

ACE SPECIAL BULLETIN



AIR & WASTE MANAGEMENT
ASSOCIATION

THE YP CONNECTION

Volume 3, Special Edition

June 2010

Notes from Monica

From the News Committee Vice Chair

Monica Sandoval, Williams Companies

It's that time of the year again!

We your humble servants at the YPAC thought that, with ACE right around the corner, we'd interrupt your regularly scheduled

programming, and provide some information on the upcoming events. We've been working hard to collaborate and provide to you the most up to date information about the events and activities at ACE 2010. A special Thank-You goes out to Laurie Bates-Frymel for all her help in putting the Special Bulletin together. There are some great opportunities to get involved. Hope to see you there!



A Special Welcome from Joe

From Joe Lukacs

**General Conference Chair of ACE 2010
President and CEO, CETAC-WEST**

Some 45 years ago, when I would have qualified as a young professional in the pollution control field, I was given a difficult task solving some challenging issues at one of Alberta's power generating plants. At that time there was no relevant experience in this field in Western Canada. A friend of a friend suggested that I consider attending the then-called Air Pollution Control Association (APCA - now A&WMA) Annual Conference in San Francisco and seek out the right experts for that advice.

I went to the conference and in that one week I learned an incredible amount. All the people I needed to meet – the decision-makers, the policy-makers, the movers and shakers – were at this conference. It brought together all the different sectors of the environmental community that move environmental knowledge and solutions forward.

Those five days in San Francisco not only gave me the contacts and tools to successfully solve the very complex problems at the plant, but they changed my whole career and life. I became a member of the Association, organized the first major Western Canada PNW (Pacific

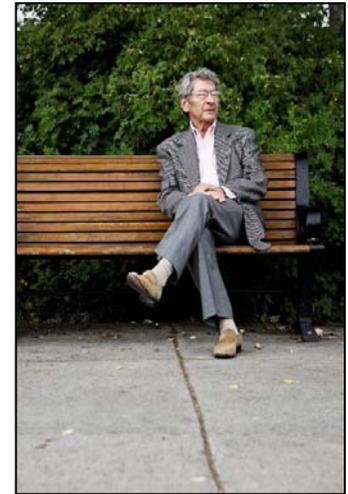
Northwest) sector meeting in Calgary in 1971 (that hosted some 1000 attendees) and became a director of the APCA.

Along the way, I built one of the most successful environmental services companies in Canada (Western Research), pioneered the development of the first Continuous Emissions Monitoring Systems (now CEMs) and several other process monitoring and control instruments still used worldwide in the oil and gas

processing sector, and built the first integrated hazardous waste management plant in Canada.

This is why you need to come to ACE 2010! It is an opportunity for you to meet the key players in the industry, build on your knowledge and, most importantly, develop your network. I hope to meet you personally at the YP/Student Social on June 23rd!

-- Joe



Can't come to Calgary? You can still participate!!

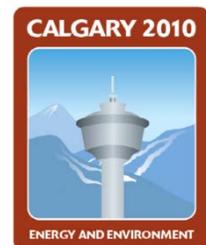
We recognize that it's not always possible for our members to attend A&WMA's Annual Conference, but here are two ways you can still be a part of this exciting event:

Browse this newsletter and **submit your questions for the Keynote speakers**. Several questions for Premier Stelmach and Minister Prentice will be taken from this exclusive YP online survey:

http://survey.constantcontact.com/survey/a07e2vkrer_sg8su4fdt/start

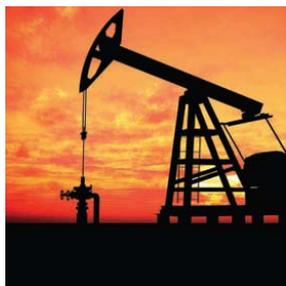
Follow along on Twitter. You can stay in touch with what's going on at ACE 2010 by signing up to the ACE2010 YP Twitter page:

<http://twitter.com/ACE2010YPs>



103rd Annual Conference & Exhibition

The Air & Waste Management Association's (A&WMA) Annual Conference & Exhibition (ACE) heads to Calgary this year for what is sure to be one of our most impressive programs yet. Join us to hear the most up to date environmental information available in over 500 paper and 100 poster presentations that will make this year's technical program. Networking with colleagues and



make new contacts while checking out the best of Calgary during planned networking and social events, and see the latest in environmental technology and innovation in the expansive exhibit hall.

