste material? ☐ Yes ☐ No

Will services require the blocking of streets or sidewalks which may affect public safety? ☐ Yes ☐ No

If Modification or Amendment request, please verify and provide the following:

Contractor’s Name:

Contractor’s Address:

Contractor’s e-mail Address:

Contractor’s Phone Number:

Contractor’s Contact Person:
**DELIVER TO:**

072-2005 30 LASALLE
30 N. LA SALLE ST.
ROOM 2500
Chicago, IL  60602

**REQUISITION:** 34686
**PAGE:** 1
**DEPARTMENT:** 72 - DEPARTMENT OF ENVIRONMENT
**PREPARER:** Lynn Jackson
**NEEDED:**
**APPROVED:** 8/10/2007

**REQUISITION DESCRIPTION**
Solo Source Contract for Chicago By Products Synergy
**SPECIFICATION NUMBER:** 59558

**COMMODITY INFORMATION**

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<th>GENRL</th>
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<td>76,410.00</td>
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</table>

**REQUESTED BY:** Lynn Jackson

**LINE TOTAL:** 76,410.00

**REQUISITION TOTAL:** 76,410.00

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Where a commodity is for a particular or unique use other than standard quality, grades, color, size or other characteristics, give details of how it will be and for what purpose.

Requisitions prepared incorrectly will be returned to the using department.
MEMORANDUM

To: Valerie Morton, Supervisor of Accounting
    Special Accounts Division
    Department of Finance

From: Delia Rollins
    Grants Research Specialist
    Administrative, Fiscal and Communications

Re: Grant Agreement and Budget Summary
    USEPA: Chicago Byproducts Synergy: $84,900
    Grant Period: 1/1/07 - 12/31/07

Date: November 27, 2006

I am attaching the budget summary and fully executed grant agreement from the US Environmental Protection Agency for the above grant. The Department of Environment was awarded $84,900 to conduct the program. The grant period is January 1, 2007 through December 31, 2007.

Would you please assign a fund number and reporting category at your earliest convenience.

Should you have any questions or require additional information please contact me at 4-3643. We appreciate your assistance.

Enclosures: Budget Summary

cc: Claire Woolley
October 24, 2006

Karen Sykes
EPA GRANT SPECIALIST
Assistance Section, MC-10J
77 West Jackson Blvd.
Chicago, Il 60604-3507

RE: GREAT CITIES PARTNERSHIPS - CITY OF CHICAGO
Chicago Byproducts Synergy Project
Grant Number X100e00401-0

Dear Ms Sykes:

Enclosed is the Grant Agreement referenced above, as signed by Commissioner Sadhu A. Johnston for the City of Chicago, Department of Environment.

If you need additional information please contact the project manager, Claire Wooley at (312)744-8908.

We appreciate your support.

Sincerely,

Renzi Boswell
Department of Environment

Enclosure

cc: Claire Wooley
U.S. ENVIRONMENTAL PROTECTION AGENCY

Cooperative Agreement

RECIPIENT TYPE: Municipal

RECIPIENT:
City of Chicago
30 N. LaSalle Str., Suite 2500
Chicago, IL 60602
EIN: 36-6005820

PROJECT MANAGER
CLAUDE WOOLEY
30 N. LaSalle Str., Suite 2500
Chicago, IL 60602
E-Mail: CLAIRE.WOOLLEY@CITYOFCHICAGO.ORG
Phone: 312-744-3608

EPA PROJECT OFFICER
George Stone
77 West Jackson Blvd., B-19J
Chicago, IL 60604-3507
E-Mail: Stone. George@epa.gov
Phone: 312-889-7517

EPA GRANT SPECIALIST
Karen Sykes
Assistant Section, MC-10J
E-Mail: sykes.karen@epamail.epa.gov
Phone: (312) 889-7517

PROJECT TITLE AND DESCRIPTION
CITY OF CHICAGO - SYNERGY PROJECT - REGIONAL GEOGRAPHIC INITIATIVE (GERAT CITIES PARTNERSHIP)
The project will reduce industrial waste by transforming these outputs into industrial inputs. This is the concept of byproduct synergy. Unlike waste exchanges, byproduct synergy proceeds on the recognition that the acceptance of one entity's waste as a feedstock for another takes more than simply announcing its availability. Rather, it is a relationship-building and networking process between individuals and companies.

BUDGET PERIOD
01/01/2007 - 12/31/2007

PROJECT PERIOD
01/01/2007 - 12/31/2007

TOTAL BUDGET PERIOD COST
$213,967.00

TOTAL PROJECT PERIOD COST
$213,967.00

NOTICE OF AWARD
Based on your application dated 05/24/2006, including all modifications and amendments, the United States acting by and through the US Environmental Protection Agency (EPA), hereby awards $213,967.00. EPA agrees to cost-share 49.92% of all approved budget period costs incurred up to and not exceeding total federal funding of $84,900. Such award may be terminated by EPA without further cause if the recipient fails to provide timely affirmation of the award by signing under the Affirmation of Award section and returning all pages of this agreement to the Grants Management Office listed below within 21 days after receipt, or any extension of time, as may be granted by EPA. This agreement is subject to applicable EPA statutory provisions. The applicable regulatory provisions are 40 CFR Chapter 1, Subchapter B, and all terms and conditions of this agreement and any attachments.

ISSUING OFFICE (GRANTS MANAGEMENT OFFICE)

U.S. EPA Region 5
Mail Code MCG10J
77 West Jackson Blvd.
Chicago, IL 60604-3507

AWARD APPROVAL OFFICE

U.S. EPA, Region 5
Office of Science, Ecosystems, and Communities
77 West Jackson Blvd., B-19J
Chicago, IL 60604-3507

THE UNITED STATES OF AMERICA BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY

SIGNATURE OF AWARD OFFICIAL

Cyndy Colantoni, Acting Assistant Regional Administrator for Resources

Management Division

DATE
6/21/06

AFFIRMATION OF AWARD

BY AND ON BEHALF OF THE DESIGNATED RECIPIENT ORGANIZATION

SIGNATURE

DATE
6/23/06

TYPED NAME AND TITLE
SADHU JOHNSTON, COMMISSIONER

DATE
<table>
<thead>
<tr>
<th>Table A - Object Class Category (Non-construction)</th>
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award and approved by EPA no later than 30 days thereafter.

b) Ensure to the fullest extent possible that at least the FY 2006 “fair share” objective [see a] above of Federal funds for prime contractors or subcontracts for supplies, construction, equipment or services are made available to organizations owned or controlled by socially and economically disadvantaged individuals, women and historically black colleges and universities.

