

>Vegetation and Soil Management



The power industry continues to see pollinator-friendly and soil health initiatives required by permitting agencies, community stakeholders, and their own corporate sustainability initiatives.

ECT helps power companies and other private organizations assess the opportunity to apply restoration techniques to their projects and monitor the results. Our team's vegetation management approach is rooted in knowledge of native and novel ecosystems and focused on stacking ecosystem benefits in multi-use landscapes. ECT's team of soil scientists offers unique solutions to establish proper soil and nutrient management activities to ensure robust establishment and vegetation growth.

Project Plans

Our team utilizes a cost/benefit decision-making process to develop design, permitting, construction, and maintenance plans. The strategic vegetation management plans support permit needs and combine beauty and function, with a return on operation and maintenance expenses. We implement habitat management services that produce high-quality landscapes that support grassland-dependent species.

Site Selection, Analysis & Assessment

Using available online databases our soil scientists create soil sampling plans and evaluate soil profiles for cut and fill estimates. ECT can provide nutrient management recommendations based on the project's vegetation goals and also perform infiltration testing and bulk density sampling to understand potential compaction and infiltration issues.

VEGETATION AND SOIL MANAGEMENT (VMPS) PLAN GOALS

- 1 Establish pollinator-friendly vegetative cover that complies with all permits and regulations and provides beneficial habitat within the project footprint.
- 2 Define the sequence of short-term and long-term vegetation management practices that will be used to cost-effectively maintain a high-performing habitat in alignment with project goals.
- 3 Meet the beneficial habitat standards consistent with state and local statutes.
- 4 Manage noxious weeds consistent with state and local statutes. state and local
- 5 Provide science-based methods to maintain soil health and best management practices.

Agricultural Monitoring

ECT can provide agricultural monitoring to review sites for stressed vegetation, ponding, and compaction issues and design a soil restoration plan to be implemented post-construction.

Soil Evaluation and Best Management Practices

ECT's in-house soil scientists can review your site for soil suitability and provide direction on best management practices (BMPs) to reduce potential erosion risk. ECT will use science-based methods to implement soil reclamation plans and perform nutrient analysis to strengthen the vegetation plan approach. Adaptively manage sites using appropriate methods to reach desired design and ecological goals.

Native Seed Mix & Planting Design

ECT can select and source native plants with diverse bloom periods, structures, and colors to achieve desired design and ecological goals. ECT understands that utilizing a cost/benefit decision-making process to develop design, permitting, construction, and maintenance plans generate projects that demonstrate long-term sustainability through maintenance savings and corporate sustainability initiatives.

Invasive Species Management

Management plans are prepared to prioritize and recommend appropriate methodologies for long-term invasive species control.

Corporate Initiatives

Whether related to community and customer outreach or corporate sustainability goals, ECT guides our clients on how to connect pollinator habitat investments to larger corporate efforts and also support the education, communication, and cost/benefit analysis for an organization or community.

LOCAL PERMITTING & STAKEHOLDER ENGAGEMENT

An effective public outreach program is proactive. The entity seeking the permit approval should communicate project details to various constituents early in the process. By keeping the channels of communication open and understanding opposition, there is a better opportunity to address issues early on and assure project success.

ECT's public outreach services typically includes:

- Identify key stakeholders, government agencies, etc.
- Develop the public outreach plan, including the objectives and key messages, and identify community involvement opportunities.
- Schedule program implementation..
- Prepare collateral including press releases, public notices and educational materials.
- Design and execute volunteer events to strengthen community relations.