ACE 2010 will cover a vast range of environmental

topics, so no matter what part of the field you work in you'll be sure to leave Calgary with a wealth of applicable new knowledge. This year's technical program is built around the broad but critically important theme "Energy and Environmental," and will examine how the world will address the fast growing demand for energy.

If you are going to ACE, there are tons of opportunities for fun, learning, networking, volunteering, and once again, fun.



YP Welcome: Tuesday June 22 – 11:00am -12:00pm

Join your fellow YP's from around the world gathering to get the inside scoop on important ACE events and happenings.

Getting to Know the ACE 2010 Keynote Speakers

The Local Host Committee has lined up two high-profile keynote speakers that you won't want to miss! Here's a peak into the careers of these important politicians.

Ed Stelmach – From Farmer to Premier

Adapted from www.wikipedia.org

Photo Credit: Szmurlo

Ed Stelmach was born in 1951 and raised on a farm near [Lamont, Alberta, Canada](#). He spent his entire pre-political adult life as a farmer, but also studied at the [University of Alberta](#). His first foray into politics was a 1986 municipal election, when he was elected to the county council of Lamont County. After several years as reeve (mayor) of Lamont County, Stelmach was elected as the Member of the Legislative Assembly for Vegreville-Viking in 1993. A [Progressive Conservative](#), he served in the cabinets of former Premier [Ralph Klein](#) at various times holding the



portfolios of Intergovernmental Relations, Transportation, Infrastructure, and Agriculture, Food, and Rural Development.

In an upset victory over former provincial treasurer [Jim Dinning](#), Stelmach was elected leader of the conservative party and Premier of Alberta in 2006. Stelmach's premiership has been heavily focused on

management of the province's oil reserves, especially those of the [Athabasca Oil Sands](#). He has rejected calls from environmentalists to slow the pace of development in the [Fort McMurray](#) area and has opposed calls for [carbon taxes](#). With the advent of the late-2000s recession, Stelmach has had to cope with a deteriorating economic situation and the Alberta government's first budget deficit in 16 years.

Check out the following YouTube videos of the Premier answering questions from Twitter about energy and the environment:

www.youtube.com/watch?v=gm6LXXPf5qo

www.youtube.com/watch?v=G9mRFP1LyEA

Jim Prentice – Lawyer and Politician

Adapted from www.wikipedia.org and www.ec.gc.ca

Photo Credit: Government of Canada

Jim Prentice was born in 1956 near [Timmins, Ontario, Canada](#), but his family eventually moved to [Alberta](#).

Prentice went to the [University of Alberta](#) and [Dalhousie University](#). He paid for his tuition by working as a coal miner in the summer months for seven years.



In 2004 Prentice was elected to the [Canadian House of Commons](#) as the Member of Parliament for the riding of Calgary Centre-North. [Conservative Party of Canada](#) Leader and Prime Minister [Stephen Harper](#) appointed Prentice Minister of Indian Affairs and Northern Development in 2006 and then Minister of Industry in 2007. After the 2008 election, Prentice became Minister of Environment.

A lawyer by profession, Prentice has specialized in property rights and has focused on relocations, environmental protection suits and restricted development areas.

Mr. Prentice is responsible for Canada's participation in the Clean Energy Dialogue established by President [Barack Obama](#) and Prime Minister Stephen Harper, for Canada's role in international Climate Change negotiations, and for Canada's involvement in the 2009 Major Economies Forum convened by President Obama. Check out a recent interview with Minister Prentice on Canada's Late Night Talk Show "The Hour" with [George Stroumboulopoulos](#):

www.cbc.ca/thehour/video.html?id=1440866205

Intro to Alberta Oil Sands – Part 1

Adapted from www.oilsandsdiscovery.com

Alberta's oil sands contain the biggest known reserve of oil in the world. An estimated 1.7 to 2.5 trillion barrels of oil are trapped in a complex mixture of sand, water and clay. There are three main areas of oil saturated sand deposits in Alberta -- Peace River, Cold Lake and



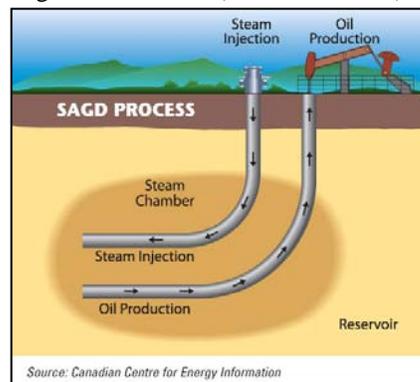
Athabasca. The Athabasca area is the largest and closest to the surface, accounting for the large-scale oil sands development around [Fort McMurray](#).