c) Include in bid documents “fair share” objectives of 2006 fair share percentage [see a] above and require all of its contractors to include in their bid documents for subcontracts the negotiated fair share percentages.

d) Follow the six affirmative steps stated in 40 CFR 30.44(b) 40 CFR 31.36(e), 35.3145(d), or 35.6580, as appropriate.

e) For assistance awards for continuing environmental programs and assistance awards with institutions of higher education, hospitals and other non-profit organizations, submit an EPA Form 5700-52A, “MBE/WBE Utilization Under Federal Grants, Cooperative Agreements and Interagency Agreements” to the EPA Award Official by October 30 of each year.

f) In the event race and/or gender neutral efforts prove to be inadequate to achieve a fair share objective for MBE/WBEs, the recipient agrees to notify EPA in advance of any race and/or gender conscious action it plans to take to more closely achieve the fair share objective.

g) Until the recipient has completed its fair share negotiations with EPA, it agrees to maintain state Agency’s fair share objectives. Once the recipient has completed its fair share negotiations with EPA, it will apply those objectives. The recipient also agrees to include in its bid documents the applicable FY 2006 “fair share” objectives and require all of its prime contractors to include in their bid documents for subcontracts the applicable FY 2006 “fair share” percentages and to comply with paragraphs (c) through (e) above.

5. ONE YEAR GRANT

A final Financial Status Report (FSR) must be submitted 90 days after the end of the budget and project periods. The final FSR must be submitted to the EPA Grants Specialist as identified on page one of this Assistance Agreement.

6. PROCUREMENT OF RECYCLED PRODUCTS

STATE AGENCIES AND POLITICAL SUBDIVISIONS:
Any State agency or agency of a political subdivision of a State which is using appropriated Federal funds shall comply with the requirements set forth in Section 6002 of the Resource Conservation and Recovery Act (RCRA) (42 U.S.C. 6962). Regulations issued under RCRA Section 6002 apply to any acquisition of an item where the purchase price exceeds $10,000 or where the quantity of such items acquired in the course of the preceding fiscal year was $10,000 or more. RCRA Section 6002 requires that preference be given in procurement programs to the purchase of specific products containing recycled materials identified in guidelines developed by EPA. These guidelines are listed in 40 CFR 247.

7. PUBLIC ACCOMMODATION

The recipient agrees to ensure that all conference, meeting, convention, or training space funded in whole or in part with Federal funds, complies with the Hotel and Motel Fire Safety Act of 1990.

8. RECYCLED PAPER

In accordance with EPA Order 1000.25 and Executive Order 13101, Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition, the recipient agrees to use recycled paper for all reports which are prepared as a part of this agreement and delivered to EPA. This requirement does not apply to reports prepared on forms supplied by EPA, or to Standard Forms, which are printed on recycled paper and are available through the General Services Administration. Please note that Section 901 of E.O. 13101, dated September 14, 1998, revoked E.O. 12873, Federal Acquisition, Recycling, and Waste Prevention in its entirety.
In accordance with 40 C.F.R. § 31.40 (d), the recipient agrees to inform EPA as soon as problems, delays or adverse conditions become known which will materially impair the ability to meet the outputs/outcomes specified in the assistance agreement work plan.
Sadhu A. Johnston, Commissioner  
City of Chicago  
Department of Environmental  
Twenty-fifth Floor  
30 North LaSalle Street  
Chicago, IL  60602-2575

Subject: Great Cities Partnerships - City of Chicago  
Chicago Byproduct Synergy Project  
Grant Number X100E00401-0

Dear Mr. Johnston:

I am pleased to offer the City of Chicago this assistance award in the amount of $84,900 in response to your application dated July 5, 2006. This Great Cities Partnerships award provides funding to support the city's establishment of a byproduct synergy network of industrial companies.

The enclosed assistance agreement supports activities funded under the Resource Conservation Recovery Act (RCRA) of the 1976 statutory authority. The regulatory requirements are in accordance with 40 Code of Federal Regulation (CFR) Parts 31.

The assistance agreement is enclosed in duplicate. After reviewing the assistance agreement, please indicate your acceptance by signing both documents in the space provided. Retain one for your records and return the other copy to this office within 21 days of receipt of this letter to the attention of: Acquisition and Assistance Branch (MC-10J). If you have any questions, please contact the Project Officer identified on page one of the assistance agreement.

We are looking forward to working with the City on this “Waste-to-Profit” project and other Great Cities Partnerships projects to promote sustainability and foster environmental protection in Chicago.

Sincerely yours,

[Signature]

Cyndy Cifantoni  
Acting Assistant Regional Administrator  
for Resource Management

Enclosures
operations. It is also part of a network of similar centers through the country dedicated to helping manufacturers. This Manufacturing Extension Partnership is part of the National Institute of Standards and Technology in the U.S. Department of Commerce.

CMC will be using the Waste Management and Research Center (WMRC) as its technical consultant. WMRC, a division of the Illinois Department of Natural Resources, assists Illinois industries, businesses, and citizens to reduce and manage waste.

The other project partner is the United States Business Council for Sustainable Development (USBCSD). This not for profit association of businesses creates and delivers value-driven sustainable development projects.

Both CMC and the USBCSD have strong existing contacts with the United Kingdom Business Council for Sustainable Development (UKBCSD). The project will therefore also benefit from the UKBCSD’s expertise and direct experience with byproduct synergy.

*Project Partners Expertise*

Both the City and CMC have extensive experience with conducting projects that have a grant-funded component. DOE is currently in receipt of at least 10 federal grants and is undertaking various projects as a result. The City has an excellent track record of delivering grant-funded projects on time and within budget. It is able to so given the rigorous internal processes that it has in place to ensure that projects are progressing in accordance with agreed expectations. For example, a monthly spreadsheet is compiled by all City departments in receipt of a grant and submitted to the City’s Department of Budget and Management. DOE also has further tracking measurables assigned to each significant project, which includes those that are grant-funded.

CMC’s mission statement is to “deliver innovative solutions that drive client growth and the competitiveness of manufacturing and related industries”, “to demonstrate green manufacturing as a global strategic advantage” and also “lead a knowledge exchange among our clients, partners and investors.” In the last decade, CMC’s experts have assisted over 3,000 Chicago-area manufacturers. These first hand experiences in manufacturing combined with the expertise of the 2,000 advisors across the Manufacturing Extension Partnership network means that the project can draw on a team of professionals that have encountered and solved most manufacturing challenges. CMC is part federally funded under the auspices of the U.S Department of Commerce as so is subject to extensive federal accountability processes.

