Autocase Economic Advisory

Contact Us

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Urban Planning Economics

Autocase Economic Advisory supports the urban planning sector by quantifying and valuing municipal development policies, investments in green space and infrastructure, changes to building standards and public housing, among others. Autocase Economic Advisory is the economic consulting stream of Autocase. Our team of experienced consultants have conducted economic analyses on over \$100 billion worth of projects and successful grant applications, our expertise in urban planning is concentrated in:

Economic Analyses

- Capital Investment Planning Valuation and Blue-Green & Green-Gray Infrastructure Prioritization
- Carbon Life Cycle Analysis
- Cross Asset Strategic Planning
- Cost Benefit Analysis (CBA)
- Econometric Modeling
- Economic Impact Analysis (EIA)
- Financial Life Cycle Cost Analysis
- Geospatial (GIS) Impact Evaluation
- Grant Application Support
- Life Cycle Cost Analysis (LCCA)
- Multicriteria Decision Analysis (MCDA)
- Real Estate Economic Analysis
- Regulatory Economic Analysis
- Resilience Analysis with Climate Change
- Probabilistic Risk Analysis/Monte Carlo

Sector Knowledge

- Climate Adaptation & Hazard Mitigation
- Electrification, Decarbonization & Net Zero
- Environmental, social, and governance (ESG)
- LEED, WELL, Fitwel, Envision Certifications
- Nature-based Solutions
- Regional Economic Development
- Urban Agriculture

Valuation Methods

- Ecosystem Services & Natural Capital
- Green Space & Urban Heat Island
- Input-Output Multipliers
- Local Carbon Pricing and Trading
- Macroeconomic Indicators
- Public Co-benefits



Quantify

- Lives Saved from **Reduced Heat Island**
- Park Visitors
- Price Forecasts
- Tons of Carbon
- Vehicle Miles Travelled



Value

- Carbon Tax
- Ecoliteracy Benefits
- Infrastructure Costs
- Public Health Savings
- Recreation Value
- Value-added to GDP



Communicate

- Case Studies
- KPIs
- Literature Reviews
- Methodology Reports
- Technical Reports
- Stakeholder Seminars

Trusted by Industry









Supported the SA Climate Action Plan to provide policy-makers with information to prioritize greenhouse gas reduction mitigation and adaptation strategies to reach carbon neutrality by 2050. Strategies to reduce greenhouse gases included benchmarking and disclosure requirements for large buildings; electric vehicle and solar-ready requirements; cool roof requirements; zero net energy (ZNE) building codes for municipal buildings; and municipal streetlight LED conversion. Access the report.

Provided insights into the outcomes of changing the living/green roof building policy in the SoMa neighborhood in San Francisco, California to inform municipal decision-making for the City's Planning Department. The evaluation assessed a variety of benefits, including improved water quality and recreation opportunities, reductions in carbon and air pollutant emissions, flood risk, heat island effect, among others.

Engaged by California State University (CSU) and partnered with HOK to analyze eight sites for campus expansion using MCDA. The analysis evaluated measurable environment and resilience criteria that reflected existing site conditions and capacity for expansion. Criteria evaluated included water scarcity, climate factors, sustainable food options, energy conservation policies, and waste management systems at the site and municipal level. The quantified MCDA generated a list of scores for each campus site, thereby ranking the optimal sites for investment by CSU.

To help inform its sustainable building policy, Autocase Economic Advisory analyzed four separate, post-construction LEED Gold buildings in Calgary and compared each building to a hypothetical Silver building using the triple bottom line cost benefit approach. Forecasted benefits and costs including impacts related to greenhouse gases, criteria air contaminants, stormwater, potable water, health and productivity, and transportation.

Visit our website for more project experience and case studies.

About Us

Our team of professional economists conduct rigorous, evidence-based economic analyses of the financial, social, and environmental costs and benefits of sustainable and resilient investments in the infrastructure, real estate, public policy and regulatory worlds.

Our economic analyses help you prioritize investments, understand risks, develop strategic plans, report ESG metrics, secure funding, communicate with stakeholders, support climate equity, and understand the holistic trade-offs of your investments and policies. We provide objective, thirdparty, data-driven quantitative insights to support you.



Interested in our services? Contact us at: eric.bill@autocase.com or www.autocase.com/advisory-services