Oil sands are usually mined using two techniques: *in situ* and open pit mining. Open pit mining begins by clearing trees, draining and storing the overburden and then removing this top layer of earth to expose the ore body. Enormous trucks and

shovels work day and night, every day of the year to retrieve the oil sands. The oil sands are then mixed with hot water, creating a "slurry", which is transported from the mine to the extraction plant in hydro transport pipelines. The slurry is fed into a separation vessel where it separates into three layers - sand, water and bitumen. The bitumen is then skimmed off the top to be cleaned and processed further. Secondary recoveries are made with the middling's zone of the separation vessels to return the smaller quantities of bitumen that would otherwise flow to the tailings ponds.

About 80% of the oil sands in Alberta are buried too deep below the surface for open pit mining. In these cases, oil is recovered by *in situ* ("in place") techniques. Using drilling technology, steam is injected into the deposit to heat the oil sand lowering the viscosity of the bitumen. The hot bitumen migrates towards producing wells,

bringing it to the surface, while the sand is left in place. Current challenges facing *in situ* processes are efficient recoveries, management of water used to make steam, and co-generation of all (otherwise waste) heat sources to



minimize energy costs. Other methods of *in situ* recovery look promising, and are in research stages of development. Some oil companies pipe their bitumen south in diluted

form for upgrading at other refineries. Others produce either a single high quality synthetic crude oil or multiple petroleum products to suit market feedstock demand.

There is not debate that oil sands recovery, extraction and transport leaves a significant environmental footprint including open pit mine holes, process water dykes, pipelines, air emissions and tailings ponds. However, lease agreements require oil companies to reclaim the land to a self-sustaining, productive state. The Alberta Government also

requires environmental monitoring programs and communication with stakeholders, including environmental groups and

aboriginal people. [Premier Ed Stelmach](#) recently demanded oil sands producers eliminate wet tailings ponds within a few years. Although improvements in environmental stewardship have been made, huge challenges remain.

If weather and political powers permit, a few members of the YPAC will be given the opportunity of a lifetime. Along with several politicians and executives, they will fly 750 kilometres (466 miles) north of Calgary for a private tour of [Suncor Energy's](#) Athabasca Oil Sands operations. Stay tuned for Part 2 of this article in the next issue of the YP Connection, as we follow them on this exciting tour!



Canadianisms 101

For those who will be travelling to ACE 2010 from far off lands, we've compiled some tidbits of information that might be useful during your trip, especially as conversation starters! First, you may see some words in this newsletter that appear misspelled, but are in fact

correctly spelled here in Canada. Some examples of "Canadian" spelling include:

Modelling,
Travelling,
Cancelled,
Catalogue,
Cheques,
Neighbour,
Colour, Odour, Vapour, Centre, Kilometre, Litre,
Theatre...



When you get here, you may notice that Canadian signs are:

In Metric. Canada officially switched to the Metric system in 1971. Think kilograms, grams, kilometres, metres, centimetres, litres, millilitres...



Bilingual. That's because Canada has two official languages - English and French. However, the majority of people in Calgary speak English.

In Canada, temperature is reported in **Celsius**. To convert Celsius to Fahrenheit in your head, *double it and then add 32*. This will give you the temperature within a few degrees of accuracy.