WMRC, who will be providing technical assistance to CMC, has recently conducted a byproduct synergy feasibility study in the Calumet area.

The USBCSD and the UKBCSD have several years experience in helping both large and small companies divert waste from landfills and create new market for those streams. More specifically, the USBCSD successfully established a functioning byproduct synergy network in Kansas City involving mostly larger sized companies, while the UKBCSD
Project Linkages to USEPA Objectives etc

More generally, the project is directly related to many of the goals, objectives and environmental priorities set out in EPA's Strategic Plan, the Regional Plan, and Region 5 challenges. In particular, the project correlates with Objective 3.1: Preserve Land, Subobjective 3.1.1.

Preserve the Land While Strengthening Business

The concept of byproduct synergy simultaneously addresses two constant concerns across the United States, namely reducing the impact of industry on the land and strengthening the financial capacity of local industries through efficiency strategies. The intersection of solutions to these two problems can be found in the project.

Increase Materials and Energy Recovery from Wastes Otherwise Requiring Disposal

The project will increase materials and energy recovery via the reuse process. This will mean that the same will not be wasted nor disposed creating harm to the environment and so contributing towards the preservation of land.

Reduce the Generation and Disposal of Industrial Byproducts

The key objective of the project is to reduce the generation of waste by transforming it into resources (feedstock). This will reduce the amount of virgin raw material that is required for feedstock. This transformation process is made possible by the network that the project will establish.

Demonstrate Innovation

The project aims to demonstrate an innovative approach to waste management.

Ensure Transferability

It is also an objective of the project that the network is replicable and transferable. Should the project prove successful both environmentally and fiscally, the approach demonstrated by the network could easily become a national best practice for industrial waste reduction.

6. Methods to Achieve Project Objectives

The following methods will be employed to achieve the project objectives:

Partnering and Networking

- The project will greatly benefit from the joint ventures of the project partners who all bring unique expertise and experience to the project.
Project Communications

- The project will have an ongoing outreach program. Two manufacturing community ‘aggregators’ who represent networks of small manufacturers will be used to facilitate this. These are likely to be the Industrial Council of Nearwest Chicago and the Chicago Southland Economic Development Corporation. This will be a trial attempt at incorporating elements of the NISP methodology into this country (i.e. by involving smaller companies). However, it is noted that because the United Kingdom has a different business and regulatory environment it is not known at this stage how many of the elements of NISP will be transferable here.
- A communications plan will be prepared. Given that the network is intended to serve as a model to other businesses, communication of the intent of the project, the progress of the project against its metrics, and also its outputs is critical.
- The project can also be championed by the City’s existing business networks included via World Business Chicago (WBC), CMC’s involvement in the national Manufacturing Extension Partnership and the Great Lakes Partnership, and the USBCSD’s extensive membership base.
- The project outcomes will also be available on websites maintained by the Great Lakes Partnership and the USBCSD.

7. Project Schedule: Deliverables, Targets and Milestones

Timeline

The start date for the project is May 1, 2006 with a completion date of December 31, 2007. This will require an aggressive outreach program to gain company involvement. It is noted that some initial scoping has already taken place with possible target sectors of metalworking and food processing companies.

Project Phasing

The Project will run in three phases, namely:

Phase One - Feasibility, Outreach, and Targeting: The information collection and facilitation phase to explore potential opportunities for byproduct synergies.

Phase Two - Data Collection and Analysis: Facilitation and assistance including a thorough analysis of waste streams of the 10-25 target companies to better assess their potential for involvement in the network.

Phase Three - Implementation/Network Creation: The creation of the network with a minimum of 15 synergies and the implementation of at least five of these.

Deliverables

Anticipated deliverables include:
resiliency. Many of these metrics are also being tracked in the Kansas City project and the NISP.

Each company in the network will be measured in all the following three areas. Additional environmental criteria for tracking the implementation may also be added pending the discovery process in Phase One.

**Sustainability**

- Materials diversion – tons of solid waste diverted from landfill (reduced municipal solid waste)
- Reduced CO$_2$ and other greenhouse gas emissions
- Replaced coal
- Provide alternative fuel
- Reduced water supply
- Improve wastewater quality
- Reduce hazardous waste
- Reduced health risk
- Cost reduction
- Cost avoidance

**Community Economic Development**

- Jobs retained
- Jobs created
- Open new markets
- Productivity

**Resiliency**

- Resiliency productivity - increased by regional supply chain
- Resiliency time - ability for companies to return to normal operations after disruptions
- Reduced reliance on infrastructure
- Reduced regulation
- Improved land utilization
- Reduction of transport of hazardous materials

The project metrics will be collected by WMRC in accordance with the USBCSD byproduct synergy process, which was employed in the Kansas City project. Each company in the network will therefore collect the data in the same format. Furthermore, the proposed site visits by WMRC will further ensure that there is high data quality and consistent collection of the same.
- 25% required match for REM program
- NIST funding

<table>
<thead>
<tr>
<th></th>
<th>Phase One</th>
<th>Phase Two and Three</th>
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<td>Project participants: company participation fees</td>
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</table>

See form SF 424A and the budget narrative for more detailed budgetary information.

11. Sustainable Expectation

As noted above, a key objective of the project is to successfully demonstrate the concept of byproduct synergy in order to serve as a model to expand the network or establish further networks. It is also a project objective to do the preparatory work needed to support the case for a national federally funded program, such as the NISP.

In terms of the network itself, it should be able to continue through company participation fees paying for program management and technical services. This has been the experience in the Kansas City project.

12. Summary

The project will have clear fiscal benefits for participating companies as well environmental benefits. This is not only in the reduction of waste by employing the reuse process but also the assistance that this will provide to the preservation of land given the reduced environmental impacts and the reduced use of virgin raw materials for industrial feedstock.

The project partners are committed to carefully measuring and communicating all these benefits in order to maximize the project’s potential to serve as the genesis for better industrial waste management in the region.
Wan received her bachelor's degree in material science engineering from the University of Illinois in Champaign-Urbana.

