

The Future of Spill Management in British Columbia

B.C. Spill Response Initiative Engagement

May 2016



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Environment

Agenda

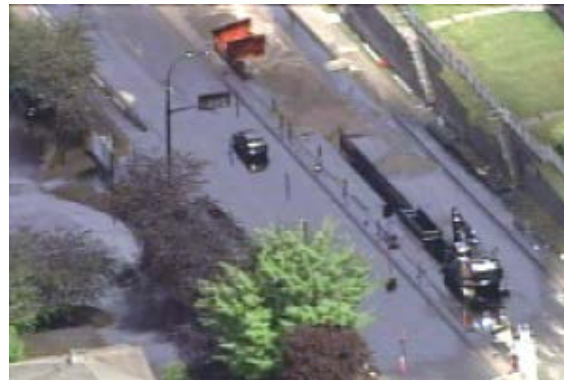
- The Need for Change
- Principles Guiding the Work
- Engagement
- Amendments to the *Environmental Management Act*
- Future State
- First Wave of Proposed Changes
- Preparedness and Response Organization (PRO)

The Need for Change



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High Profile Incidents



Projects & Risk

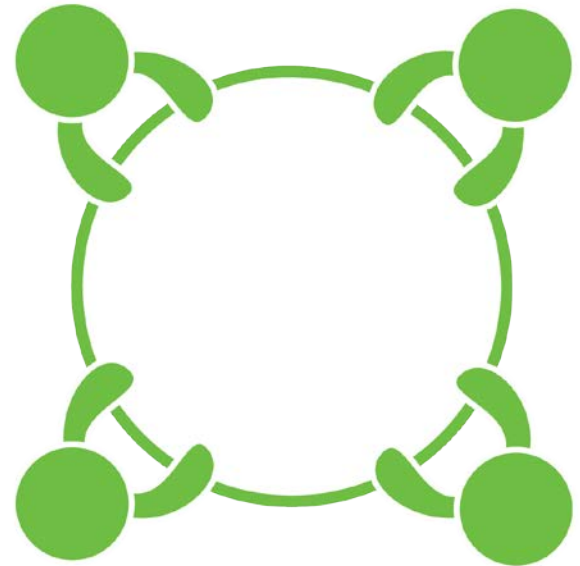


10-Year Forecast Growth in Commodities (2024)



Multiple Regulators and Varying Capabilities

Moving towards consistency
in spill management
practices across sectors



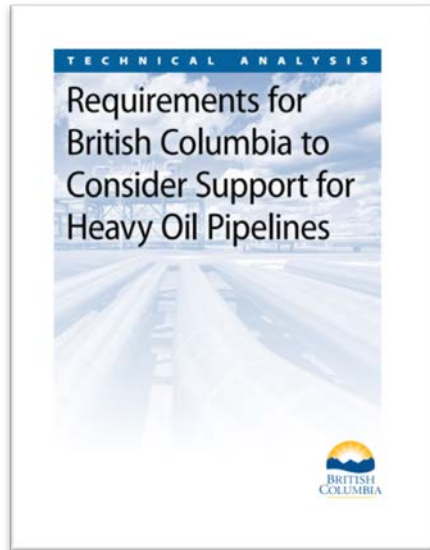
Public trust

Improving the public's understanding of spill management in British Columbia – from prevention to recovery

Local Communities

Local communities need the opportunity to be more involved

Context



Why we began looking at the state of spill management in the province



Engagement

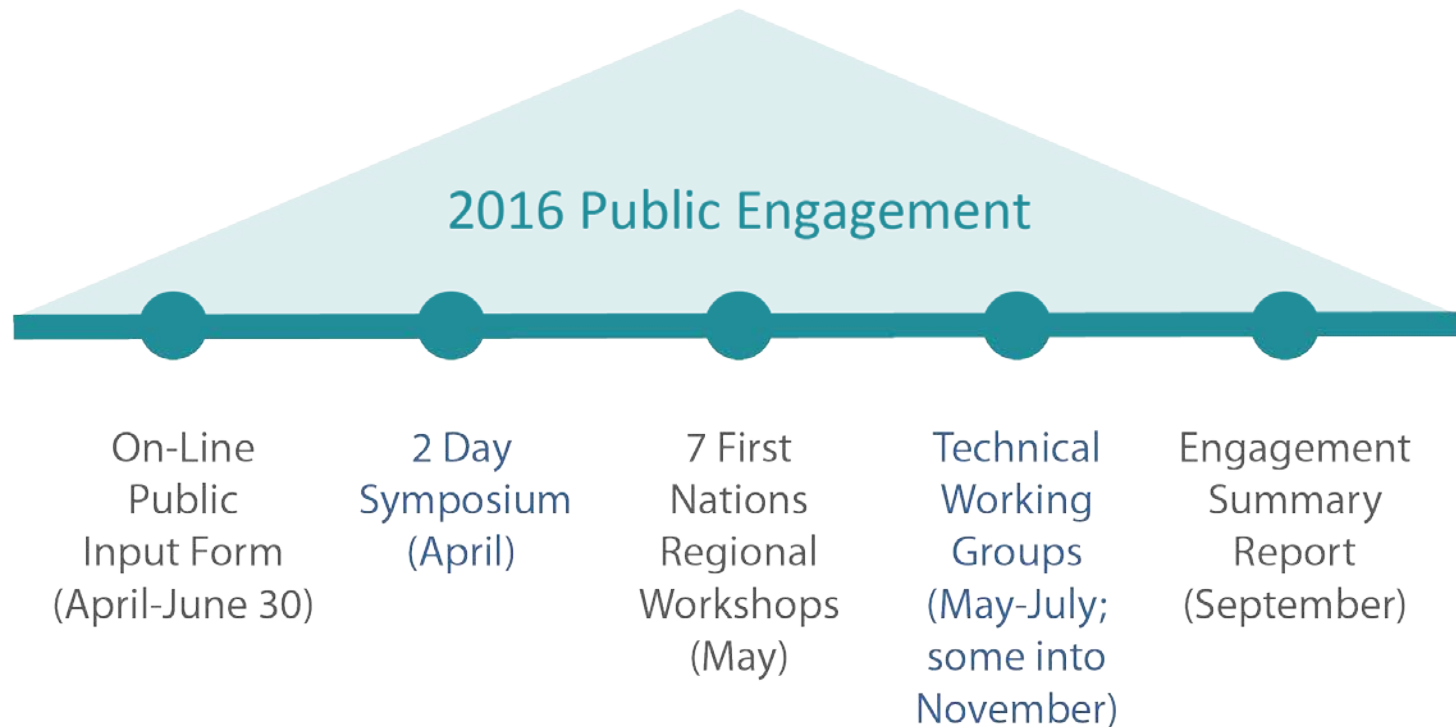


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Past Engagement



Current Engagement



The Principles Guiding the Work



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Design principles for the future state

