Supplemental Project Notice

ELECTRIC TRANSPORTATION INFRASTRUCTURE PROGRAM SUPPORT (ETIPS) 2.0

PROJECT HIGHLIGHTS

- Customizable support, helping utilities design and implement customer-facing electric vehicle (EV) infrastructure deployment programs
- Tailored to needs of utilities new to the EV space or those seeking to review their current strategy and identify future opportunities
- Uses market-tested processes resulting in local market/utility assessments, cost/benefit calculations, preferred utility role identification, program investment options and finally, program design and implementation support
- Leverages more than 30 years of EPRI collaborative research, expertise and thought leadership, as well as the best practices from member companies across the country
- Electric Transportation Infrastructure Program Support (ETIPS) for utilities

Objectives

- Provide tailored, cost-effective, and timely support for utilities developing and deploying EV infrastructure programs
- Utilize market-proven methodologies and leverage best practices and lessons learned across the country
- Create enhanced value to utilities and their customers, regardless of a utility's EV market knowledge/expertise

Background and New Learning

Utilities (IOU, Municipal and Cooperative) have, and are, planning to invest significant resources ($6.1 billion by IOUs alone) in EV charging infrastructure deployment programs. All utilities are also planning for future impacts of EV incremental load on their electrical systems.

As more utilities look to either develop or "refresh" their own EV charging deployment programs, EPRI is uniquely positioned to provide solutions and supporting data and analysis, based on over 30 years of expertise and thought leadership in the EV marketplace.

ETIPS 2.0 builds on the original ETIPS program, the learnings from which have been incorporated into EPRI's Electric Transportation research program.

Key Benefits

- Flexible and customizable, addressing a specific utility's needs, whether new to the EV space or seeking a strategic refresh
- Comprehensive support, as needed, based on market-tested processes to assess local conditions, cost/benefit analysis, utility role and program investment options, as well as program design and implementation guidance
- Leverages learnings from EPRI's unique collaborative structure and the ability to "convene" and identify best practices from utility program veterans
- Enables increased transportation electrification and its broad public benefits, including helping to increase system utilization and renewables integration, as well as improving the air quality of utility customers and the communities they serve

Summary and Approach

ETIPS applies its various frameworks to a utility's unique circumstances through six workstream options.

A: Local Conditions Assessment – quantifies local air quality (SO_2, NO_x, and $PM_{2.5}$) benefits based on utility grid emissions data. Assesses local key policy drivers and barriers that impact vehicle volume and load scenario planning (available through P18Z membership), and documents utility business needs and current utility transportation electrification activities.

B: Cost/Benefit Analysis – quantifies a high-level cost/benefit (on a per unit basis) for five vehicle segments—light passenger vehicles, light commercial vehicles, medium/heavy-duty short-haul fleets, transit, and school buses—including Ratepayer Impact Measure (RIM), Total Resource Cost (TRC), Total Value Test (TVT) and Participant test.

C: Strategic Roles & Program Design Options – identifies, through a series of market-proven frameworks, the preferred role the utility should play in each vehicle segment (or in aggregate). Evaluates different program investment options for the utility based on the preferred role and results in a set of guiding principles to frame future program design.

D: Gap Assessment – reviews utility's existing roadmapping, cost/benefit analyses and strategic planning, and identifies any gaps that need to be addressed prior to ETIPS program design and implementation support.

E: Program Design Support – supports the utility's efforts to design a program. Includes, as needed, preparing a business case, developing a program outline and structure, developing a third-party engagement plan, conducting organizational planning, and finally completing a program design.

F: Program Implementation Support – supports the utility's efforts to implement a program. Includes, as needed, developing Request for Information, or Request for Proposal, outlines, customer journey and vendor journey process mapping and streamlining, education and outreach support, and data tracking for internal and external reporting.

Deliverables

Each section (A-F) includes the following deliverables:

- Data input worksheets
- Executive PowerPoint Presentation (20-25 slides) – summarizing ETIPS results at a high level and supported by any executive leadership discussions
- Master PowerPoint presentation (50-60 slides) – summarizing all ETIPS results in detail
- Excel workbooks – providing back-up data for cost/benefit assessments, etc.

Price

	A	B	C	D
Small	$45k	$55k	$100k	$40k
Large	$60k	$75k	$135k	$50k

The Small/Large threshold is 20k GWh annual distribution; companies with no distribution pay the Large price. Pricing for Workstreams E & F is determined based on scope. Workstreams A-C are eligible for self-directed (SDF) or tailored collaborative (TC) funding. Pricing covers analyses for a single service territory; contact EPRI for pricing for additional territories. Pricing assumes availability of specific data that is confirmed before kickoff.

Schedule/Timing

Each workstream takes about 8 weeks. In all cases, timing estimates are dependent on utility subject matter expert (SME) availability and some workstreams may also be accomplished concurrently.

Who Should Join

Utility executives and SMEs responsible for customer-facing program development. May include representatives from marketing, customer service, regulatory affairs, T&D, RD&D, etc.

Contact Information

For more information, contact the EPRI Customer Assistance Center at 800.313.3774 (askepri@epri.com).

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