VMT METRICS APPLICATION & ANALYSIS FOR SB 743 COMPLIANCE (TE-53)

COURSE OUTLINE

8:00-8:15  Self-Introductions and Course Overview

8:15-9:15  Module 1: Role of VMT in SB 743

Learning Objective
- Understand the role of VMT for environmental impact analysis versus transportation planning.
- SB 743 Legislative Intent
- SB 743 Analysis Flow Charts
- VMT Screening

9:15-10:15 Module 2: VMT Estimation and Forecasting

Learning Objective
- Understand the methods VMT estimation and forecasting. This will include differences in VMT methodology for air quality, greenhouse gas, energy, and transportation impacts.
- Data and models
- Project versus cumulative analysis
- Differences in methods for energy, air quality, greenhouse gas, and transportation impact analysis
- Induced Travel

10:15-10:30 Break

10:30-11:30 Module 2: VMT Estimation and Forecasting (continued)

Learning Objective
- Understand the methods VMT estimation and forecasting. This will include differences in VMT methodology for air quality, greenhouse gas, energy, and transportation impacts.
- Case Studies – General Plan, Land Use Project, Transportation Project

11:30-12:00 Interactive Engagement Exercise on Module 2
12:00-1:00  Lunch (on your own)

1:00-2:00  Module 3: Significance Thresholds
Learning Objective
- Understand the key factors in establishing significance thresholds.
  - SB 743 legislative intent
  - OPR recommendations
  - Role of ARB’s Mobile Source Strategy, RTPs, and general plans
  - Relationship to air quality and GHG thresholds

2:00-3:00  Module 4: Mitigation
Learning Objective
- Understand mitigation sources, strategies, and limitations.
  - Plan level versus project level mitigation
  - Influence of the built environment versus TDM strategies
  - CAPCOA GHG Mitigation Reduction Strategies

3:00-3:15  Break

3:15-4:30  Module 5: Case Studies and Practical Example Exercise
Learning Objective
- Threshold setting interactive exercise
- Review project examples and discuss impact findings and mitigation effectiveness

4:30-5:00  Wrap Up and Course Evaluation