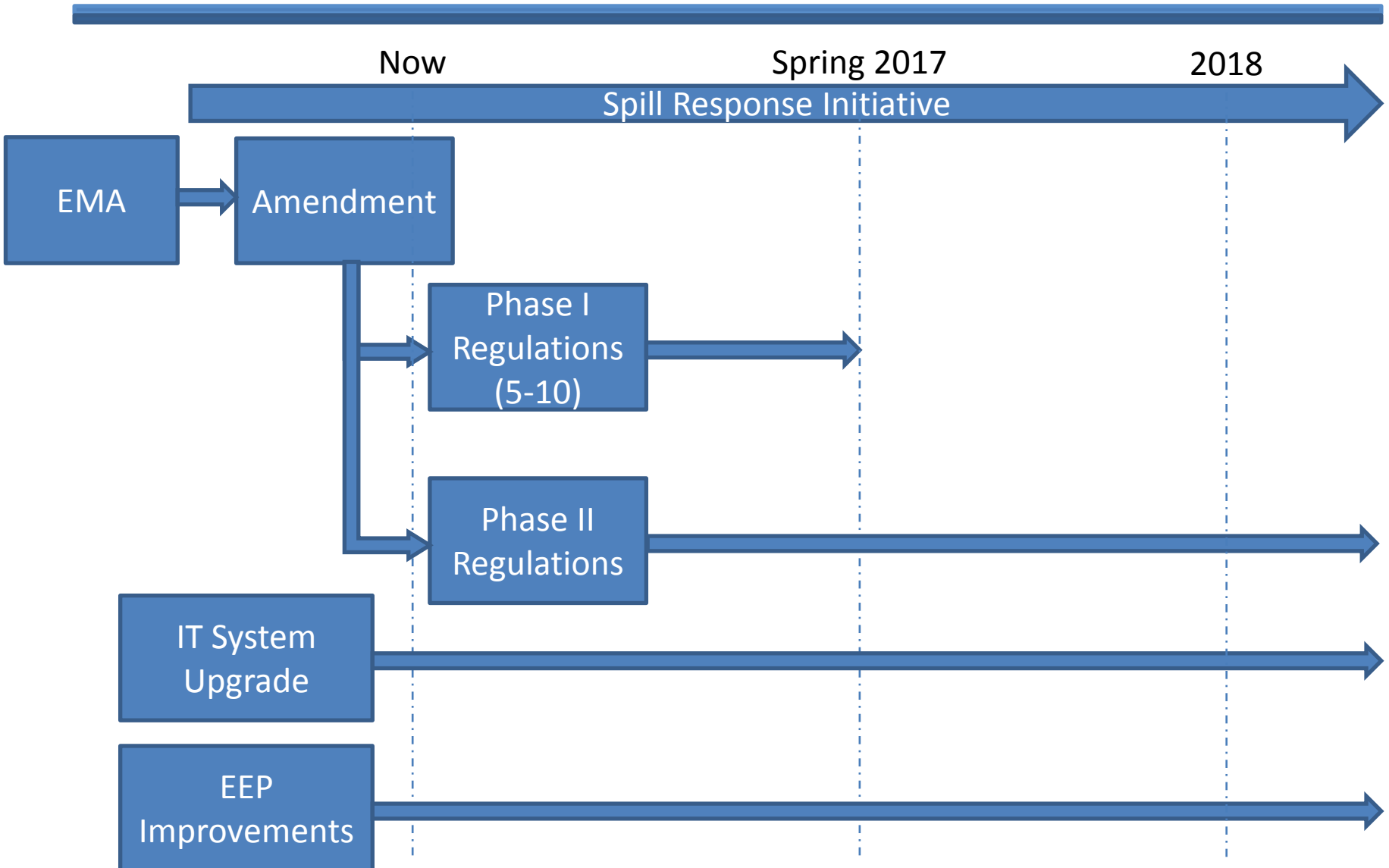


Amendments to the *Environmental Management Act*

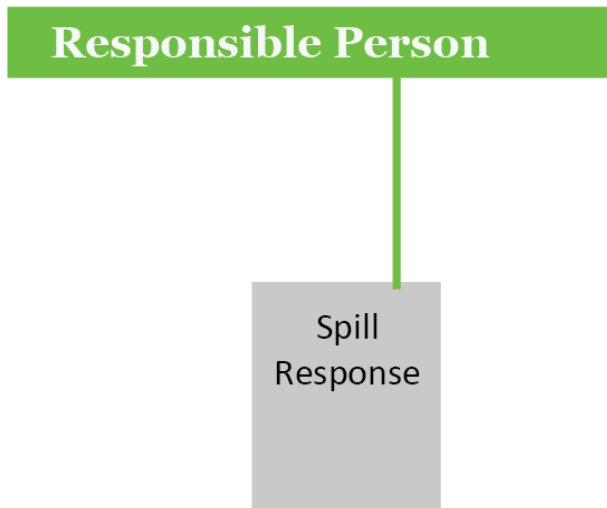


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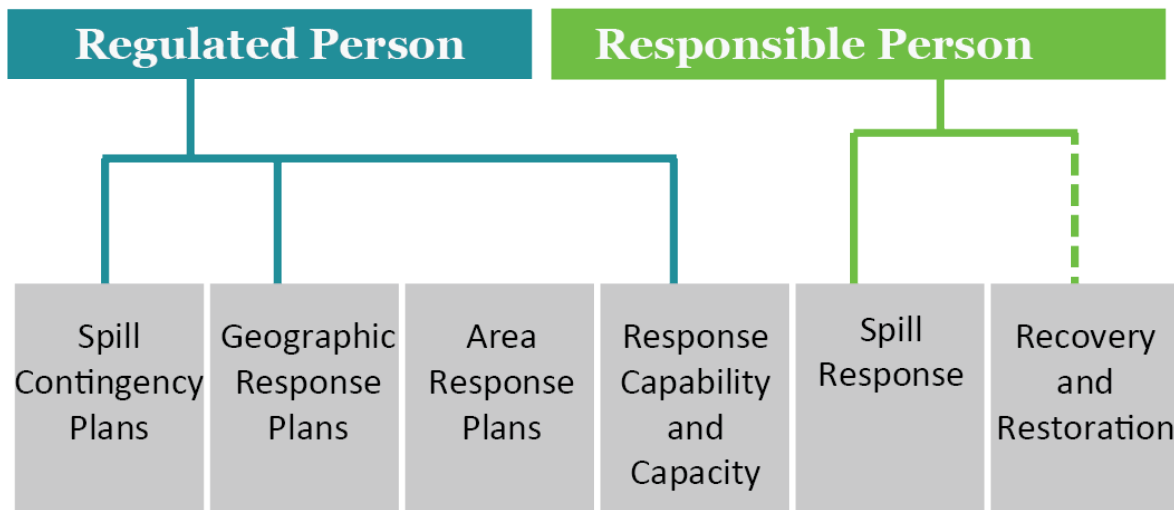
Spill Response Initiative Timeline



