

Juan Colon

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SUMMARY

Climate resiliency leader with 15 years directing **climate risk**, **resilient design**, greenhouse gas reduction, **sustainability**, and **decarbonization** programs across buildings, campuses, institutions, municipalities, and regional portfolios. Combines civil and environmental engineering depth with practice leadership, client advisory, master planning, and multidisciplinary design integration. LEED AP BD+C and WELL AP credentials support work with LEED, LBC, WELL, climate adaptation frameworks, emissions inventories, and ESG reporting expectations. Leads specialists, guides executive and public sector visioning, and translates risk and emissions analysis into practical design and investment strategies. Directs research, methodology development, graphical storytelling, case studies, whitepapers, proposals, and conference presentations. Clear communication and sound technical judgment support climate programs across facility, campus, and regional scales.

EXPERIENCE

Principal, Climate Resilience

January 2022 - Present

Aster Climate Design Group

Denver, CO

Leads a multidisciplinary climate resilience practice serving institutional, municipal, corporate, and campus clients. Sets technical direction, develops repeatable services, mentors specialists, and connects climate analysis with capital planning and design delivery.

- Led climate risk and decarbonization programs across **institutional** and **municipal** portfolios, guiding investment decisions.
- Advised client executives through **climate action** visioning, linking hazards, operations, capital planning, and emissions pathways.
- Directed campus master plans integrating resilient design, energy strategy, LEED, WELL, and phased implementation.
- Mentored engineers and sustainability specialists through review standards, research priorities, and repeatable analysis workflows.
- Produced climate risk narratives, emissions assessments, **case studies**, whitepapers, and executive visualizations for decision makers.
- Shaped **proposal narratives**, **technical approaches**, scopes, and fees for multidisciplinary climate service pursuits.

Director, Climate and Decarbonization

March 2018 - December 2021

Front Range Sustainable Engineering

Boulder, CO

Managed climate and decarbonization programs for higher education, healthcare, civic, and commercial portfolios. Coordinated architects, engineers, analysts, and planners around emissions planning, hazard assessment, reporting, and implementation sequencing.

- Managed decarbonization programs for higher education, healthcare, civic, and commercial building portfolios.
- Led greenhouse gas inventories and reduction plans covering electrification, renewables, **embodied carbon**, and sequencing.
- Directed hazard and vulnerability studies for heat, **wildfire smoke**, drought, flooding, and **infrastructure dependencies**.
- Integrated LEED, LBC, WELL, and **ESG reporting** requirements into planning frameworks and project criteria.
- Built cross discipline workflows that placed climate requirements earlier in project development and design reviews.
- Produced **technical reports**, strategy maps, **executive presentations**, and proposal content for client decisions.

Senior Resilience Consultant

June 2014 - February 2018

Civic Ecology Partners

Portland, OR

Delivered resilience planning and sustainability analysis for public agencies, campuses, and institutional facilities. Converted hazard, emissions, and stakeholder findings into practical criteria, roadmaps, and **communication materials**.

- Delivered resilience planning for public agencies, campuses, and **institutional** facilities using structured assessment methods.
- Developed **climate risk** studies linking hazard exposure, sensitivity, critical functions, and adaptive capacity.
- Prepared building and **campus** greenhouse gas baselines supporting energy, transportation, and operations planning.
- Facilitated **stakeholder workshops** that converted sustainability goals into project criteria and implementation roadmaps.
- Created maps, diagrams, dashboards, and narratives that clarified findings for nontechnical decision makers.
- Researched adaptation practices and **building** standards, documenting methods that improved analytical consistency.

Sustainability Engineer

July 2011 - May 2014

Cascade Building Performance

Seattle, WA

Performed sustainability and building performance analysis for commercial, civic, and institutional projects. Supported design teams with certification documentation, emissions calculations, climate **research**, and practical recommendations.

- Performed **sustainability** and building performance analysis for commercial, civic, and institutional design projects.
- Supported **LEED** documentation covering **energy**, water, indoor environmental quality, and site performance goals.
- Built emissions calculations and benchmarking summaries that informed operational carbon reduction decisions.
- Researched climate projections and resilience precedents, documenting implications for project criteria.

- Coordinated with architecture and **engineering** teams to incorporate sustainability measures into building designs.
- Prepared client presentations and technical narratives connecting analysis results with practical **recommendations**.

PROJECTS

Regional Decarbonization Planning Framework 📅 2023

Created a repeatable planning framework connecting emissions inventories, climate risk, capital priorities, and phased decarbonization actions across regional portfolios.

Climate Adaptation Decision Toolkit 📅 2020

Developed assessment guidance linking hazard exposure, adaptive capacity, resilient design strategies, and stakeholder priorities for campus and municipal planning.

LEADERSHIP & AWARDS

- Resilient Design Research Citation, Regional Green Building Forum, 2024
- Climate Adaptation Working Group, Technical Mentor, 2021 - Present
- Regional Resilience Conference, Recurring Technical Presenter, 2019 - Present

EDUCATION

Master of Science in Civil and Environmental Engineering

2011

University of Washington GPA: 4.0

Seattle, WA

Coursework: Climate risk assessment, environmental systems, sustainable infrastructure, emissions analysis

Bachelor of Science in Mechanical Engineering

2009

Colorado State University GPA: 4.0

Fort Collins, CO

Coursework: Thermodynamics, energy systems, fluid mechanics, building systems

CERTIFICATIONS

- LEED AP BD+C 📅 2012
- WELL AP 📅 2018

TECHNICAL SKILLS

- **Climate Assessment:** Climate risk assessment, hazard analysis, vulnerability assessment
- **Resilient Design:** Resilient design, climate adaptation, adaptive capacity
- **Emissions Planning:** GHG inventories, emissions reduction, decarbonization
- **Green Building:** LEED, LBC, WELL
- **Reporting Frameworks:** ESG reporting, sustainability reporting, emissions disclosure
- **Master Planning:** Campus planning, regional planning, capital planning
- **Building Analysis:** Energy analysis, carbon analysis, building performance
- **Engineering Systems:** Mechanical systems, electrical systems, civil infrastructure
- **Communication Tools:** Data visualization, dashboards, graphical representation
- **Delivery Methods:** Case studies, whitepapers, technical reports
- **Business Development:** Proposal narratives, technical approaches, scopes and fees
- **Stakeholder Engagement:** Client workshops, executive presentations, conference presentations

SKILLS

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|----------------------------|----------------------------------|--------------------|------------------------|
| • Climate Risk Assessment | • Decarbonization | • WELL | • Data Visualization |
| • Resilient Design | • Sustainability Master Planning | • ESG Reporting | • Whitepapers |
| • Climate Adaptation | • LEED | • Client Visioning | • Proposal Development |
| • GHG Emissions Assessment | • LBC | • Research | |

PROFESSIONAL AFFILIATIONS

- Climate Adaptation Working Group, technical mentor since 2021
- Regional Resilience Conference, recurring technical presenter since 2019

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST