

# Planning West

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**The Effects of Bill 3 on Planners, World Town Planning Day, Asset Management, Thanking Volunteers and more inside.....**





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# PIEVC Engineering Protocol Workshop for Climate Change Vulnerability Assessment

by *Christine Calihoo MCIP, RPP*


Critical infrastructure includes land transportation routes (road, railroads, bridges), buildings, water facilities (reservoirs, dams), marine structures (dikes, ports) and wastewater systems (treatment facilities, storm drains, pipes).

Canada's infrastructure needs to be designed and maintained with a specific focus upon climate change and the resulting hazards, including new weather patterns and exposure to more frequent and extreme weather events.

To that end, Engineer's Canada has developed the PIEVC protocol to serve as a step-by-step methodology of risk assessment and optional engineering analysis of climate change impacts on infrastructure. It also offers a framework to support decision-making on infrastructure operation, maintenance, planning and development.

The PIEVC Workshop on February 25, 2016 is structured to encourage and enable engineers and planners to work together to collaboratively apply and explore the various steps of the PIEVC Protocol through the use of real life case studies in BC.

Upon completion of this workshop, participants should have an increased understanding of historical climate trends and methods for climate projection as these pertain to infrastructure, have a basic understanding of risk assessment as applied to infrastructure response to changing climate, have hands-on experience with the application of climate change risk assessment for select infrastructure examples, in addition to recognizing the benefits of a multi-disciplinary and multi-stakeholder team to address the impacts and complexities of climate change on infrastructure.

The PIEVC workshop will provide registered professional planners the opportunity, in collaboration with participating engineers, to learn about and apply an internationally recognized risk assessment tool to assist in the adaptation process to improve climate resilience of infrastructure in addition to providing the insight to enhance current and future planning processes that must take into account climate change. 

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# President's Message

by Dan Huang MCIP, RPP



As we turn the page over from 2015, it is a time to reflect on a number of important milestones achieved in the last quarter of the year.

In October 2015, Canadians voted in a new Federal Government which immediately saw the return of the Long Form Census (yahoo!), and a new Minister of Infrastructure of Communities, the Honorable Amrjeet Sohi from Edmonton. Minister

Sohi's mandate will be "to rebuild Canada for the 21st Century. This will require significant new investments in public transit, green infrastructure, and social infrastructure like affordable housing, as well as key strategic infrastructure that will increase trade and economic growth." Positive signs indeed.

In November, planners around the globe gathered to celebrate World Town Planning Day. Concurrent with this occasion, CIP announced the winners for its Great Places in Canada 2015, with BC communities coming out on top including: Vancouver's West End for "Great Neighbourhood"; Kelowna's Stuart Park for "Great Public Space"; and an Honorable Mention to Revelstoke's Grizzly Plaza. PIBC hosted its annual World Town Planning Day Gala in Vancouver, where we gathered to celebrate the planning profession with our peers, welcome our newest certified members as Registered Professional Planners, and honour our long-standing members with over 25 years of service. We also conveyed an Honourary Membership to Ms. Darlene Marzari who saluted a number of special women from the City of Vancouver (whom she affectionately referred to as "the broads of variance"). She reminded us that while at times she was certainly at odds with planners in Vancouver, they were all working towards the goal of building a more compassionate, socially-inclusive community. A well-deserved standing ovation for our newest Honourary Member.

Also in November, the CIP FutureFORWARD Task Force presented its report and recommendations to the CIP Board, in order to address both the future direction of the organization and the governance model moving forward. CIP endorsed a number of the key task force recommendations, and will be preparing the new corporate Bylaws for circulation to the entire membership for an electronic vote by March 2016. Please see the CIP website for more information. Many thanks to the Task Force for all your hard work and dedication, including PIBC members Larry Beasley, Karen Cooper, and Dave Witty.

Finally, last November PIBC Council met to review and approve its budget for 2016. As an organization we continue to be fiscally healthy, which allows us the ability to deliver valuable programs and service to our members. With the successful

addition of a Communications Coordinator (Cindy Cheung) in 2015, Council set aside funds in 2016 for a Continuous Professional Learning (CPL) Coordinator, to ensure that our members throughout BC and the Yukon are able to access valuable opportunities for professional development.

Looking ahead, PIBC staff and volunteers are busy organizing and preparing for the Northern Planning Conference – "Planning for the New North", from February 15-17, 2016 in Whitehorse, as well as the Annual PIBC Conference – "Planning Unfiltered", from May 10-13, 2016 in Kelowna. Both conferences have excellent keynote speakers and proposed sessions, and I hope that you will take the opportunity to attend, share, learn and network with each other. If you have not done so already, please take the time to consider making a submission for the Awards for Excellence in Planning (5 categories) and Awards for Individual Achievement (3 categories). The deadline for submissions is February 15, 2016. Please visit the PIBC website or contact the friendly staff at the PIBC office for more information.

On behalf of PIBC Council, Happy New Year and all the best for 2016! 🍷

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Cover: *E-tricycle for Hotel Victoria in Freiburg, Germany. Photo Credit: Emilie K. Adin MCIP, RPP*

# World Town Planning Day: Celebrating the Profession

by Siobhan Murphy MCIP, RPP

Every year, there is a special day to stop and reflect on what it is to be a planner. You can do it every day of course, but November 8th is official World Town Planning Day when planners get together to celebrate the profession. For those that are not familiar with World Town Planning Day, it was founded in 1949 by the late Professor Carlos Maria della Paolera of the University of Buenos Aires, to advance public and professional interest in planning. It is celebrated in more than 30 countries on four continents each November 8th. It is a special day to recognize and promote the role of planning in creating livable communities.

PIBC commemorates World Town Planning Day annually with a gala event to which all BC planners are invited. At the gala, planners are recognized for years of service, new planners are presented with their respective certificates of membership, and a non-planner who has made a significant contribution to the practice of planning in BC, is awarded an honorary membership.

This year, the gala was at the Sutton Place Hotel in Vancouver. The evening was opened by PIBC Past President Lindsay

Chase, who welcomed attending planners and guests. Following her welcome, Ms. Chase turned it over to PIBC President Dan Huang, who broke the ice by telling a story about how since his becoming PIBC President, his mother proudly tells her friends that he is “the President.” Huang’s remarks were followed by membership presentations by Andrew Ramlo, Secretary Treasurer of PIBC Council. Mr. Ramlo began with the recognition of planners with 25 years of certified membership, followed by welcoming the new 2015 certified members. He turned it back to Ms. Chase, who introduced this year’s PIBC Honorary Member.

This year’s PIBC Honorary Member is Darlene Marzari. Darlene Marzari was hired as a social planner for the City of Vancouver in 1968. (She is the first to point out that she is not a planner, as she said at the beginning of her remarks.) She went on to become a city councillor as part of the TEAM councils beginning in 1972. She then became an NDP MLA in 1986 and, was Minister of Municipal Affairs from 1993-96. Following her term as Minister of Municipal Affairs, Marzari became

*(continued next page)*



*PIBC’s newest Honorary Member Darlene Marzari (centre) with planning colleagues and guests at World Town Planning Day gala. Photo Credit: PIBC (Tiffany Brown Cooper)*



World Town Planning Day (cont'd)



*Planners and guests enjoy PIBC's World Town Planning Day gala. Photo Credit: PIBC (Tiffany Brown Cooper)*



*(Above) PIBC President Dan Huang MCIP, RPP and Life Member Gerard Farry MCIP (Ret'd) (Left) APPI President Misty Sklar MCIP, RPP, Past President Andrew Young MCIP, RPP and John Steil FCIP, RPP. Photo Credit: PIBC (Tiffany Brown Cooper)*



a board member of the Fraser Basin Council.

During her tenure as Minister of Municipal Affairs, Marzari led a process to establish new legislation to allow regional districts and their members to create regional growth strategies. "It is to her credit that this legislation had broad support because of her collaborative yet persistent approach to the improvement of planning in the Province. It was a key achievement to regional planning in Greater Vancouver, for crafting the legislation so that it could give formal effect to the Livable Strategic Plan, which was substantially complete before the legislation came into force," said Chase. These sentiments were echoed by Gerard Ferry, former Planning Director at the GVRD who emphasized how important Marzari's contribution to regional planning is, with her vision, collaborative skills and her ability to garner support for the regional growth strategy legislation.