Current State

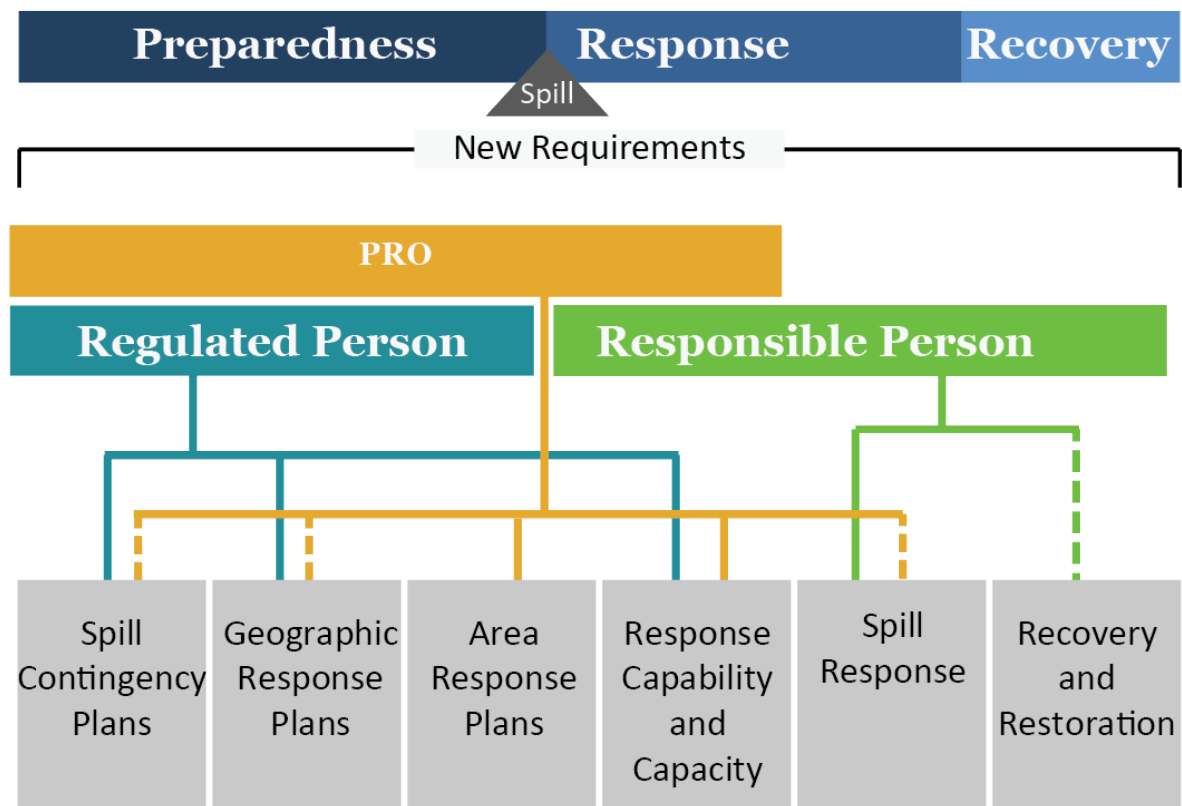


New Requirements



— Legislated
- - - If ordered or contracted

Integrated Regime



—— Legislated
---- If ordered or contracted

Other Content in the Act

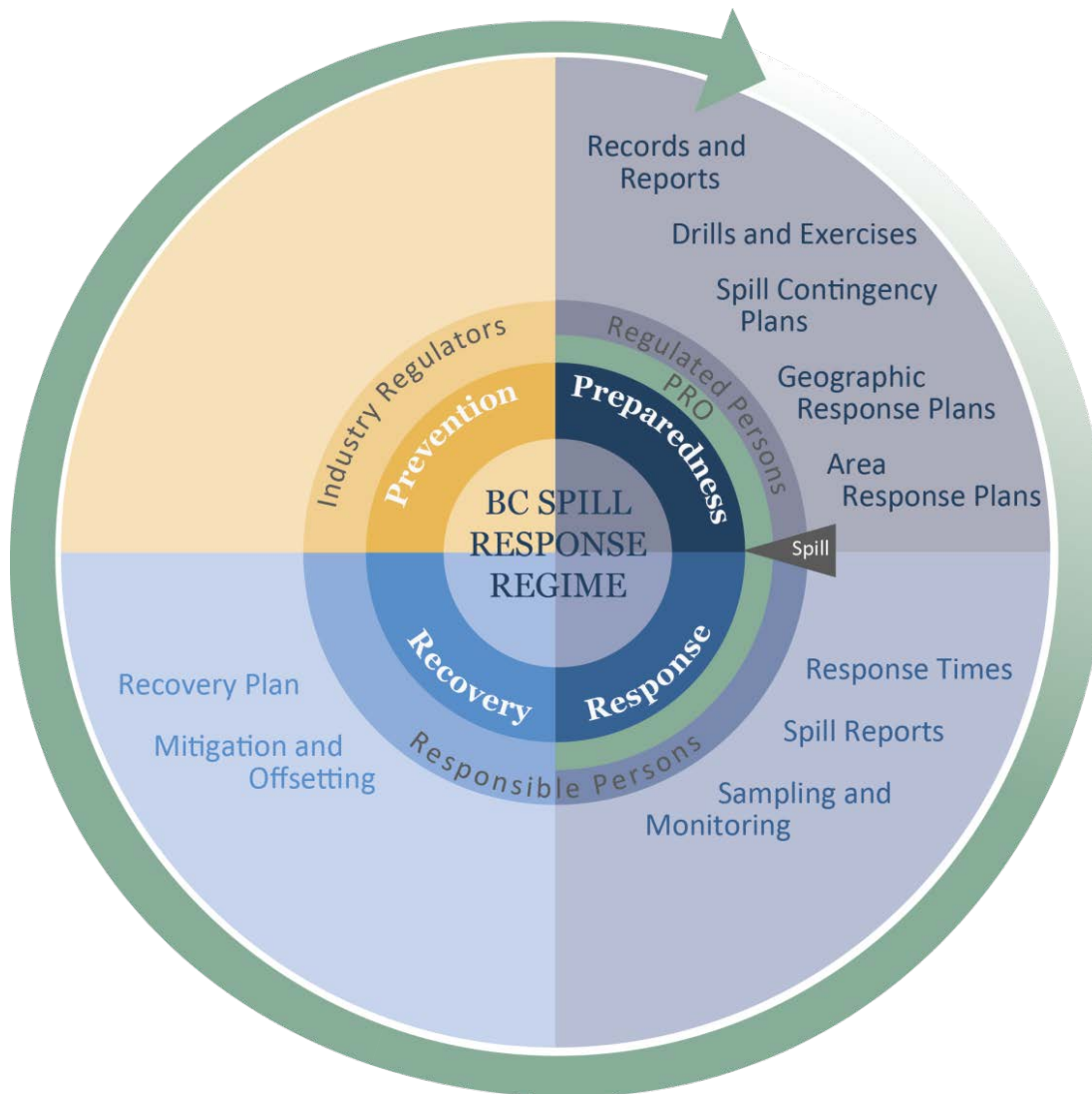
- Advisory committees
- Report to the legislature
- Offences

Future State

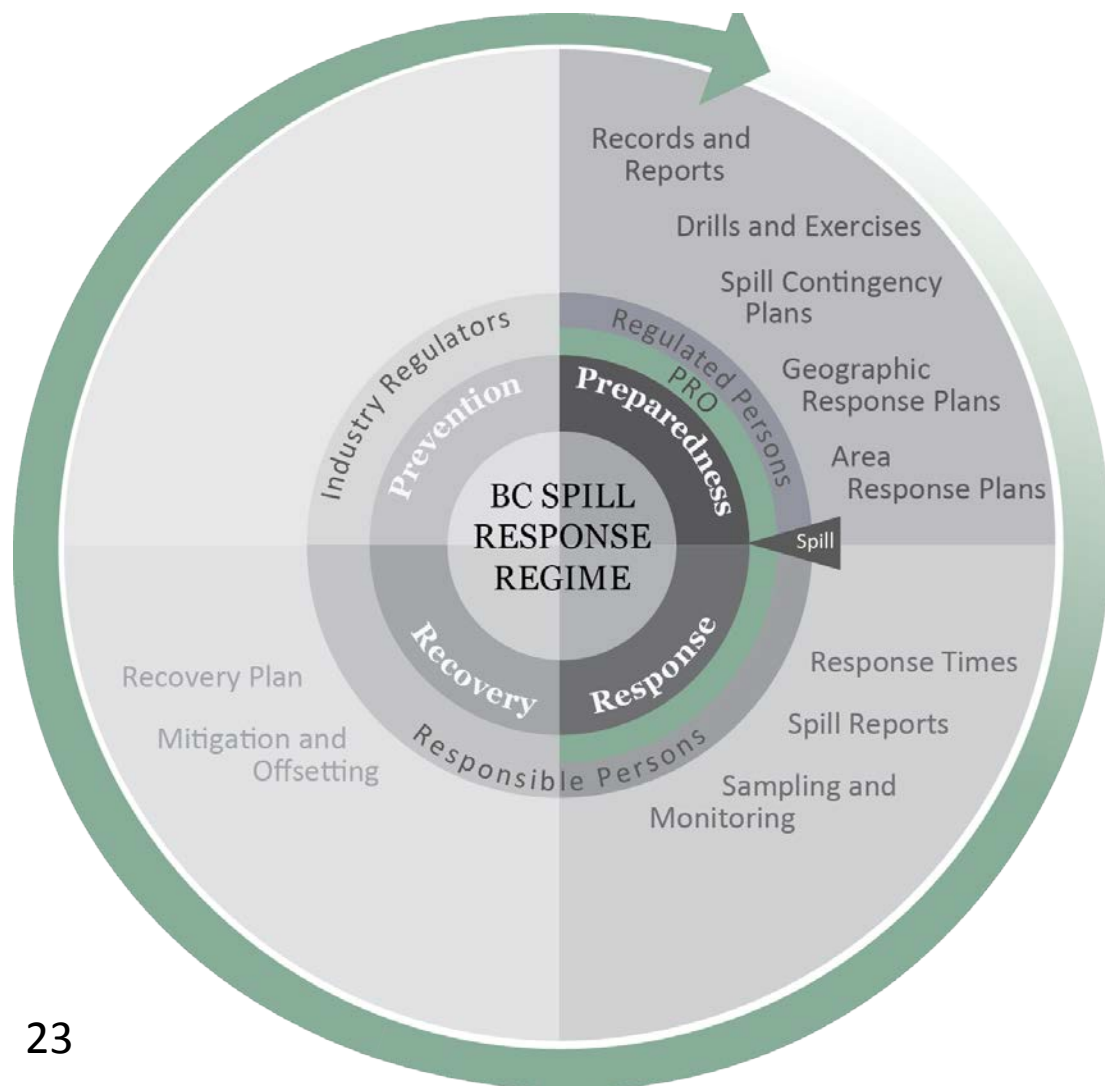


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Overview of the future state