Other terminology you may find useful in Calgary:

A Canuck = A Canadian

Z (the letter) = Zed

Loonie = Canadian one dollar coin (because it has a picture of a loon on the backside)

Twoonie = Canadian two dollar coin

C-Train = Calgary's light rapid transit system (free within the downtown core)

Washroom = Bathroom, restroom

Serviette = Table napkin

Toque = Ski hat

Pop = Soda

Rye = Whiskey

A Caesar = A cocktail invented in Calgary in 1969 which contains vodka, clamato (a blend of tomato juice and clam broth), Worcestershire sauce and Tabasco sauce, served on the rocks in a



large, celery salt-rimmed glass, typically garnished with a stalk of celery

Timbits and a double-double from Timmy's =

Doughnut holes and a coffee with two sugars and two creams from Tim Horton's (a staple Canadian coffee and doughnut shop)

Smarties = Candy-coated chocolate sweets (similar to M&Ms in the United States)

A Hoser = An uncouth, beer-swilling male (popularized by Bob & Doug McKenzie). Bob and Doug also popularized the myth that all Canadians constantly use the word "Eh?".

Rest assured, even if you have trouble converting to metric or can't remember any of these terms, a friendly Calgarian will always be close by to lend you a helping hand.



Others Green With Envy? Canada's Energy Capital Ranked World's Top Eco-City

Bill Graveland

The Canadian Press, May 26, 2010

The bustling epicentre of Canada's energy industry is being heralded as the top ecological city in the world by a prestigious international think-tank.

The Mercer Quality of Living Survey released Wednesday ranked Calgary No. 28 on its overall quality-of-living list, but gave the city top spot in a new ecology ranking.

Calgary, home to the vast majority of Canada's head offices for the oil and gas sector, narrowly edged out Honolulu and Ottawa for first place out of 320 cities considered in the evaluation. The "eco-city" ranking includes criteria such as water availability, water potability, waste removal, sewage, air pollution and traffic congestion.

The latter two would probably come as a surprise to many Calgary motorists who battle daily bumper-to-bumper traffic snarls and see the brown haze of pollution, which hangs over the city's main north and south highway and all points east.

"In one way it's confirmation of what we suspected, but given the breadth of the survey and the number of cities being included, we've done surprisingly well," said Ald. Bob Hawkesworth. "I know that as we've been implementing new initiatives we know we've been leading the pack in many ways."

Hawkesworth said Calgary has received a bad rap internationally, largely because of its economic reliance on the oil and gas industry, which is one of its major

employers and a chief source of the city's vaunted economic prosperity.

"We can't allow ourselves to be painted into a corner of being the bad guys on the environment because people in the oilpatch, people in local government, people all across the province are concerned about the environment as much as anyone else in the world."

However, Calgary isn't quite as lily white environmentally as the survey would suggest, said Byron Miller, a University of Calgary geography professor, who specializes in urban planning and sprawl.

"Frankly the Mercer eco-city ranking strikes me as being quite odd in terms of what they're measuring," Miller said. "The ranking looks at six things. When you focus on those six things it's not surprising that Calgary would come out pretty high.

"Water availability is not an issue here. We have very good quality water. Sewage treatment is a non-issue. We produce

plenty of air pollution, but it all blows east so we don't suffer from it because we're on the plains and the wind takes it out.



Traffic congestion — even though we complain about it — it's not as bad as most other cities of our size."

Miller is puzzled why things such as per capita energy use would not be considered or the problem of urban sprawl. Calgary ranks far worse than much larger cities such as New York on that front.

"Look at measures such as eco-footprint measures — we don't do nearly as well. There was a study done in 2005 comparing the eco-footprints of a number of Canadian cities and we came out the worst," he said.

Calgary's director of environmental and safety management, David Day, said the city has always done well with water quality and acknowledges the criteria used by Mercer are pretty specific.

"I think that the work we're doing in terms of water treatment, water conservation and the quality of the water — those are the kind of leading indicators that Mercer is interested in its quality of life ratings," noted Day.

But Calgary cannot rest on its laurels, Day said. Although things like air quality are still quite good, more has to be done to deal with Calgary's eco-footprint.



"When you drive into Calgary you know what you're looking at. Calgary's out there many days with a brown smog and as the city has grown the amount of fuels and hydrocarbons we've been burning has exceeded the increases in efficiency.

"We know we have to address this greenhouse gas, eco-footprint thing."

Free Classes for YPs

Professional Lessons on Leadership

Tuesday, June 22 • 1:00 p.m. – 5:00 p.m.

Wednesday, June 23 • 8:00 a.m. – 12:00 p.m.

Practical Lessons on Leadership – This half day workshop focuses on providing the young professional with practical leadership training for use in their personal, professional and volunteering life.