"I believe truly you are giving me this for what I DIDN'T do," she said. "And now I will take about 15 minutes to thank my mentors friends and family, and go into a rousing rant for a plan for the city of Vancouver and call for people-centred planning and a strengthening of planning values that include and democratize and integrate community in all planning, "I do want you to have time for sober second thought about whether the award is really warranted." Marzari said she was making a full disclosure, supported by the following points, in her own words:

- *I am not a planner. I'm a social worker who trained in community development. I worked with communities to use their strengths to push government for services they needed. Margaret Mitchell and Nora Curry were my mentors who worked in*

*(continued next page)*

## World Town Planning Day (cont'd)

*the late 60's with tenants in public housing and later in Strathcona. Both are thrilled since this award is a validation of their belief in community planning.*

- *I didn't do the social planning job I got when Maurice Egan hired me as a social planner in 1968. That job was to rationalize social services and incidentally to relocate hundreds of Strathcona families to elsewhere in the region since their houses were about to be demolished by Urban Renewal.*
- *In part due to the work I did do (along with an army of others), 15 planners in Vancouver were fired and the Urban Renewal Plan was cancelled, a freeway never got completed and a community remained standing.*
- *The fact that I was not a planner and made trouble for planners propelled me into 18 years of political and community service.*
- *I was not exactly a role model for top down planning: Didn't do the job ... played poorly with colleagues ... was called on the carpet to Mr. Sutton Brown's office (the City Manager) and thanks to my boss ... did not get fired. Twice.*
- *No, I don't have a planning degree but I've travelled the road with the best and learned a huge amount.*

Marzari quoted Tony Benn, the British parliamentarian, who said there are signposts and weather vanes. Weather vanes whirl around looking for which way the wind is blowing and adapt. Signposts show you the way based on good evidence and professional and personal values, she said.

Signposts for Marzari included names that are familiar to many BC planners, such as Ray Spaxman, who was hired by the TEAM Council of which she was an elected member. Spaxman championed and integrated neighbourhood planning into development process of what has come to be called Vancouverism, she said. Marzari also cited Hilda Symonds, who directed the City Planning Commission and sparked the Goals for Vancouver process which reached out to tens of thousands of people twice in the '70's for their ideas and priorities, as well as Joyce Catliffe who followed her lead.

Many of her 'signposts' attended the gala to support her, who she introduced: Trish French, Rhonda Howard, Jackie Forbes-Roberts, Joyce Catliffe, May Brown, Marguerite Ford all from the City of Vancouver well as Gerard Ferry and Ken Cameron, both from the GVRD. Marzari also talked about their predecessor Harry Lash, who constructed the public component of the first Livable Region Program in the '70's. "It involved thousands of citizens in the first stages of taking planning to people at the regional level. Harry created the iconic public-planner-politician triangle of communication and interaction that built public in-

terests into the plan." "You must take it on faith that (our attempts) teach no other lesson than this: people and the way they interact with one another, make all the difference". All of these people, politicians and planners, were signposts for me as a politician," she said.

Marzari talked about the planner's job, which she said is to, "help shape change with respect for culture and history and people. Planning in this instance shifted from a post war European model to a North American appreciation of the inner city core not to mention the newly recognized political power of the ethnic inner-city community. Even the federal government was at the planning table - CMHC, secretary of state ... They were all there planning with the other levels of government and the residents. It was the feds that took the initiative and insisted on community involvement. Times have changed."

"Today," she said, "west-side neighborhoods are being demolished and reshaped by international capital parking, hedging, and pushing prices to levels very few locals can ever afford. Our greenest city has watched a quarter of Dunbar go to the dump but to ask for planning expertise to develop the research, to look to the future, to mitigate the impact of the market forces, to advocate for a community that feels empty or covered in construction dust is to whistle into the wind. The first example, Strathcona, celebrated a major shift in planning practice; the second, Dunbar and the west side celebrates no planning at all. In fact, an aversion to planning."

There are huge planning issues in our town, but no plan, she said. "Piecemeal initiatives around specific developments but no plan. 138 acres of developable land at Jericho and not a word from the city about what it could look like. Did I say that we have no city plan yet?" Marzari invited people who have thoughts on the matter they want to share to email her at [Marzari@shaw.ca](mailto:Marzari@shaw.ca)

According to Marzari, Planners can be and should be leaders, educators, researchers and truth tellers. They are central to the business of civic and regional governance. We have to follow Harry Lash's lead with people, politicians and planners working towards a livable city and a liveable region that knows how to manage its growth. Brent Toderian said last week. "Don't be so afraid of losing your job that you can't do your job." Larry Beasley recommended "planning audacity" assuming the new planner should be a planner, not a manager.

Change happens, she said, and we move on with new knowledge, but professional values remain true and responsibility to speak with one voice is what forges professional legitimacy. But you all know that. That's what a professional institute is about and why you are here to support it.

"So ... social worker, planner.... It is about using our voice to serve the public, to work with communities for a better place and to speak truth to power." She urged everyone to continue to be a signpost. 🏠



# The Effects of Bill 3 on BC's Professional Planners: Consistency or Foolish Consistency?

by *Emilie K. Adin, MCIP, RPP*

"A foolish consistency is the hobgoblin of little minds." So said Ralph Waldo Emerson, whose life was a long rallying cry against unhappy conformism. There is nothing wrong with consistency, of course. Foolish consistency, however, is another matter.

According to the Province, BC's new Building Act (Bill 3) was created under the trinity of consistency, competency and innovation. The sections of the Act (5, 7, 9 and 43) that are to bring greater consistency to building requirements across the province became effective on December 15, 2015. These sections are the focus of this article: they require much deeper scrutiny than has been afforded to them to date. Professional planners should look closely at the effects of the Building Act and voice any concerns with municipal Councils, Members of the Legislative Assembly, and Provincial staff.

## A provincial tradition of rigid rules and paternalism

It's clear that the Province's intent with Bill 3 is to create a very different relationship between the provincial and local governments, thereby turning back the clock to before the Community Charter was enacted in 2003. Former Premier Gordon Campbell, previously Mayor of the City of Vancouver, was elected in 2001 on a platform of guaranteeing a 'New Deal' for BC municipalities. In 2002, former Minister of State for the Community Charter Ted Nebbeling stated that the Charter would "replace a provincial tradition of rigid rules and paternalism with flexibility and co-operation... [and] encourage municipalities to be more self-reliant..."<sup>1</sup> With respect to building regulations, the 'new deal' has now been taken off the table.

At best, the Building Act's effects are difficult to predict, but may be manageable and acceptable once they are better understood. At worst, the Act will mean that BC municipalities' hands are tied everywhere outside the City of Vancouver, when new safety issues, innovative technologies or innovative urban forms<sup>2</sup> emerge but are not addressed in a time-sensitive way

1 Ministry for Community, Aboriginal and Women's Services. 2002. *The Community Charter: A New Legislative Framework for Local Government*. Victoria: Queen's Printer. Page 3.

2 Many of the deviations currently administered via the Alternative Solutions pathway to meet the requirements of the BC Building Code may not be available to municipalities in future.

by the Province. In effect, we are to depend entirely on the Provincial pace of change from now on. Once the (too brief) transition time is over, we will not have the opportunity to augment or enhance the B.C. Building Code with local building bylaws or any other building-related provisions in bylaw form. Without Provincial review at local government cost (see later in the article the section on, "No Variances to the Act without Payment"), showing leadership on building-related issues such as fire safety, energy efficiency, green buildings (e.g., greywater systems), adaptable design, active design, etc. will not be possible on a local level.

Some planners are unconcerned. As noted previously, consistency as a principle makes a lot of sense and is something that planners strive for: setting an even playing field is something that we do, and do well. One could argue that Bill 3, at least for most municipalities, will have a relatively low impact on planning activities in the short term. Right now the Province is working hard again to be a climate leader, not a laggard, to work with the development industry to achieve mutual gain, and to engage with planners and other professionals in positive dialogue. However, it will be another matter if the provincial clockwork slows to a crawl through lack of resources or lack of political will. We've seen it before. The broad impacts of Bill 3 will march on, regardless of whether the Province's staff are equipped or enabled to be leaders in responding to change.

With the passage of the Building Act, the Province has made itself and the City of Vancouver the only game in town with regard to showing leadership on climate, adaptability or any other building-related issue. Many planners will take umbrage.

## Pushing a rock up the hill

Writing in the November 2015 issue of *The Digest of Municipal & Planning Law*, Olga Rivkin of Bull, Housser & Tupper states: "Trying to understand the effects of an enactment which lacks detail is a Sisyphean task."<sup>3</sup> While Sisyphus was punished by

having to push a rock uphill for all eternity, lawyers and professional planners have been biting our nails trying without success to figure out what to make of the unusually vague

3 Olga Rivkin. 2015. "British Columbia Building Act and the Importance of Regulations" in *The Digest of Municipal & Planning Law*. November 2015, Issue 11.

*(continued next page)*

## Effects of Bill 3 cont'd)

provisions of the Building Act.

Open-ended phrases such as “relates to” and “any other matter that the minister considers necessary or advisable,” are used in the act, with deliberate ambiguity, to enable flexibility on the part of the Province. The use of such phrases, as Rivkin asserts, “makes it impossible to predict the ultimate reach of the Building Act.”<sup>4</sup>

Meanwhile, the two-year countdown is on: relevant municipal bylaws need to be replaced or repealed or will lose force on December 15, 2017. “The Building Act casts a wider net [than the concurrent authority regime], whose exact dimensions are not yet clear,” states Bill Buholzer of Young Anderson. “There are (as of December 15) no regulations defining either ‘restricted matters’ or ‘unrestricted matters’ to assist local governments with the bylaw review that the Province is encouraging.”<sup>5</sup> What’s a planner to do?

### Bad timing marries uncertainty

As nuptials go, there’s nothing worse than when bad timing

<sup>4</sup> Ibid.