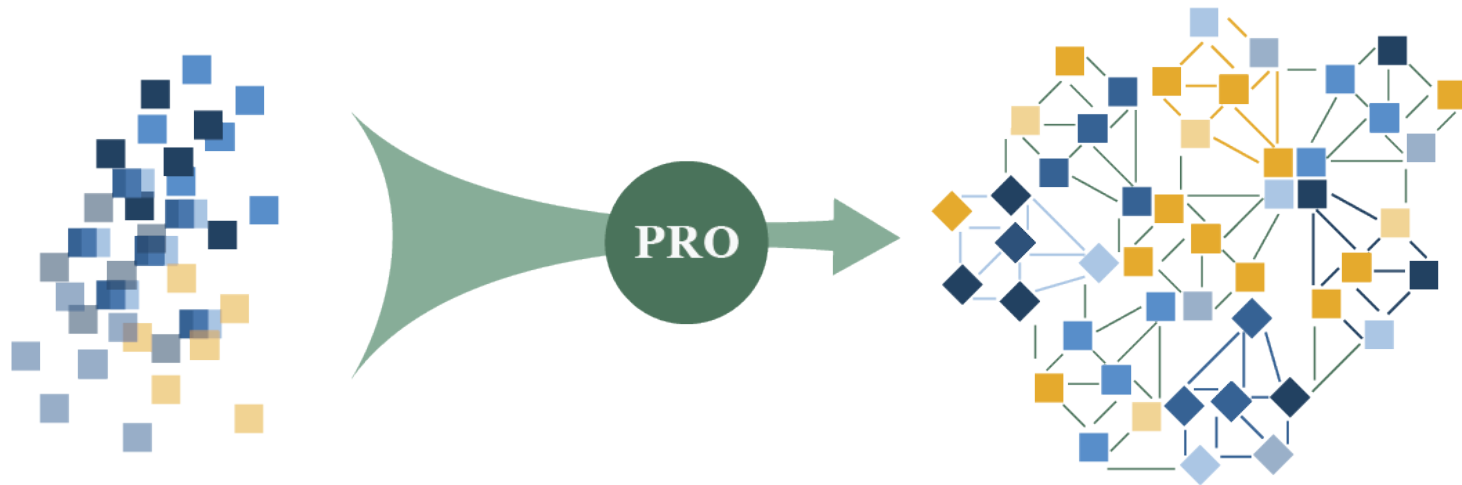


How the PRO can help



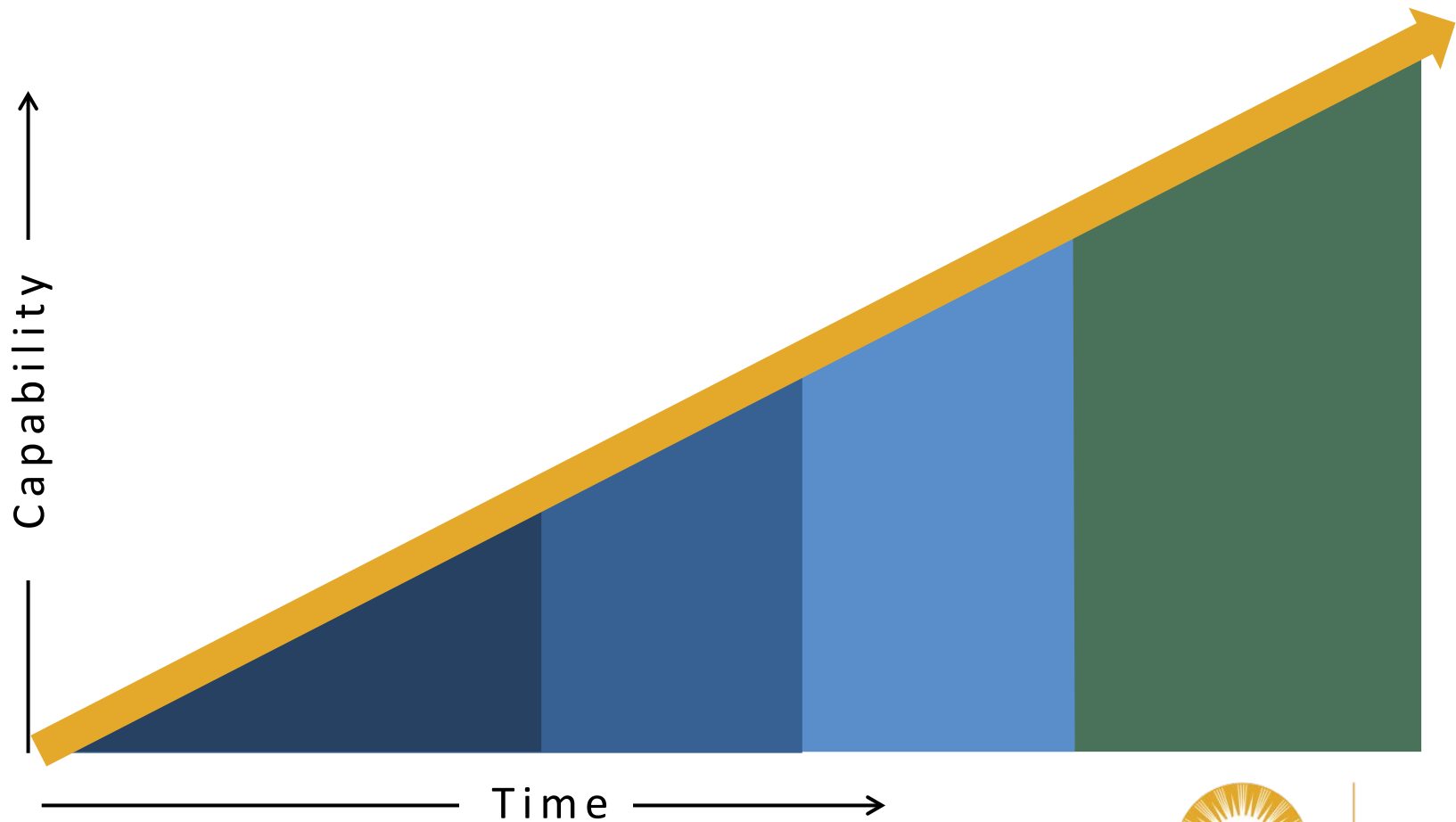
How can a
PRO help?

PRO as the connector



“The whole is greater than the sum of its parts.”

PRO Capability Evolving Over Time



Other Considerations

- Marine Environment
- MOE Environmental Emergencies Program

First Wave of Proposed Changes



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Proposed Legislation and Regulations

- Response
 - Spill reporting
 - Response times
- Preparedness
 - The regulated person
 - Drills and exercises
 - Substance/route reporting
- Planning Overview
 - Spill contingency plans
 - Geographic response plans
 - Area response plans
 - Preparedness and response organization
- Recovery

Response



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Spill reporting

- Not clear initially
- Detailed and updated information:
 - assess incident
 - confirm proper response
 - trend analysis



Response times

- Ensures certain response actions occur within specified time
- Timely activation:
 - Effective response
 - Minimizes impacts
 - Protects human health and environment



Policy considerations - Response times

Blanket approach or multiple...

Oil
or Other
hazardous materials

Urban
or
Rural

ARP/GRP area
or
not

Aquatic
or
Terrestrial

High traffic corridors
or
Low traffic corridors

Regulated person
or
not

Preparedness



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The regulated person



Prescribed
substance



**Regulated
Person**

Prescribed substances

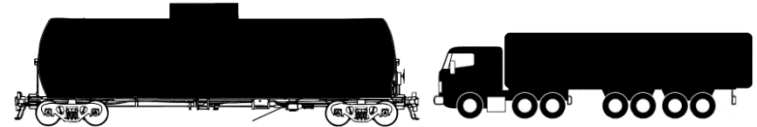
- Liquid
- Toxic
- Persistent



Prescribed
substance

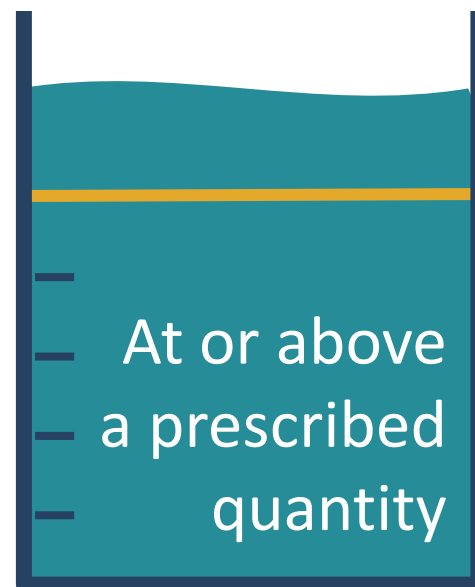
Types of Regulated Persons

- Rail/ Trucking
- Liquid pipelines
- Fixed facilities
(exemption for gas
stations with below
ground storage)

