

PROJECT TYPE: Facility Condition Assessments, PM Program and Energy Audits

CLIENT NAME: Peace River Regional District

PROJECT DATES: June 2019 to November 2019 (Phase 1) May 2021 to November 2021 (Phase 2)



PROJECT OVERVIEW

Roth IAMS, operating under the FCAPX division, collaborated with the Peace River Regional District (PRRD) in 2019 and 2021 to conduct comprehensive Facility Condition Assessments (FCAs), Asset Management Plans, and Preventative Maintenance (PM) Programs. The project aimed to enhance operational efficiency and sustainability across various community facilities within the district.

PROJECT SCOPE

In the initial phase, Roth IAMS undertook FCAs, asset management planning, and PM program development for three community centers. This involved a thorough review of structural elements, building envelopes, mechanical and electrical systems, among others, to assess their conditions over a 30-year evaluation term. In the subsequent phase, the project expanded to encompass condition assessments for an additional 12 buildings, including recreation centers, administrative offices, fire halls, and community halls.

The objectives included not only assessing the physical condition of these buildings but also devising tailored PM measures and schedules, site/floor planning, reserve fund analysis, and detailed Energy Audits for selected structures.

CLIENT IMPACT AND SUCCESS

The collaboration between Roth IAMS and PRRD resulted in tangible benefits for the Peace River community. By gaining a comprehensive understanding of the condition of their facilities and implementing tailored PM measures, the client could proactively address maintenance needs, thereby minimizing operational disruptions and extending the lifespan of critical assets.



CLIENT IMPACT AND SUCCESS

The detailed Energy Audits offered insights into energy consumption patterns and potential areas for improvement, empowering the client to adopt sustainable practices and reduce utility costs. The integrated approach to facility management and asset optimization contributed to enhanced operational efficiency and cost-effectiveness, ultimately improving the quality of services provided to the community.



KEY DELIVERABLES & CONSTRAINTS

Roth IAMS delivered individual FCAs for each building, incorporating insights into structural integrity, building systems, and site elements. The team also formulated a comprehensive PM program, providing actionable maintenance measures and schedules to optimize equipment performance and longevity. Additionally, site/floor plans, reserve fund analysis, and detailed Energy Audits were conducted to streamline operations and enhance energy efficiency.

Despite the scale of the project and the intricacies involved in assessing diverse building types, Roth IAMS maintained a rigorous approach to meet project timelines and client expectations. Leveraging SLAM as a database/reporting tool facilitated efficient data management and streamlined the generation of reports and capital plans.

CONCLUSION

The Facility Condition Assessments, PM Program, and Energy Audits undertaken by Roth IAMS in collaboration with the Peace River Regional District exemplify a successful partnership focused on optimizing facility performance and sustainability. Through evaluation, strategic planning, and actionable recommendations, the project not only addressed immediate maintenance needs but also laid the groundwork for long-term asset management and operational excellence. As a result, the Peace River community is better equipped to meet the evolving needs of its residents while maximizing the value of its infrastructure investments.