**United States Business Council for Sustainable Development**

**Andrew Mangan**

Andrew Mangan is co-founder and executive director of the USBCSD, a non-profit association of businesses launched in 2002 whose purpose is to create and deliver value driven sustainable development projects in the United States. Projects are member-led and designed to create value through economic returns and environmental and social benefits. US BCSD is a partner organization of the World Business Council for Sustainable Development (World BCSD), a global network of 180 international companies with members drawn from 30 countries and 20 major industrial sectors. The World BCSD plays a leading role in shaping the global business response to the challenges of sustainable development. The US BCSD plays a complimentary role by implementing projects in the United States that apply sustainable development principles to real world problems.

From 1999 to 2002, Mr. Mangan served as president of Applied Sustainability LLC, an award-winning industrial ecology services firm that implemented projects in North America and the United Kingdom. Prior to his work with the USBCSD, he served as deputy commissioner with the Texas General Land Office and as a congressional correspondent for the Associated Press. Mr. Mangan holds a masters degree from Columbia University Graduate School of Journalism, where he also attended the Columbia School of International and Public Affairs as an International Fellow. He currently serves on the board of the Center for Clean Air Policy, is a member of the Education Committee for the International Society of Industrial Ecology, and a member of the Advisory Committee for the Environmental Science Institute at the University of Texas at Austin.
MEMORANDUM

TO: Barbara Lumpkin  
Chief Procurement Officer  
Department of Procurement Services

FROM: Sadhu A. Johnston  
Commissioner  
Department of Environment

ATTN: Monica Cardenas

DATE: May 17, 2006

RE: No Stated Goal Request: Chicago Manufacturing Center

Introduction

The Department of Environment (DOE) is requesting ‘No-Stated Goal’ for the professional services agreement with Chicago Manufacturing Center (CMC). CMC will be assisting DOE with a Waste to Profit Network project (the Project). The use of Minority Business Enterprises or Women Owned Business Enterprises for this specialized effort is impracticable and therefore DOE considers that a waiver of these requirements is appropriate.

Chicago Manufacturing Center

CMC is a Chicago-based, not for profit organization that “helps manufacturers help themselves to solve business problems.” It is also part of a network of similar centers through the country dedicated to assisting manufacturers. This Manufacturing Extension Partnership is part of the National Institute of Standards and Technology in the U.S. Department of Commerce.

Proposed Project

The Project will reduce industrial waste by transforming industrial waste into industrial inputs by utilizing the concepts of byproduct synergy. The key outcome of the Project will be the creation of a network of industrial users who will turn their waste streams into revenue streams, which could also serve as a model for the creation of further networks. This type of project has been conducted in only one other US city (Kansas City) and has never been conducted before in Chicago. It is exceptionally innovative and will require highly specialized expertise.
Reasons Supporting the Waiver

CMC has the necessary specialized expertise

CMC’s focus is to assist Chicago industry and therefore has unique contacts with the industrial community, which will be needed for the success of the Project. CMC also has specialized staff with expertise in the industrial sector including with solid waste management.

CMC has unique expert subcontractors

The Project is predicated on a unique approach to minimizing industrial solid waste. This approach was developed principally by the United States Business Council for Sustainable Development (USBCSD) although it remains largely untested in this country. However a very successful program has been established in the United Kingdom with the assistance of the United Kingdom Business Council for Sustainable Development (UKBCSD). USBCSD will be a subcontractor to CMC and the UKBCSD has offered its extensive program materials to CMC for a minimal fee.

CMC will also be using the Waste Management and Research Center (WMRC) as its technical consultant. WMRC, a division of the Illinois Department of Natural Resources, assists Illinois industries, businesses, and citizens to reduce and manage waste. WMRC has agreed to assist CMC at a modest fee.

CMC has project funding

CMC is almost certain to receive a substantial State grant for the Project from the Illinois Department of Commerce and Economic Opportunity via the REM program. The Project will be greatly enhanced by this additional funding and will also mean that the City money in the Project will be leveraged.

Conclusion

For the above reasons, DOE considers that CMC is a necessary project partner and that a waiver of MBE/WBE requirements is appropriate for the Project.

If you have any questions, please contact Michael Woods, Managing Deputy Commissioner at (312) 744-9131.

Thank you in advance for your assistance.

cc: Michael Woods
    Claire Woolley
June 5, 2006

George Stone, Project Officer
Office of Science, Communities and Ecosystems
Community Ecosystem Projects Section (B-19J)
77 West Jackson Boulevard
Chicago, IL 60604-3590

RE: Chicago Byproduct Synergy Project
Grant Application
City of Chicago Department of Environment

Dear Mr. Stone:

Enclosed is the signed original plus two (2) copies of the grant application for the City of Chicago Department of Environment's Chicago Byproduct Synergy Project.

I have also enclosed a copy of the current Indirect Cost Proposal and Single Audit Report for the City of Chicago.

If you need additional information, please contact the project manager, Claire Woolley at (312) 744-8908.

Thank you for your consideration of this application.

Sincerely,

[Signature]

Delia Rollins
Grants Research Specialist
Administration

Enclosures

✓ cc: Claire Woolley
## Application for Federal Assistance

### 1. Type of Submission
- [ ] Construction
- [ ] Non-Construction

### 2. Date Submitted

### 3. Date Received by State

### 4. Date Received by Federal Agency

### 5. Applicant Information
- **Legal Name:** City of Chicago
- **Organizational DUNS:** 02-0946406
- **Address:** 30 N. LaSalle Street, Suite 2500, Chicago, Cook, IL 60602
- **Country:** USA
- **Employee Identification Number (EIN):** 31660055820

### 8. Type of Application
- [ ] New
- [ ] Continuation
- [ ] Revision

### 9. Name and Telephone Number of Person to be Contacted on Matters Involving This Application (Give Area Code)
- **Prefix:** Ms.
- **First Name:** Claire
- **Middle Name:** S.
- **Last Name:** Woolley
- **Suffix:**
- **Email:** claire.woolley@cityofchicago.org
- **Phone Number:** (312) 744-8908
- **Fax Number:** (312) 744-6451

### 10. Catalog of Federal Domestic Assistance Number:
- **Number:** 66308

### 11. Descriptive Title of Applicant's Project:
- Chicago Bypoduct Synergy Project

### 12. Areas Affected by Project (Cities, Counties, States, etc.):
- City of Chicago

### 13. Proposed Project
- **Start Date:** 1/1/2007
- **Ending Date:** 12/31/2007

### 14. Congressional Districts of:
- **Applicant:** 1-7, 9, 11
- **Project:** 1-7, 9, 11

### 15. Estimated Funding
- **Federal:** $84,900.00
- **Applicant:** $100,000.00
- **State:** $
- **Local:** $
- **Other:** $
- **Program Income:** $
- **Total:** $184,900.00