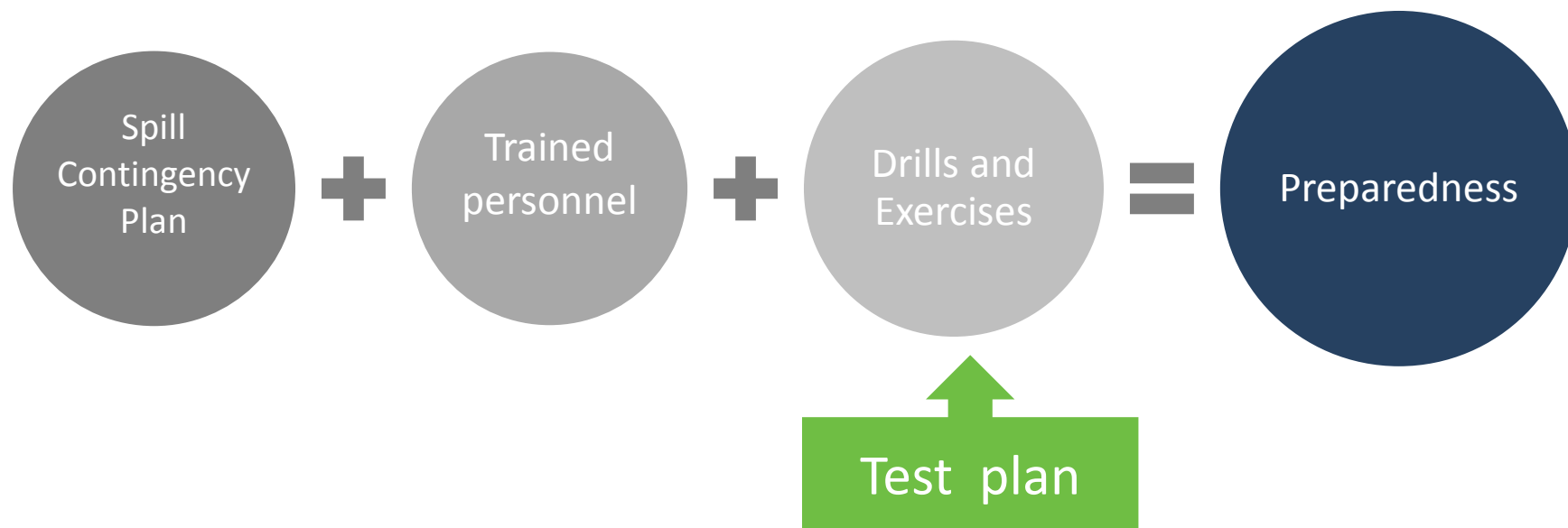


Prescribed Quantities

- 10,000+ litres by rail or truck
- Any quantity by 1,000+ meter pipeline
- 50,000+ litres at a fixed facility (gas stations with below ground storage exempted)



Drills and exercises



Proposed types and frequency – Drills and exercise

Proposed type	Year 1	Year 2	Year 3
Tabletop drill	✓	✓	✓
Deployment drill or exercise	✓	✓	
Full-scale/worst case deployment exercise			✓

Substance information/transport route reporting

- Assists responders
- Certain sectors do this already:
 - TRANSCAER®
 - Transport Canada
 - AskRail app

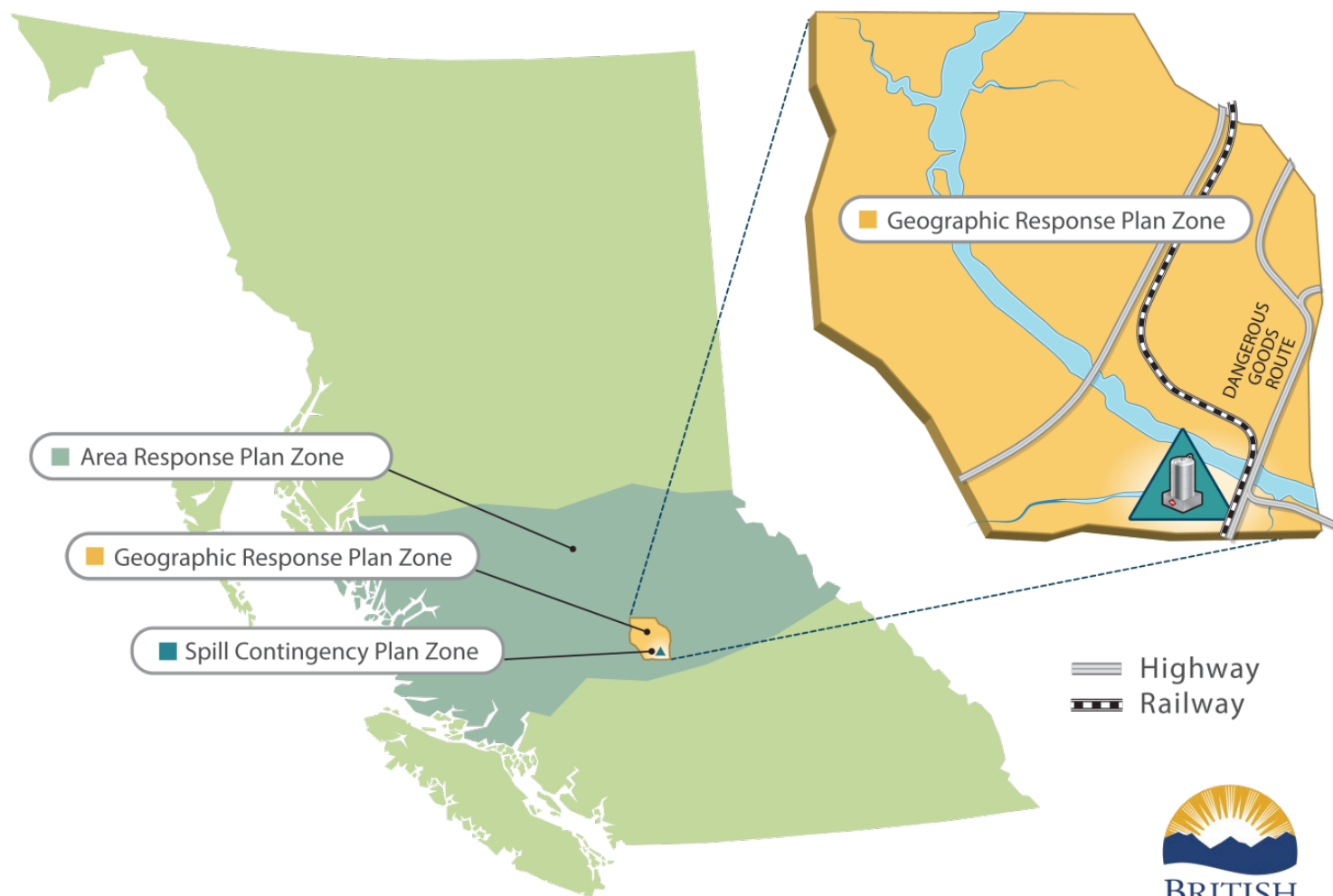


Planning Overview



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Three levels of planning



Recovery



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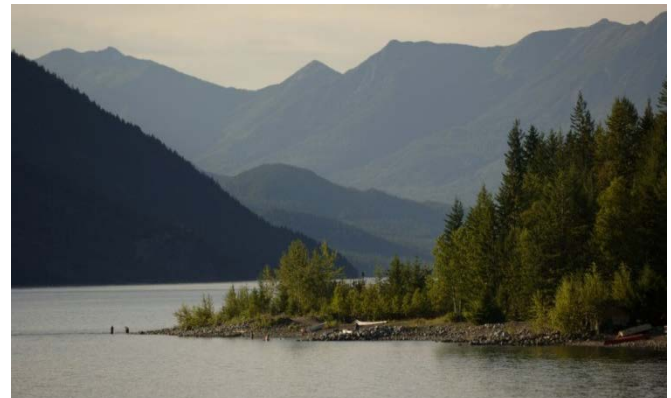
Recovery and restoration