What is it about some leaders that make them so magnetic and attractive that people are drawn to them? What are the keys to inspiring others to achieve more than they ever dreamed possible? A framework of skills and competencies is reviewed that should be at the core of every leader. The workshop includes lectures and interactive activities that will help the participants better understand leadership, themselves and others as well as provide tools for improving ones leadership skills.

The workshop is presented by Jim Donnelly, QEP. Jim has more than 35 years of experience working in the fields of air pollution control, waste management, site remediation, health & safety and quality. He has held positions in engineering, technical and project management, research and development, as well as sales and training. He has been an active member of A&WMA for more than 33 years serving a Technical Coordinating



Committee Chair, Technical Council Division Chair, Technical Council Waste Group Coordinator, Education

Council Professional Development Division Chair and Vice Chair of the Golden West Section. Jim has taught a number of the Environmental Practices Review courses for A&WMA as well as a number of HSE workshops. He is also a past Board Member and Past President of the Institute of Professional Environmental Practice. Jim holds a BS (1971) in Chemistry and a MA in Leadership (2007). He is an avid fisherman, a former Marine, a black belt in Shotokan Karate and an MSHA instructor.

Career Panel Discussion: Energizing Your Environmental Career

Wednesday, June 23 • 12:00 – 1:00 p.m.

Telus Convention Centre, Calgary

Join us as YP leaders from government, industry, consulting, and a non-profit multi-stakeholder association share their career



experiences thus far and provide other YPs with suggestions for revitalizing their career paths. Panellists will include:

Kerra Chomlak - Executive Director, [Clean Air Strategic Alliance](#)

Wally Qiu - Air Quality Specialist, [Stantec](#)

Sunny Cho - Air Emissions Research Specialist, [Alberta Environment](#)

Rosanna Ng, P.Eng. Environmental Specialist - Air Issues, [Talisman Energy Inc.](#)

Julie Sharp Resume Critique

Wednesday, June 23 • 9:00 - 11:00 a.m.

Thursday, June 24 • 2:00 - 4:00 p.m.



Bring your resume with you to ACE and Join Julie Sharp, Associate Professor, Vanderbilt University, for a free resume critique. Hear great tips that may help you land your next job!

Sharp'en Your Oral Presentation Skills

Wednesday, June 23 • 2:00 – 4:00 p.m.

Thursday, June 24 • 9:00 – 11:00 a.m.

ACE attendees are invited to join Julie Sharp, Ph.D., Associate Professor, Vanderbilt University, for a free workshop that will focus on delivery techniques for oral presentations; organizing the oral presentation; and creating effective visual aids.

Young Professionals Advisory Council Meeting

Date: Tuesday June 22

Time: 5:30-6:30 pm MT

Where: Calgary, Canada

1. Please join my meeting.

<https://www1.gotomeeting.com/join/353846601>

2. Use your microphone and speakers (VoIP) - a headset is recommended. Or, call in using your telephone.

U.S. & Canada (toll-free): 1 877 739 5902

Access Code: 353-846-601



Audio PIN: Shown after joining the meeting

Meeting ID: 353-846-601

The Young Professional Advisory Council (YPAC) is a new Council created in 2009 to advise the A&WMA Board and other Councils regarding services and activities that will meet the needs of today's young environmental professionals. All YP's are invited to join YPAC for their annual meeting to hear about the YPAC's latest initiatives and to get involved with this exciting group.

Opportunities to Get Involved with Other Councils during ACE

Education Council

The Education Council is very pleased to welcome and encourage Young Professionals to be a part of and get involved with the functioning of the Ed Council.

There are several Education Council programs and initiatives in which YP's might want to become involved! Of course, there is always the opportunity to teach a course or coordinate a Webinar. Courses and Webinars might even be specifically geared toward YP's. There are several programs for students at the ACE, including the Master's Thesis / Doctoral Dissertation awards, Platform Paper Awards, Student Poster Competition, and even the scholarship program. These programs often need judges to review submissions. We also hold an annual High School Essay program, which might also be of interest.

Finally, there are volunteers needed to help review and revise the Association's Environmental Education Resource Guides. These guides were developed for teachers as a resource for teaching environmental principles in the classroom.

Ed Council meets 8:30 – 12:00 pm on Tuesday

YPs are welcome to attend this meeting. YP Steve Rybolt will be there, so if you're interested in attending the Ed Council meeting, look for him for additional details.

