Windsor Solutions, Inc.

Exchange Network

Leveraging Tribal Programs: Coast to Coast Cooperative Solutions

Wednesday, May 4, 2011

NCAI Exchange Network Conference 2011
To provide a contractor’s perspective of implementing cooperative solutions.
Topics

- Windsor Overview and Discussion of Role in Process
- WQX Exchange Timeline
- Compare and Contrast Participants
- How Sharing Really Works
- Common Challenges
- Benefits of Sharing Solution
- Questions
Introduction to Windsor

- Founded in 1998, headquartered in Lake Oswego, Portland, OR
- Primarily focused on Environmental Information Systems
- National reputation working with environmental agencies
- Specialists at integrating environmental information
- Financially stable, no external funding
- Track record of delivery on time and within budget
- Exchange Network Specialists
Windsor’s Role in Process

- Promotion of Build Once, Use Many!
- Provide a Framework for Success
- Assist in Discovery of Needs/Requirements Definition
- Facilitation/Mediation of Shared Requirements
- Assist in Exploration of Known Implementation Options
- Design and Develop New System Components, if Needed
- Assist in Solution Implementation
- Provide Data Migration Support
- Provide Exchange Network Support
- Provide Training on Solution
Timeline

Stillaguamish
- 7/07 - 8/07: Noise/Plume
- 8/07: Production Implementation
- 4/10 - 7/11: Regular View
- 7/11: Production Implementation

NWIFC
- 5/09 - 11/09: NWIFC Design/Develop TWQD
- 11/09 - 5/11: NWIFC Supports Tribal Implementations/Training
- 11/09: Production Implementation

St. Croix
- 2/10 - 6/10: Client
- 6/10: Production Implementation

USET
- 4/10 - 11/10: SuperNode/Spatial
- 11/10 - 5/11: Support Period
- 11/10: Production Implementation

Seldovia
- 4/10 - 11/10: Node/Spatial/Excel Upload
- 11/10 - 4/11: Support Period
- 11/10: Production Implementation

Port Gamble
- 8/10 - 11/10: Implement TWQD
- 11/10: Production Implementation
## Compare and Contrast Participants

<table>
<thead>
<tr>
<th></th>
<th>Data Management</th>
<th>Data Exchange</th>
<th>Data Sharing</th>
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<tbody>
<tr>
<td></td>
<td>TWQD</td>
<td>Excel (with Upload)</td>
<td>MS Access</td>
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<tr>
<td>NWIFC</td>
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<tr>
<td>Penobscot Indian Nation</td>
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<td>✓</td>
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<tr>
<td>Port Gamble S’Klallam Tribe</td>
<td>✓</td>
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<tr>
<td>Seldovia Village Tribe</td>
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<td>✓</td>
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<tr>
<td>Stillaguamish Tribe of Indians</td>
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<tr>
<td>St. Croix Chippewa Indians</td>
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<td>USET</td>
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Compare and Contrast Participants

The NWIPCE WQX Exchange Network Client is a software application which provides partners of the Northwest Indian Fisheries Commission (NWIFC) with the ability to exchange ambient water quality information amongst tribes, the NWIPCE and the EPA by means of the Exchange Network's Water Quality Exchange (WQX).

- **Provide Data to EPA/NWIPCE/Partner**
  - Submit WQX data to the EPA, NWIPCE or an Exchange Network Partner.

- **Import Data from NWIPCE**
  - Download WQX data from NWIPCE to store in database.

- **Activity History**
  - View the history of activities performed by the application.

- **Configuration**
  - Specify configuration options for this application.

Developed by Windsor Solutions, Inc. for the Northwest Indian Fisheries Commission and its member tribes.

WINDSOR SOLUTIONS, INC.
Environmental & Health Information Systems
Compare and Contrast Participants
How Sharing Really Works

- Establish Sharing Agreement with Original Partner
- Explore Needs and Requirements
- Explore Known Options
- Reconcile Differing/Competing Needs
- Design New/Changed Components
- Checkpoint
- Adjust Existing System As Required
- Develop New System Components
- Implement System and Provide Training
- Provide Updated Components Back to Original Partners
Challenges

- Establishing Sharing Agreement, if Needed
- Facilitation Amongst Partners and Reconciliation of Needs
- Establishing Trading Partner Agreements
- Developing Client/Contractor Partnership
- Management of Multiple Versions of System Components and Multiple Developing Organizations
Benefits of Sharing

- Incrementally Enhanced and Improved
- Solution Evolves Based on Real Needs
- One Organization Is Not Responsible for Shouldering the Burden/Cost of Designing and Developing the Entire Solution
- Multiple Perspectives Can Lead to a More Robust/Scalable Solution
- Agreed Data Format for Better Compatibility/Interpretation
- Rich Documentation Suite and Training Materials Developed
- Shared Knowledge/Support for Solution → Reduced Reliance on Contractor
Questions?