Recovery

Restoration

Remediation

Compensation
for Loss of
Public Use



Work Underway - Recovery

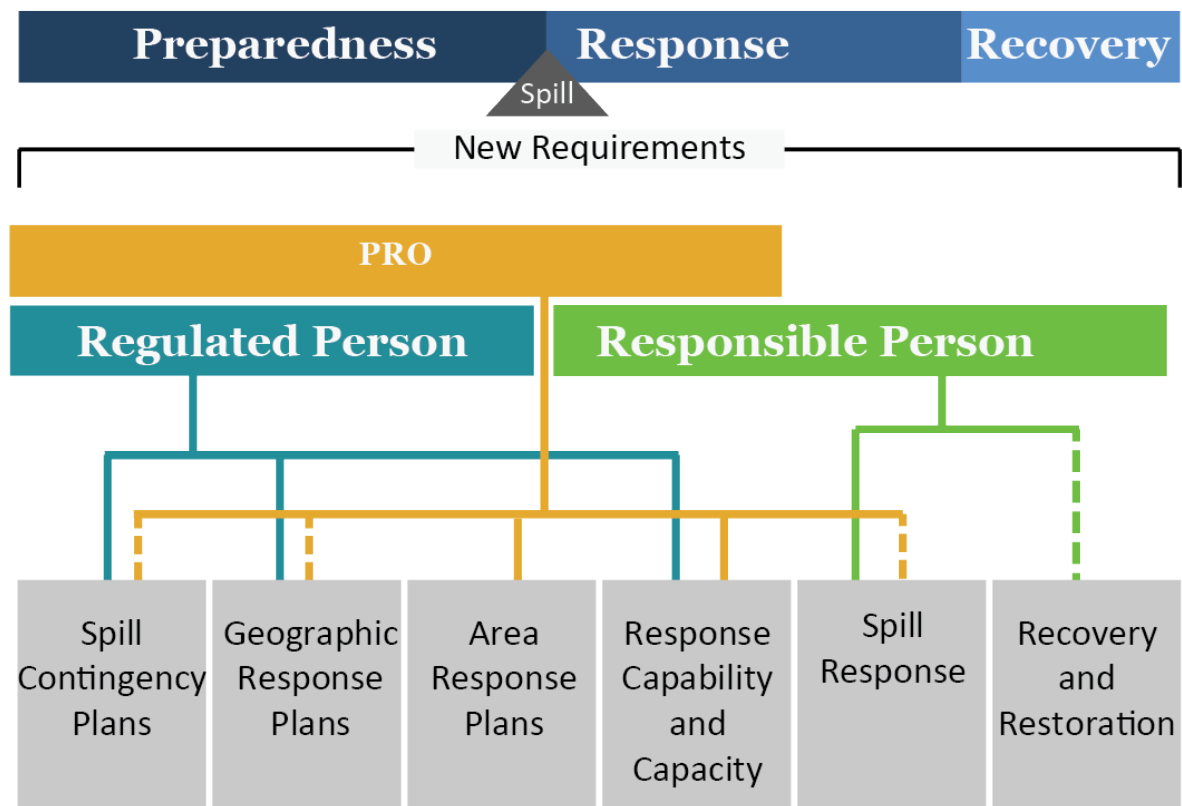
- Recovery Plan Content
 - e.g. recovery actions, timelines, environmental endpoints, sampling and long-term monitoring, engagement etc.
- Transparency and participation in Recovery process
- Guidance for determining when a Recovery Plan is needed

How a Preparedness and Response Organization (PRO) could Work



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Preparedness and Response Organization



—— Legislated
----- If ordered or contracted

In summary



Feedback on the Intentions Paper 3

Until June 30, 2016, please provide your comments on the Intentions Paper 3 in the following ways:

1. As an individual, post your comments publically at <https://engage.gov.bc.ca/spillresponse/>
2. As an representative of your organization, submit formal attachments on organizational letterhead to spillresponse@gov.bc.ca . All attachments will then be posted publically at the website above.

Thank you



Afternoon Session

B.C. Spill Response Initiative Engagement
May 2016



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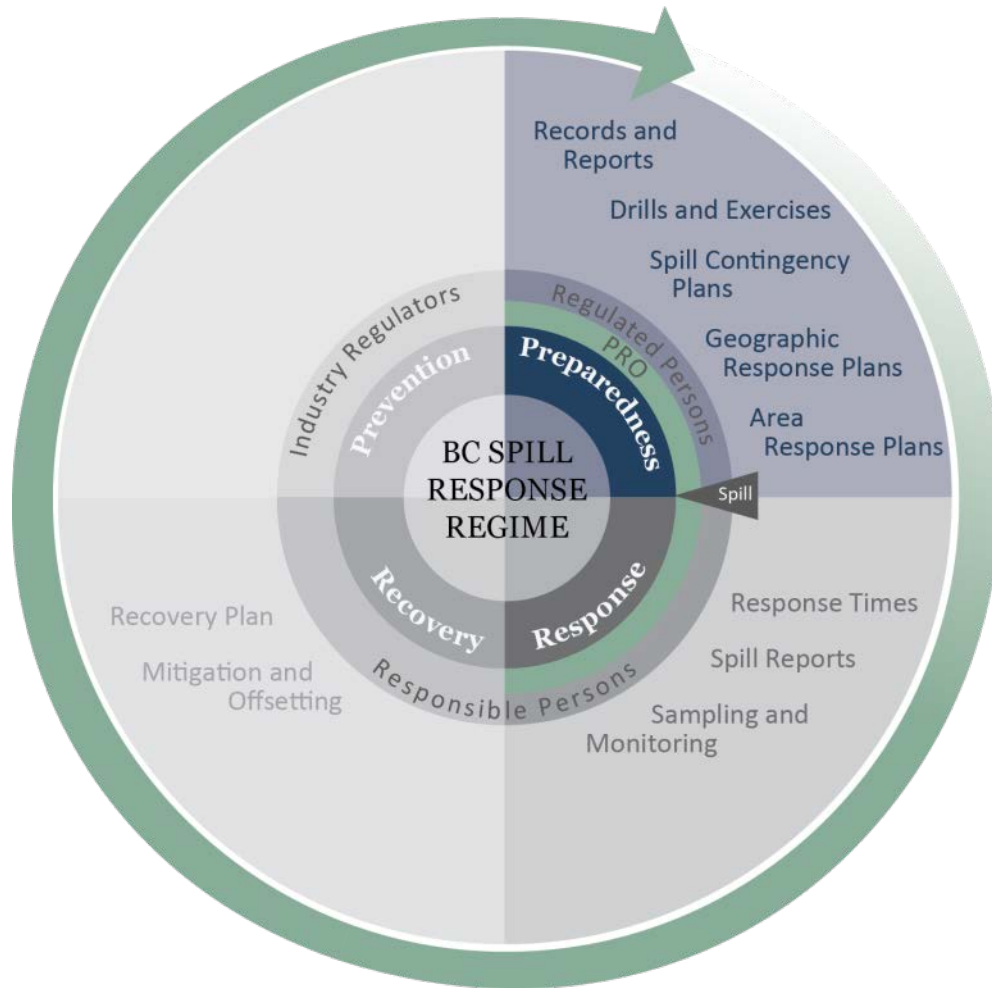
- Topics:
 1. PRO
 2. Area and Geographic Response Plans
 3. Advisory committees
 4. Funding & First Nations Capabilities
- Questions
- Break-out groups - discussion
- Break-out groups - report back
- Next Steps

Preparedness and Response Organization (PRO)