### 16. Is Application Subject to Review by State Executive Order 12372 Process?
- [ ] Yes
- [ ] No

### 17. Is the Applicant Delinquent on Any Federal Debt?
- [ ] Yes
- [x] No

### 18. To the Best of My Knowledge and Belief, All Data in This Application-Preapplication are True and Correct. The Document Has Been Duly Authorized by the Governing Body of the Applicant and the Applicant Will Comply with the Attached Assurances If the Assistance is Awarded.
- **Authorized Representative**
  - **Prefix:** Mr.
  - **First Name:** Sadhu
  - **Last Name:** Johnston
  - **Phone Number:** (312) 744-7609
  - **Date Signed:** May 24, 2006
- **Authorized for Local Reproduction**

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**Standard Form 424 (Rev. 8-2003)**
**Prescribed by OMB Circular A-102**
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**SECTION B - BUDGET CATEGORIES**

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**SECTION D - BUDGET REPORT**

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**SECTION E - BUDGET REVISION**

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**SECTION F - BUDGET SUPPORT**

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Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.

2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

4. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. 4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM’s Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VII of the Civil Rights Act of 1968 (42 U.S.C. 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. 1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
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<thead>
<tr>
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<th>2. Status of Federal Action:</th>
<th>3. Report Type:</th>
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<td>a. bid/offer/application</td>
<td>a. initial filing</td>
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<tr>
<td>b. grant</td>
<td>b. initial award</td>
<td>b. material change</td>
</tr>
<tr>
<td>c. cooperative agreement</td>
<td>c. post-award</td>
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<tr>
<td>d. loan</td>
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<td>e. loan guarantee</td>
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<td>f. loan insurance</td>
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<tr>
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<th>5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime:</th>
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<td>Congressional District, if known:</td>
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<th>6. Federal Department/Agency:</th>
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<table>
<thead>
<tr>
<th>7. Federal Program Name/Description:</th>
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<tr>
<td>CFDA Number, if applicable:</td>
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<tr>
<th>8. Federal Action Number, if known:</th>
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<th>9. Award Amount, if known:</th>
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<table>
<thead>
<tr>
<th>10. a. Name and Address of Lobbying Registrant</th>
</tr>
</thead>
<tbody>
<tr>
<td>(if individual, last name, first name, MI):</td>
</tr>
</tbody>
</table>

| b. Individuals Performing Services (including address if different from No. 10a) |
| (last name, first name, MI):                                                       |

<table>
<thead>
<tr>
<th>Signature:</th>
<th>Print Name: Sadhu A. Johnston</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Title: Commissioner</td>
</tr>
<tr>
<td></td>
<td>Telephone No: 312-744-7609</td>
</tr>
<tr>
<td></td>
<td>Date: 5/24/06</td>
</tr>
</tbody>
</table>

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made of entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less that $10,000 and not more than $100,000 for each such failure.

Federal Use Only:
II. Brief description of proposed project, program or activity.

The Chicago Byproduct Synergy project will reduce industrial waste by transforming these outputs into industrial inputs (byproduct synergy). The key outcome of the project will be the establishment of a byproduct synergy network of industrial companies.

III. Are any civil rights lawsuits or complaints pending against applicant and/or recipient? If yes, list those complaints and the disposition of each complaint.

See Attachment

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
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<tbody>
<tr>
<td>x</td>
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</table>

IV. Have any civil rights compliance reviews of the applicant and/or recipient been conducted by any Federal agency during the two years prior to this application for activities which would receive EPA assistance? If yes, list those compliance reviews and status of each review.

See Attachment

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
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<tbody>
<tr>
<td>x</td>
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</table>

V. Is any other Federal financial assistance being applied for or is any other Federal financial assistance being applied to any portion of this project program or activity? If yes, list the other Federal Agency(ies), describe the associated work and the dollar amount of assistance.

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
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<td>x</td>
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</table>

VI. If entire community under the applicant's jurisdiction is not served under the existing facilities/services, or will not be served under the proposed plan, give reason why.

Not applicable.

VII. Population Characteristics

<table>
<thead>
<tr>
<th></th>
<th>Number of People</th>
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</thead>
<tbody>
<tr>
<td>Population of Entire Service Area</td>
<td>3,000,000 +</td>
</tr>
<tr>
<td>Minority Population of Entire Service Area</td>
<td>1,500,000 +</td>
</tr>
<tr>
<td>Population Currently Being Served</td>
<td>3,000,000 +</td>
</tr>
<tr>
<td>Minority Population Currently Being Served</td>
<td>1,500,000 +</td>
</tr>
<tr>
<td>Population to be Served by Project, Program or Activity</td>
<td>3,000,000 +</td>
</tr>
<tr>
<td>Minority Population to be Served by Project, Program or Activity</td>
<td>1,500,000 +</td>
</tr>
<tr>
<td>Population to Remain Without Service</td>
<td>0</td>
</tr>
<tr>
<td>Minority Population to Remain Without Service</td>
<td>0</td>
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</table>

VIII. Will all new facilities or alterations to existing facilities financed by these funds be designed and constructed to be readily accessible to and usable by handicapped persons? If no, explain how a regulatory exception (40 CFR 7.70) applies. Not applicable.

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
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</tbody>
</table>

IX. Give the schedule for future projects, programs or activities (or of future plans), by which services will be provided to all beneficiaries within applicant's jurisdiction. If there is no schedule, explain why.

The ultimate goal is that this network serves as the genesis for further networks in Chicago and the wider Midwest region by successfully demonstrating the byproduct synergy concept and stimulating corporate interest in this innovative approach to waste management. Possibilities for public funding of a wider byproduct synergy program will also be explored as part of the project.

X. I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

<table>
<thead>
<tr>
<th>Signature of Authorized Official</th>
<th>Title of Authorized Official</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Commissioner</td>
<td>May 24, 2006</td>
</tr>
</tbody>
</table>

Authorized EPA Official

EPA Form 4706-4 (Rev 1-90) Previous editions are obsolete.
1. Introduction

The City of Chicago (the City), via its Department of Environment (DOE), will be undertaking the Chicago Byproduct Synergy Project (the project). The project will reduce industrial waste by transforming these outputs into industrial inputs. This is the concept of byproduct synergy. Unlike waste exchanges, byproduct synergy proceeds on the recognition that the acceptance of one entity’s waste as a feedstock for another takes more than simply announcing its availability. Rather, it is a relationship-building and networking process between individuals and companies.