Technical Council

Anyone can join a Technical Coordinating Committee (TCC). All you need is interest. The TCCs will welcome new members with open arms.

Technical Council provides the technical expertise to determine and produce the technical programs at annual meetings and specialty conferences; report on state-of-the-art technology and on environmental issues; and peer-review articles and publications. The Council is divided into three groups: Air, Environmental Management, and Resource Conservation and Waste Management. These groups are comprised of 12 divisions; the divisions are further divided into technical coordinating committees (TCCs). It is at this level that members are rewarded with the most opportunities for technical and managerial exchange. To become involved in one or more of the TCCs, attend one of the committee meetings here in Calgary, or contact the appropriate TCC chair. The Technical Council organizational chart and officer names can be found in the conference final program or online at www.awma.org/about/tech_council

Technical Council Meeting

- Monday, June 21, 2010
8:30 a.m. – 3:30 p.m.
Meeting Room: Imperial 2 at the Hyatt
- Thursday, June 24, 2010
5:30 p.m. – 7:30 p.m.

Technical Sessions That May Be Of Interest

YPs may be particularly interested in the following sessions

These include:

Tuesday 6/22

- AM1: Keynote - Priorities and Challenges to Energy Policy in the 21st Century (starts at 9:00 a.m.)
- PM1: YP (2) - Carbon Capture and Sequestration
- 101 YP (3a) - Particulate Matter 101
- PM2: YP (3b) - Particulate Matter 101 (cont'd)

Wednesday 6/23

- AM1: CR - Multipollutant Air Quality Management: Prospects for the Future
- AM2: YP (1) - Young Professional's Guide to Getting Involved
- PM1: Poster - Over 80 posters in all areas arranged by topic with no competing sessions
- PM2: YP (4) - Understanding Air Toxics

Thursday 6/24

- AM1: Keynote - Transforming North American Energy Systems (7:30 a.m. - 9:30 a.m.)
- PM1: YP (6) - Gizmos for Geezers - Tips and Tools for the Techno-Challenged

Friday 6/25

- AM1: YP (5) - Seasoned Professional's Guide to Young Professionals - Critical for Managers

Student Poster Judges Needed



Volunteering to be a judge for the ACE 2010 Student Poster Competition is a quick and easy way to mentor some of the industry's brightest up-and-comers. The Student Poster Competition will take place on **Tuesday, June 22 from 1:00 - 4:00 pm**. As a judge, you will be asked to read the 2-4 extended abstracts beforehand, spend 10 to 15 minutes with each student during the competition, and then fill out a grading sheet. You will also be invited to attend the Student Awards Reception (Thursday, June 24 from 4:00 - 5:30pm) where awards will be presented for the best posters. Please contact ACE 2010 Student Program Committee Chair, Zaher Hashisho, at hashisho@ualberta.ca if you are interested in serving as a judge at this year's ACE.

A&WMA/AEE Breakfast



Momentum is growing for a legislative opening of the Clean Water Act. Water quality improvements have reached a plateau and supplement programs, regulations, and tools are now needed to leverage the

water quality gains realized over the past 35+ years. Attend this joint breakfast of A&WMA and AAEE (American Academy of Environmental Engineers) for details on the latest developments and to find out what's on the horizon as we forge ahead to achieve a sustainable strategy.

It has been brought to our attention that AAEE is actively looking to work with A&WMA YPs in an effort to promote engineering. They are hoping that A&WMA's YPs can bring the same enthusiasm and capabilities to AAEE that have been successful within A&WMA through the development of programs, training, and events to



increase the participation of young professionals.

If you are attending the ACE sign up for the Joint A&WMA/AEEE Breakfast. The Joint Breakfast is on Wednesday 7-8 AM. A presentation will be given entitled, "The Trickle Down Effect of Clean Water Sustainability". Attending will show support for the A&WMA/AEEE Partnership, and hopefully develop a forum which will result in a mutually beneficial membership.

Wednesday, June 23, 7:00 -8:00 am

About Calgary

Calgary is a unique and vibrant city that offers visitors a wide variety of things to do from shopping and dining downtown,

to hiking and horseback riding at nearby national parks. So whether



you're looking for a cosmopolitan hot spot or an outdoor adventure, you'll find it in Calgary.