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The PRO

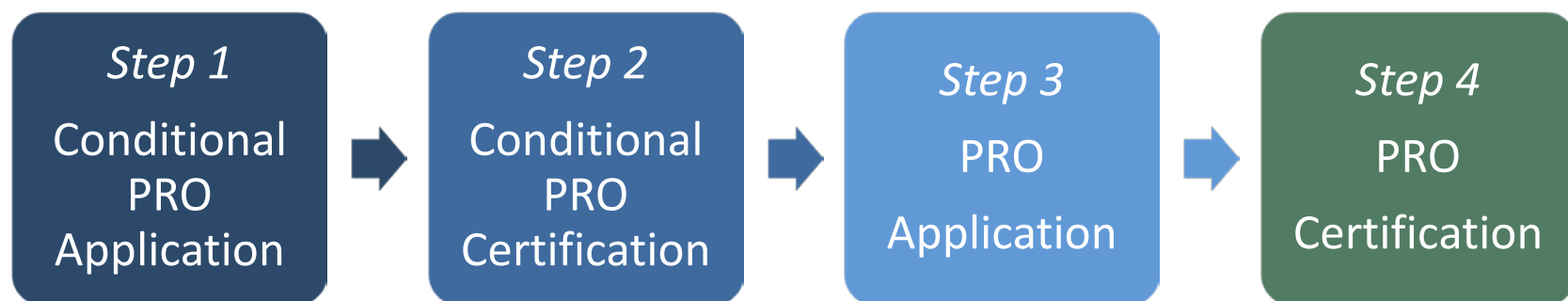


The Preparedness and Response Organization

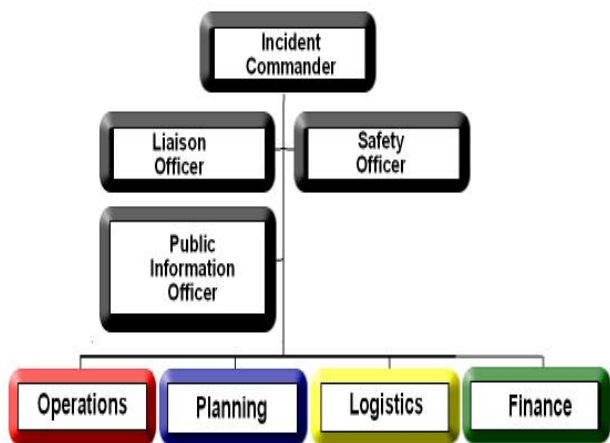
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Building Blocks – Legislative Framework

- Certification - Terms and conditions
- Regulations on a PRO
- Arrangements on a PRO
- Area Response Plans
- Advisory Committees



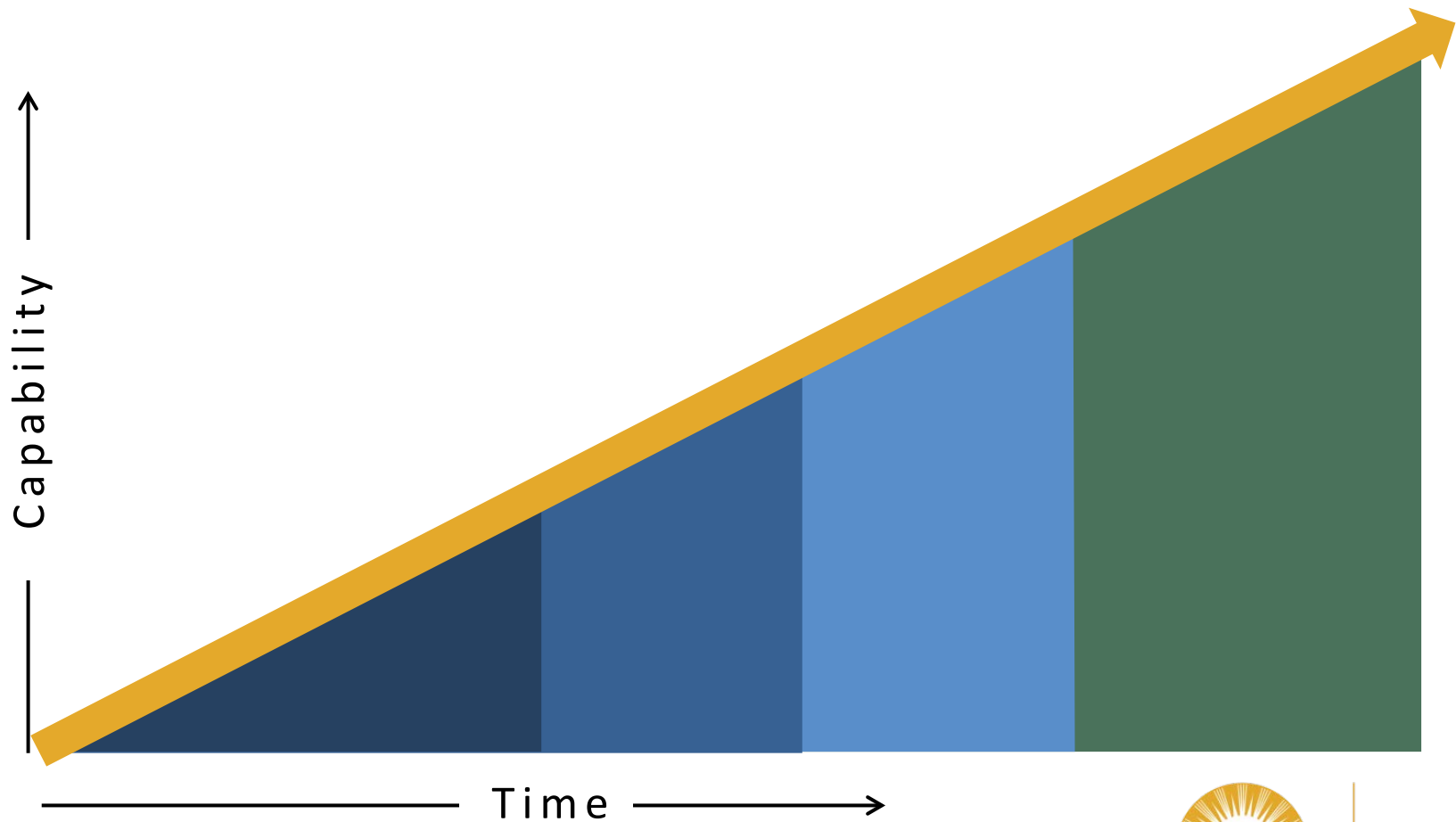
Possible PRO Functions



Connections through Integrated Planning

- Central to preparedness
 - Saves precious time
 - Demonstrates capacity
 - Ensures efficient and effective response
 - Reduces damage
 - Builds necessary relationships
-
- An emergency is the wrong time for introductions

