



Trinity Consultants is a leading global environmental consulting firm that brings 50 years of experience providing services and solutions in the EHS Regulatory Compliance, Built Environment, Life Sciences, and Water & Ecology markets. Trinity has the technical expertise, industry depth, and specialized capabilities to help clients achieve their goals across the natural and built environments.

Litigation involving vehicle emissions, transportation fuels, and emission control technologies often turns on complex technical and regulatory questions. Trinity provides expert witness and consulting-expert support grounded in decades of experience with EPA, CARB and other state/local regulatory programs, delivering testimony and analysis in federal and state courts, before the Patent Trial and Appeal Board (PTAB), and at the U.S. International Trade Commission (ITC).

Expert & Consulting Witness Services

- **Testifying & Consulting Experts:** Serving as both testifying and consulting experts in federal, state, and administrative proceedings
- **Expert Reports & Testimony:** Preparing expert reports, supplemental and rebuttal reports, declarations, and affidavits, and providing deposition and trial testimony
- **Regulatory History Analysis:** Reconstructing the history and context of EPA and CARB rulemaking relevant to a dispute
- **Document & Prior Art Review:** Reviewing technical documents, certification records, and prior art to build a clear, defensible record
- **Cross-Examination Support:** Assisting counsel in preparing the cross-examination of opposing experts

Technical Subject-Matter Expertise

- **Transportation Fuels & Additives:** Analyzing how reformulated and oxygenated gasoline, diesel additives, and octane enhancers affect emissions and air quality, including RFS programs
- **RFS, LCFS and Related Fuels Programs:** Addressing compliance with federal and state clean fuel programs, federal clean fuel production credits, and GHG reporting for fuel suppliers; quantifying carbon credit generation; third party verification and certification services; developing carbon intensity values via life cycle assessment principles
- **Engine & Vehicle Certification:** Evaluating EPA and CARB certification across on-road, nonroad, heavy-duty, marine, locomotive, aircraft, and handheld categories

- **In-Use Compliance & Enforcement:** Addressing certification pathways, in-use compliance, enforcement actions, and cost of compliance, including GHG and fuel-economy standards
- **Emission Control Technology:** Assessing evaporative and refueling vapor-recovery systems, carbon canisters and adsorbent materials, and combustion system design
- **Emissions Benefits & Cost Analysis:** Quantifying the benefits, costs, and cost-effectiveness of control measures, from accelerated retirement to hybrid, electric, and fuel-cell technologies

Areas of Litigation Support

- **Product Liability:** Fuel composition and additive matters addressing emissions and air quality impacts
- **Intellectual Property:** Patent disputes over fuel and emission control technologies before district courts, the PTAB, and the ITC
- **Regulatory & Enforcement:** Engine certification, in-use fleet regulation, idling restrictions, and related enforcement actions
- **Greenhouse Gas & Fleet Strategy:** State adoption of GHG and fuel-economy standards and the impacts on manufacturers
- **Renewable Fuels Compliance Strategy:** Impacts of federal and state clean fuels programs on fuel producers and project investors
- **Emissions & Air Quality Modeling:** Quantifying impacts of fuels, fleets, and control technologies to support testimony

ISO 9001:2015 certified at our corporate office in Dallas, Texas

CONTACT OUR TEAM!

For more information about how we can help your organization, please contact us.

Jim Lyons

P 916.837.3618 / jlyons@trinityconsultants.com

Alex Marcucci

P 650.759.1224 / amarcucci@trinityconsultants.com

SCAN THE QR CODE TO LEARN MORE

