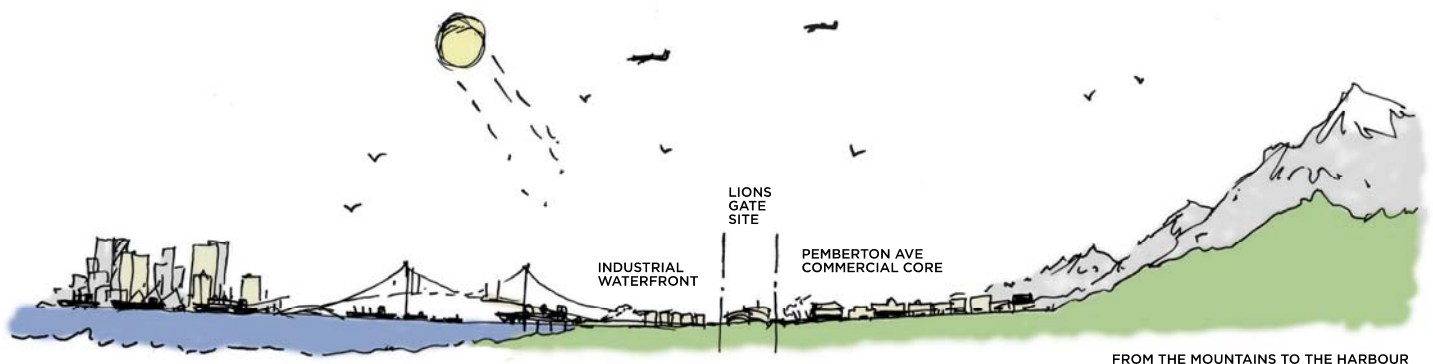


**Metro Vancouver  
Lions Gate Secondary Wastewater Treatment Plant**

**Summary Report  
Integrative Design Process Workshop #1 – Public Involvement  
Alignment around Purpose and Process  
10 September 2012, 5:15pm – 9:00pm**

