



# List of Qualified Suppliers for Services Related to Integrated Resource Recovery

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## 1.0 Integrated Resource Recovery

Integrated Resource Recovery (IRR) is an approach and set of techniques which can help in reducing a community's greenhouse gas emissions through waste. It is an integrated, whole-systems approach to planning and managing community infrastructure to maximize the recovery of value from waste resources. IRR is a component of [Green Communities](#), a larger initiative within the Ministry of Community & Rural Development.

More information on Integrated Resource Recovery may be found on the Ministry of Community & Rural Development's website, [http://www.cd.gov.bc.ca/lgd/infra/resources\\_from\\_waste.htm](http://www.cd.gov.bc.ca/lgd/infra/resources_from_waste.htm).

## 2.0 Purpose

The purpose of this List is to assist local governments to embark on IRR projects by providing a pre-qualified list of suppliers. The Request for Qualifications (RFQ) was issued in order to determine if there are qualified respondents who can provide planning, advisory, and project management services in the area of [Integrated Resource Recovery](#). Based on the Responses to the RFQ, a List of Qualified Suppliers is provided below. The Province or Local Governments may contact Qualified Suppliers directly, or ask them to compete to enter into a Contract(s) for provision of the services described below under Section 3.0 - Service Area for Integrated Resource Recovery.

## 3.0 Service Area for Integrated Resource Recovery

IRR includes project planning and management skills as well as several types of technical or technological expertise.

For the purposes of this RFQ, Project Planning and Management skills include:

- Opportunity Analysis, including the selection of appropriate technologies and design, and matching available inputs/feedstock with available markets. For example, Community Opportunity Analysis or Multiple Criteria Analysis of resource recovery opportunities. These are used to evaluate the potential in a given community to recover heat, energy, nutrients, water or

revenue from liquid or solid municipal, agricultural or forestry waste.

- Innovative Business Case Development and Project Evaluation. This should include business case planning which evaluates the value of projects beyond simple cost recovery approaches by including new sources of revenue and by incorporating social and environmental benefits of resource recovery (ie. triple bottom line analysis). For example, estimation of revenues and payback period for a project should value improved environmental and public health alongside traditional economic benefits.
- Project Management, including coordinating and obtaining required approvals, and project management of actual construction on time and on budget. For example, effectively managing the construction of an anaerobic digester, including associated building permits and other regulatory approvals.

In addition to these project planning and management skills, Qualified Suppliers must demonstrate technical or technological expertise at a level which allows the selection and/or implementation of technologies appropriate for Integrated Resource Recovery. In this context, Technical Expertise includes one or more of the following systems:

- Anaerobic Digestion of Wet Organic Waste;
- Cogeneration of Electricity and Heat.
- Combustion of Dry Organic Waste;
- Composting of Organic Waste;
- District Energy Systems for Heating and Cooling;
- Gasification of Dry Waste to Synthesis Gas; and
- Nutrient Reclamation from Wastewater;
- Reclamation of Heat and Cold from Wastewater Using Heat Pumps; and
- Wastewater Reclamation (Water Reuse).

Qualified Suppliers may offer services over and above those listed in the RFQ.

#### **4.0 Disclaimer**

All of the Qualified Suppliers listed below have met or exceeded the evaluation criteria set out in the Request for Qualifications. The List is based only on Suppliers who submitted a completed Response. The Province is not promoting or endorsing any of these individuals over others. The corporate or company affiliation of individuals is provided as it relates to contact information. The list is not a ranking of the Qualified Suppliers or Affiliated Companies.

## 5.0 List of Qualified Suppliers

The list is not a ranking of the Qualified Suppliers or Affiliated Companies.