<sup>5</sup> Bill Buholzer. 2015. “Young Anderson Client Bulletin.” December 15, 2015.

marries uncertainty. As previously mentioned, definitions of what constitutes “restricted” or “unrestricted” matters were not released prior to the two-year clock starting to tick. But that’s the least of it.

The Province is creating a guide for local governments on the Building Act. That’s good news. Unfortunately, the sections of the guide that explain how local governments will be affected by the Act, and how they can apply for a variation to the requirements of the Act, is still in development.<sup>6</sup> The Province anticipates the guide will be available in spring 2016. Somehow, the provincial government decided to start the implementation clock in 2015, well ahead of the guide (or the details) on how local governments will be affected.

We hear that there are stretch codes in development, which will offer municipalities the ability to require better energy performance, or enhanced sprinklering, for all or some of our new buildings – although no one seems to know whether we can use bylaws to require these standards or not.<sup>7</sup> These stretch

<sup>6</sup> <http://www2.gov.bc.ca/gov/content/industry/construction-industry/building-codes-standards/building-act/whats-effective-now>

<sup>7</sup> For example, Dave Ramsie, Facilitator of the Province’s Energy Efficiency Working Group, advised the City of North Vancouver on December 23, 2015, that the density bonusing mechanism could be used to incent greater energy efficiency in buildings, if bylaws refer only

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## Effects of Bill 3 (cont'd)

codes, while bringing great minds to bear on setting new technical requirements for construction, have not been finalized. They should have been released prior to starting the stopwatch.

Changing municipal bylaws, and particularly zoning bylaws, is a lengthy process with significant statutory consultation responsibilities, including public hearings and media notifications. To have to potentially change bylaws not once but twice because we don't have all the details yet is untenable. Many municipalities will be left scrambling.

### No Variances to the Act without Payment

Local governments, property owners and developers may request variations to the consistency imposed by the Act, but variances are available only on a cost-recovery basis, after undefined periods of review, once the applicable sections of the Building Act come into force. Applicants, including municipalities, are to pay for variance review in advance. After the Province has determined its response to a variance request, applicants may then be billed even more than estimated, should the final costs of the variance review have exceeded initial Provincial estimates. This is set out in sections 33 and 34 of the act.

### Significant authority over building... in the hands of one person

Rivkin comments: "The challenge with the Building Act for local governments (and for lawyers) is that it is incomplete without ministerial regulations [that have not yet been released]... Notably, most of the substantive regulations under the Building Act are within the purview of the minister, rather than the cabinet, which... vests significant authority over building and construction (and over local governments) in the hands of one person."<sup>8</sup>

This is more than a clawing back of the 'New Deal.' With the advent of the Building Act, power has coalesced in the office of whichever minister oversees the Building Code portfolio.

### Give us a game plan now

In discussions with Provincial staff, we are told there is an

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to the new stretch code in development. However, in an e-mail dated December 24, 2015, BC's Acting Director, Policy and Code Development, stated: "I cannot confirm that you will be able to continue to use the density bonusing tool as set out in s. 904 of the Local Government Act. You should rely on the advice of your solicitor to determine whether you have that authority." Meanwhile, BC's municipal lawyers generally await definitions of 'restricted' and 'unrestricted' matters from the Province in order to advise clients.

8 Olga Rivkin. 2015. "British Columbia Building Act and the Importance of Regulations" in *The Digest of Municipal & Planning Law*. November 2015, Issue 11.

implementation plan for the Building Act. To date, no road map has surfaced. Professional planners can seek multi-disciplinary collaboration to discover and highlight the effects of this act within our local municipalities, regional governments, and industry.<sup>9</sup> Planners can take the lead in imploring the Provincial government to give us a game plan now on what happens when. Then at least we can do the math and plan with our Councils and in our operational budgets how and when we can repeal or amend affected bylaws and secure commitments in other ways, before they fall away on December 15, 2017.

### Showing Leadership

Consistency on technical requirements for the construction industry is a good thing as long as the bar is set consistently high. This is particularly important in terms of the way buildings are built as part of the battle against climate change. Can we assume the Province will be a climate change leader? At the recent Paris climate change conference it was broadly acknowledged that cities tend to lead the way with senior levels of government coming up behind.<sup>10</sup> Is it a good thing for the environment for cities showing leadership to be relegated to the back of the room?

There needs to be a clear and transparent commitment by the Province to review and update the stretch code on a continual learning basis, or at the least on a 3-year cycle. Emerging safety concerns, technological innovation, and new opportunities should also trigger Code upgrades and variation reviews on a frequent basis, without the cost of these reviews falling on the shoulders of local governments.

### Conclusion

Our carts are hitched to the Provincial horse. For all the bad timing and uncertainties brought upon local governments in the wake of the Building Act, all may be implemented and implementable in time. The game-changing nature of the 2015 Building Act remains, backtracking some of the gains of the 2003 Community Charter.

In the name of consistency, the Building Act tethers municipalities and professional planners. The goal of consistency without excellence or leadership will hobble us and may indeed be said to be foolish. Let us hope we do not fall victim to a foolish consistency. 🙏

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9 The development industry, for whom this is said to benefit, would likely be chagrined to understand that density bonusing and prezoning initiatives have suddenly become much more challenging to enable or administer.

10 Samantha Page. November 23, 2015. "The Carbon Reduction Efforts of the World's Major Cities" in CLIMATEPROGRESS. <http://thinkprogress.org/climate/2015/11/23/3725004/cities-key-to-carbon-reductions/>

# Tools for Stormwater Management and Urban Forestry: Stepping up the Role of Urban Planners

by Camille Lefrançois, Edward Porter MCIP, RPP, Amelia Needoba and Trevor Cox MCIP, RPP

*Planners need to gain a better understanding of issues related to stormwater management. Easy to use online modeling tools can help professionals get a better understanding of the impact of changes to the natural and built environment on local hydrology as a means to develop more effective policies, make better decisions... and ultimately design healthier places.*

At the end of a particularly dry summer that challenged our region's residents and its urban forest, Metro Vancouver is now well into the wet season. Dealing with the challenges of stormwater runoff in hard urban landscapes poses many challenges for our region. From clogged catch basins leading to water ponding on the streets to combined sewer overflows, flash floods and stream erosion, municipalities, engineers and planners have a pointed appreciation of how cities and impervious surfaces affect the water cycle.

Grey infrastructure – the traditional pipes and drainage systems we use to manage stormwater – is designed to collect and carry away stormwater as rapidly as possible. This type of in-

frastructure, even when separated from sewers, contributes to the degradation of water quality. This prevents the infiltration of stormwater to recharge our groundwater, therefore exacerbating the effects of droughts.

As an alternative, many cities around the world are turning to green infrastructure, which aims at reducing the volume of runoff at the source with natural processes such as infiltration and evapotranspiration.<sup>1</sup> Municipalities in Metro Vancouver, like many others, have started to explore and implement alternative solutions in an attempt to manage stormwater differently; while continued investment in conventional systems (i.e. “grey infrastructure”) will be required, “green infrastructure” has proven a reliable and strategic partner in buffering and leveraging the function and health of these systems.

1 De Sousa, Maria R. C, Montalto, F. A., & Spatari, S. (2012). Using life cycle assessment to evaluate green and grey combined sewer overflow control strategies. *Journal of Industrial Ecology*, 16(6), 901-913.

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## 2016 PIBC Awards for Excellence in Planning & for Individual Achievement

The call for submissions for the **PIBC 2016 Awards Program** is now open!

Members can make a submission for either the **Awards for Excellence in Planning** or for **Individual Achievement**.

Please take note that the call for submissions and nominations close **Monday, February 15, 2016.**

For more details about making a submission, please visit [www.pibc.bc.ca](http://www.pibc.bc.ca)



## Stormwater Management Tools cont'd)

### Investigating the role of the urban forest

As municipalities in British Columbia continue to integrate green infrastructure as part of their stormwater management system to address some of its shortcomings, we argue that planners need to develop a more sophisticated understanding of *the composition of the urban forest and its contribution to stormwater management in their local context*. While there is a general acknowledgement of the stormwater management benefits of the urban forest both in the literature and in management plans, it is often either only qualitative, or highly dependent on local conditions such as weather and topography, and is therefore hard to generalize as a quantitative benefit. The goal of our research was to develop a detailed, quantitative understanding of the contribution of the urban forest to stormwater management for runoff volume, timing and water quality.

### Stormwater modeling tools for planners

Thankfully, there exist a multitude of tools available to help planners and other professionals quantify stormwater management changes. These tools are offered at various costs and lev-

els of complexity. We chose to use the i-Tree Hydro software, developed by the US Forest Service as part of its series of free tools that quantify the benefits of the urban forest. The tool allows users to test the effect of both changes in the urban forest and impervious cover on stormwater quantity and quality.