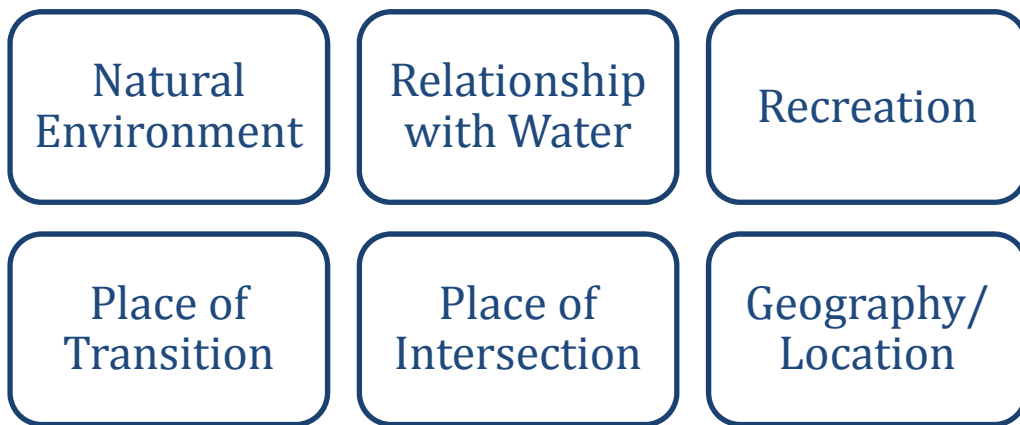


Part 1: Summary of Public Involvement Workshop Themes and Outcomes

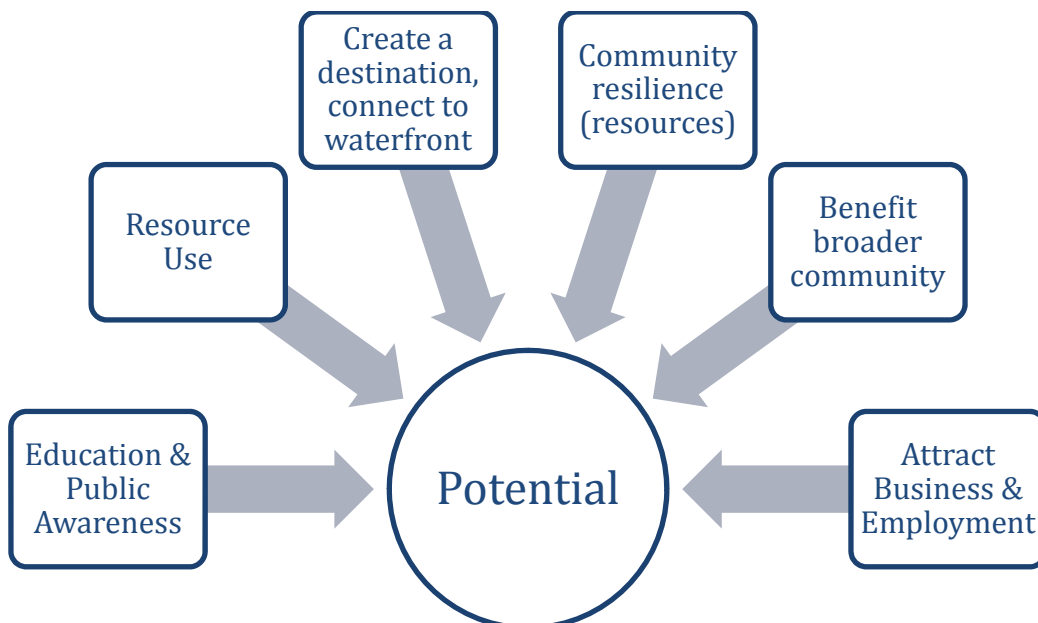
Workshop #1 – Align around Purpose and Refine Process Road Map

**Objective:** To align the Lions Gate Secondary Wastewater Treatment Plant (LGWWTP) project team and community participants around the purpose and process that will guide the direction and outcomes of the project.

*What makes this place unique?*



*What is the potential?*



## Part 2: Summary of Proceedings and Discussions

### Introductions – Fred Nenninger

- Review of 4 Project Objectives
- Introduction to IDP Facilitators
- Introduction of attendees
- [Metro Vancouver Roadmap to Sustainability](#), and the Sustainability Imperatives

### Metro Vancouver Sustainability Imperatives

1. Have regard for local and global consequences and long term impacts
2. Recognize and reflect the interconnectedness and interdependence of systems
3. Be collaborative

### Project Purpose – John Boecker

- aiming to build the inspiration and to build the will to implement the sustainability roadmap
- presentation of project purpose statement

#### Project Purpose

To develop a project definition report for the Lions Gate WWTP by implementing an integrative process that guides and inspires higher performance and continually improves engagement around issues of sustainability in the community and nearby watersheds,

In a way that engages project participants to experience our role in the water cycle and deepen our understanding of how the business of wastewater management can positively affect it,

So that the project manifests the practical application of Metro Vancouver's vision for a sustainable region and sets a new standard for Wastewater Treatment Plants as a community asset.

### Attendee Reflections and Reactions to Project Purpose

- does not capture respect to rate payers, minimum cost and risk
- economic prosperity – wondering what this means?
- Observation – argue that the end product is totally different than anything that has been built before, if we are to achieve the principles. Whole resource recovery, application of renewable energy, water re-use. Not been achieved to date at MV.
- Are we suggesting that this project is going to be totally different than the other secondary treatment plants built in the region? Does this mean that the other plants do not have any of these attributes?
- Can the group know what the current bar is for WWTPs, as a baseline that needs to be exceeded? MV said this can be provided.
- Secondary treatment does not fit with water reuse, under current BC legislation – would need to be tertiary.
- Will need to be odour free

### **IDP Process and Public Involvement – Marie Griggs**

- Connection between public involvement and IDP: periodic touch points between the two
- CRF is open to whomever would like to attend
- Separate meetings for LGPAC outside of IDP workshops
- Public meeting late November, LGPAC and CRF are encouraged to attend

### **IDP Process Arc – Bill Reed**

- Slowing down the design process in the beginning helps to achieve systemic integration and can speed up the later stages of the process
- Not working just on an object (WWTP), working on effective performance results
- First stage is the discovery process, using fact-based conversations.
- Overview of the seven workshops (see figure on last page).
- How information from the community will be used; no design has been done yet.
- Facilitator’s job is to ensure that integration is happening around the four project objectives

### **Initial Site Research (Evolution from Pre-Human Development to Current Day) - Scott Wolf and Sarah Primeau**

- glacial deposits for geological makeup which has supported the development of the ecology and vegetation
- tidal flats, historically fed with silt from rivers (pre construction of the dam)
- construction of Lion’s Gate bridge in 1930s, followed by industrial development that built up the waterfront
- site sits on historic waterfront, but waterfront has since been extended
- expected future increase in port and rail traffic, overpass over rail for vehicle and passenger traffic
- Proposed park near waterfront
- Future development of Lower Capilano Marine Drive and Harbourside
- Potential future hazards: earthquake liquefaction, tsunami flooding, McKay Creek flooding, sea level risk in the event of climate change
- Emphasis placed on thinking beyond the property line

### **Questions from Attendees**

- who owns the small parcel of land to the east of the site?
- Will there be an opportunity to visit the site? Would like to be guided by someone who has authority to be on the site.

