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Residential rebate and incentive programs should emphasize bidirectional chargers

If you have the right existing solar infrastructure, the cost of installing a 10 kW battery is about the same as the cost of installing a bidirectional EV charger. With the 10 kW battery, a resident might be able to contribute 4 to 5 kW to assisting with grid load levels. However, the resident with a bidirectional EV charger would potentially be able to contribute 10 times as much power to help stabilize the grid. This is obviously because EVs can have 80 to 100 kW batteries. Our rebate programs and incentive programs should recognize this, and direct more money toward the bidirectional chargers, since they have a 10 for one payback in terms of power that can be supplied to the grid.