

David MacLean USGBC Texas Best Practices “Champions” Commitment Statement

David MacLean - McMac CX “Expertise” / “Commitment”:

The following is a breakdown of the Best Practices expertise, I, my Firm McMac CX and our Global Partners are prepared to provide USGBC Texas Chapter Partners and Members, Texas School Systems, and Community facing nonprofits by way of mentorship, assistance, discounted service fee, etc. We do this so that all USGBC Texas Members can accelerate the implementation of Proven Best Practice Designs, Technologies, Policies, and Process in their projects:

People, Profit, Planet Analysis:

Expertise:

McMac CX is a Global Ambassador for the Autocase - Triple Bottom Line Cost Benefit Analysis software, which affords our Clients the ability to access the full People, Profit & Planet impacts of multiple building and community designs and operations alternatives. Validating the Social, Environmental and Financial impact of project decisions allows our Clients to justify Proven Architectural Betterments, Advanced Technologies, and World Class Processes. This Analysis potentially qualifies for 2 LEED Pilot Credits.

Our Commitment:

1. McMac CX will provide free Triple Bottom Line Cost Benefit Analysis and LEED Upload for any USGBC Texas Partner seeking LEED Platinum Certification (\$5,000 to \$15,000 Value).
2. McMac CX will provide one (1) free Triple Bottom Line Cost Benefit Analysis to any USGBC Texas Non-Profit Collaborative Partner (LEED Credits not included).
3. McMac CX will provide one (1) free Triple Bottom Line Cost Benefit Analysis to any Texas City, Municipality, Township or County Planning & Development Department, who is a USGBC Texas Member (LEED Credits not included).
4. McMac CX will provide Triple Bottom Line Cost Benefit Analyses, at a 30% reduced fee, to any USGBC Texas Member.

Limited Resources Modeling:

Expertise:

McMac CX provides Infrastructure Life Cycle Analysis modeling that is in compliance with the requirements of CEEQUAL 5.1, 5.2 and 4.1, and has been third party certified for compliancy with ISO and ENgeneral and construction specific LCA standards.

Our Commitment:

McMac CX will provide 30% reduced fee to any USGBC Texas Member.

Advocacy:

Expertise:

David MacLean is Chair of the ASHRAE Houston Commissioning Committee, formed to assist local Municipalities implement new Code requirements mandated in IECC 2015 and IECC 2018.

David is engaged with the development and deployment of the City of Houston - Climate Action Plan.

David is engaged with the Leadership of the Cities Connecting Children to Nature – Houston initiative.

David is working with the City of Houston in his capacity as Chair of the USGBC Texas Best Practices Committee and President of McMac CX to Pilot the City's first RESET Air Certification, LEED EBO+M Certification and implementation of the Arc Performance Portal.

Our Commitment:

McMac CX will give freely of our time to meet with Municipalities that are USGBC Texas Members and help them understand the magnitude of the opportunity emerging trends, transparency mandates and greater accountability requirements have on making their communities healthier, more efficient, and prosperous.

Community Engagement:

Expertise:

McMac CX was formed to find pathways for nonprofits and municipalities to gain access to Best Practices previously only available to Elite Organizations. McMac CX is engaged with the City of Houston Complete Communities, Texas Nature Conservancy and Environmental Defense Fund to accelerate the adoption solutions that create communities where Humans Prosper, Nature Thrives and Businesses Prosper.

Our Commitment:

David MacLean will meet with any USGBC Texas Member to discuss introducing your Best Practices capability to assist the mission of Nonprofits and Municipal Leaders with whom I am currently engaged.

Environmental Social Governance (ESG):

Expertise:

David MacLean is Certified by the Sustainable Accounting Standards Board (SASB) in the Fundamentals of Sustainability Accounting (FSA).

Our Commitment:

McMac CX, together with our Global Partners offer all USGBC Texas Members, a one hour consultation exploring how emerging Global, National and Local ESG transparency and accountability drivers might impact their Community or Business.