Name of Qualified Supplier	Submitted Company	Service Areas for Integrated Resource Recovery	Contact Information
<b>Konrad Fichtner</b> <b>Piero Galvagno</b> <b>Pertti Laitinen</b> <b>Les Nemeth</b> <b>Milenko Vujicic</b>	AECOM Canada Ltd.	<ul style="list-style-type: none"> <li>• Anaerobic Digestion</li> <li>• Composting</li> <li>• Combustion of dry organic waste</li> <li>• District Energy</li> <li>• Gasification</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> </ul>	Albert Li 6 <sup>th</sup> Floor, 1901 Rosser Ave. Burnaby BC, V5C 6R6  Tel: (604) 298-6181 <a href="mailto:Albert.Li@aecom.com">Albert.Li@aecom.com</a>
<b>Cori L. Barraclough</b> <b>Bruce Douglas</b> <b>David Healy</b> <b>Patrick Lucey</b>	Aqua-Tex Scientific Consulting Ltd.	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Composting</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	Patrick Lucey Suite 201, 3690 Shelbourne Street Victoria BC, V8P 4H2  Tel: (250) 598 0266 <a href="mailto:aqua-tex@islandnet.com">aqua-tex@islandnet.com</a>
<b>Steven S. Clark</b> <b>Michael Greig</b>	Carbon Friendly Solutions Inc.	<ul style="list-style-type: none"> <li>• Project Management</li> <li>• Combustion of dry organic waste</li> </ul>	Steven S. Clark Suite 2320, 555 West Hastings Street Vancouver BC, V6B 4N4 P.O. Box 12022  Tel: (604)676-9792, ext 232 <a href="mailto:sclark@carbonfriendly.com">sclark@carbonfriendly.com</a>
<b>Peter Burrowes</b> <b>Kim Fries</b> <b>Scott Gamble</b> <b>Dan Pitzler</b> <b>Barry Rabinowitz</b> <b>Chuck Smith</b> <b>J. Warren Switzer</b>	CH2M Hill Canada Ltd.	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Anaerobic Digestion</li> <li>• Cogeneration</li> </ul>	John Herbert Suite 2100, 4720 Kingsway Burnaby BC, V5H 4N2  Tel: (604)684-3282 <a href="mailto:John.Herbert@ch2m.com">John.Herbert@ch2m.com</a>

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		<ul style="list-style-type: none"> <li>• Composting</li> <li>• Water reclamation (reuse)</li> </ul>	
<p><b>Gregory Ferraro</b> <b>Tej Gidda</b> <b>Deacon Liddy</b> <b>Rick Mosher</b></p>	<p>CRA Conestoga- Rovers &amp; Associates</p>	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Anaerobic Digestion</li> <li>• Cogeneration</li> <li>• Composting</li> </ul>	<p>Gregory D. Ferraro 110-3851 Shell Road Richmond BC, V6X 2W2</p> <p>Tel: (604)214-0510 <a href="mailto:gferraro@croworld.com">gferraro@croworld.com</a></p>
<p><b>Don L. Bryant</b> <b>Ray T.H. Chu</b> <b>Fuhong (Alan) Dai</b> <b>Dieter Geesing</b> <b>Gary K. Lin</b> <b>Francisco Perello</b> <b>Craig W. Stenhouse</b> <b>David Stropky</b> <b>Cornelius Suchy</b> <b>Stephen Vajda</b> <b>Donald Yen</b></p>	<p>CWA Engineers Inc.</p>	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li> <li>• Anaerobic Digestion</li> <li>• Composting</li> <li>• Combustion of dry organic waste</li> <li>• District Energy</li> <li>• Gasification</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	<p>Ray Chu Suite 223, 4600 Kingsway Burnaby BC, V5H 4L9</p> <p>Tel: (604)526-2275 <a href="mailto:rchu@cwaengineers.com">rchu@cwaengineers.com</a></p>
<p><b>Kirk Stinchcombe</b></p>	<p>Econnics Eco-Efficiency Ltd.</p>	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Water reclamation (reuse)</li> </ul>	<p>Kirk Stinchcombe 1084 Gosper Crescent Victoria BC, V9A 4J3</p> <p>Tel: (250)588-6851 <a href="mailto:kirk@econnics.com">kirk@econnics.com</a></p>