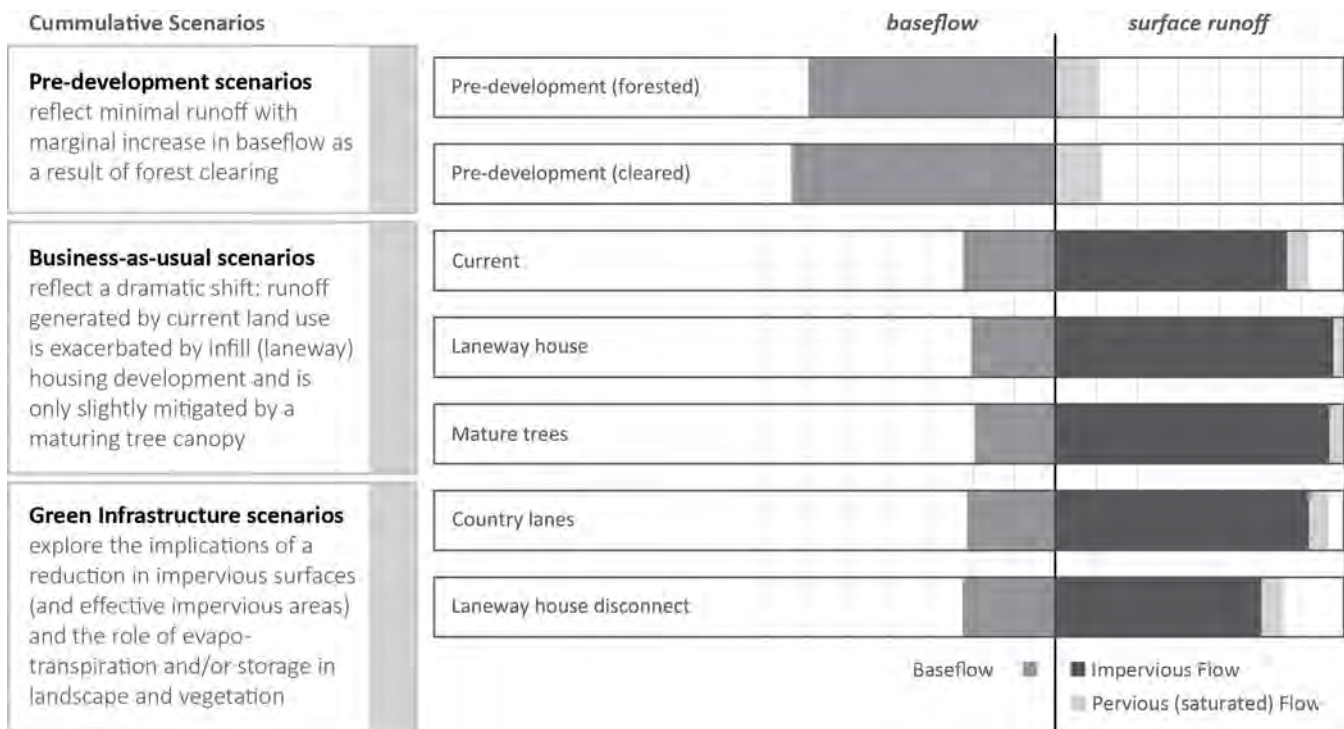
i-Tree Hydro requires detailed weather data, topography (digital elevation model) and surface cover extents as inputs. Much of the surface cover data can be collected using tools like i-Tree Canopy, and the increasing amount of available public data. Due to technological advancement and decreasing cost of data such as LiDAR<sup>2</sup>, many data collection challenges that we experienced can be expected to decrease over time. While i-Tree Hydro has been used in other Canadian cities, the model was made in and for the United-States, which causes some challenges with regard to data collection and format compatibility. The model is currently undergoing improvements that will allow users to add engineered green infrastructure such as rain gardens and tree pits in their scenarios, and the i-Tree team has been very supportive of Canadian users.

### Our findings

Our results demonstrated interesting dynamics between sur-

2 LiDAR is a remote sensing technology that measures distance by illuminating a target with a laser and analyzing the reflected light.

(continued next page)



As part of the research, scenarios were created to reflect on the past, present and potential future of a small case study area of single family residential housing. The scenarios show a historical trend towards an increasingly surface runoff-dominated hydrology. The green infrastructure scenarios were used to test reductions in impervious and effective impervious area for the case study area's laneways and rooftops. The reduction of effective impervious areas (in this case downspouts connecting rooftops to stormwater pipes) yields a significant reduction in surface runoff and limited increase in baseflow. This is due to increases in evapotranspiration, storage in the landscape and vegetation, as well as the model assumptions.

## Stormwater Management Tools cont'd)



*Perforated curbs reduce effective impervious areas by allowing runoff from the street to infiltrate and evaporate in a rain garden instead of flowing into the stormwater pipes at Clark Park in Vancouver's Kensington-Cedar Cottage. Credit: Camille Lefrancois*

face cover factors: change in pervious surface cover is by far the most significant factor both to reduce runoff volume and improve water quality; and changes in tree (and shrub) canopy have a beneficial additive effect on runoff. Surprisingly, existing models used to calculate water balances for stormwater management – and help set policy at the Municipal scale within Integrated Stormwater Management Plans (ISMP) – don't explicitly factor in the added benefit of vegetation cover.

Through our experimentation with the model, we made several interesting observations. Reductions in stormwater runoff are greatest with the reduction of effective impervious area, the proportion of impervious areas draining directly into pipes or water bodies. However, reducing effective impervious area alone leads to increased soil saturation to which plants and trees are the most effective intervention.

### Priorities for urban forestry and planning

Considered at the municipal-scale of planning and urban forestry, our research suggests a relationship between stormwater management and urban forest management that should be exploited more widely. The higher tree canopy targets that many municipalities are adopting in recognition of the multiple benefits of the urban forest will require more pervious area and associated soil volume in order to sustain large canopy trees. Impervious areas – largely created as a result of urban development – increase stormwater runoff that, instead of being

pipled away, could be largely managed onsite to help sustain the urban forest. Unfortunately, targets for increases in tree canopy are often set within high-level, aspirational planning frameworks, while the loss of pervious surface and soil volume in urban areas often goes unmeasured within individual development applications. In many instances, long-term planning and short-term regulation are implemented through separate plans and departments: it is precisely here we make the case for better coordination between aspirational targets and limits to both canopy and permeable surface loss.

In light of increasingly dry and warm summers, and the higher frequency of extreme rainfall events associated with climate change, more emphasis should be given to the retention and creation of urban landscapes that support a healthy tree canopy and also function to slow, reduce and clean stormwater. With that objective in mind, stormwater is a remarkable resource for our urban forest that we cannot afford to waste.

Using a model like i-Tree Hydro allows planners to test development scenarios and urban forest solutions that might mitigate the impact on stormwater management, improve groundwater recharge and vegetation health. We believe that planners and decision-makers will benefit from a more explicit and locally-specific understanding of the interactions between surface cover, the urban forest and stormwater management provided by tools such as i-Tree Hydro. 🏡



# Different Shades of Asset Management in BC

by Robin Lattimer, PIBC Candidate Member

As Planners, we spend a lot of time thinking about how to create vibrant, healthy and beautiful communities. But how often do we think about the pipes, pumps, and facilities that our communities rely on?

For most of us, the answer is rarely. While, as Planners, we are keenly aware of the critical importance that infrastructure like water and roads provide in our communities, most often the design, financing and maintenance of these systems falls on engineering, public works and finance departments.

There is, however, an essential and often underutilized role for Planners to play in this infrastructure planning process, particularly with respect to facilitating inter-departmental collaboration and ensuring that infrastructure systems align with community growth projections, development strategies and public values.

In order to understand the opportunity to strengthen the relationship between 'infrastructure planning' and Planning practice, it is important to understand the different ways that infrastructure planning in Canada is being redefined under the principles of "asset management". Asset management is a long term and iterative framework that allows communities to prioritize future infrastructure development and maintenance based on asset conditions as they change over time. Under this framework, infrastructure planning has moved beyond the traditional 'bricks and mortar' approach, reserved for civil engineering. Rather, asset management embodies core principles of Planning practice ranging from community engagement, policy and team integration, and sustainability.

In Canada, communities have historically used a myriad of locally-specific approaches for managing their infrastructure. However, asset management has been increasingly embraced by communities as a comprehensive framework for proactive and sustainable infrastructure management. While provinces such as Ontario have created legislation requiring local governments to create their own asset management plans, elsewhere in Canada, asset management unfolds on a case-by-case basis and in a range of forms and functions.

While asset management is not legislated in BC, a number of asset management guidelines have been developed regionally, nationally and internationally and provide step-by-step frameworks for creating an asset management program. While these guide-



lines each present a unique approach, they all reflect the same core concepts that underline the practice of asset management. Some of the guidelines that have been used by BC communities include the Framework for Sustainable Service Delivery (developed in partnership with Asset Management BC, UBCM, and the BC Ministry of Community, Sport and Cultural Development), the ISO 55000 standard, and the International Infrastructure Management Manual (developed by the National Asset Management Strategy association). BC First Nations and municipal communities are in the early stages of developing their own asset management programs founded on the core principles of asset management, as provided by available guidelines, and tailored to serve each community's unique context. The four case studies described below have been selected to highlight progress in asset management in BC to date and some of the different approaches currently being used by BC communities.

