

PWGC EXPERTISE

Energy/Sustainability Solutions

- Geothermal Systems Feasibility Analysis, Design, Permitting and Construction Management
- Carbon Footprint Analysis, Profile & Management
- Power Generation
- Fuel/Alternative Fuels Systems Design, Permitting, Compliance, Construction Management
- Emissions Reduction
- Alternative Fuels Facility Design
- LEED and Green Consulting
- Green Roof/ Solar System Consulting

Civil/General Engineering

- Site Planning/Design
- Construction Planning, Management, QA/QC
- Facility Design & Condition Assessment
- Specifications, Cost Estimating
- Drainage Planning & Design

Consulting

- Expert Testimony/Counsel, Regulatory Liaison, Project Inspection/Owners Representation

Environmental Compliance & Management

- Phase I, Phase II Environmental Site Assessments
- Brownfield Support Services
- Regulatory Compliance Reporting
- Air, Water & Soil Sampling/Monitoring
- Environmental & Health Risk Assessment
- Cost Estimating
- Air Quality & Air Emissions Inventories
- Title V Permitting
- TRI Reporting
- Radiological Emissions
- Contingency Plan Development & Revision
- Facility Plan Preparation: SPCC, SWPPP, FRP

Wastewater & Water Supply

- Water Supply & Wastewater Design
- Treatment & Distribution Systems Planning & Design
- Groundwater Modeling
- Evaluation, Planning & Technical Assistance
- Conservation Plan Development
- Comprehensive Feasibility Studies

Remediation/Hydrogeology

- Environmental Audits (Assess Environmental Liability)
- Risk-based Approach
- Remedial Investigation, Action
- Remediation Systems Selection & Design
- Groundwater Contamination
- Contaminant Fate & Transport Computer Modeling
- UST/AST Management



Strategic Environmental Engineering Solutions

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STRATEGIC ENVIRONMENTAL ENGINEERING SOLUTIONS

Why Go Green?

Research shows that the built environment, notably buildings, businesses and industrial processes have an enormous impact on our natural resources, the economy, health and productivity. Benefits of going green include:

- **Environmental Benefits:** improving air and water quality, reducing solid waste and conserving natural resources.
- **Economic Benefits:** reducing energy and operating costs, enhancing asset value and profits by optimizing public relations and marketing, improving employee productivity, comfort, health and satisfaction.
- **Health and Community Benefits:** improving air, thermal and acoustic environments, minimizing strain on local infrastructure and improving the quality of life.

Applying Knowledge and Insight

To integrate green initiatives, PWGC will work with you to establish a base line by assessing existing processes and recommending profitable green practices in areas of energy usage, water usage, waste water generated, materials usage and waste minimization.

If your goal is to obtain LEED (Leadership in Energy and Environmental Design) certification from the U.S. Green Building Council, PWGC can assist you in the following LEED categories:

- **Sustainable Sites:** PWGC specializes in Civil/Site Design to obtain the most LEED points in:

- ◇ Site selection,
- ◇ Erosion and Sedimentation Control,
- ◇ Brownfield Redevelopment,
- ◇ Alternative Transportation, and
- ◇ Stormwater Management.

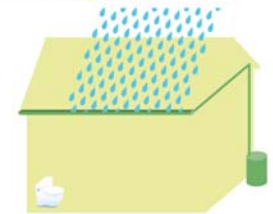
Sustainable Sites (SS)



- **Water Efficiency:** PWGC specializes in Civil/Sanitary Design to obtain the most LEED points in:

- ◇ Water Efficient Landscaping,
- ◇ Innovative Wastewater Technologies, and
- ◇ Water Use Reduction.

Water Efficiency (WE)



- **Energy & Atmosphere:** PWGC specializes in Civil Engineering to obtain the most LEED points in:

- ◇ Energy Efficient Geothermal Systems.

Energy & Atmosphere (EA)



CONTACT US

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