



Kitsap County Community Services Center
LEED® Silver Certified

2023 / MEP 2040 COMMITMENT

COMPANY PLAN

WHAT'S INSIDE

Firm Profile:

- Our 2040 MEP Commitment / **1**
- Hargis Background / **2**
- Mission Statement / **3**
- Sustainability Leadership / **4**

The Plan and Commitment

- Our Commitment / **5**
- Establish a Company Plan / **6**
- Request Low Global Warming Potential (GWP) Refrigerants / **7**
- Request Environmental Product Declarations (EDPs) / **8**
- Participate in Industry Events / **9**
- Conclusion / **10**



Kitsap County Community Services Center LEED® Silver Certified

THE MEP 2040

Challenge & Commitment

The Carbon Leadership Forum (CLF) announced the MEP 2040 Challenge in advance of the COP26 Cities, Regions & Built Environment Day in Glasgow, Scotland, October 31, 2021. The Challenge demands more than vague promises by building designers to do better. It requires a set of solid commitments to take specific actions, including reducing refrigerants, requesting data from manufacturers, and becoming active participants in industry-wide efforts to decarbonize building systems.

The MEP Commitment is now an independent initiative, led by the MEP 2040 Steering Committee, with the mission of dramatically reducing the embodied carbon emissions associated with MEP systems.

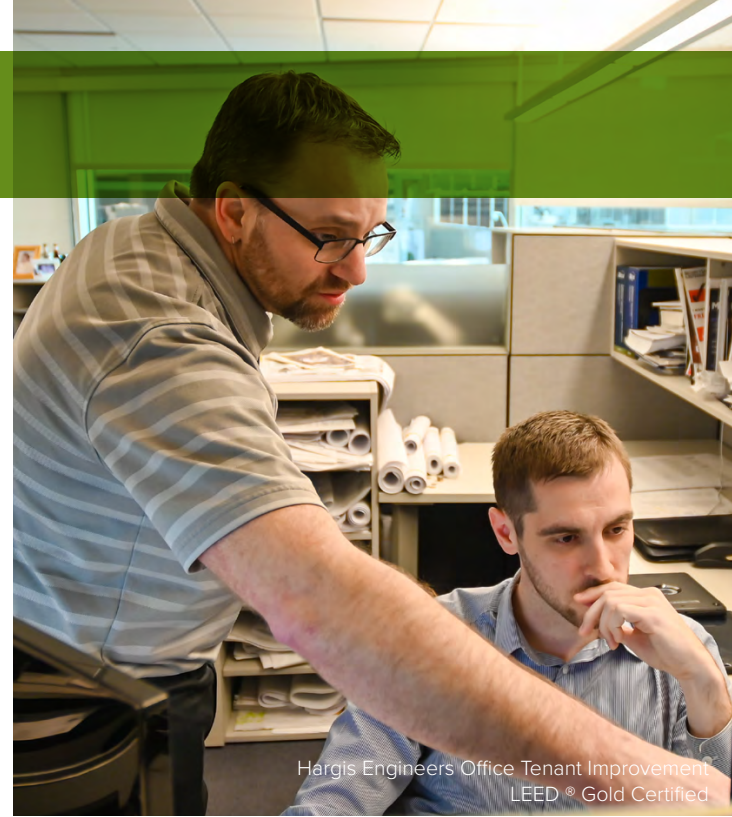
Hargis Engineers pledges to sign on to the 2040 Commitment and will build upon firm-wide design approaches that prioritize innovative sustainable design strategies. All systems engineers shall advocate for and achieve net zero carbon in their projects: both operational carbon by 2030 and embodied carbon by 2040.

The 2040 Challenge

All systems engineers shall advocate for and achieve net zero carbon in their projects: both operational carbon by 2030 and embodied carbon by 2040.

The 2040 Commitment

The mission of the MEP 2040 Commitment is to support the 2040 Challenge and transform the practices of engineering and architecture in a way that is holistic, firm-wide, project based, and data-driven. By prioritizing energy performance, participating firms can more easily work toward carbon neutral buildings, developments and major renovations by 2040 respectively.



Hargis Engineers Office Tenant Improvement
LEED® Gold Certified

FIRM PROFILE

Hargis Background

Commitment to quality and sustainable growth has been a founding principle since our inception by Alexander Hargis. It is what has shaped who we are 60-plus years later. His emphasis on serving people over projects has earned Hargis the opportunity to serve a wide variety of clients. By being responsive to stakeholders' requests and fostering a positive work environment we have grown to a 190+ member team with healthy retention rate. ***We bring forth:***



Experience

We bring forth a team experienced in interweaving sustainable technologies into projects. Together we have served public and private efforts to advance conservation goals.



Perspective

Our commitment to serving community throughout our history has afforded us a unique perspective. We have experienced the evolution in building system technologies, codes, and occupant behaviors that directly influence project outcomes. We apply this insight to develop approaches that realize the clients' intent.



Creativity

As consultants, we apply our experience and perspective to help owners poise systems for future enhancements, securing grants and rebates (\$40+ million to date), and validate system operations through commissioning and measurement and verification efforts.



Valley View Middle School
Rain Water Harvesting System

FIRM PROFILE

Mission Statement

The places where we live, work and play represent a significant source of greenhouse gas emissions. The design and construction industry has made significant strides toward creating high performance buildings. As a result, the industry is positioned to have a profound impact by continuing to foster high performance buildings and reduce related greenhouse gas emissions.

As engineers, we understand the need to exercise leadership in creating the built environment. We are committed to making alterations in our practices to inspire responsible use of resources for generations to come, both operational and embodied.



