



**PETROLEUM EMERGENCY MANAGEMENT CONSORTIUM  
SHARED SITUATIONAL AWARENESS SYSTEM**

## Agenda

Developments in the past year

Established key requirements

Brief overview of functional specifications

Introduction to the application framework

Review important details of the proposed solution

- a. Investment \$
- b. What are you going to receive
- c. License use
- d. CLOUD based SAAS
- e. Annual maintenance program
- f. Future evolution of the solution

Commitment discussion

Open discussion and questions



## New Developments - we have been busy.

- 2 day session for functional requirements
- Met quarterly with PEMC stakeholders since this time last year
- Received feedback and stakeholders regarding initiative – positive feedback
- STARS air ambulance organization interested in participating in the initiative
- Five Provincial government agencies expressed interest in participating
- PEMC to be presented at Esri Petroleum Conference in Houston
- PEMC presenting at 2012 Enform (safety association – Canada’s upstream oil and gas Industry) Conference in Banff, Alberta Canada
- PEMC being introduced to OGP, International association of O&G producers
- Asked to present to interested Provincial municipal governments and counties fall 2012



## We have come along way...

- Established a platform and application framework that will meet our functional specifications
- Established a shared cost model for development of the solution under \$50k per organization
- Established a licensing model for distribution and utilization of the software
- Established a hosting service to for sharing of information and collaboration during an incident for increased public safety and transparency
- Established a business entity that will maintain the solution for bug fixes and hosting services for nominal annual fees
- Established a platform that will provide companies to utilize the solution in a CLOUD based software as a service (SaaS)



## Development platform required needs

- **Existing Framework**
  - Proven
  - Amortized
- **Focus**
  - Petroleum
  - Continued Investment
- **Turn Key Solution**
  - Support Story
  - Hosting Story
  - Evolution Story
  - CLOUD based SaaS (Software as a Service) offering



# Defined Functional Specifications to be integrated with the COP Framework



**PEMC Pricing Model for COP license**

<b>Total Estimated Dev. Budget</b>	<b>\$ 750,000.00</b>						
<b>Amount of Companies investing upfront</b>	17	20	25	40	50	80	100
<b>Each Company's Investment</b>	\$ 44,117.65	\$ 37,500.00	\$ 30,000.00	\$ 18,750.00	\$ 15,000.00	\$ 9,375.00	\$ 7,500.00

<b>Maintenance and Hosting services based on min. 17 companies</b>	\$ 170,000.00	?	?	?	?	?	?
<b>Amount of Companies</b>	17	20	25	40	50	80	100
<b>Annual Maint. Cost per company</b>	\$ 10,000.00	?	?	?	?	?	?

<b>SaaS for GIS Server to operate the PEMC COP</b>	
Any company with 10 users or less annual subscription	\$ 15,000.00
additional user annual subscription	\$ 1,000.00

**PEMC Member Cost after the initial investors** This price will greatly depend on the amount of companies that invest upfront. Any revenues collected from companies joining the PEMC after the the developed solution will be collected and kept in Trust for the PEMC for spending on future enhancements of the application and solution.



Third Party Data Sources



PEMC COP Public Viewer



PEMC Hub

petroWEB / Cybera



Company A

FIREWALL



Company B

FIREWALL



Government

FIREWALL



ArcGIS Server

Proprietary Layers



PEMC COP Viewer



ArcGIS Server

Optional







## Commitment by June 15, 2012

- Minimum 17 companies to initiate project
- More companies participating means less investment required from your company.
- Gov. agencies participating will provide data for robust base data set
- Borderless solution.... The PEMC is considering all organizations to support the initiative.
- Web Site: [www.pemc.ca](http://www.pemc.ca)

Open discussion and questions...