



VEHICLE ELECTRIFICATION SERVICES

DKS Associates, an employee-owned transportation planning and engineering firm, provides a range of smart mobility services, including planning and design of charging infrastructure for light, medium and heavy-duty Electric Vehicle (EV) fleets, public charging, and workplaces. DKS' clients include municipalities, school districts, universities, ports, utilities, and corporations.

DKS' VEHICLE ELECTRIFICATION SERVICES:

FLEET ELECTRIFICATION
Comprehensive vehicle and charging infrastructure planning to convert light, medium, and heavy-duty vehicles to electric propulsion.

EVSE INSTALLATION DESIGN
Infrastructure design for Level 2, DC Fast, and high power chargers, including cost estimation, construction documentation, permitting, coordination with local utilities, and EV charging networks.

TRANSIT ELECTRIFICATION
Bus electrification planning including battery charging infrastructure alternatives, electrical substation feasibility, technology planning, operations, and environmental review.

EV INFRASTRUCTURE PLANNING
Strategic selection of sites for fleet, workplace, residential, public right-of-way, destination, and shared mobility EV charging based on travel demand expertise.

DKS' EV CHARGING ANALYTICAL TOOLS:

1. Total Cost of Ownership Tool

Assesses the total Cost of Ownership (TCO) of multiple EVs in comparison to petroleum-fueled vehicles and calculates the payback period and return on investment.

2. Fleet Charging Capital Cost Evaluation Tool

Determines quantities of chargers needed by charger type and calculates comparative project costs for multiple alternative charging strategies.

3. Fleet Charging Operational Cost Evaluation Tool

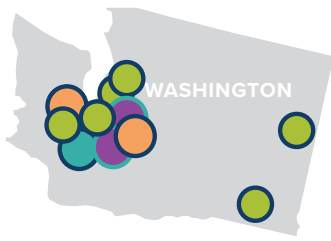
Uses multiple adjustable inputs to evaluate annual operating cost of multiple charging strategies for business case support.

4. Public Charger Siting Optimizer

Identifies optimal public DC fast and Level 2 charging locations based on modeled future vehicle trips and land use data.

5. Facility Charger Siting Prioritization Model

Uses multiple, adjustable selection criteria to guide EV charger distribution at transit passenger facilities or workplace parking.



EV CHARGING PROJECT EXPERIENCE:

Type of Project				Tools Used				
Fleet Electrification	EVSE Installation Design	Transit Electrification	EV Infrastructure Planning	Total Cost of Ownership (TCO)	Fleet Charging Operational Cost Evaluation Tool	Fleet Charging Capital Cost Evaluation Tool	Public Charger Siting Optimizer	Facility Charger Siting Prioritization Tool

City of Spokane Green Fleet Plan, Spokane, WA	●					●	●	
Sacramento Municipal Utility District EV Charging Technical Conditions, CA		●						
Lawrence Berkeley National Laboratory Electromobility Plan, CA				●				
City of Davis EV Charging Infrastructure, CA		●		●			●	
City of Walla Walla Fleet Electrification, WA	●	●		●				
Peninsula Regional Transportation Planning Organization Inventory of Plans, Policies, and Data Regarding EV Readiness, WA				●				
King County Assessment of Electric Vehicle Charging Infrastructure, WA	●			●	●	●	●	
University of California Davis Campus Electric Vehicle Study, CA				●				●
Island Region Vehicle Electrification Study, WA				●				
Transitioning Metro Non-Bus Fleets to Zero Emissions – Feasibility Study, WA	●			●			●	●
City of Seattle Electric Vehicle Supply Equipment Systemwide Assessment, WA	●							
City of Tacoma Electric Vehicle Supply Equipment Siting Study, WA	●			●			●	
East Bay Community Energy Municipal Fleet Electrification Study, CA	●						●	
South San Francisco Electric Vehicle Selection, CA	●				●			
City of Fremont Electrification Study Fleet, CA	●							
Eluminocity Electric Vehicle Charger Design, WA		●						
King County Ferry Terminal Electric Vehicle Charger Design, WA		●						
King County Metro Transit Base Electrification, WA			●					
Electric Bus Charging Infrastructure for Sonoma/Mendocino Co. Planning and Engineering, CA			●					
City of Sacramento EV Implementation Blueprint, CA				●				●
South San Francisco Electrical Vehicle Charging Station Master Plan, CA	●			●				
Metropolitan Water District Fleet Inventory, CA	●			●				●

TO LEARN MORE, PLEASE CONTACT:

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