The key outcome of the project will be the establishment of a byproduct synergy network of industrial companies. The ultimate goal is that this network serves as the genesis for further networks in Chicago and also the wider Midwest region by successfully demonstrating the byproduct synergy concept and therefore stimulating corporate interest in this innovative approach to waste management. Possibilities for public funding of a wider byproduct synergy program will also be explored as part of the project.

2. Need for the Project

Dealing with waste, albeit in landfills, in the air, or in water systems is a challenge for every major urban center in the United States. The City’s response has been to adopt an integrated approach to waste management and in keeping with this is currently preparing a strategic plan for Chicago to be a ‘zero waste city’. Industrial sources produce a significant portion of the waste stream in Chicago. Therefore, reducing these wastes, including by transforming them into positive uses, will be a key factor in enabling the City to reach its overarching zero waste goal.

3. Project Partners

The City, a local government entity, will be working with partners that have both the expertise and experience to ensure that the project is successful.

The City’s principal partner is the Chicago Manufacturing Center (CMC). CMC helps manufacturers help themselves to solve business problems. In order to do so, CMC works with economic development organizations in the six-county Chicago metropolitan area to promote manufacturing in general and specifically to help improve business
developed the only national byproduct synergy project in the world (i.e. the National Industrial Symbiosis Program (NISP)). Unlike the Kansas City network, participants in the NISP include both small and large companies and participate at no cost. The project will greatly benefit from being able to draw on these organizations’ expertise and resources. In terms of the latter, the project partners have already reached agreement on the access to and use of NISP program resources and materials for a modest fee.

See Attachment A for biographical details of the project partners’ principal project managers.

3. Project Participants

It is intended that the network consist of companies that are located within Chicago city limits. However, there may be generators or users of certain waste flows located outside Chicago city limits whose involvement would benefit the network. So, while the project’s focus is on supporting City companies, optimum network operation may likely result in companies outside city limits being included. Also, for a variety of reasons, the project will focus on securing the participation of larger companies in the network. However, outreach will continue thorough-out the project so that the opportunity for smaller companies to fit into the network is still possible in the future, where this is optimal. This is what is referred to as the project’s ongoing outreach program.

The project is predicated on the basis that project participants will pay a participation fee. This fee will be minimal and there will be differential pricing for larger/smaller companies. This approach was employed successful in the Kansas City project in that it did not present a barrier to participation and in fact appeared to galvanize companies’ commitment to exploring possible synergies.

5. Project Objectives

The project partners have developed the following specific objectives for the project, namely:

- Successful demonstration of the value of the by-product synergy process.
- Explore the synergy between the United Kingdom (i.e. the NISP program) and United States (i.e. Kansas City) models.
- Identify a minimum of 15 synergies and initiate implementation of five synergies during the first 18 months of the project.
- Implement a government funded byproduct synergy program in the region.
- Define metrics that capture government and industry interests.
- Seek opportunities to publicize the success of the Chicago Byproduct Synergy Project.
- Create a byproduct utilization culture in the region.
• The project partners will have clearly defined roles, which will be formalized in the services contracts and a memorandum of understanding. The latter will address issues such as intellectual property, decision-making processes and change management. CMC will act as the program director and be responsible for organizing and coordinating all the elements of network development. USBCSD will share its byproduct synergy tools and methodology and assist with outreach and the facilitation of project participants. The City will play an ongoing outreach and general facilitation role through the project.

• The project partners will primarily rely on their existing networks to identify the potential for successful synergies and target appropriate companies.

• The intention is to also involve other government, NGO and academic communities, as and when practicable. For example, databases from the United States Environmental Protection Agency (USEPA), the Great Lakes Commission and other government and trade association sources will be used to assist in the collection of information needed to profile the region’s industrial base. The City’s Industrial Rebuild Program, which has provided energy and waste audits to local companies for the last four years, will also provide useful data.

• Project funders, including the Department of Commerce and Economic Opportunity (DCEO), will be regularly updated on project progress.

• The City will work with the Illinois Environmental Protection Agency, the regulatory agency, to avoid any barriers to the project’s success.

Demonstrate Innovation

• The project will be an innovative synthesis of proven processes from the Kansas City project and the NISP. The project will therefore make use of the best of existing models for informed dialogue on specific waste streams that provide the highest profit potential at the lowest cost to implement, while meeting environmental goals and metrics.

• Chicago is already a model of vital industrial resources that other Midwest cities seek to emulate. The establishment of this type of innovation in Chicago will likely be emulated elsewhere.

Measuring

• The project will measure activities, outcomes, and impacts. Comprehensive measuring will also help achieve the goal of extending the network beyond its initial participants. See section 8 below for more details on the proposed measurement strategies.

Project Management

• The project partners will have a monthly update meeting. Minutes of these monthly meetings will also be provided to project stakeholders (including the USEPA).
Phase Three - Implementation/Network Creation: The creation of the network with a minimum of 15 synergies and the implementation of at least five of these.


deliverables

Anticipated deliverables include:

- Preparation of project information material, including a project brochure;
- A communications plan;
- Data analysis and research to identify optimal target companies;
- Outreach to optimal target companies;
- Informational session for potential participating companies jointly hosted by the City, WBC, and the Chicago Chamber of Commerce (to be confirmed);
- ‘Kick-off meeting’ with all potentially participating companies;
- Securing participating companies via the payment of an associated participation fee;
- Technical assistance to participating companies to help explore and identify potential synergies. This will include at least five site visits;
- Two working meetings with the participating companies to further secure the necessary network transaction agreements and further refine practicalities;
- Individual meetings with participating companies as necessary to answer questions and ensure that metrics are collected;
- ‘Mind-maps’ of byproduct synergies (i.e. graphic representations of all the company material flows and relationships) to be used principally for the ongoing outreach program (if such disclosure is agreed to by the network participants);
- A final report on the project including the environmental and economic development metrics, a summary of byproduct synergies realized and those under development, and a final project mind map of synergies created;
- Fulfillment of project reporting requirements of the project partners;
- Publicity;
- Creation of a strategic plan for after project completion i.e. 2008 and beyond to continue the network, expand the network and/or to create new networks.
- Alternative sources of funding to do this will also be explored; and
- Monthly synergy reports for six months after project completion.

Project Schedule

See Attachment B for the detailed project schedule.