PRO Capability Evolving Over Time

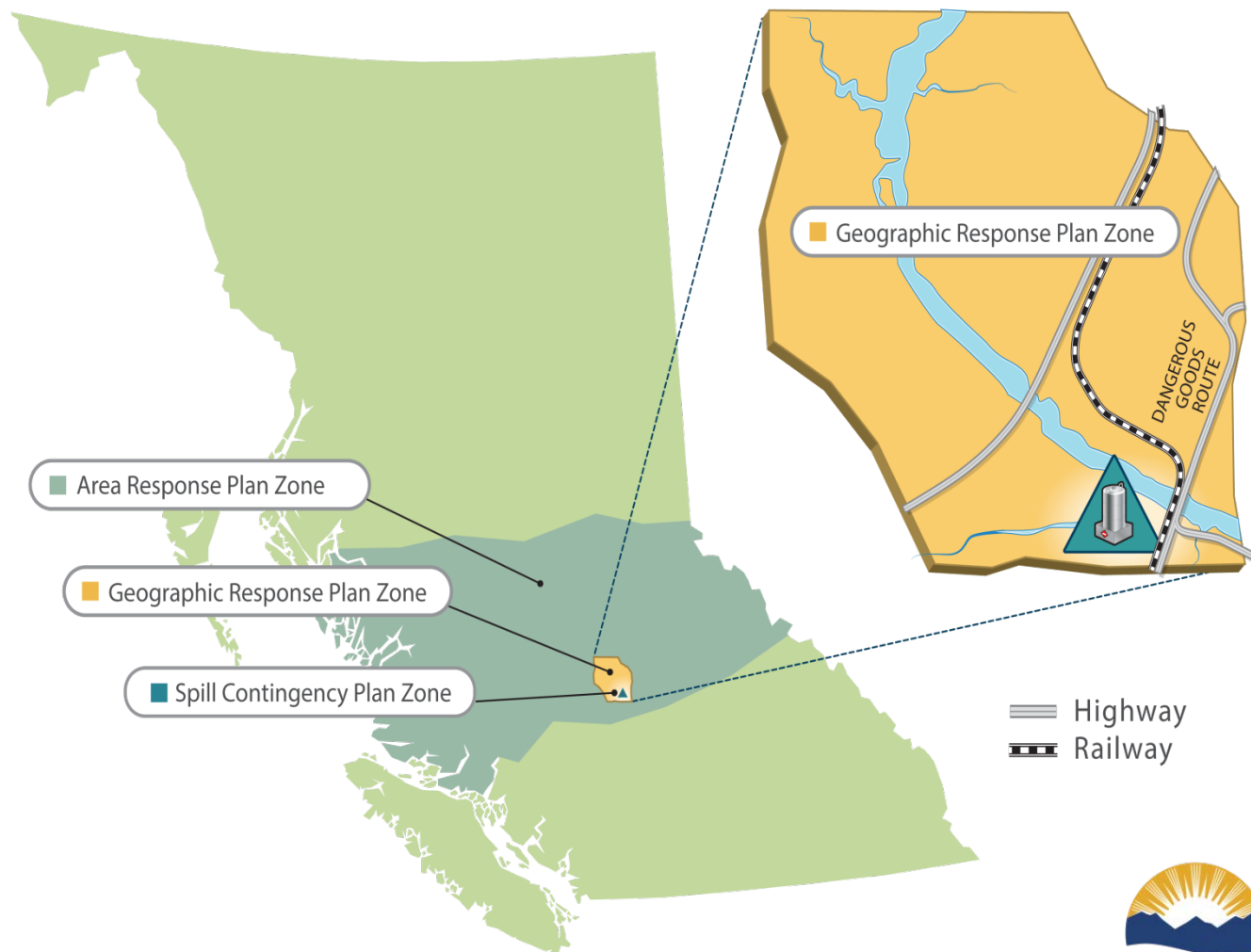


Area and Geographic Response Plans



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Three levels of planning



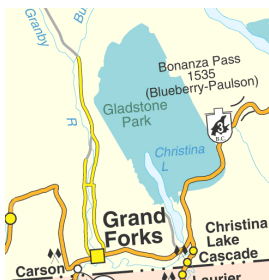
What are Area Response Plans?

- Large areas
- Respond anywhere in area
- Range of hazardous materials and sensitive environments
- Existing information



Alaska Sub-Area Plans

What are Geographic Response Plans?



For a designated geographic area

Direct Response Actions for first 48 to 72 hours

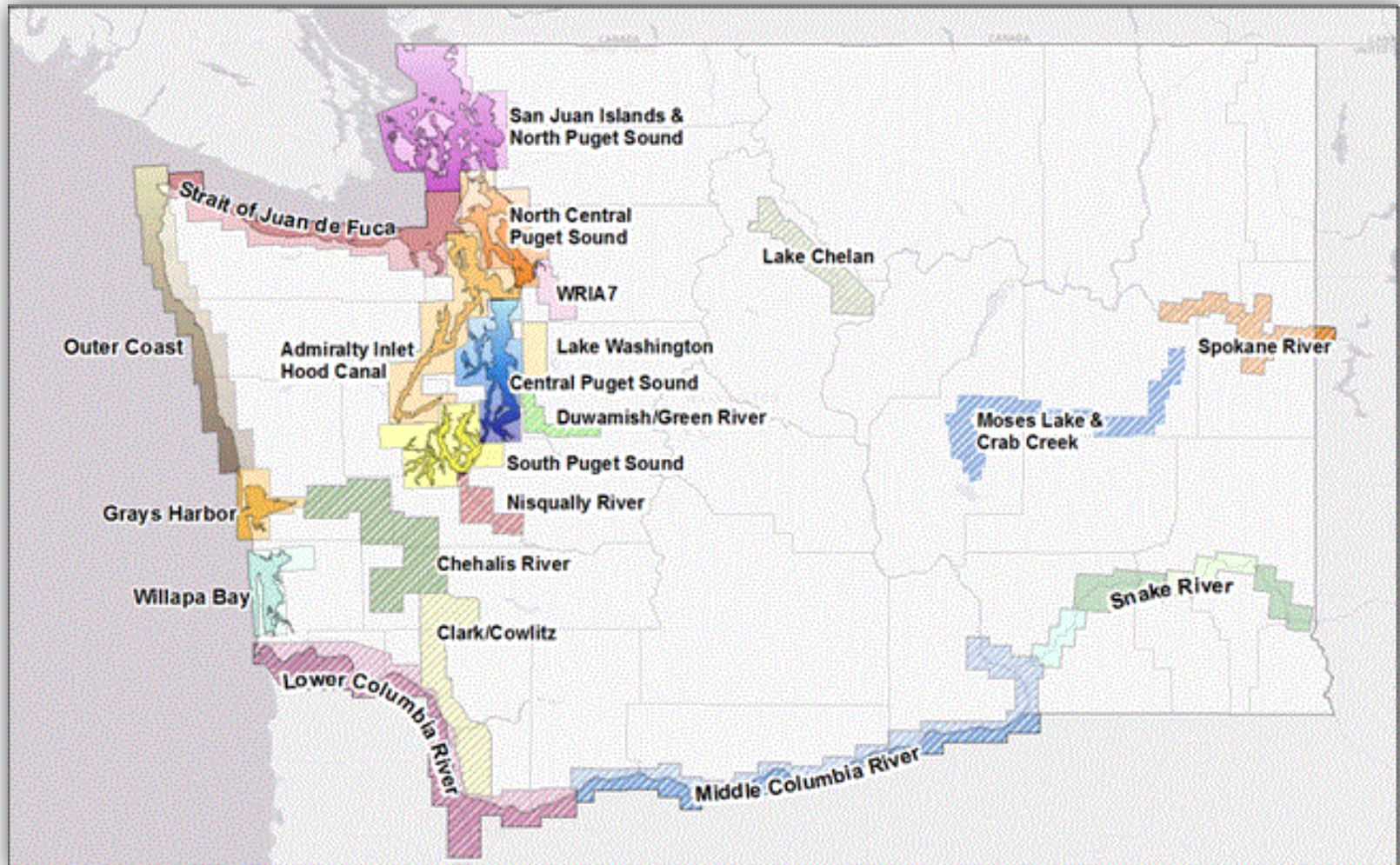
Identify companies and activities with a spill risk

Identify Resources at risk from spills

Identify resources and personnel available to respond

Are publicly available

Example – Washington State GRPs



Proposed Policies – ARPs and GRPs

1. Government oversight
2. Advisory Committee
3. Content and form
4. Public consultation
5. Publication
6. Review, test and update
7. Republish

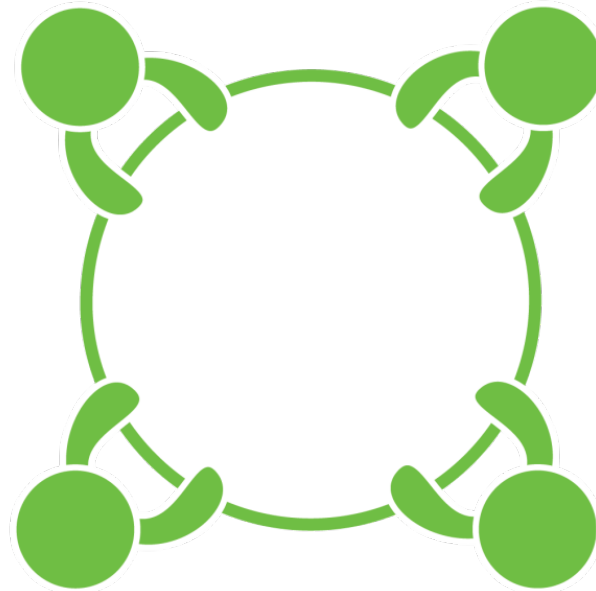
Advisory Committees



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Advisory committees

- Minister's
- Area response plan
- Geographic response plan



Proposed Advisory Committee Policies

- Suggested Membership
- Duties and responsibilities
- Consultation



Proposed Advisory Committee Policies

- **Suggested Membership**
- Duties and responsibilities
- Consultation



- First nations
- Local government
- NGOs
- Industry
- Federal, provincial and natural resource agencies
- Experts

Proposed Advisory Committee Policies

- Suggested Membership
- **Duties and responsibilities**
- Consultation



- Develop
- Implement and update
- Reimburse
- Government oversight

Consultation Provisions

- Suggested Membership
- Duties and responsibilities
- **Consultation**



- Authors must consult interested persons
- Provincial oversight
 - Regulations
 - Participate
 - Approve

Funding & First Nations Capabilities



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Funding

- Polluter pay - industry funds the PRO
- Reimburse advisory committee members:
 - Area response plans
 - Geographic response plans
- Orphan sites
- Environmental Emergencies Program

First Nations Capabilities in New Regime

- Response
 - First responders activated and trained
 - Unified command
 - Monitoring
- Preparedness
 - Advisory committee participants – ARP and GRP...
- Recovery

Discussion

Advisory Committees

PRO

Area and Geographic Response Plans

Funding and First Nations Capabilities

Next Steps

- Feedback from workshops and IP 3
- Technical Working Groups
- Finalize policy
- Draft regulations

Thank you



Beautiful B.C.
Quesnel

Sara.Bacic@gov.bc.ca



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