Salt Spring Island
Watershed Protection Authority
Special IWM Program Meeting Agenda July 29 2016

Date of Meeting: **Friday July 29, 2016 10:30 am – 12:30 pm**

Location: **145 Vesuvius Bay Road, CRD Portable, Salt Spring Island, B.C.**

1. CALL TO ORDER and APPROVAL OF AGENDA

2. BUSINESS ITEMS

2.1 IWM Program Purpose and Objectives - *attached (p 1)*

2.1.1 Activity: "Strategy-Discovery Diagram"

outcome: approval/edit purpose

2.1.2 Paired activity: objectives

outcome: approval/edit objectives

Short Break

2.2 Discuss Working Group Workplan Development Strategy

- Sub-objectives flow charting

2.3 Review and edit task lists for each SSIWPA committee

- *see attached (pp 2-5)*

2.4 Draft next steps for SC, timeline, financial needs

3. QUESTIONS/COMMENTS FROM OBSERVERS, AND PUBLIC

4. UPCOMING MEETINGS of the Steering Committee

Friday August 29. 2016 **SPECIAL TIME AND PLACE**
Lion's Hall 103 Bonnet Ave.
9:30 - 10:50am

5. ADJOURNMENT

IWM Program Charter: Purpose and Objectives

What and Why? IWM Program Purpose

The IWM Program for Salt Spring Island will quantify the total combined fresh water supply for Salt Spring Island for the next 50 years, within a range of predictable climate change extremes, considering renewability of the resource, and environmental impacts, in order to facilitate sustainable community planning and policy.

How? IWM Program Main Objectives

Quantify (within climate change extremes) the available freshwater resources that can be harvested from:	lakes
	groundwater
	rain
Assess the current Official Community Plan (OCP) to determine whether it is compatible with the quantification of freshwater resources available and, if not, make recommendations that would reconcile the two.	
Promote efficient water use and build supply capacity through research, testing and policy development for:	water conservation
	distribution efficiencies
	assessment of new potential groundwater sources
	rainwater harvesting & grey water recycling
	incentivization measures
Consider staged revisions to the OCP to allow development as and when progress with conservation and other efficiency measures permit.	

IWM Program Charter: Purpose and Objectives

1 SC TASKS

1.1 coordinated development of an Integrated Water Management Plan for the island
1.1.1 make decisions about project scope and priorities
1.1.2 coordinate and manage workplans for working groups
1.1.3 fundraising (with member agencies, others)
1.1.4 communicate with provincial government re: potential legislative obstacles
1.1.5 consider impacts on water consumption of increased agricultural activity
1.1.6 communicate with SSIWPA member agencies
1.1.7 policy review and development together with member agencies
1.1.8 manage and plan for strategic and process issues

IWM Program Charter: Purpose and Objectives

2 CO-ORD TASKS

2.1 administer and facilitate (logistics, agendas, minutes, effective conversations and decision-making)
2.2 assist in preparation of project work plans and budgets
2.3 assist in developing and evaluating proposals for external funding and QP service contracts (Islands Trust Policy 6.5 iv Grants Admin)
2.4 assist with oversight and communications with consultants for IWM-related projects, following guidelines and protocols of member agency entering into contract
2.5 monitor progress and facilitate inter-group and intra-group reporting
2.6 assist with writing of funding proposals, according to
2.7 organize and facilitate public outreach and public consultation on IWM projects/program
2.8 coordinate the development of written materials and public messaging, such as management plans, letters, website news posts, newsletters, surveys, advertisements, events, etc.

IWM Program Charter: Purpose and Objectives

3 TWG TASKS

3.1 **SSI Water Budget (Supply and Demand)**

3.1.1 quantify freshwater supply source volumes

3.1.1.1 supply estimates for new and existing surface water sources

3.1.1.1.1 Ganges treatment plant output potential (agriculture, fire, other)?

3.1.1.1.2 modifications to surface water storage (diffuse runoff/stream to lake input management)

3.1.1.2 supply estimates for new & existing SSI groundwater sources (wells, aquifers, GIS)

3.1.1.2.1 potential community well developments (e.g. Maxwell aquifer, other)

3.1.1.3 climate change impacts on supply estimates - plan for uncertainty

3.1.1.4 identify critical info gaps or data inconsistencies in supply estimates

3.1.1.5 quantify/estimate environmental impacts of supply source usage volumes/scenarios (ie. environmental flows for wildlife, etc.)

3.1.1.6 peer review the work of CEWG on the state of technology wrt alternative supplies

3.1.2 quantify demand scenarios

3.1.2.1 benchmark consumption (residential, agricultural/commercial, industrial)

3.1.2.2 quantify total SSI consumption within a range

3.1.2.3 determine implications/relationships between consumption scenarios and source management

3.2 **SSI Water Quality**

3.2.1 provide technical review of water quality science to inform watershed management plan development and implementation (in some cases collect and analyze datasets)

3.2.2 technical assessment of stewardship actions and best management practices (e.g. prevention of contamination, lower or eliminate nutrient loads, etc.)

3.3 **assess technical cost/benefit ratio for SSI Water Budget & watershed management planning and actions**

3.4 **advise SC on policy and legislation from technical/scientific perspective**

IWM Program Charter: Purpose and Objectives

4 CEWG TASKS

4.1 assess current sources of freshwater supply: state of the technology for conservation, efficiency
- **4.1.1** Audit water delivery and distribution systems, and recommend possible efficiencies
- **4.1.2** assess cost: benefits ($, environmental, personal/societal, etc.)

4.2 assess alternative sources of freshwater supply: state of the technology
- **4.2.1** rainwater
- **4.2.2** greywater
- 4**.2.3** wastewater reuse
- **4.2.4** desalination
- **4.2.5** assess cost:benefit ($, environmental, personal/societal, etc.)
- **4.2.6** explore incentives to use in other localities (subsidies, building code, zoning changes, tiered rates, etc.)

4.3 advise SC about existing or new legislation from conservation and efficiency perspective

IWM Program Charter: Purpose and Objectives

A1 SC Focus

A1.1 integrated water governance
A1.1.1 formulate strategies and make decisions based on recommended actions (TWG and CEWG work)
A1.1.2 policy development
A1.1.3 coordinated management

A2 CEWG Focus

A2.1 assess state of technology for conservation and efficiency by water consumers on SSI
A2.2 assess state of technology for conservation and efficiency by water suppliers/delivery on SSI
A2.3 supply-side capacity-building (work with TWG to review and assess technologies and cost: benefits for alternative strategies for SSI source water supplies

A3 TWG Focus

A3.1 supply side quantification (review of data on hydrology, hydrogeology; mapping and modelling)
A3.2 supply side capacity-building (work with CEWG to review and assess technical cost:benefits for alternative strategies for SSI source water supplies)
A3.3 raw water quality (review and assess data, provide technical recommendations)