8. Measuring Project Outcomes

The project will track and measure environmental, economic, and social outcomes. This is important also for reaching the ultimate project goal, namely that this first network serves as the genesis for further networks in Chicago and also the wider Midwest region by successfully demonstrating the byproduct synergy concept.
the proposed site visits by WMRC will further ensure that there is high data quality and consistent collection of the same.

More specifically, and for the purposes of determining the project’s potential impact, the post project estimates for reduced weight of materials is 20,000 tons per year. In addition, the project would result in $3 million in reduced operating costs and $1.5 million in increased sales. Thirty manufacturing jobs will be potentially retained or created (assuming $50,000 per annum/employee).

The environmental, economic and resilience metrics will be addressed in the final project report.

9. Environmental Outcomes

In terms of environmental outcomes, the project will ensure that the reuse process inherent in the byproduct synergy concept reduces the volume of disposed waste. This will also reduce the amount of virgin material required to be the feedstock for the industrial processes involved in the network. Not only is this likely to have a marked effect on the economics of the companies involved, it will also have a beneficial impact on the environment and contribute to the preservation of land from which raw materials are won and to which wastes are disposed. Furthermore, based on the results of the Kansas City project, reductions in CO₂ into the atmosphere and other environmental improvements can also be anticipated.

Link Between Environmental Outcomes and Funding

The Great Cities program will support the project by partially funding to cover the last 8-10 months of project expenses i.e. Phases Two and Three. Other funding for these phases will come from the City and participation fees. The Great Cities program funding is therefore critical to ensure that at least five byproduct synergies are identified and implemented, which will in turn help reach the project’s anticipated environmental outcomes.

10. Budget

The total project cost is $384,098.

Project funding will come from five principal sources:

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<th>Timing</th>
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<td>Phases One, Two and Three</td>
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<tr>
<td>City of Chicago: USEPA Great Cities Program grant (to be confirmed)</td>
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<td>Phases Two and Three</td>
</tr>
<tr>
<td>DCEO Resource Expansion and Modernization Program (to be confirmed)</td>
<td>$82,500</td>
<td>Phase One</td>
</tr>
</tbody>
</table>
Attachment A

Project Team Partners: Principal Project Managers

The following are the credentials of the project’s principle project managers:

City of Chicago Department of Environment

David O’Donnell

David O’Donnell has a Masters Degree in Urban Planning and Public Policy from the University of Illinois at Chicago where his studies emphasized environmental policy and economics. Mr. O’Donnell worked closely with the Northeastern Illinois Planning Commission on regional water policy issues while at UIC while his master’s thesis outlined green building strategies for affordable housing developers in Chicago. He also received a Bachelor of Science from Northwestern University in 1993.

Prior to joining the City, Mr. O’Donnell worked as a consultant for a variety of strategic business consulting firms. He developed corporate marketing, product design, and technology integration strategies for a range of corporate clients including many Fortune 500 companies.

Claire Woolley

Ms. Woolley is the Director of Project Development in the Urban Renewal and Brownfields Redevelopment division in the City’s Department of Environment. She is also Taskforce Leader of the Green Business Taskforce. She holds a law degree and a Masters in Environmental Studies. Ms. Woolley has spent the most part of her career practicing in the corporate and environmental law fields assisting clients with regulatory affairs and resource use strategies, both in New Zealand and the United Kingdom. Ms. Woolley has more recently been the commercial manager of an R&D renewable energy company and corporate solicitor for the market administrator of the New Zealand Wholesale Electricity Market. Before joining the City in 2004, she was the program director of the Renewable Energy (Large-Scale) Program for the Energy Efficiency and Conservation Authority, a New Zealand government agency.

Chicago Manufacturing Center

Karen Wan

Ms. Wan has acted in numerous technology and marketing roles over the last 20 years and has built a strong foundation of strategic consulting expertise in technology transfer and communications. She led new product introduction teams at IBM, served as a technical writing team leader and webmaster at Ameritech (now SBC), and provided marketing and writing consultancy services to companies such as Castrol Industrial, Andersen Consulting (now Accenture) and a broad range of entrepreneurial firms. Ms.
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<td>Fri 4/28/06</td>
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<td>2</td>
<td><strong>Phase I - Targeting companies</strong></td>
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<tr>
<td>3</td>
<td>Prepare Project Information</td>
<td>Mon 6/5/06</td>
<td>Fri 12/29/06</td>
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<tr>
<td>4</td>
<td>Initial scoping meeting with USBCSD, CMC, City of</td>
<td>Mon 6/5/06</td>
<td>Fri 12/29/06</td>
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<td>5</td>
<td>Ten signed commitments to Waste to Profit Network</td>
<td>Wed 5/17/06</td>
<td>Fri 12/29/06</td>
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<td>6</td>
<td>UKBCSD scoping meeting/train consultants</td>
<td>Wed 11/1/06</td>
<td>Fri 12/29/06</td>
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<td>7</td>
<td>Educational material development</td>
<td>Wed 5/17/06</td>
<td>Fri 12/29/06</td>
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<td>8</td>
<td>Strategex company targeting</td>
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<td>Tue 6/20/06</td>
<td>Tue 8/31/06</td>
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<td>10</td>
<td><strong>Phase II - Data Collection and Analysis</strong></td>
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<td>Wed 11/15/06</td>
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<td>Outreach: Plant visits and reporting</td>
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<td>Fri 5/25/07</td>
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<td>15</td>
<td>Final report of synergies</td>
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<td>Mon 6/2/08</td>
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<td>18</td>
<td>Advisory Council review of synergies</td>
<td>Mon 7/2/07</td>
<td>Mon 12/31/07</td>
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<td>19</td>
<td>Third group working meeting</td>
<td>Fri 7/27/07</td>
<td>Fri 7/27/07</td>
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<td>20</td>
<td>Fourth group working meeting</td>
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<td>Fri 9/21/07</td>
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<td>Synergy reports</td>
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<td>Fri 11/16/07</td>
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<td>32</td>
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<td>Mon 6/5/06</td>
<td>Mon 11/6/05</td>
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<td>33</td>
<td>EPA Update (Karen copies team)</td>
<td>Mon 6/5/06</td>
<td>Mon 12/4/06</td>
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<td>34</td>
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<td>Mon 6/5/06</td>
<td>Mon 12/4/06</td>
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<tr>
<td>36</td>
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<td>Mon 6/5/06</td>
<td>Mon 9/3/07</td>
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</table>
USEPA Region 5 Great Cities Program
Budget Narrative

