Supporting Information for

Facile Electron Transfer to CO₂ throughout Adsorption at the Metal | Solution Interface

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Figure S1: Calculated Bader charges on CO$_2$ for structures from Figures 1 and 3 in the main text.

Figure S2: Electric field effect on CO$_2$ adsorption energy. The induced dipole moment is -0.49 eÅ.
Table S1. Tabulated Figure 1 Data. $E_{\text{ref}}$ represents the reference energy of the system when CO$_2$ is very far from the surface. We represent this by adding the energy of gas phase CO$_2$ to the energy of an optimized clean slab and solvent layer, where: $E_{\text{clean}} = -141.41459015$ eV $E_{\text{CO2(g)}} = -22.26223813$ eV. All structures and energies for Figures 1-4 are available for download at https://www.catalysis-hub.org/publications/GauthierFacile2019.

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Table S2. Tabulated Data of Figure 3 analogous to Table S1. All structures and energies for Figures 1-4 are available at https://www.catalysis-hub.org/publications/GauthierFacile2019.1

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