

ICC Docket No. 10-0527**Commonwealth Edison Company's Response to
Illinois Commerce Commission ("STAFF") Data Requests****JLH 1.01 – 1.12****Date Received: September 23, 2010****Date Served: October 8, 2010****REQUEST NO. JLH 1.10**

Please list all plug-in cars, plug-in cargo/service vehicles, hybrid bucket trucks, plug-in hybrid electric digger-derricks, and charging stations that are (1) already included in ComEd's rate base, (2) being proposed to be included in rate base in the pending rate case Docket No. 10-0467, and/or (3) currently owned by ComEd. For each of these asset groups, provide the following information:

- (a) To the extent applicable, provide the vehicle make and model, the charging station make and model, purchase invoices/receipts, accumulated depreciation, depreciation rates, technical specifications, and any relevant documents associated with the purchase, use, maintenance, and cost savings of each asset.
- (b) For the assets already included in rate base, please indicate in which rate cases ComEd proposed to add them and whether the inclusion of the asset was challenged during the rate case docket.
- (c) If applicable, please indicate by docket, exhibit, schedule, and line number where these assets are listed.
- (d) Please describe the charging infrastructure currently utilized to charge the Company's 10 plug-in electric vehicles¹. At a minimum, the Company should include the technical specifications of the charging infrastructure (e.g., input voltage, input phase, input current, output voltage, output phase, connector/cable, operating temperatures, meter specifications, safety features, and any other features the charging stations have), the initial cost of this infrastructure, the location of the infrastructure, the funding source, the charging time associated with fully charging the battery of the plug-in EVs when the battery is fully depleted, and the charging time associated with charging the battery of the plug-in EVs taking into consideration the average battery life remaining at the end of a typical day (provide battery capacity).
- (e) Please describe any upgrades or repairs to the portion of ComEd's electric distribution system that services the charging infrastructure utilized to charge the 10 plug-in electric vehicles the Company currently owns².
- (f) Please provide all workpapers related to these assets.
- (g) To the extent applicable, all documents and workpapers should be provided in Excel format with working formulas.
- (h) What does ComEd seek to learn from the proposed ComEd EV Pilot Program that ComEd cannot learn from its current stock of electric vehicles?

¹ "ComEd Adds 50 Prius Electric Plug-ins and Hybrids To One of Nation's Largest Green Fleets: Purchase to save utility 6,500 gallons of gas in 2009, reduce CO2 emissions." January 8, 2009. Chicago, IL. News Room Release. https://www.comed.com/sites/newsroom/News%20Room/newsroomreleases_01082009.aspx

² "ComEd Adds 50 Prius Electric Plug-ins and Hybrids To One of Nation's Largest Green Fleets: Purchase to save utility 6,500 gallons of gas in 2009, reduce CO2 emissions." January 8, 2009. Chicago, IL. News Room Release. https://www.comed.com/sites/newsroom/News%20Room/newsroomreleases_01082009.aspx

RESPONSE:

- (a) No charging stations, plug-in cargo/service vehicles or plug-in digger derricks are currently owned by ComEd. The following are the plug-in cars and hybrid bucket trucks currently owned by ComEd:

- Toyota Prius converted plug-in hybrids (quantity 10)
- International/Eaton hybrid bucket trucks (quantity 9)

Refer to JLH 1.10_Attach 1 for copies of invoices for the vehicles listed above. With regard to depreciation, please refer to ComEd's Response to Staff Data Request JLH 1.03 subpart c.

- (b) One of the hybrid bucket trucks was put in service in 2006 and thus is currently in ComEd's rate base. ComEd has proposed inclusion of the remainder of the assets described in subpart a as part of the rate base in ComEd's current Rate Case before the Commission, Docket No. 10-0467.
- (c) A detailed listing of the assets described in subpart a) is not a part of any filing schedule in Docket No. 10-0467. To the extent the assets were placed in service prior to December 31, 2009, the assets are included in the balance reported in ComEd's 2009 FERC Form No. 1, page 207, row 89, column g.
- (d) ComEd currently uses standard 120 volt, 20 ampere outlets for charging its Toyota Prius converted plug-in hybrids, which include a 5 kWh battery. These outlets are installed at the following ComEd locations: Chicago North, Chicago South, Maywood, and Lincoln Centre. It takes approximately 3.5 hours to charge the vehicle's battery if fully depleted.
- (e) No distribution system upgrades were necessary, as existing equipment at each location had ample capacity to serve the additional load.
- (f) N/A
- (g) N/A
- (h) The proposed ComEd EV Pilot program compliments other pilots being conducted by ComEd through the deployment of additional EV platforms that are not part of other pilot programs, such as production-ready plug-in cars and plug-in cargo/service vehicles. Implementation of this EV Pilot Program will enable a more robust analysis of the life-cycle costs and benefits of EVs across multiple vehicle types and platforms, which will provide valuable information to residential customers and commercial fleets considering adoption of EVs. In addition, ComEd is currently developing an initial assessment of the impacts of the introduction of plug-in electric vehicles on its system, in accordance with a request from the Illinois Commerce Commission as part of its Initiative on Plug-in Electric Vehicles co-chaired by Acting Chairman Flores and Commissioner O'Connell-Diaz. This assessment is due to the Illinois Commerce Commission in mid-December.