Project Title: The Chicago Byproduct Synergy Project
Applicant: City of Chicago: Department of Environment
AOR: Delia Rollins
Primary Contact: Claire Woolley, claire.woolley@cityofchicago.org, (312) 744 8908 (ph), (312) 744 6451 (fax)

Project Budget

The total project cost is $384,098. Project funding will come from five principal sources:

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>Amount</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td>City of Chicago: corporate funds</td>
<td>$100,000</td>
<td>Phases One, Two and Three</td>
</tr>
<tr>
<td>City of Chicago: USEPA Great Cities Program grant (to be confirmed)</td>
<td>$84,900</td>
<td>Phases Two and Three</td>
</tr>
<tr>
<td>DCEO Resource Expansion and Modernization Program (to be confirmed)</td>
<td>$82,500</td>
<td>Phase One</td>
</tr>
<tr>
<td>Chicago Manufacturing Center: NIST funding</td>
<td>$81,455</td>
<td>Phases One, Two and Three</td>
</tr>
<tr>
<td>Project participants: company participation fees</td>
<td>$50,000 (exact amount to be confirmed i.e. depends on numbers of network participants)</td>
<td>End of Phase One and Phase Two</td>
</tr>
</tbody>
</table>

As above, the Great Cities program funding will be applied to Phases Two but mainly Phase Three. Therefore, it will be start to be used in the project from January 2007.

In terms of more specific budget information about Phase Three where the bulk of Great Cities Program funding will be applied:

<table>
<thead>
<tr>
<th>Organization</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Management and Research Center</td>
<td>$6,500</td>
</tr>
<tr>
<td>Chicago Manufacturing Center</td>
<td>$29,132</td>
</tr>
<tr>
<td>United States Business Council for Sustainable Development</td>
<td>$40,800</td>
</tr>
<tr>
<td>City of Chicago</td>
<td>$8,490</td>
</tr>
</tbody>
</table>

*Water Management and Research Center*

Water Management and Research Center (WMRC) will provide technical consulting to better identify the byproduct synergies through out the project.
CITY OF CHICAGO, ILLINOIS

DEPARTMENT OF ENVIRONMENT

INDIRECT COST PROPOSAL

FISCAL YEAR 2005
City of Chicago, Illinois

Single Audit Reports
Year Ended December 31, 2004
# APPLICATION FOR FEDERAL ASSISTANCE

**1. TYPE OF SUBMISSION**
- [ ] Construction
- [ ] Non-Construction
- [x] Pre-application
- [ ] Construction
- [ ] Non-Construction

## Applicant Identifier

<table>
<thead>
<tr>
<th>Date Submitted</th>
<th>Applicant Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Received by State</th>
<th>State Application Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Received by Federal Agency</th>
<th>Federal Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Legal Name
- City of Chicago

## Organizational DUNS
- 02-0946406

## Address
- Street: 30 N. LaSalle Street, Suite 2500
- City: Chicago
- County: Cook
- State: IL
- Zip Code: 60602
- Country: USA

## Employer Identification Number (EIN)
- 36-6005820

## Type of Application
- [ ] New
- [ ] Continuation
- [x] Revision

## Type of Applicant
- [ ] Municipal
- [ ] Other (specify)

## Name of Federal Agency
- U.S. Environmental Protection Agency

## Descriptive Title of Applicant's Project
- Chicago Byproduct Synergy Project

## Catalog of Federal Domestic Assistance Number
- 66-808

## Title
- Solid Waste Management Grant

## Areas Affected by Project
- City of Chicago

## Proposed Project

<table>
<thead>
<tr>
<th>Start Date</th>
<th>Ending Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/1/2007</td>
<td>12/31/2008</td>
</tr>
</tbody>
</table>

## Estimated Funding

<table>
<thead>
<tr>
<th>Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal</td>
<td>$84,900.00</td>
</tr>
<tr>
<td>Applicant</td>
<td>$129,067.00</td>
</tr>
<tr>
<td>State</td>
<td>$</td>
</tr>
<tr>
<td>Local</td>
<td>$</td>
</tr>
<tr>
<td>Other</td>
<td>$</td>
</tr>
<tr>
<td>Program Income</td>
<td>$213,967.00</td>
</tr>
<tr>
<td>Total</td>
<td>$213,967.00</td>
</tr>
</tbody>
</table>

## Congressional Districts of
- a. Applicant
  - 1, 7, 9, 11
- b. Project
  - 1, 7, 9, 11

## Application Subject to Review
   - [ ] Yes
   - [ ] No

## Program Process
- [x] This Pre-Application Application was Made Available to the State Executive Order 12372 Process for Review On 1/1/2007

## Program Not Covered
- [x] Yes
- [ ] No

## Applicant Delinquent
- [x] Yes
- [ ] No

## Authorized Representative

<table>
<thead>
<tr>
<th>Prefix</th>
<th>First Name</th>
<th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr.</td>
<td>Sadhu</td>
<td>Johnston</td>
</tr>
</tbody>
</table>

## Telephone Number
- (312) 744-7609

## Date Signed
- July 5, 2006

---

Standard Form 474 (Rev 9-2001)
Prescribed by OMB Circular A-102
## SECTION C - NON-FEDERAL RESOURCES

### Section D - Forecasted Cash Needs

<table>
<thead>
<tr>
<th>Quarter</th>
<th>1st Quarter</th>
<th>2nd Quarter</th>
<th>3rd Quarter</th>
<th>4th Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>2023</td>
<td>5129.067'00</td>
<td>5129.067'00</td>
<td>5129.067'00</td>
<td>5129.067'00</td>
</tr>
<tr>
<td>2024</td>
<td></td>
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</tbody>
</table>

### Section E - Budget Estimates of Federal Funds Needed for Balance of the Project

<table>
<thead>
<tr>
<th>Year</th>
<th>1st Quarter</th>
<th>2nd Quarter</th>
<th>3rd Quarter</th>
<th>4th Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>2023</td>
<td>5123.967'00</td>
<td>5123.967'00</td>
<td>5123.967'00</td>
<td>5123.967'00</td>
</tr>
<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### Section F - Other Budget Information

<table>
<thead>
<tr>
<th>Quarter</th>
<th>(a) Grant Program</th>
<th>(b) First</th>
<th>(c) Second</th>
<th>(d) Third</th>
<th>(e) Fourth</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2021</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2022</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>2023</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- All values are in dollars.
- Section F includes a table for future funding periods (years).
- Section D shows anticipated cash needs for the forecasted year.
- Section E details budget estimates for federal funds needed for the balance of the project.