## Eliciting Local Knowledge of the Site (essence of the site) – John Boecker

**Breakout Discussion #1 – What is it that makes this place unique or special? What do you love about it? What do you dislike?****Natural Environment**

- sense of pride
- proximity to nature
- sense of place is connected to natural systems

**Recreation**

- opportunities readily available
- good recreational opportunities linked to pride in place

**Water**

- Creeks
- Inlet waterfront
- High annual rainfall (12-1400mm pa)
- Man-made collection and distribution systems
- Geography assists with water distribution and collection (economic benefit) although some pumping is required
- Connects people
- Some of the watersheds could be healthier
- Flows of water are visible

**Geography & Location**

- located in the heart of the community
- proximity to industry and residential may provide opportunities for heat exchange (but may be greater opportunities elsewhere)
- site is flat, long, and narrow (common pattern of land use on north shore)
- can be seen from bridge
- view from site is great if elevated

**Intersection**

- site is at the intersection of industrial and residential
- intersection of N/S natural flows and E/W flows of people or man made structures
- potential to be a place of intersection between people and water (café, meeting place, etc.)
- site as a node, where everyone can come

**Transition**

- between land and inlet
- residential to industrial
- past use to current/future use
- land has been idle for some time
- opportunity to give definition to the place
- re-establish linkage to waterfront
- evolving use of adjacent lands may present opportunities for shared resources for industrial investment

Note: photographs of the flip chart recordings are available upon request.

### Value Adding Processes – Bill Reed

How does the uniqueness of this place support these four objectives? What are the value adding processes that you can identify, associated with these four? How can we find mutually beneficial relationships between value adding processes (VAPs) so we can achieve greater value for less?

**Breakout Discussion #2 – Think about a task that is related to your work or your job that you need to accomplish. Talk about how you would engage that task if you also wanted to bring value to yourself, your family, or your community.**

This question was discussed at tables to provide some personalized insight into VAPs.

**Breakout Discussion #3 – What is it about this project that will add value to each of the four project objectives? (Sustainability, Community Asset, Integrated Resource Recovery, Secondary Wastewater Treatment)**

Each of the five groups began their discussion using one of the project objectives as a starting point. Photographs of the flipcharts from conversations are available upon request.

### *Reflections from Breakout #3: What can be said about the potential of this project?*

- Scope is bigger than originally thought: resource recovery, fall on effects, community resilience; looking at ways using resources as feedstocks, lowers our bills (from IRR perspective)
- Community – Tried to use perspectives of people not in the room. Strategies of IRR – what can we put into the process that transfers the waste into amenities that serve the community. Amenities begin to attract new or green businesses to area; relates to economic opportunities, jobs, etc.
- Developing linkages to other parts of the community, education. Informing people of the benefits of the treatment facilities employed on site. Adding value to larger community than the community that's here
- SW facility in Burns Bog had a greenhouse facility, but that facility went bankrupt. Long term feasibility needs to be considered. How can you get the long term commitment?
- Awareness – starting the process of behavior change, taking the first steps makes it easier to take subsequent steps. Can awareness change habits? E.g. – separating organics, plastics, etc. makes aware of waste generation.

**Question to the Design Team – How did this contribution from the public help your process?**

- Opens up thinking beyond the property line
- Provides more context to site
- Emerged joy and celebration that the concept of a black box has died and is replaced by a community asset
- Can become a park, a destination
- Will bring the entire community together as one. Not about the physical object
- Can achieve greater changes – what people are flushing down the toilet, etc. Potential for larger behavioral change

**General Comments from Attendees**

- Port of MV and the municipalities are missing from the conversation. Would be useful to have their participation at this level
- Squamish First Nation (SFN) is not involved? Response from MV: SFN engaged separately, waiting to hear back on how they would like to be engaged. Working through a process
- IRR – business case for IRR will need to be fully documented
- Timing with Seaspan and the OCP is critical – things are happening quickly

**Preparation for Workshop #2 – Potential, Metrics, and Performance**

What challenges will we face in achieving these objectives? Is there a way that these challenges can become opportunities?

