

1 Q. Please provide all inputs and calculations to derive the Participant Cost Test (PC) for the EV
2 program, separately noting incentive costs, equipment costs, and bill savings, by year.

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5 A. Please refer to TC-IC-NLH-007, Attachment 1.

Residential Electric Vehicle and Charger Program¹

| Year | Participant Increased Electric Bill (\$) | A | Participant Incremental Capital Cost (\$) | B | Participant Operations and Maintenance Savings (\$) | | C | Participant Fuel Savings (\$) | D | E | Incentives (\$) | Total Participant Costs (\$) | F (A+B) | Total Participant Benefits (\$) | G (C+D+E) |
|------|--|---|---|---|---|---|---|-------------------------------|---|---|-----------------|------------------------------|---------|---------------------------------|-----------|
| | | | | | Participant Incremental Capital Cost (\$) | Participant Operations and Maintenance Savings (\$) | | | | | | | | | |
| 2021 | 32,853 | | 933,000 | | 7,568 | 159,456 | | 138,000 | | | | 965,853 | | 305,024 | |
| 2022 | 188,759 | | 4,161,000 | | 42,896 | 879,953 | | 660,000 | | | | 4,349,759 | | 1,582,849 | |
| 2023 | 551,885 | | 9,320,000 | | 124,363 | 2,431,135 | | 1,536,500 | | | | 9,871,885 | | 4,091,998 | |
| 2024 | 1,232,581 | | 6,474,000 | | 256,223 | 5,274,168 | | 1,643,250 | | | | 7,706,581 | | 7,173,641 | |
| 2025 | 2,326,285 | | 10,098,000 | | 466,772 | 9,816,587 | | 2,570,250 | | | | 12,424,285 | | 12,853,610 | |
| 2026 | 2,378,626 | | - | | 476,108 | 10,012,919 | | - | | | | 2,378,626 | | 10,489,027 | |
| 2027 | 2,432,146 | | - | | 485,630 | 10,213,177 | | - | | | | 2,432,146 | | 10,698,807 | |
| 2028 | 2,486,869 | | - | | 495,342 | 10,417,441 | | - | | | | 2,486,869 | | 10,912,783 | |
| 2029 | 2,542,823 | | - | | 505,249 | 10,625,790 | | - | | | | 2,542,823 | | 11,131,039 | |
| 2030 | 2,600,037 | | - | | 515,354 | 10,838,306 | | - | | | | 2,600,037 | | 11,353,660 | |
| 2031 | 2,617,497 | | - | | 516,436 | 10,860,696 | | - | | | | 2,617,497 | | 11,377,131 | |
| 2032 | 2,482,556 | | - | | 483,885 | 10,203,515 | | - | | | | 2,482,556 | | 10,687,400 | |
| 2033 | 2,090,102 | | - | | 395,300 | 8,538,157 | | - | | | | 2,090,102 | | 8,933,457 | |
| 2034 | 1,302,313 | | - | | 245,502 | 5,302,549 | | - | | | | 1,302,313 | | 5,548,051 | |

Discount Rate 6%

PCT² NPV³ of Participant Benefits/NPV of Participant Costs

| | |
|---------------------|-----------------|
| NPV Benefits | \$72,651,024.53 |
| NPV Costs | \$40,439,700.35 |
| PCT | 1.80 |

¹ Numbers may not add due to rounding.

² Participant Cost Test ("PCT").

³ Net Present Value ("NPV").