



Sustainable Design and the Stimulus Program

Stantec is a recognized leader in sustainable design and sustainability consulting. We can assist agencies in achieving a key goal of this stimulus program—promoting economic recovery through investment in sustainable infrastructure.



Building Design and Energy Management

- High performance building design
- Building retrofit design
- LEED® rating systems consulting
- Daylighting and natural ventilation strategies
- Building performance evaluations
- Review and design of renewable and alternative energy systems such as:
 - photovoltaic
 - wind energy
 - micro hydro processes
 - fuel cell
 - geothermal
 - cogeneration
 - district energy systems
- Evaluation of funding and incentive programs that support energy conservation and GHG reduction
- Existing building/asset energy audits and GHG inventories, and associated reduction strategies

Water

- Integrated water resources planning and management
- Natural or passive treatment systems (wetlands and marshes)
- Advanced water and wastewater treatment technologies
- Waste heat recovery
- Stormwater management
- Water conservation
- Groundwater banking and conjunctive use
- Water transfers
- Biosolids and residuals management

Waste

- Integrated waste management plans
- Recycling facilities
- Composting facilities
- Transfer Stations
- Landfills



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- Waste to energy
- Recovery and remediation systems

Site/Environmental Management

- Environmental assessment and impact statements
- Site design that addresses water balance, soils and habitat
- Soil retention, and prevention of erosion and sedimentation
- Grading that minimizes construction soil disturbance
- Soil restoration and remediation
- Endangered species monitoring
- Waste reduction strategies such as composting
- Development that emphasizes the use of captured precipitation

Transportation

Stantec designs roadways, bridges, mass transit, light rail, bikeways and pedestrian pathways. Sustainable strategies include:

- Design of road alignment to avoid ecologically sensitive areas
- Runoff treatment systems and stormwater management plans
- Design of permeable surface treatments
- Use of “cool” pavement to reduce urban heat island effect

A leading North American sustainable design firm, Stantec has been involved with the design for more than 60 LEED certified and 200 LEED registered projects.

We offer our services through 10,000 employees in more than 130 offices across the United States and Canada.

