

Building Sustainability is an ongoing process.

Regardless of your building's age or stage, opportunities always exist to optimize it further for efficiency and sustainability. We understand that the options can often be overwhelming and the approach unclear to building owners, even when the financial and environmental rewards are known. Adapt is here to educate you about your options, assess your opportunities and guide you through the process of optimizing your building.

As a full-service engineering firm, we can offer a wide variety of services tailored to meet your individual project needs. Whether you are simply seeking an Operations & Maintenance (O&M) Evaluation, a third party assessment, or you want to be guided through a complete optimization process for sustainability, Adapt will be there every step of the way.

OPERATIONS & MAINTENANCE (O&M) PLAN ASSESSMENT AND EVALUATION

Proper O&M of a building's systems is considered one of the most effective ways to minimize resource and energy waste. Often part of our Building Performance Assessment, this thorough review will identify ways to increase energy efficiency and reduce costs on an ongoing basis. Adapt can evaluate your existing plan, help restructure your plan following system improvements, or create a new plan to help support a building's optimal performance.

IMPLEMENTATION

Our full-service approach means that after we recommend sustainable design strategies based on our assessments, we can also implement your chosen building enhancements for you. Our Sustainability Design Team will see your project through to completion and beyond. After installation, we can conduct Measurement and Verification Testing to ensure proper system performance, and provide future support through the ongoing process of making your building more sustainable.

BUILDING PERFORMANCE ASSESSMENT

The first step to evaluating the opportunities for improvement is to establish a complete understanding of the building's current performance by conducting a comprehensive and holistic analysis. Adapt can provide you with a thorough analysis of your building's energy and resource consumption with a breakdown by system (electricity, natural gas, water), verify proper operation of system equipment with respect to original design specifications, and evaluate the indoor environmental quality.

Depending on your building's needs, our Building Performance Assessment may include:

- » Energy Audits & Benchmarking
- » Operations & Maintenance Diagnostics
- » Building Commissioning
- » Indoor Air Quality Testing
- » Water Usage Audit

RECOMMENDATIONS

Following all Adapt assessments, you'll receive a report of our recommendations to optimize your building's efficiency and sustainability, addressing relevant return-on-investment (ROI) potential. Recommendations will reflect your short-term and long-term building goals and implementation approaches for upgrades to current technology, although we find greater efficiency can often be achieved without significant capital expenditures.

Recommendations and associated benefits may include, but are not limited to:

- » Re-commissioning and Retro-commissioning
- » Building Energy "Tune-up"
- » Capital Upgrades
- » O&M Plan Modifications
- » Renewable Energy Options
- » Green Design Opportunities
- » Sustainable Material Options
- » Tax Credits and Rebate Strategies

\$ BOTTOM LINE \$ BENEFITS FROM "GREENING UP"

Capital upgrade projects often achieve up to 25% in energy savings, or more.

Rebates and tax incentives may cover up to 70% of total project costs.

Simple Building Tune-ups and Re-commissioning can yield annual energy savings of 10% - 20%.

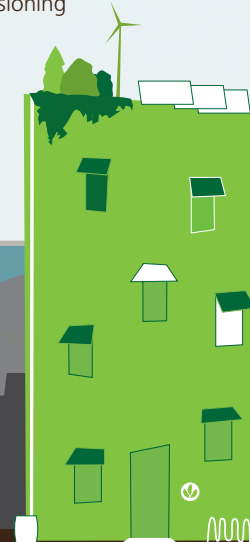
Annual energy savings can be sustained with enhanced O&M planning.

As LEED Accredited Professionals, we can help you navigate the process to have your building become LEED Certified.



ADAPT ENGINEERING, INC.

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As sustainability design consultants, we make buildings “greener” by identifying specific design strategies that can improve the environmental performance, cost effectiveness and healthfulness of commercial and residential buildings.

We believe that when a building’s performance is optimized, it has a ripple effect that transcends the structural walls. Building owners quickly benefit from the enhanced system efficiencies and financial incentives. Building occupants and the local community benefit from the health and aesthetic improvements associated with green spaces. And ultimately, a green building not only reduces environmental waste but also supports the global movement towards greater sustainability.

Adapt Engineering, Inc. (Adapt) is on the forefront of the environmental and sustainable/green industry in the Pacific Northwest. We strive to balance our impact on the global condition with local sustainable solutions. We are proud to offer our expertise and services to local business owners seeking to make sustainable improvements to their new, existing and historic buildings.

All buildings, large and small, have strengths and weaknesses in their design, construction, maintenance and operations. We assess each building’s unique needs and design the best strategy to optimize it for greater sustainability. Our sustainability design services include:

- » Building Performance Assessments
- » Operations and Maintenance Plan Assessments
- » Energy Audits and Benchmarking
- » Building Commissioning, Re-Commissioning, Retro-Commissioning
- » Tax Credit and Utility Rebate Strategies
- » Renewable Energy Strategies
- » Indoor Air Quality Testing
- » Water Conservation Strategies
- » 3rd Party Verification Testing
- » LEED Certification Consultation

YOUR SUSTAINABILITY DESIGN TEAM

Affecting global change, one optimized building at a time.



John Estrem, Tammy Stempel, Steve Hatheway

JOHN ESTREM

**Principal, LEED AP,
Certified Sustainable Building Advisor**

John brings a unique combination of perspective and expertise to sustainable design consulting. Over the last 20 years, John has conducted several thousand environmental assessments of real estate properties, ranging from multi-family residential apartment buildings to large industrial facilities. John has also owned and managed commercial real estate for over 25 years.

TAMMY STEMPEL

**LEED AP, Certified Sustainable Building Advisor,
Certified Commissioning Agent**

Tammy, a licensed general contractor with a background in environmental studies, construction/project management and interior architecture/design, is passionate about improving the sustainability of buildings. She brings over 18 years of project management experience in construction and renovations to our team. Tammy currently consults for the Gladstone Planning Commission and other local jurisdictions on sustainability issues.

STEVE HATHEWAY

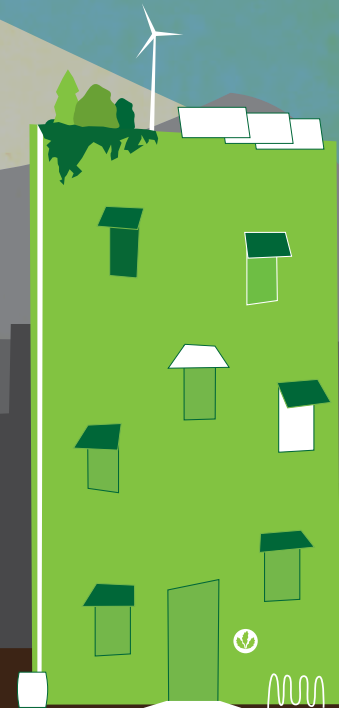
**Certified Sustainable Building Advisor,
Certified Energy Manager**

Steve has over 24 years experience assessing and optimizing energy systems, including some of the largest facilities in Portland, such as the OHSU Medical Center, the Wells Fargo Tower and the US Bank Building. Steve’s depth of experience has taught him that low cost O&M improvements are often the best place to start.

Adapt Engineering, Inc. is a privately owned environmental consulting and engineering firm. We provide our clients cost effective solutions on projects of various scales across the Pacific Northwest.

GREEN UP YOUR BUILDING

Its good for the environment
and your bottom line.



Let us show you the way.

ADAPT ENGINEERING, INC.
Your Sustainability Design Consultants



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