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Asset Management (cont'd)

7 ESSENTIAL ELEMENTS OF ASSET MANAGEMENT	
Inventory	What have you got?
Valuation	What is it worth?
Condition / Remaining Life	What is its condition?
Levels of service	What needs to be done?
Prioritization	When do you need to do it?
Budget / Planning	How much will it cost?
Financing	How will you pay for it?

Northern Rockies Regional Municipality

The Northern Rockies Regional District (NRRM) began work on their asset management system in 2012 and is now in the early stages of implementation. NRRM is BC's only Regional Municipality and was incorporated in 2009 combining the former Town of Fort Nelson and the Northern Rockies Regional District. NRRM's large land mass and small, concentrated population poses unique challenges for infrastructure management, which have been addressed through its Asset Management System.

NRRM is considered a leader in BC for the progress it has made on its asset management system. It has completed almost all basic, intermediate and advanced steps using Asset Management BC's Roadmap, [http://www.civicinfo.bc.ca/Library/Asset\\_Management/AM\\_Roadmap/Roadmap\\_Diagram--AMBC--Sept\\_23\\_2011.pdf](http://www.civicinfo.bc.ca/Library/Asset_Management/AM_Roadmap/Roadmap_Diagram--AMBC--Sept_23_2011.pdf) including the development of an Asset Management Framework, Strategy, Policy and three Asset Management Plans. A unique feature of its asset management system is that it is fully integrated with the community's long term financial plan, which has been designed with the flexibility to accommodate changing economic conditions in the community. NRRM is currently in the early stages of implementing its Asset Management System, including the translation of all of its digital infrastructure information under one comprehensive information system.

Shuswap Band

Shuswap Band is currently wrapping up Phase 2 of their Asset Management Program. This Program focuses on establishing a framework for financial planning, the refinement of their infrastructure inventory, and ongoing community engagement. Shuswap Band is located in the District of the East Kootenays, near the Town of Invermere, and includes around 300 members. In addition to serving band members, the Band owns a number of businesses and holds economic development as a key part of the community vision.

While the Shuswap Asset Management Program initially began with a small team of staff focused on providing infrastructure for economic development, it has expanded into a broader community governance framework. Band Council plays an integral role in program development, and has used the program as a way to bring different departments together for integrated decision-making about community assets and processes. Capacity building through working sessions with Band staff stood out as a key focus of the program and has led to increased collaboration between staff and been instrumental in achieving the community's broader governance objectives.

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## Asset Management (cont'd)

The Shuswap Band Asset Management Program will continue as a key feature of the Band's journey to becoming financially sustainable, and self-reliant.

### City of Vernon

The City of Vernon is nearing completion on its Buildings and Facilities Asset Management Plan, which includes a comprehensive inventory, assessment, and prioritization framework for investment decisions about the City's buildings and facility assets. The City of Vernon is a bustling commercial hub located in the North Okanagan and home to over 38,000 people.

The City of Vernon's asset management program reflects a unique approach that started with the adoption of its Asset Management Policy in 2011. In order to satisfy the Policy's requirements, City completed its Sustainable Infrastructure Investment Plan (SIIP) in 2013. The SIIP laid out a standard approach for decision-making on infrastructure investment and has been further enshrined in the City's recent 2015-2018 Strategic Plan and subsequent asset management plans. This approach has allowed for detailed asset management plans to be created as

needed for specific asset categories in a way that is consistent and integrated with the City's larger policy framework.

To date, the City has completed individual asset management plans for its road, stormwater, and buildings and facilities assets and will complete plans for other asset categories (such as wastewater) as necessary.

### Gwa'sala-'Nakwaxda'xw Nations

GNN is a Tsulquate First Nations community formed in 1964 with the joining of two separate communities, the Gwa'sala and 'Nakwaxda'xw, under one governance structure. The community is located adjacent to the District of Port Hardy on Vancouver Island, and includes around 500 on-reserve community members. Gwa'sala-'Nakwaxda'xw Nations (GNN) embarked on Phase 1 of their Asset Management Program in the Spring of 2015, with a focus on building a dynamic digital infrastructure of their existing infrastructure assets.

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*Vernon Fire Hall, Photo Credit: Robin Lattimer*

## Asset Management (cont'd)


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The success of Phase 1 of GNN's Asset Management Program has been due, in large part, to the dedicated team of councillors, elders and staff who are leading the program. GNN is now moving into the second year of its Asset Management Program, with one of its goals being to create a dynamic database that can be used remotely by staff members to access real-time information on infrastructure assets while in the field.

### START YOUR OWN ASSET MANAGEMENT PROGRAM

The beauty of asset management is that it provides an overarching framework for long term infrastructure planning that is adaptable to the unique context of each community. These communities have used the asset management framework as a way to achieve different objectives, from creating a dynamic infrastructure database, to structured decision-making, capacity-building

and investment planning. Despite fulfilling distinct community objectives, each of the case studies reflected the core principles of asset management including organizational integration, the development of accurate asset information, and community engagement.

As planners, we have specific skills to contribute to support infrastructure development under the asset management framework. As we enter a new era with renewed federal support for addressing infrastructure deficits in our communities, there is a critical opportunity for planners to play an increasingly important role in shaping decision-making processes for infrastructure development. 

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# PlanGirl #13: High-Tech Cycling Infrastructure

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by *Emilie Adin MCIP, RPP*

Cycling is sexy.

That doesn't mean I know quite what to say about the bike and its role in our urban fabric. As an avowed generalist with a particular interest in green buildings and urban design, it's not very often that I find myself wading into discussions on cycling infrastructure. The last time I wrote about cycling infrastructure was in 'Plan-Girl Travels: Transportation Planning for Cyclists' in Vol. 50 No. 4 (2008) of Planning West.

Not only am I generally intimidated by the Lycra set when I jump on a bike, but I also tend to see transportation planners as 'plangi-neers' who walk the talk of hard science and eschew the soft touchy-feely centre at the heart of so much planning debate. Oh, I know all about mode-share splits and the differences between the needs of cycling commuters and recreational cyclists, but land use planning is what gets my heart beating faster.

Enter the bicycle.

Now more than ever before, we need to move towards low-GHG transportation. On the heels of the UN climate change conference in Paris, we know we have to get people off of their butts and onto their bikes. We can't forget the needs of pedestrians, transit-users, motorists – no. But increasing the ratio of trips by bike is a key part of moving the dial down on transportation-related GHG emissions. We need look no further than European cities like Copenhagen (Denmark) and Groningen (Holland), where 50% and 60% of all trips are made by bike, respectively.

Lessons from Europe

In 2002 I travelled to Trondheim, in northern Norway. Trondheim is at the same latitude as Iqaluit, Inuvik, with very intense weather and only 4.5 hours of daylight at winter solstice. Residents also experience a 200 m rise between neighbourhoods. But



## Plan Girl (cont'd)

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students comprise almost a fifth of the population of Trondheim, and they're pushing change. Trondheim boasts the world's northernmost tramway, but the main reason I went there was to check out the "Sykkelheisen Trampe," the city's pioneering 130m bike lift.

The Trampe bike lift began operation in 1993 and was replaced by the updated "CycloCable" in 2012. The system is similar to a ski lift but it's designed for cyclists who put one foot inside a retractable "footplate" while a pulley system gently lifts them uphill. The result is a conveniently located slow and steady boost up a key steep hill, encouraging more cycling trips in the neighbourhood, and certainly sending a signal that cyclists are valued within the transportation network. My own experience with the lift was that it was nerve-wracking. I had rented a bike and had approached the lift with more than a little trepidation. I can liken it to one's first experience with a T-bar ski lift – a feat of engineering with great rewards, but nonetheless daunting the first few times you try it. Falls are not uncommon.

The "CycloCable" in Trondheim is one technological innovation that supports cycling culture. Other tech-heavy approaches include Copenhagen's "Cykelslangen" or Cycle Snake, a bike-only overpass that snakes along to gain elevation without too great a slope, and Holland's many "bicycle highways" that are resplendent with engineered overpasses and underpasses. Signage along these bike highways generally gives bicycles priority over cars at all intersections with motorized roads.

One also finds in Europe a strong push towards electric bikes for goods delivery and passenger transport. A wide range of pilot projects and policy changes have happened across Europe as part of the EU's effort to reduce carbon-heavy trips. European planners have found that the kinds of goods most conducive to e-cargo-bike trips include home-care services, postal service and parcel deliveries, restaurant home deliveries, office supply deliveries and even urban freight deliveries in certain urban environments. One interesting demonstration project run by the Regional Government of Groningen-Assen in northern Holland involved letting businesses test an e-cargo-bike for two weeks for free. The region found that the loans were fully booked for many months and that some of the businesses followed up by investing in e-bikes for their fleets.

Spain's Seville was the host city for Velo-City in 2011. The city demonstrated the advantages of rapidly building cycling facilities. In just 4 years Seville invested \$42 million to complete a network of 78km separated bike lanes and to build a 2,500 strong bike share program. Bike mode share increased from 0.2% to 6.6% in that short time period.

