# Network Assessment Introduction

## Annual General Meeting

### September 27, 2022

# Strategic Planning 2021: Looking Back, Looking Forward

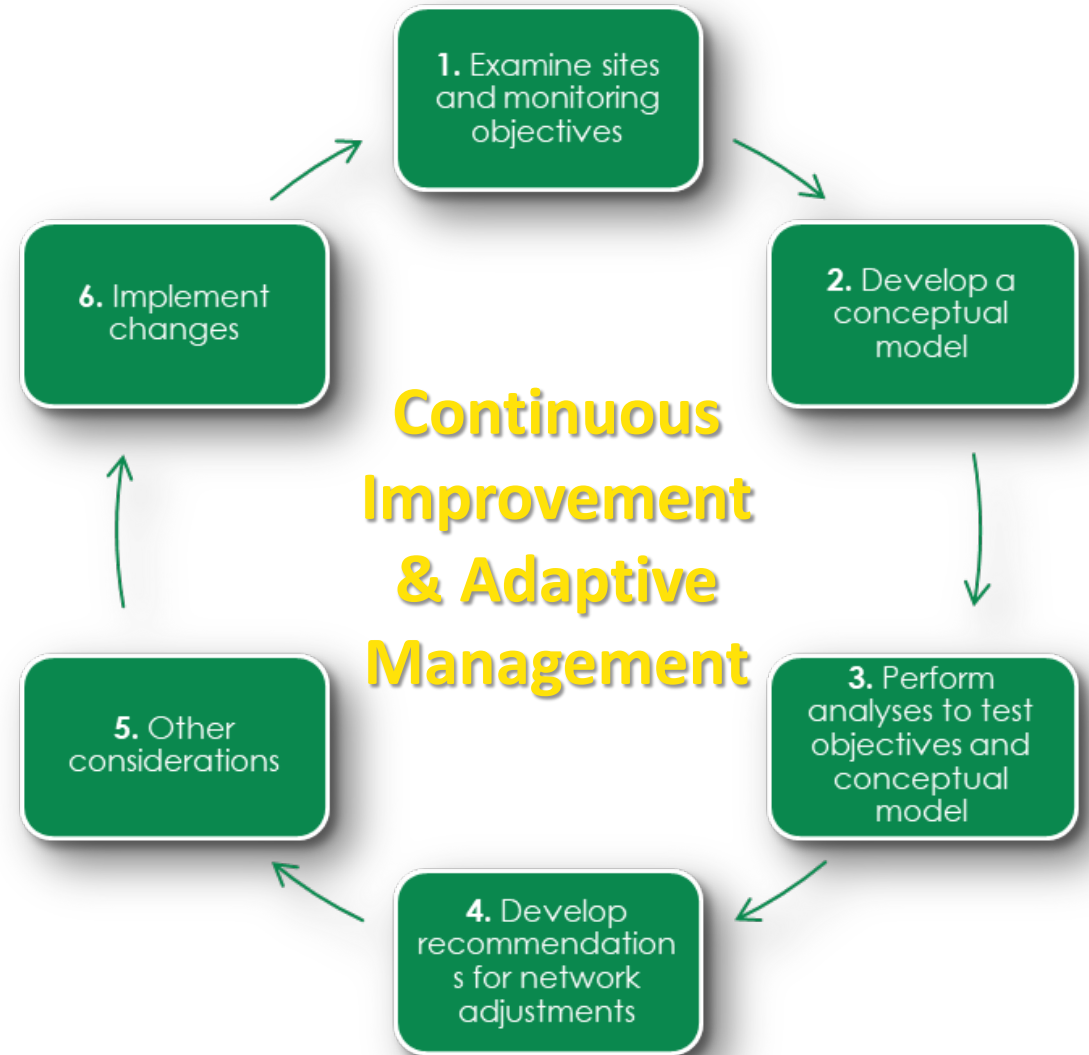# Strategic Planning 2021: New Direction

- Three planning discussions were held March, April and May 2021.  By consensus, PRAMP decided its future includes the following:
  - Work with Mercer; assess integration of Mercer monitoring
  - Conduct a Network Assessment with consideration of:
    - the level of monitoring appropriate for heavy oil production in light of the current conditions
    - Optimized integration of Mercer and PRC monitoring activities
- Continued use of micro-sensors

# Network Assessment: Big Picture

**Are we monitoring:**

**the appropriate suite of parameters?**

**at suitable locations?**

**at an acceptable frequency?**

**for the right duration?**

**using the best methods?**

**with the correct technology?**

1. Examine sites and monitoring objectives

2. Develop a conceptual model

3. Perform analyses to test objectives and conceptual model

4. Develop recommendations for network adjustments

5. Other considerations

6. Implement changes

**Continuous Improvement & Adaptive Management**

# Network Assessment: Design Considerations

## US EPA Network Assessment Guidance Document

- **PRIMARY MONITORING OBJECTIVES**
  - data trends, spatial distribution, community monitoring needs, cumulative effects
- **SECONDARY MONITORING OBJECTIVES**
  - air quality management obligations, modeling and remote sensing, regulatory compliance, transboundary transport, source identification

## Emerging Issues for PRAMP

- **TIER ONE**
  - The change in regional air quality, regional air quality improvements, AER Directive 84
- **TIER TWO**
  - Optimized integration of Peace River Complex monitoring program
  - Optimized integration of Mercer Peace River Mill monitoring program
- **TIER THREE**
  - Consideration of air quality monitoring-deficient areas adjacent to PRAMP.
  - New technologies, including micro-sensors.

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# Network Assessment: Priority Areas

- PRAMP prioritized the monitoring objectives and emerging issues as follows:
  - **Priority 1:** Tier One Emerging Issues
  - **Priority 2:** Tier Two Emerging Issues
  - **Priority 3:** Primary Monitoring Objectives, Secondary Monitoring Objectives, Tier Three Emerging Issues.
- This prioritization was intended to help inform the amount of time and resources allocated to evaluating each of the priority areas.

# Network Assessment: Project Administration

- The network assessment
  - is being conducted by a qualified 3$^{rd}$ party
  - is a project of the Technical Working Group (TWG); the TWG provides input and guidance over the life of the project.
  - is managed by PRAMP staff
- There has been input from external organizations as needed.
- Board of Directors is responsible for decisions related to
  - evaluation of network assessment recommendations,
  - implementation strategy for network assessment recommendations, and;
  - financial matters.

# Network Assessment: Timeline

- **Nov 10, 2021**    Network Assessment project introduced to TWG.
- **Nov 23, 2021**    TWG provides feedback project plan.
- **Dec 1, 2021**    Board of Directors approves project plan and budget.
- **Dec 17, 2021**    Request for proposal is approved by TWG.
- **Jan 11, 2022**    Request for proposal is released, posted, and distributed.
- **Jan 24, 2022**    Proposals received, staff begin screening.
- **Feb 4, 2022**    TWG makes recommendation to BoD, contract awarded.
- **Feb 14, 2022**    Project kickoff with consultant.
- **Spring 2022**    Priority 1 & 2 assessment results presented to TWG
- **Summer 2022**    Priority 3 assessment results presented to TWG
- **September 27**    Network Assessment is presented at PRAMP AGM
- **October 2022**    Network Assessment Report is Finalized
- **Fall 2022**    Begin implementation planning

# Network Assessment: Today

- Presentation of:
  - *"Peace River Area Monitoring Program (PRAMP) - Air Quality Monitoring Network Evaluation"*
  - Network Assessment results and recommendations
- Are there any other factors that should be considered in the assessment?