

1 Analysis presented in the in the testimony and accompanying exhibits of Messrs.
2 Francoeur, Diggins, Goulding, and Pentz. Based on information provided in
3 response to the Preliminary EPC RFP, the Company has assumed the Project will
4 generate approximately 12 percent of its nameplate capacity (600 kW) during the
5 monthly historical ISO-NE peak hour, reducing UES peak load by that amount.

6 **Q. Will the project provide any advanced functionality such as voltage regulation**
7 **or power factor management?**

8 A. The proposed facility will have the ability to provide advanced functionality such as
9 voltage control and power factor management that the Company may elect to
10 implement at a future time.

11 **Q. What are the expected environmental benefits associated with the Kingston**
12 **Solar Project?**

13 A. CO₂ emissions make up the vast majority of New Hampshire's greenhouse gas
14 emissions, most of which are generated by burning fossil fuels (e.g., oil, coal, gas)
15 to produce heat and electricity, and to power vehicles.¹²

16 As noted above, UES estimates that the Kingston Solar Project annual generation
17 will average 8,904 MWh and is expected to offset approximately 57,300 tons of CO₂
18 over the life of the project (*See* Exhibits GPP-1 and GPP-2). In addition to CO₂
19 reduction benefits,

¹² New Hampshire Department of Environmental Services, *Greenhouse Gas Emissions Inventory*,
<https://www.des.nh.gov/climate-and-sustainability/climate-change/greenhouse-gas> (last visited Sept. 9, 2022).