But that doesn't mean that the biggest bang for our buck always comes with a construction price tag. Some high-tech solutions to getting more people on bikes involve the development and distribution of new apps, not new infrastructure. The B-Track-B app which tracks and "rewards" cyclists for their trips by bike, seeks to combine understanding about social marketing, behaviour change and technology to get more people cycling. A case study in Federicia, Denmark found that the B-Track-B app succeeded in getting 50% of the participants to cycle more often.

High-tech solutions to getting more people on their bikes have met with success in Europe. How have they fared in B.C.?

### Lessons from British Columbia

Recently, council for the City of North Vancouver voted 4-3 to study the replication of Trondheim's bike lift in the City. Proponents on council spoke to the potential usability of the technology in regard to North Vancouver City's challenging topography, which is very steep in places, as well as to the power of the bike lift as a signal of the city's support of the cycling community. Opponents of the bike lift on city council balked at the potential cost – estimated to run between \$2,400 to \$3,200 per metre – and emphasized the importance of less mechanical methods for getting more people on bikes.

What are some 'low-tech' bike policy options? The low hanging fruit that has already been picked includes: allowing bikes on Metro Vancouver's SeaBus and SkyTrain; mounting of bike racks on buses; building of shared lanes like sharrows (shared bike/car lanes) and bus/bike-only lanes. Higher cost options include separated or buffered bike lanes and the highest cost ticket items such as bike or pedestrian/bicycle overpasses and underpasses.

Do high-cost efforts get you further? It depends on how you measure costs and benefits. A 2012 study from the University of British Columbia, published in the American Journal of Public Health, found that physically separated bike lanes carried the lowest injury risk for cyclists of any kind of cycling infrastructure, at about one-tenth the risk. It's true that cyclists prefer multi-use paths, such as the East Clayton Greenway in Surrey or the Galloping Goose Trail in the Capital Regional District, just as much as bike-only separated lanes; arguably getting just as many butts on bikes. Should planners advocate that we build those instead? Not so fast. That same 2012 study found that the chance of accidents on multi-use paths rises considerably when compared to separated and buffered bike-only lanes.

What else are we doing around the province?

The City of Penticton has adopted an ambitious Bike and Cycling

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## Plan Girl (cont'd)



*Bike Bridge in Amsterdam, Holland  
Photo Credit: Emilie K. Adin*

Network, with the help of Urban Systems, and has embedded the Bike Plan directly into their Official Community Plan.

The Capital Regional District's 2011 Pedestrian and Cycling Masterplan, prepared by Alta Planning & Design, is very strong. The inter-jurisdictional challenges of implementing such a wide-ranging plan are hard to imagine.

The City of Surrey recently concluded some major bike infrastructure projects, including two illuminated overpasses completed in 2011. The 73 m Pioneer Bicycle Overpass and the 122 m Tynehead Pedestrian and Cycling Overpass had a total tri-governmental shared cost of over \$9.5 million. Both projects had been approved by Surrey Council in 1995, but it wasn't until the stimulus funding on infrastructure from the federal government in 2009 that these two major projects gained traction.

The City of Vancouver has instituted five protected bike lanes in the downtown core and has found that from 2008 to 2011 alone, trips by bike increased by 40% in the city. Vancouver sees this mode-share redistribution as a sign of bicycle mainstreaming that can be directly attributed to the buffered lanes.

High-tech low-paving options have popped up here too. CycleVancouver, Metro Vancouver's cycling trip planner, was an amazing resource: a bike route planning tool that you could find easily on-line, and which let you set your own preferences in terms of what you were up for as a cyclist: choosing a maximum rise in elevation or minimal slopes, choosing between bike separated paths or shared lanes, etc. After choosing your preferences – eureka! – you will dis-

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*Bicycle Sharing Technology*  
*Photo Credit: Emilie K. Adin*

cover your preferred route, and the confidence to jump on your bike to boot. I loved this tool. I'm not saying I loved it more than I would love the separated bikeways – or bike lifts! – that it might help me to find. However, the fact that funding has ended in support of this important tool is something that planners might decry. Let's get this going again in Metro Vancouver; let's get this going everywhere.

Another great on-line tool is BikeMaps.org, which is a crowd-source tool for mapping bicycle safety. Are you or the residents you serve wanting to know where bike collisions, bike hazards and bike thefts have been reported, when planning trips by bike? This is a good resource for you.

Where do the wheels hit the road? High-tech (and high-cost) cycling promotion projects have a place at the table in planning circles. It's a key part of getting more people on bikes more often; and there's an association between some of the

higher cost efforts and keeping cyclists safe, safer and safest. While cycling infrastructure investments are higher in some parts of Europe than in most B.C. communities, we're playing catch-up and more change is to come.

Trondheim, Norway is truly inspirational, no matter what side of the high-tech/low-tech debate you're on. The world's only bike lift is 20+ years old and going strong...until another city gets in the game? 🏠

# Former Planner and CAO retires from the Islands Trust

by Kim Fowler MCIP, RPP

After administering 13 Local Trust Area committees, a 26-member Trust Council, a 4-member Executive Committee, and the Trust Fund Board for the past 12 years, Linda Adams, MCIP, is retiring from being the CAO for the Islands Trust in January. Linda's career started with the Islands Trust 25 years ago as a planner in the Salt Spring Island office. She became the Regional Planning Manager for the island in 1993, then the Director of Trust Area Services in 2001 and the Chief Administrative Officer in 2003. She graduated from the University of Calgary with a Bachelor of Science in Physical Geography in 1978.

The Islands Trust is a federation of special purpose local governments responsible for land use planning and regulation mandated to preserve and protect the islands' unique amenities and environment for residents and all British Columbians. Created in 1974 by Provincial statute, the Islands Trust contains over 470 of BC's southern coastal islands covering approximately 5200 square kilometres with a population of 25,000 residents and another 10,000 people who are non-resident property-owners.

One of Linda's key accomplishments was an innovative new Official Community Plan (OCP) and Zoning Bylaw for Salt Spring Island, both of which were directed by the newly adopted Policy Statement in 1993. The Policy Statement provided a vision to interpret the mandate in further detail and clarify the positions and policies of the Islands Trust. The review of Salt Spring's 25 year-old OCP started in 1994, with a draft prepared 1996 and adoption in 1998. Linda spent 6 months working from home researching and drafting the plan, which included 30 new maps of infrastructure and environmental features that had not been mapped before. The zoning bylaw, adopted in 2001, is understood to be the first to contain extensive charts and diagrams that comprehensively and effectively showed building height, top of bank, parking requirements and zone regulations.

The OCP is understood to be the first in BC to introduce off-site amenities through amenity zoning or to allow for density transfer in a rural environment. Owners of donor sites with valuable environmental or social features could transfer some of or all of their density to developable receiving sites. The agreement between the donating land owner and the receiving land owner

for the density transfer is private. The Salt Spring Local Trust Committee determines approval on dual concurrent rezoning applications for the density transfer between two properties. Linda believes this scheme has saved some significant areas of sensitive and valuable land.

Six new Development Permit Areas (DPAs) were created in the OCP, including the village DPA with detailed design guidelines to control the form and character of the main village areas. The shoreline DPA to protect shoreline resources was used as a model by the Ministry of Environment for years, in its guide for local governments. Today, the Islands Trust participates in Green Shores for Homes, a cross border program between the Islands Trust, San Juan County, and the City of Seattle, encouraging shoreline property owners to protect shorelines using softer "green" approaches. The OCP also created a heritage protection area under the new Local Government Act (LGA) authority to preserve heritage landscapes, in addition to buildings. Salt Spring Island went on to win one of the first LiveSmart BC awards, based on the principles in the OCP.

Another innovation initiated and piloted by the Islands Trust is tax exemption covenants. The Natural Area Protection Tax Exemption Program administered by the Islands Trust Fund enables land owners to save up to 65% of annual property taxes on the portion of land protected by a designated covenant. Hopefully, the Province will amend the LGA soon to permit other local governments to use this protection authority. Approximately 20 land owners have registered covenants on over 75 hectares of environmentally sensitive land through this program.

When asked if the Islands Trust achieved its mandate, Linda's response is generally, yes. She saw the focus change over the years, particularly from solely environmental to broader community issues. Linda recalls being rebuffed during the Salt Spring OCP review for having affordable housing as a topic area. Constant discussion and debate about whether the mandate is being met or upheld occurs for all applications, bylaws and policies. The challenge is how to demonstrate value for these beautiful

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## Islands Trust CAO (cont'd)



*Montague Harbour, Galliano Island*  
*Photo Credit: Courtesy Islands Trust*

green lumps in the sea that 99% of people take for granted. The pressure to change is constant, so this must be measured for consistency with the mandate. Lawsuits and weird and wonderful design proposals that Linda says “just don’t look like that in other communities” are common. One example was the proposed rezoning of an entire bay for a boatel – a floating hotel.