Name of Qualified Supplier	Submitted Company	Service Areas for Integrated Resource Recovery	Contact Information
<b>Paul A. Beauchemin</b> <b>Eric Bibeau</b> <b>Anthony Dickinson</b> <b>Martin Tampier</b>	Envirochem Services Inc.	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li>   <li>• Anaerobic Digestion</li> <li>• Cogeneration</li> <li>• Composting</li> <li>• Combustion of dry organic waste</li> <li>• District Energy</li> <li>• Gasification</li> <li>• Water reclamation (reuse)</li> </ul>	Paul A. Beauchemin 310 East Esplanade North Vancouver BC, V7L 1A4  Tel: (604)986-0233 <a href="mailto:paul@envirochem.com">paul@envirochem.com</a>
<b>Stephen J. Salter</b>	Farallon Consultants Limited	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li>   <li>• Anaerobic Digestion</li> <li>• Cogeneration</li> <li>• Composting</li> <li>• Combustion of dry organic waste</li> <li>• District Energy</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	Stephen J. Salter 2226 Greenlands Road Victoria BC, V8N 1T5  Tel: (250) 370-9664 <a href="mailto:farallon@telus.net">farallon@telus.net</a>
<b>Jonathan Ho</b> <b>Larry Sawchyn</b> <b>Jack Vanier</b> <b>Ray Westerlaken</b> <b>Randy Wunderlich</b>	Fransen Engineering	<ul style="list-style-type: none"> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li>   <li>• Anaerobic Digestion</li> <li>• Cogeneration</li> <li>• Composting</li> <li>• Combustion of dry organic waste</li> <li>• District Energy</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	Larry Sawchyn Suite 210, 3031 Viking Way Richmond BC, V6V 1W1  Tel: (604) 270 7728 <a href="mailto:lsawchyn@fransenengineering.com">lsawchyn@fransenengineering.com</a>

Name of Qualified Supplier	Submitted Company	Service Areas for Integrated Resource Recovery	Contact Information
<b>Helen Goodland</b> <b>Patrick Lucey</b> <b>Stephen J. Salter</b> <b>Alex Zimmerman</b>	Fidelis Resource Group Inc.	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Anaerobic Digestion</li> <li>• Cogeneration</li> <li>• Composting</li> <li>• Combustion of dry organic waste</li> <li>• District Energy</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	Jon O’Riordan 201-3690 Shelbourne Street Victoria BC, V8P 4H2  Tel: (250) 590 3433 <a href="mailto:joriordan@fidelisresources.com">joriordan@fidelisresources.com</a>
<b>Innes Hood</b> <b>Jim Manson</b>	FVB Energy Inc.	<ul style="list-style-type: none"> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Cogeneration</li> <li>• District Energy</li> <li>• Reclamation of heat and cold from wastewater</li> </ul>	Innes Hood 338 East 14th Street North Vancouver BC, V7L 2N6  Tel: (604) 657 7949 <a href="mailto:Innes_hood@shaw.ca">Innes_hood@shaw.ca</a>
<b>Jeff Penny</b>	GE Water and Process Technologies Canada	<ul style="list-style-type: none"> <li>• Water reclamation (reuse)</li> </ul>	David Bingham 3239 Dundas Street West Oakville ON, L6M 4B2  Tel: (905) 465 3030 <a href="mailto:david.bingham@ge.com">david.bingham@ge.com</a>
<b>Ruben Arellano</b> <b>Rachel Bolongaro</b>	Hemmera Energy	<ul style="list-style-type: none"> <li>• District Energy</li> <li>• Reclamation of heat and cold from wastewater</li> </ul>	Ruben Arellano Suite 250, 1380 Burrard Street Vancouver BC, V6Z 2H3  Tel: (604) 669 0424 (431) <a href="mailto:rarellano@hemerra.com">rarellano@hemerra.com</a>
<b>Bud Fraser</b> <b>Sarah Wilmot</b>	HB Lanarc Consultants Ltd.	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> </ul>	Bud Fraser 200-420 West Hastings St. Vancouver BC, V6B 1L1  Tel: (250) 688 9769, ext 118

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		<ul style="list-style-type: none"> <li>• Composting</li> <li>• Water reclamation (reuse)</li> </ul>	<a href="mailto:Bud.fraser@hblanarc.ca">Bud.fraser@hblanarc.ca</a>
<b>Allan Bronsro John Hart Mike Homenuke Chris Johnston Erik Lindquist David Lumb Don Mavinic Sarah Southwell Bill (William) Vaughan</b>	Kerr Wood Leidal Associates Ltd.	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Anaerobic Digestion</li> <li>• District Energy</li> <li>• Nutrient Reclamation from Wastewater</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> </ul>	Chris Johnston 200-4185A Still Creek Drive Burnaby BC, V5C 6G9  Tel: (604)293-3231 <a href="mailto:cjohnston@kwl.ca">cjohnston@kwl.ca</a>
<b>Ray Tarnai Stewart Forbes</b>	Sandwell Engineering Inc.	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Cogeneration</li> <li>• Reclamation of heat and cold from wastewater</li> </ul>	Peter Galbraith 600-855 Dunsmuir Street Vancouver BC, V6C 1N5  Tel: (604)630-7547 <a href="mailto:pgalbraith@sandwell.com">pgalbraith@sandwell.com</a>
<b>Jennifer Sanguinetti Alberto Cayuela Don Davies Dave Engler Daniel Hegg Brian King Ron Macdonald Stuart McCormick David Parsons Mark Pezarro Tom Phelps Lourette Swanepoel Gary Wheating Troy Vassos</b>	Stantec Consulting Ltd.	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Anaerobic Digestion</li> <li>• Cogeneration</li> <li>• Composting</li> <li>• Combustion of dry organic waste</li> <li>• District Energy</li> <li>• Gasification</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	Jennifer Sanguinetti 1100-111 Dunsmuir Street Vancouver BC, V6B 6A3  Tel: (604) 696 8433 <a href="mailto:jennifer.sanguinetti@stantec.com">jennifer.sanguinetti@stantec.com</a>
<b>Kevin Cronin Colin Cronkhite</b>	Stantec Consulting	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li> </ul>	Reno Fiorante 10 <sup>th</sup> Floor, 13401-108 <sup>th</sup> Ave.