Next workshop is about clearly defining potential, metrics, and performance

- What targets should we set?
- How will we measure performance?

**Question to Attendees: What needs to be researched between now and next meeting?**

Information

- Information on new federal legislation
- Site location decision making and rationale
- Evaluation of selecting one centralized site rather than two sites
- Decision making process for future project decisions

Process

- Attendees would like to participate in developing agenda
- Will regulators be participating in the process?
- Share agenda and information earlier to allow for preparation.

**Closing Reflections - What shifts have taken place in you this evening, as a result of this process?**

- Cautious optimism – that what we're doing has some great opportunity and potential as long as we stay focused and get our priorities right
- Lots of positive things that I want to focus on, but lots of questions about the foundation we're building on.
- Big thing is that we all came with great energy – by having a diversity of players, combines caution and optimism – value of diverse voices

- Would like to learn more about what other tables discussed. Can't comment on what shifted because doesn't know what was learned at other tables.

Overview of Integrative Process

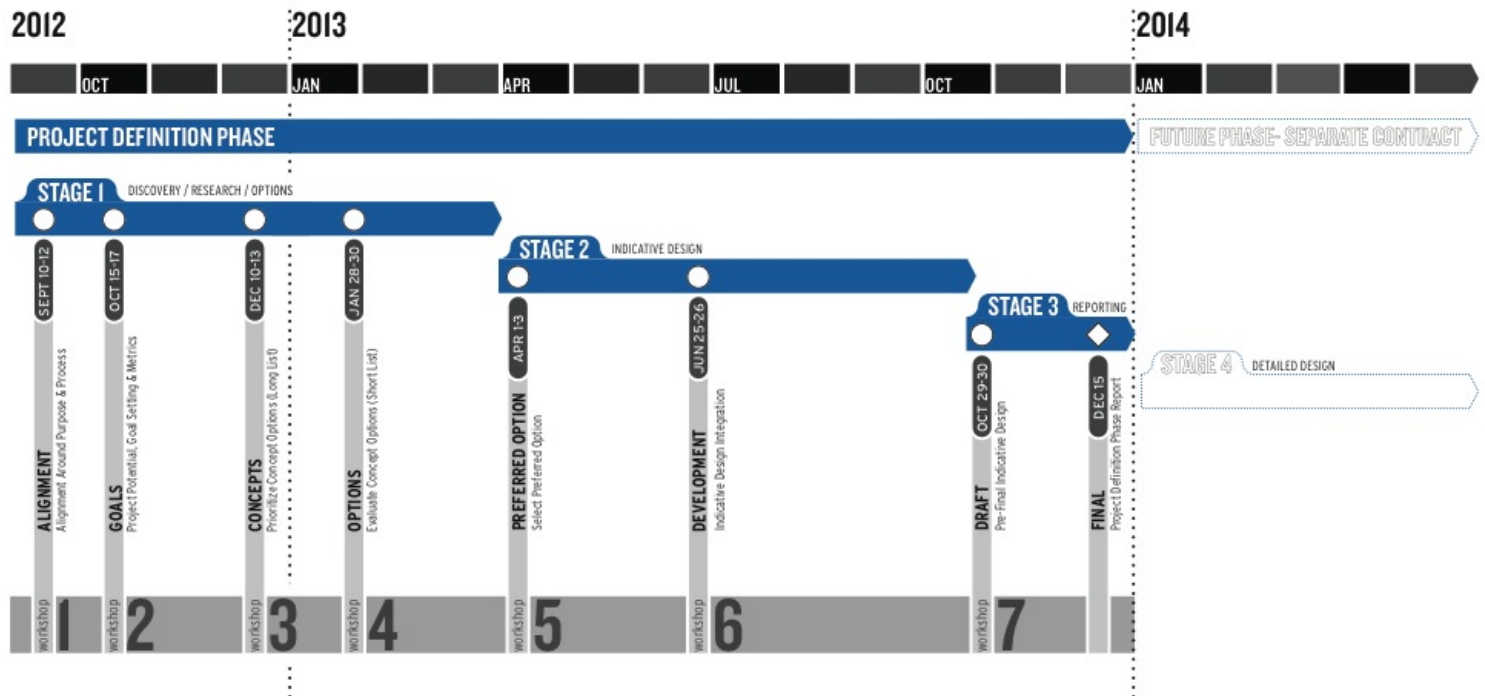


Image courtesy of The Miller Hull Partnership Ltd