One significant change Linda has seen during her career was advent of the internet, email and geographic information systems (GIS). A student once asked her why only a few water-use refer-

ences were in the OCP, to which she advised she had to write to each water district to ask for paper copies to be mailed. The 25 year-old OCP was typewritten. Best practices sharing was done through talking with other planners on the phone, at meetings or awards recognition events. The internet now enables instantaneous information - more than you can digest! Blogs and distribution lists are also helpful. GIS replaced clunky, layer upon layer of paper maps of differing scales. Cadastral, ortho photos, Google maps, and other property information are now available online for the public, as are meeting agendas, minutes, reports

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Islands Trust CAO (cont'd)

and feedback opportunities. Linda recalls showing school children the first aerial view of their homes with an air photo.

Linda's advice to planners is to be engaged when at work and disengage from it when you leave. Be ethical. Say what you think - have the fierce conversations - say it nicely and give your best advice. She is a strong advocate of experienced planners mixing with young planners - she has learned as much as she has given. She feels fortunate to have had advancement opportunities within the Islands Trust which enabled her to continue to be challenged and develop her career. She was also able to raise her two children on Salt Spring Island. Linda has made a difference in a community for which she deeply cared.

Peter Luckham, Chair of the Islands Trust Council, has worked with Linda for 10 years. He noted Linda is highly respected by her colleagues. Her work on governance has left the Islands Trust in a position second to none (the highest accolade a planner could

receive!), and they are so fortunate she chose to dedicate her career to this special organization.

Linda understands island culture, so key in administration. Perhaps in part, because she lived there, but really because she fell in love with these green gems in the blue sea and their communities who share that love. Linda will continue teaching local government courses at Capilano University. As one of many planners who have had the privilege of working for (and fell in love with, too!) the Islands Trust, thank you, Linda for your many years of service preserving and protecting these treasured islands, waters and communities of the Trust Area, that are essential to the environment, culture and economy of our coastal communities. 🏠

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# Thank You to 2015 PIBC Volunteers

Throughout the year, the Planning Institute of British Columbia relies on the volunteer contributions of our members in moving forward the impactful projects and events that advance and improve the planning profession and the Institute. It is with our heartfelt thanks that we recognize our volunteers in 2015 for their contributions – thank you!

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South Coast Chapter volunteers meeting to discuss upcoming initiatives.  
Photo credit: Christine Callihoo

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## Volunteers (cont'd)

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Ed Grifone MCIP, RPP	Jennifer Hill MCIP, RPP	Lisa Grant MCIP, RPP
Emilie Adin MCIP, RPP	Jhon Mozo	Lisa King MCIP, RPP
Eric Vance MCIP, RPP	Jill Collinson	Lisa Krebs MCIP, RPP
Erica Beasley	Jillian Tamblyn MCIP, RPP	Lisa Spitale MCIP, RPP
Erin Rennie	Joan Chess-Woolacott MCIP, RPP	Lui Carvello MCIP, RPP
Evelyn Riechert MCIP, RPP	John Steil FCIP, RPP	Lynn Wilson MCIP, RPP
Finlay Sinclair MCIP, RPP	Julian Dunster MCIP, RPP	Mandy Stanker MCIP, RPP
Francesca Sanna MCIP, RPP	June Klassen MCIP, RPP	Marc Cittone
Gary Noble MCIP, RPP	Karen MacLeod MCIP, RPP	Margaret-Ann Thornton MCIP, RPP
Geraldine Boyle MCIP, RPP	Karen Russell FCIP, RPP	Marina Steffensen
Gloria Venczel MCIP, RPP	Kari Huhtala MCIP, RPP	Mark Andison MCIP, RPP
Gordon Harris FCIP, RPP	Karin Albert MCIP, RPP	Mark Koch MCIP, RPP
Greg Keller MCIP, RPP	Kasel Yamashita	Mark Stevens MCIP, RPP
Gregory Leighton MCIP, RPP	Kathryn Nairne MCIP, RPP	Marnie Skobalski MCIP, RPP
Gregory Mitchell MCIP, RPP	Katrin Saxty MCIP, RPP	Meeri Durand MCIP, RPP
Gwendolyn Sewell MCIP, RPP	Ken Cossey MCIP, RPP	Megan Squires MCIP, RPP
Gwyn Thomas	Kenna Jonkman MCIP, RPP	Michael Coulson
Hardev Gill MCIP, RPP	Kerri Trace	Michael Dickinson MCIP, RPP
Helen Lee MCIP, RPP	Kerry Pateman MCIP, RPP	Mike Gau MCIP, RPP
Iain Bourhill MCIP, RPP	Korbin daSilva MCIP, RPP	Nancy Dubé MCIP, RPP

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*(continued next page)*



## Volunteers (cont'd)

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Nancy Knight MCIP, RPP	Robert Buchan FCIP, RPP	Shannon Tartaglia MCIP, RPP
Neal LaMontagne MCIP, RPP	Robert Knall MCIP, RPP	Sharon Horsburgh MCIP, RPP
Neil Connelly MCIP, RPP	Robert Lawrance MCIP, RPP	Signe Bagh MCIP, RPP
Nicholas Danford	Robert Veg MCIP, RPP	Simon Lapointe MCIP, RPP
Noha Sedky MCIP, RPP	Robert White	Siobhan Murphy MCIP, RPP
Odete Pinho MCIP, RPP	Rod Martin MCIP, RPP	Susan Hallatt MCIP, RPP
Pamela Shaw MCIP, RPP	Ronald Mattiussi MCIP, RPP	Suzanne Smith MCIP, RPP
Patricia Dehnel MCIP, RPP	Ross Soward	Tanishka Gupta
Patricia Maloney FCIP, RPP	Roy Hales MCIP, RPP	Teresa Kaszonyi
Patrick Coates MCIP, RPP	Ryan Hennessey MCIP, RPP	Terry Crowe MCIP, RPP
Paul Crawford MCIP, RPP	Ryan Roycroft MCIP, RPP	Timothy Barton MCIP, RPP
Paul Dupuis MCIP, RPP	Samantha Charlton	Tomoko Hagio MCIP, RPP
Paul Thompson MCIP, RPP	Sara Muir-Owen MCIP, RPP	Travis Nagy
Rhonda Eager MCIP, RPP	Sarah Crawford	William Ulrich MCIP, RPP
Richard White FCIP, RPP	Sarah McJannet MCIP, RPP	Zoë Morrison MCIP, RPP

## Special Thanks to our 2015 Continuous Professional Learning (CPL) Webinar Presenters

Daniella Fergusson MCIP, RPP, MODUS	Gordon Price, SFU City Program
Amanda Mitchell, City of Vancouver	Mayor Greg Moore, City of Port Coquitlam
Tracy Vaughan, City of Vancouver	Ben Clark, BC Climate Innovation and Solutions Branch
Jamie Sanchez MCIP, RPP, Sanchez Wood & Associates	Erik Kaye, BC Climate Innovation and Solutions Branch
Christine Callihoo MCIP, RPP, Counterflow Community Planning Inc.	Karen Tam Wu, Pembina Institute
Bill Buholzer FCIP, RPP, Young, Anderson	Carolyn Gisborne, BC Building and Safety Standards Branch
Terri-Lee Oleniuk, Osler, Hoskin & Harcourt LLP	Lee Nicol, BC Building and Safety Standards Branch

# PIBC Council Notes

by Ryan Noakes, Manager of Member Programs & Services

## September, 2015

On September 25th, 2015 the PIBC Council met in Vancouver.

### CIP Delegations

Hazel Christy MCIP, RPP, CIP President, provided an update on CIP's activities and work to reorganize and move forward following July's AGM in Saskatoon. Karen Cooper MCIP, RPP, Member of the CIP FutureFORWARD Task Force, provided updates on their work developing recommendations for the ongoing renewal and future of CIP.

### President

Daniel Huang MCIP, RPP reported on recent activities of the Professional Standards Board (PSB) and of the Executive Committee, outreach with allied organizations and upcoming meetings with some of this year's PIBC Award winners.

### Council & Governance

Council reviewed and approved the 2015-2017 Strategic Plan.

Council also reviewed and approved a revised administrative policy for the Executive Committee, and further appointed Carole Jolly MCIP, RPP to the Committee for the remainder of the current two-year term.

Council discussed a legal matter in camera.

### Administration & Finance

Executive Director, Dave Crossley, reported on ongoing and key activities at the PIBC Office.

Secretary-Treasurer, Andrew Ramlö MCIP, RPP, presented the Institute's unaudited 2015 year-to-date finances for information.

Council reviewed and approved a policy to collect applicable CIP membership fees and insurance premiums from members and remit such to CIP in accordance with the affiliate agreement with CIP. Council also approved the revised schedule of membership and other fees for 2016.

Secretary-Treasurer, Andrew Ramlö MCIP, RPP reported on the possible establishment of a research fund for the Institute.

### Member Programs & Services

Executive Director, Dave Crossley, reviewed the financial report from the 2015 Annual Conference and noted the conference concluded with a nominal financial surplus.

### National Affairs

Council reviewed information regarding the ongoing reorganization and possible restructuring of CIP as well as relations between CIP and some other Provincial and Territorial Institutes.

Council reviewed and approved a request from CIP regarding the joint 2020 National Conference, subject to the successful conclusion of a regular joint conference agreement between CIP and PIBC.

Council endorsed the nomination of Karen Russell FCIP, RPP to serve on the CIP Fellows Selection Committee.