Name of Qualified Supplier	Submitted Company	Service Areas for Integrated Resource Recovery	Contact Information
<b>Bob Dawson</b> <b>Reno Fiorante</b> <b>Richard Grey</b> <b>Tony Hamill</b> <b>George Hutchinson</b> <b>Darrin Mayo</b> <b>Vaselin Milosevic</b> <b>Tom Phelps</b> <b>Janine Ralph</b> <b>Rob Simm</b>	Ltd.	<ul style="list-style-type: none"> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Anaerobic Digestion</li> <li>• Cogeneration</li> <li>• Composting</li> <li>• Combustion of dry organic waste</li> <li>• District Energy</li> <li>• Gasification</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	Surrey BC, V3T 5T3  Tel: (604)587-8402 <a href="mailto:reno.fiorante@stantec.com">reno.fiorante@stantec.com</a>
<b>Mark Teshima</b> <b>Mike Van Ham</b> <b>Denise Vieira</b>	Sylvis Environmental	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Composting</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	Todd Baker 427 Seventh Street New Westminster BC V3M 3L2  Tel: (604) 777-9788 <a href="mailto:tbaker@sylvis.com">tbaker@sylvis.com</a>
<b>Trevor Butler</b> <b>James Donnelly</b> <b>John Dumbrell</b> <b>Peter Gigliotti</b> <b>Joanne Harkness</b> <b>Dylan Houlihan</b> <b>Dan Huang</b> <b>Don Nash</b> <b>Chris Town</b>	Urban Systems Ltd. and Archineers Consulting	<ul style="list-style-type: none"> <li>• Opportunity Analysis</li> <li>• Project Management</li> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Anaerobic Digestion</li> <li>• Cogeneration</li> <li>• Composting</li> <li>• Combustion of dry organic waste</li> <li>• District Energy</li> <li>• Gasification</li> <li>• Reclamation of heat and cold from wastewater</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	Don Nash 304 – 1353 Ellis Street Kelowna BC V1Y1Z9  Tel: (250) 352-9774 <a href="mailto:dnash@urban-systems.com">dnash@urban-systems.com</a>

Name of Qualified Supplier	Submitted Company	Service Areas for Integrated Resource Recovery	Contact Information
<p><b>David Jackson</b> <b>Dragan Rokic</b></p>	<p>Worley Parsons Canada</p> <p>Infrastructure &amp; Environment Division</p>	<ul style="list-style-type: none"> <li>• Innovative business case development (including Triple Bottom Line Analysis)</li> <li>• Water reclamation (reuse)</li> <li>• Nutrient reclamation from wastewater</li> </ul>	<p>Dragan Rokic Infrastructure &amp; Environment Division 106, 2780 Veterans Memorial Parkway Victoria BC, V9B 3S6</p> <p>Tel: (250) 384 1499 <a href="mailto:Dragan.Rokic@WorleyParsons.com">Dragan.Rokic@WorleyParsons.com</a></p>

## 6.0 Further Information

Local governments seeking more information about the RFQ may contact the Ministry of Community & Rural Development through the contact information below.

**Jodi Dong**

Senior Planner

Intergovernmental Relations & Planning Division

Ministry of Community & Rural Development

Tel: 250-356-0173

[Jodi.Dong@gov.bc.ca](mailto:Jodi.Dong@gov.bc.ca)