- Calgary is the largest city in the Province of Alberta, Canada.
- Normal Daily Maximum Summer Temperature: 23 C (73 F)
- Normal Daily Minimum Winter Temperature: -15 C (5 F)
- Calgary's Nickname is Cowtown
- Calgary's Airport YYC carries over 10 million passengers every year

There are many places to visit in Calgary, just a few of the attractions you may want to check out include:

[Banff National Park](#) – Spanning 6,641 square kilometers (2,564 square miles) of valleys, mountains, glaciers, forests, meadows and rivers, Banff National Park is one of the world's premier destination spots.



[Calgary Tower](#) –The Tower is the City of Calgary's most famous and identifiable physical landmarks. One of the first towers of its kind, the Calgary Tower offers the best view in Calgary and is a must-see on any tourist's itinerary.



[Glenbow Museum](#) - At the Glenbow Museum, intriguing stories from Western Canada connect with extraordinary art and artifacts from around the world. Combining a museum, art gallery, library and archives all under one roof, Glenbow boasts over a million artifacts and some 28,000 works of art in its vast collections and is one of the largest museums in Canada.

[Aerospace Museum of Calgary](#) - Aviation exhibits, hands-on activities, flight simulators, ongoing restoration projects, and gift shop for people of all ages. Preserves/promotes stories of people contributing to the aviation/space industry in Western Canada.

[Calgary Stampede](#) - Billed as the 'Greatest Outdoor Show n Earth.' North America's premier rodeo, western



festival and attraction. Year-round multi-purpose facility for agricultural, trade, entertainment, sports, meeting, banquet and special events.

[Canada Olympic Park](#) - Site 1988 Olympic Winter Games. Skiing and snowboarding, public bobsleigh - World Cup events. Summer mountain biking, skyline, challenge course. Year-round Olympic Hall of Fame and Museum, catering, meeting facilities.

[Calgary Zoo, Botanical Garden & Prehistoric Park](#)

World-renowned zoological institution. Over 1,000 animals. Rare/endangered species. Botanical garden.



Prehistoric Park. Destination Africa, Canadian Wilds and Elephant Crossing exhibits.

Whether you're a city person or an outdoor enthusiast, you'll be sure to find plenty to do during your time in Calgary. If you need help figuring out which sites to see, Tourism Calgary can help you plan your scheduled to make the most of your visit. [Click here](#) to search for tour operators through Tourism Calgary.

[Calgary's Environmental Initiatives – Read about some of the City of Calgary's environmental initiatives and programs.](#)





Technical Grid

Attend this year's technical program to hear the latest technical information available. From air quality emissions and greenhouse gas, to hazardous waste and odor modeling, you'll be sure to find sessions on the topics that interest you. Download the [Technical Program Grid](#) to view the full list of topics that will be covered this year.