Casey Family Programs Headquarters Tenant Improvement | LEED® Gold Certified

FIRM PROFILE

Sustainability Leadership



MICHAEL BARANICK

PE, CEM®, CMVP®, LEED®
Green Associate

Senior Associate, Energy Services

Mike brings forth a passion for sustainable facilities with his technical background as a mechanical engineer. He integrates into design teams to identify conservation strategies for the life of the building and beyond. He is a technical resource to design teams, as well as jurisdictional authorities and associations on energy code interpretation and applications to meet project objectives. He has presented several seminars to industry partners and community members on emerging technologies and sustainable applications.



BRENDON INMAN

PE, LEED® AP BD+C
Principal, Electrical

An executive leader, Brendon provides technical leadership and operations direction. He is actively involved with projects across the firm's portfolio with specialized experience serving public agencies. He is well-versed in electrical and lighting system technologies and he optimizes project outcomes.



BRIAN CANNON

PE, LEED® AP

Associate Principal, Mechanical

Experienced employing sustainable design to improve energy efficiency and water conservation within the guidelines of WSSP, EnergyStar®, and LEED® programs, Brian balances applications with client objectives. He has contributed to some of the firm's most sustainable projects. Advancing clients' conservation goals, he balances programmatic requirements with adaptive solutions responsive to performance metrics.

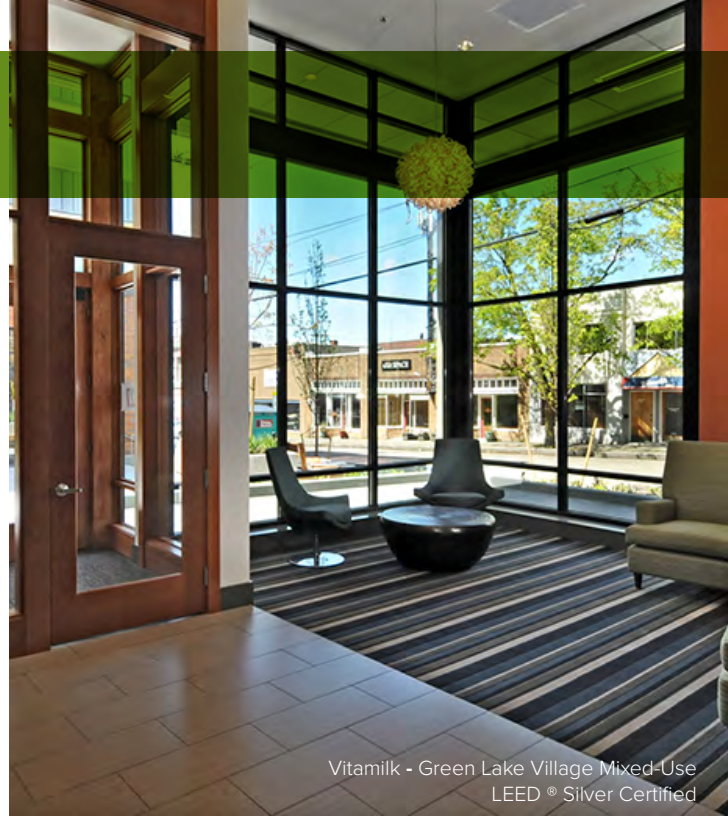


MIKE ROBERTS

PE, LC, LEED® AP

Associate Principal, Electrical

Mike's proactive approach to obtaining and applying his knowledge of sustainable systems translates into the development of options that incorporate lighting control systems and day-lighting, photovoltaic, wind and power monitoring systems into facility operations. By focusing on how sustainable applications can benefit the life cycle, budget, user and environmental outcomes for new construction, renovation and remodel projects, Mike offers viable solutions.



Vitamilk - Green Lake Village Mixed-Use
LEED® Silver Certified

OUR COMMITMENTS

We are committed to incorporating sustainable principals into our design efforts, providing tools and data to help promote sustainable operations, incorporating marketing and sharing best practices, and the continual education of our staff and industry partners.



**Establish a
Company Plan**



**Request Environmental
Product Declarations
(EDPs)**



**Request Low Global
Warming Potential (GWP)
Refrigerants**



**Participate in
Industry Events**

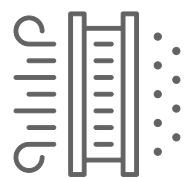


ESTABLISH A COMPANY PLAN

Establish a company plan to reduce operational and embodied carbon across MEP systems on all projects, targeting zero by 2040. Measure and report progress against that plan annually.



City of Seattle Fire Station No. 32 | LEED® NC 2.2 Platinum Certified



REQUEST LOW GLOBAL WARMING POTENTIAL (GWP) REFRIGERANTS

Request low-GWP refrigerant availability when designing systems to reduce or eliminate GHG emissions from refrigerants.

Everett Community College Liberty Hall
LEED® Gold Minimum



REQUEST ENVIRONMENTAL PRODUCT DECLARATIONS (EDPs)

Request Environmental Product Declarations (EPDs) in project specifications for MEP system components.

Puget Sound Energy North Seattle Operations Center
LEED® Silver Certified



PARTICIPATE IN INDUSTRY EVENTS

Participate in a quarterly MEP 2040 Forum and a CLF Community discussion group to share lessons learned and contribute to a growing body of knowledge.



Internal and External Training/Seminar Sessions



CONCLUSION

What's Next



At Hargis Engineers we understand the criticality of sustainable design as it relates to the built environment. The places where we live, play, and work have a profound impact on quality of life of all creatures on the planet.



The ambitious and critical 2040 Challenge to have all new buildings and major renovations reach zero embodied carbon by 2040 requires a firm-wide, holistic approach to engineering design.



Our sustainability leadership team will continue to build upon our practices to promote resource conservation in operations, delivery of services, and sharing of best practices.