Council reviewed and approved the final proposed amendments to the Joint Agreement to Establish a Professional Standards Committee (PSC) for the Planning Profession in Canada.

PSC Representative, Andrew Ramlö MCIP, RPP reported on ongoing and key activities of the Professional Standards Committee (PSC).

### Committee Reports & Business

Membership: Council approved the admission of a number of new members, and a number of membership transfers and changes. Council unanimously approved the admission of Darlene Marzari to Honorary membership in the Institute as recommended.

### Local Chapters

Yukon: Council reviewed a report regarding the upcoming Northern Planning Conference, for information.

*(continued next page)*



## Institute Representative Reports & Business

Lui Carvello MCIP, RPP provided an update regarding the Land Title and Survey Authority, for information.

## Other Business & Correspondence

Council reviewed and approved waiving the first year of membership fees for those students enrolled in the Vancouver Island University Master of Community Planning Program, who apply as students and become Public Subscribers with the Institute.

## Next Meeting(s)

It was noted that the next regular meeting would be held Saturday, November 7, 2015 in Vancouver, in conjunction with the 2016 Budget Workshop and World Town Planning Day gala event.

## November, 2015

On November 7th, 2015 the PIBC Council met in Vancouver.

### President

Daniel Huang MCIP, RPP provided an update regarding community meetings with 2015 PIBC Award winners as well as meeting with member volunteers at the Chapter Representative meeting last month.

### Council & Governance

Council reviewed the work to-date on the various goals and tasks from the 2015-2017 Strategic Plan.

President, Daniel Huang MCIP, RPP reviewed the purpose of a new standing item on the Council meeting agenda for Committee Chairs to briefly provide an update on their respective activities.

Council approved the appointment of Zoë Morrison MCIP, RPP, Linda Gillan and Michael Coulson to the Membership Committee for the remainder of the current two-year term.

Council discussed a legal matter in camera.

### Administration & Finance

Executive Director, Dave Crossley, reported on ongoing and key activities at the PIBC Office.

Secretary-Treasurer, Andrew Ramlö MCIP, RPP, presented the Institute's unaudited 2015 year-to-date finances for information.

Council approved and adopted the Institute's 2016 Budget as developed and discussed at a budget workshop held earlier in the day.

Council reviewed and approved a new administrative policy regarding the Institute's financial reserves.

## Member Programs & Services

Executive Director, Dave Crossley, provided an update planning and preparations for the Institute's upcoming 2016 Annual Conference. Council reviewed and approved the budget for the 2016 conference.

## National Affairs

Andrew Young MCIP, RPP reported that the CIP FutureFORWARD Task Force Report is complete and now available. It was also reported that the various national committees are getting restarted and that CIP is now separately invoicing members in Ontario directly for their 2016 CIP membership fees.

Council reviewed and approved the new and updated Membership Standards Manual as developed and endorsed by the Professional Standards Committee (PSC).

## Committee Reports & Business

**Membership:** Council approved the admission of a number of new members, and a number of membership transfers and changes.

**Professional Practice:** Council approved the appointment of Ken Cameron FCIP, RPP, Lindsay Chase MCIP, RPP, Kent Munro MCIP, RPP and Richard White FCIP, RPP to the Institute's Professional Practice Review Committee for the remainder of the current two-year term.

## Local Chapters

**Vancouver Island-South:** The Chapter's 2014 annual report was reviewed. Council approved receipt of the report and the release of the Chapter's 2015 annual seed funding. 🏠

# Membership Committee Report

Congratulations and welcome to all the new PIBC Members!

## by Ryan Noakes, Manager of Member Programs & Services

At its meeting of September 25, 2015, it was recommended and approved that Council admit the following individuals to membership in the Institute in the appropriate categories as noted:

### Certified:

Kristin Aasen  
Chee Chan (Transfer from OUQ)  
Kim Fowler (Transfer from APPI)  
Julian (Jules) Hall (Transfer from APPI)  
Deborah Herbert (Transfer from OPPI)  
James LaPointe (Transfer from OPPI)  
Corey Newcomb  
Tatsuyuki Setta (Transfer from SPPI)  
Sean Tynan

Ignatius But (UBC)  
Caroline Chen (UBC)  
Arielle Dalley (UBC)  
Marilyn Emily Dixon (Transfer from SPPI)  
Cristyn Edwards (UBC)  
Brett Freake (UBC)  
Emily Gray (UBC)  
Jessica Hayes (UBC)  
Ernette Hutchings-Mason (UBC)  
Xiong Jia (UBC)

### Candidate:

Spencer Andres (Transfer from APPI)  
Rebecca Augustyn  
Lucas Berube  
Graeme Jones  
Stephen Takyi  
Ren Thomas (Transfer from OPPI)

Fausto Kadomoto Inomata (UBC)  
Janet Kivett Knight (UBC)  
Stefan Larose (UBC)  
Allison Lasocha (UBC)  
Tao Luo (UBC)  
Dustin Lupick (UBC)  
Sarah Marshall (UBC)  
Andrew Martin (UBC)  
Kristy McConnel (UBC)  
Hollie McKeil (UBC)  
Tess Munro (UBC)  
Meghan Murray (UBC)  
Lucas Ozols-Mongeau (UBC)  
Claudio Pareja (UBC)  
Mike Phillips (UBC)  
Cail Smith (UBC)  
Aylin Tavakoli (UBC)  
Lucas Vanderzalm (UBC)  
Vivian Wong (UBC)  
Anna Zhuo (UBC)

### Retired:

Gae Van Siri

### Pre-Candidate:

Kirsten Baird  
Jennifer Clark  
Carolyn Gisborne  
Nick Hardy  
Katelyn Hipwell  
Curranne Labercane  
Kathleen Lemon  
Patrick Oystryk  
Sarah Preston

### Public Subscriber:

Stephen Watt (Reinstatement)

### Student:

Jordan Brown (UBC)

It was further recommended and approved that Council approve and/or acknowledge the following membership transfers and changes in membership status for the following individuals as noted:

Rick Brundrige	From Certified To Member on Leave
Heather Kamitakahara	From Certified To Member on Leave
Virginia Holden	From Member on Leave To Certified
Lisa King	From Member on Leave To Certified
Sarah E. Ross	From Member on Leave To Certified
Jason Smith	From Member on Leave To Certified
Jenyfer Neumann	From Member on Leave To Candidate

# Membership Committee Report

Congratulations and welcome to all the new PIBC Members!

by **Ryan Noakes, Manager of Member Programs & Services**

At its meeting of November 7, 2015, it was recommended and approved that Council admit the following individuals to membership in the Institute in the appropriate categories as noted:

## **Certified:**

Robyn Holme  
Lauren Morhart  
Claire Negrin (Transfer from APPI)  
Jan Thingsted  
Graham Winterbottom (Reinstate)

## **Candidate:**

Stina Hanson  
Sandra Shanoada  
Amanda Taylor  
Rachelle Trovato

## **Retired:**

Erik Karlsen

## **Pre-Candidate:**

Jonathan Boron (SFU)  
Chloe Boyle (SFU)  
Morgan Braglewicz (SFU)  
Tyler Carlson (SFU)  
Mary Cascadden (SFU)  
Karen Compton (SFU)  
Michael Huck (SFU)  
Jeff Lemon (SFU)  
Amy Miele (SFU)  
Elizabeth Mosier (SFU)  
Victoria Postlethwaite (SFU)  
Michelle Vandermoor (SFU)  
Katherine Zmuda (SFU)

## **Student:**

Jonathan Boron (SFU)  
Chloe Boyle (SFU)  
Morgan Braglewicz (SFU)  
Tyler Carlson (SFU)  
Mary Cascadden (SFU)  
Karen Compton (SFU)  
Michael Huck (SFU)  
Jeff Lemon (SFU)  
Amy Miele (SFU)  
Elizabeth Mosier (SFU)  
Victoria Postlethwaite (SFU)  
Michelle Vandermoor (SFU)  
Katherine Zmuda (SFU)

## **Public Subscriber:**

Stephanie Allen  
Mercedes Beaudoin-Lobb  
Marli Bodhi  
Katie Burridge  
Keltie Chamberlain  
Devan Cronshaw  
Benafshaw Dashti  
Teunesha Evertse  
Rushi Gadoya  
Peter Johnston  
Darren Lucas  
Justin Tyndall  
Megan Walker  
Cheryl Yip

It was further recommended and approved that Council approve and/or acknowledge the following membership transfers and changes in membership status for the following individuals as noted:

Angela Davies	From Certified To Member on Leave
Laurie Cordell	From Certified To Member on Leave
Parissa Shafizadeh	From Certified To Member on Leave
Lauren Morhart	From Candidate To Member on Leave
Lauren Sanbrooks	From Candidate To Member on Leave
Teresa Fortin	From Member on Leave To Certified
Taryn Hayes	From Member on Leave To Certified
Rebecca Newlove	From Member on Leave To Certified
Rachelle Rondeau	From Member on Leave To Certified
Lisa Josephson	From Member on Leave To Candidate
John Galt Wilson	Deceased





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