Social Equity:

Expertise:

McMac CX is committed to engaging with our Community and its Citizens to help them internalize the minimum basic Standards of Care that Community Leaders and Businesses are expected to provide when it comes to a safe and healthy indoor or outdoor environment. We educate our Citizens, Community and Business Leaders on the actual Air Quality Performance Outcomes they are subject to, which are typically well below any acceptable Standard of Care. This is particularly evident in Communities of Color and those Neighborhoods subjected to the negative impacts of being located along Houston's Ship Channel.

Our Commitment:

McMac CX has launched two Initiatives within our Community Engagement Solutions to address these issues.

The first program is our Air Champions – Citizen Scientists initiative. McMac CX has Partnered with Plume Labs of Paris France (<https://plumelabs.com/en/>) to provide advanced technology personal pollution monitors (PPM) for deployment around the world under a program designed to collect hyper-local air quality data. Launched on Earth Day 2020, McMac CX is concentrating on deployment in those areas of Houston most at risk. When PPM are purchased through our McMac CX website (<https://www.mcmaccx.com/best-practices/community-engagement-suite-of-services/air-champions/purchase-flow-pollution-monitor/>) all profits go directly to scholarships for Students who wish to become Air Champion – Citizen Scientists and hiring students to administer the program. Plume Labs is providing the aggregation and visualization of the data as we create a crowd sourcing map of Houston.

The second program is our "School IEQ Partner" initiative. Here we deploy multiple Social Techs in conjunction with implementation of basis EPA IAQ Management planning. A curriculum is in development for teachers to incorporate into after school of other programs. McMac CX has committed to subsidize our fee by 50% for any School that implements our initiative in a "Fully Transparent" manner. (<https://www.mcmaccx.com/best-practices/community-engagement-suite-of-services/school-iaq-partners/>)

Rating Systems / Sustainability Reporting:

Expertise:

David MacLean is an Accredited Professional in LEED BD&C, WELL Building Standard and RESET Air. Intimately engaged on multiple Platinum, Gold and Silver LEED Projects. As Sustainability Manger for the George W. Bush Presidential Library, David worked with the Owner and Project Team to achieve the highest point LEED Platinum building in Texas and Second highest in the Nation. The Texas record held for five years.

Our Commitment:

McMac CX, together with our Global Partners offer to all USGBC Texas Members, a one-hour consultation examining the appropriateness of deploying third-party independently verified certifications to meet their Social, Environmental and Business needs.

Air Quality:

Expertise:

1. David MacLean is the Founder of Air Champions – Citizen Scientists, launched on Earth Day 2020, a grassroots organization partnered with Plume Labs of Paris France that enables individual Citizens to collect hyper-local air quality data where they live, learn, work and play. This data is being used to create a real-time crowd sourced Air Quality mapping app.
2. David MacLean is a RESET Air Accredited Professional and is currently working with Building Owners, Tenant Businesses and Municipal Clients to outfit their facilities to achieve RESET Air Certifications.
3. David MacLean is the Commercial / Residential Deployment Manager for ClearValue Energy© (“Negative/Zero Carbon Energy©”), a Texas Clean Tech Startup that uses Photovoltaic and Biogas to create electricity, pure potable water and organic nutrients. No emissions released to the atmosphere. <https://www.clearvalue.com/>

Our Commitment:

1. McMac CX will let USGBC Texas Members site one (1) RESET Certified - Indoor Environmental Quality (IEQ) monitor (Temperature (T), Humidity (H), Total Volatile Organic Compounds (TVOC), Particulate Matter (PM10, PM2.5), Carbon Dioxide (CO2), Sound Levels and Light Levels, for two weeks to understand their environment.

Water Quality:

Expertise: McMac CX provides advanced Modeling Analysis, multiple alternative design features impacts, such as bioswales, soil type, vegetation, hardscape, green roofs, etc., have on the Quantity and Quality of water leaving the site.