ACE 2010 General Schedule for Young Professionals

Version 14-0601

| | June 20 th (Sunday) | June 21 st (Monday) | June 22 nd (Tuesday) | June 23 rd (Wednesday) | June 24 th (Thursday) | June 25 th (Friday) | |
|-----------|-----------------------------------|--|--|---|---|---|--|
| Fun Run | | | <i>ACE Fun Run¹ 6:30 - 7:30</i> | | | | |
| Breakfast | | | Stampede Breakfast 7:30 - 8:45 | <i>A&WMA Breakfast 7:00 - 8:00²</i> | | | |
| AM1 | Courses | Courses | Opening and Keynote Presentations 9:00 - 10:20 | Critical Review "Multipollutant Air Quality Management: Prospects for the Future" 8:00 - 10:20 | Plenary "Transforming North American Energy Systems" 7:30 - 9:30 | City of Calgary Biocell Project³ Tour 9:00 - 12:00 YP5 - Seasoned Professional's Guide to Young Professionals 8:00 - 10:20 Other Technical Sessions 10:20 - 12:00 | |
| AM2 | | | Exhibition Opens 10:30 YP Welcome 11:00 - 12:00 | Practical Lessons on Leadership Workshop 8:00 - 12:00 YP1 - Young Professionals Guide to Getting Involved 10:20 - 11:40 | Other Technical Sessions 9:00 - 12:00 Resume Critique 9:00 - 11:00 Sharp Oral Presentation Skills 9:00 - 11:00 | | |
| Lunch | | | <i>Women's Professional Development Luncheon⁴ 12:00 - 1:00</i> | Career Panel: Energizing Your Environmental Career 12:00 - 1:00 | Honours & Awards Luncheon ⁵ 12:00 - 2:00 | ACE 2010 Kananaskis Country Scholarship Golf Tournament⁶ 11:00 - 8:30 | |
| PM1 | Courses | <i>Mountain Equipment Co-op Tour⁷ 1:00 - 4:00</i> | YP3A - Particulate Matter 101 1:20 - 3:00 YP2 - Carbon Capture and Sequestration 101 1:20 - 3:00 | POSTER SESSION 1:20-2:40 YP4 - Understanding Air Toxics 3:20 - 4:40 | Speed Networking ⁸ 1:00-2:00 Sharp'en Your Oral Presentation Skills 2:00 - 5:00 | | YP6 - Tips and Tools for the Techno- Challenged 2:20 - 4:00 Resume Critique 2:00 - 4:00 |
| PM2 | | | YP3B - Particulate Matter 101 4:00 - 6:00 | | | | |
| Evening | | | YP Advisory Council Meeting 5:30 - 6:30 Grand "White Hat" Reception 6:30 - 8:30 | Networking Reception 4:30 - 6:00 YP/Student Social ⁹ 6:30- | Other Technical Sessions 4:00 - 6:00 | | |
| | | | | | | | |

BLUE = Core YP Program Events

Bold and Italics = Pre-registration required

CALGARY 2010

YPAC Officers

A&WMA provides programs and activities designed and conducted by environmental professionals for environmental professionals. Membership in A&WMA provides access to a worldwide network of more than 8,000 individuals from industry, government, and the consulting, research, academic, and legal communities who engage in the exchange of technical and managerial information. For more information on the benefits of participating in A&WMA and on how to join, contact A&WMA headquarters in Pittsburgh at 1-800-270-3444 or at <http://www.awma.org/join/index.html>.

Who are Your YP Advisory Council?

| YPAC Officer | Position | Chapter | Section |
|----------------------|---|--------------------------------|---|
| Laurel Peterson | Chair | Oregon Chapter | Pacific Northwest International Section |
| Brad Waldron | Vice-Chair | N.A. | Allegheny Mountain Section |
| Laurie Bates-Frymel | Past Chair, also YPAC ACE Committee Chair | B.C./Yukon Chapter | Pacific Northwest International Section |
| Ferdinand Alido | Council Member at Large, YPAC Professional Development Committee Vice-Chair | N.A. | Lake Michigan States Section |
| Fawn Bergen | YPAC Professional Development Committee Chair | N.A. | Rocky Mountain States Section |
| Ye Cao | YPAC Technical Committee Vice-Chair | Research Triangle Park Chapter | South Atlantic States Section |
| Josh Ellwein | YPAC ACE Committee Vice-Chair | Tampa Bay Chapter | Florida Section |
| Holly Krutka | YPAC Technical Committee Chair | N.A. | Rocky Mountain States Section |
| Scott McQuiston | YPAC Vitality Committee Vice Chair | East Michigan Chapter | East Central Section |
| Nancy Meilahn Fowler | YPAC News Committee Chair | N.A. | West Coast Section |
| Steve Rybolt | YPAC Vitality Committee Chair | Puget Sound Chapter | Pacific Northwest International Section |
| Monica Sandoval | YPAC News Committee Vice-Chair | New Mexico Chapter | Rocky Mountain States Section |
| Madhan Selvaraj | YPAC Web Committee Chair | N.A. | Canadian Prairie/Northern Section |
| Alicia Smith | YPAC Web Committee Vice-Chair | Delaware Valley Chapter | Mid Atlantic States Section |
| Jennifer Tullier | YPAC Local Support Committee Chair | N.A. | Louisiana Section |
| Abhilash Vijayan | YPAC Representative – A&WMA Publications Committee | Mother Lode Chapter | Golden West Section |

If you have questions or comments on the YP Newsletter, or would like to submit articles, please send an email with “YP Newsletter” in the subject line to YPAC@awma.org.

Good men sometimes make mistakes-A man of integrity will honestly face and correct his mistakes, and that is an example we can respect....D. Todd Christofferson