Our Commitment:

McMac CX will provide 30% reduced fee to any USGBC Texas Member for this service.

Schools:

Expertise:

David MacLean has over 25 years’ experience designing advanced HVAC Systems, Renewable Energy Systems and Laboratory Indoor Air Quality Systems Engineer. coordinating design of highly efficient buildings. MEP Project Manager specializing in large Energy Plant designs.

Our Commitment:

McMac CX will provide to any USGBC Texas Member School System one (1) free Advanced Social, Environmental and Financial Modeling Analysis of up to ten (10) design alternatives, including energy, water, renewable and carbon impacts.

Technology:

Expertise:

Through Partnerships with Global Organizations, McMac CX deploys:

1. Advanced Economic Modeling and Analysis of Project alternatives establishes optimal Social, Environmental and Financial Cost Benefits “Best Business Fit”,
2. Independent verification of Building Performance Optimization opportunities via Cloud Base Data Analytics,
3. Deployment of RESET Certified Air Quality Monitors and RESET Certified Data Aggregation we provide the world’s only Independent Traceable Documentation, Performance Outcome Verification and Mandatory Visualization of a building’s ability to continuously optimize Indoor Environmental Quality (IEQ) for Employee Health and the Business’s Prosperity.

Our Commitment:

McMac CX will provide up to two (2) hours of Consulting Services to USGBC Texas Members seeking an understanding of emerging technologies, how that provide augmentation of replacement of existing processes and how they can protect investments, decrease liability and increase profitability.

Construction:

Expertise:

David MacLean is a Certified ASHRAE Building Commissioning Professional (BCxP), responsible for ensuring Contractors adherence to Owner’s intent. McMac CX Tests Building Performance Outcomes and Deploys Cloud Based Air Quality monitors during Construction to ensure compliance with LEED / WELL / Living Building Standards.

Our Commitment:

McMac CX will deploy as standard, on any USGBC Texas Member’s Above-Minimum-Code project, that McMac CX commissions:

1. Building Controls System – Cloud Based Integrated Controls Integrity Check during building testing to confirm full system integration and will continue to monitor BAS for three (3) months after to confirm stable building performance, and
2. Site one (1) RESET Certified Indoor Environmental Quality (IEQ) Monitors for the entire 12 month warranty period to provide independent verification of Indoor Environmental Quality (IEQ) in that space.

Operations:

Expertise:

1. McMac CX has created our Fundamental Facility Management Review Service. A custom evaluation and analysis of Building Facility & Maintenance Team Core Competencies compared to Globally recognized Best Practices articulated within the Pro FM International Certification. We identify gaps between internal expectations and internal capabilities, highlight long range emerging building performance expectations and create plans to augment identified gaps with technology, training and contracting of external resources.
2. McMac CX provides human supervised Cloud Base Data Analytics for HVAC Energy, Comfort, Health and Productivity Optimization. Utilizing proprietary Artificial Intelligence (AI) allows McMac CX to check all system parameters, sequences and expected functionality every minute of every day and present daily reports on system operations and costs being lost in Productivity, Energy, etc.
3. McMac CX provides the world’s only Performance Outcome and Sensor Based Building Certifications for ensuring the places where we live, learn, work, and play are Healthy, Efficient and Prosperous.
4. McMac CX provides full automated integration of Energy Meters, Water Meters and Indoor Air Quality to a Client’s Energy Star Portfolio Manager account and full data population of the Arc Performance Portal.

Our Commitment:

1. McMac CX will provide our Fundamental Facility Management review for \$1,500.00 to USGBC Texas Members also evaluating other McMac CX “Operations” Solutions.
2. McMac CX will conduct a Triple Bottom Line Cost Benefit Analysis to provide justification for Cloud Based Data Analytics, RESET Air Certification and Fully automatic Data Integration with Portfolio Manager and the Arc Performance portal.