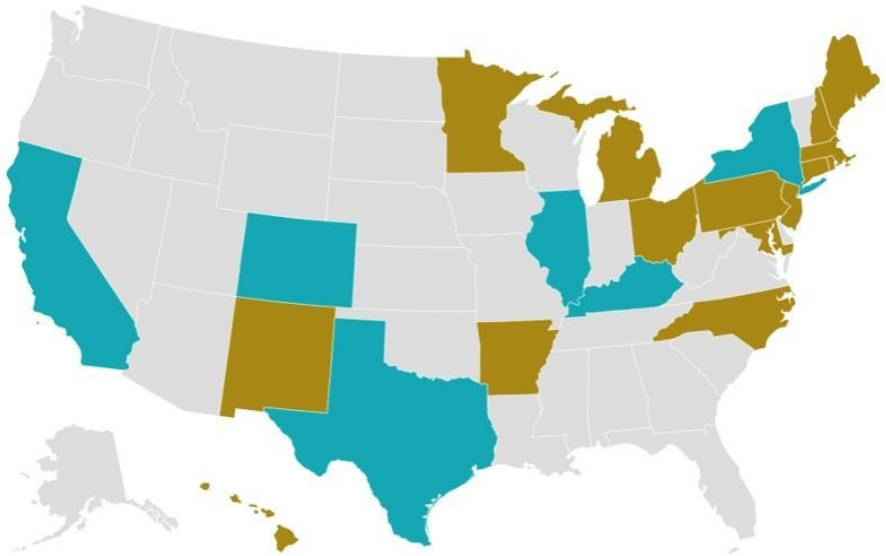
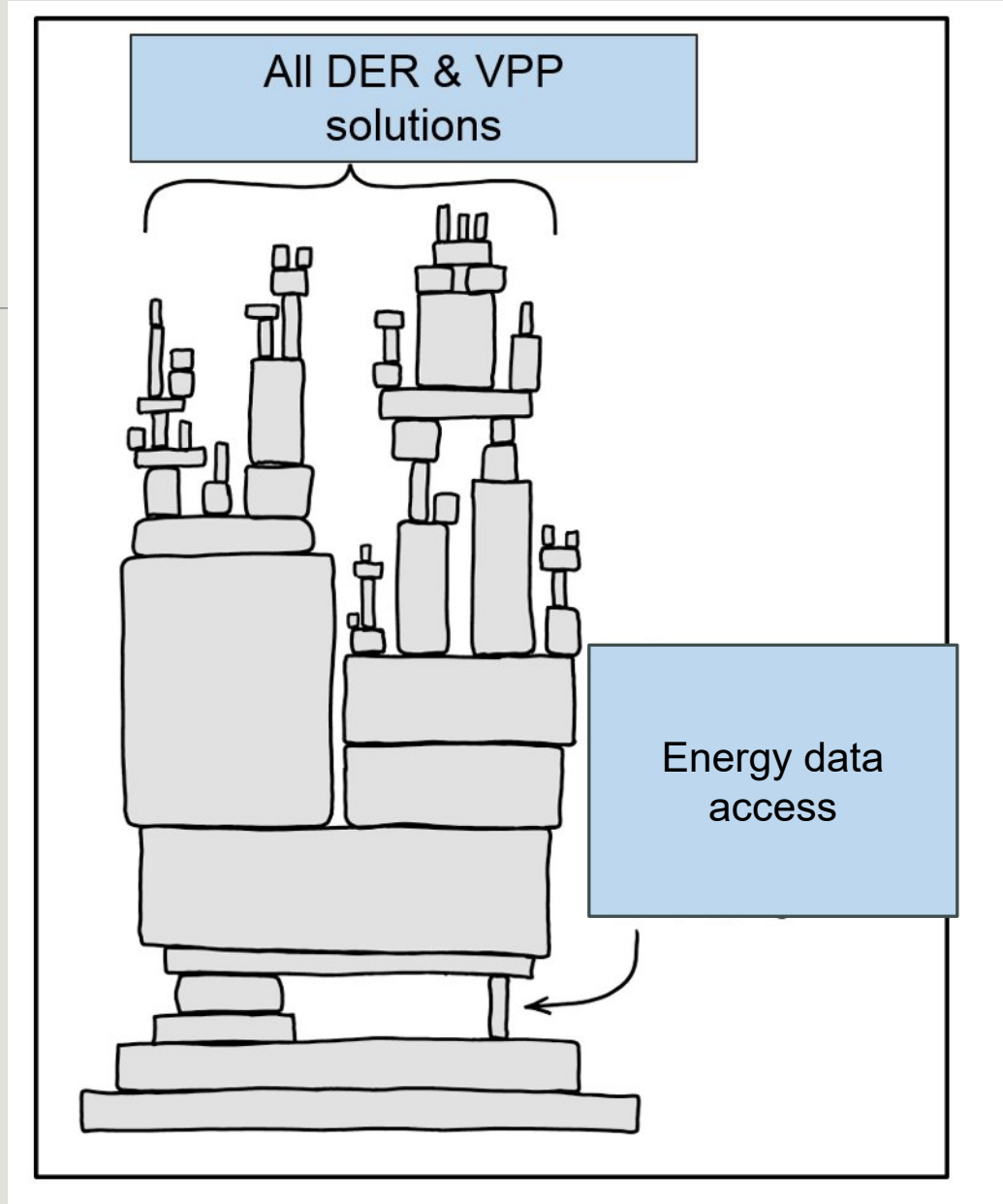
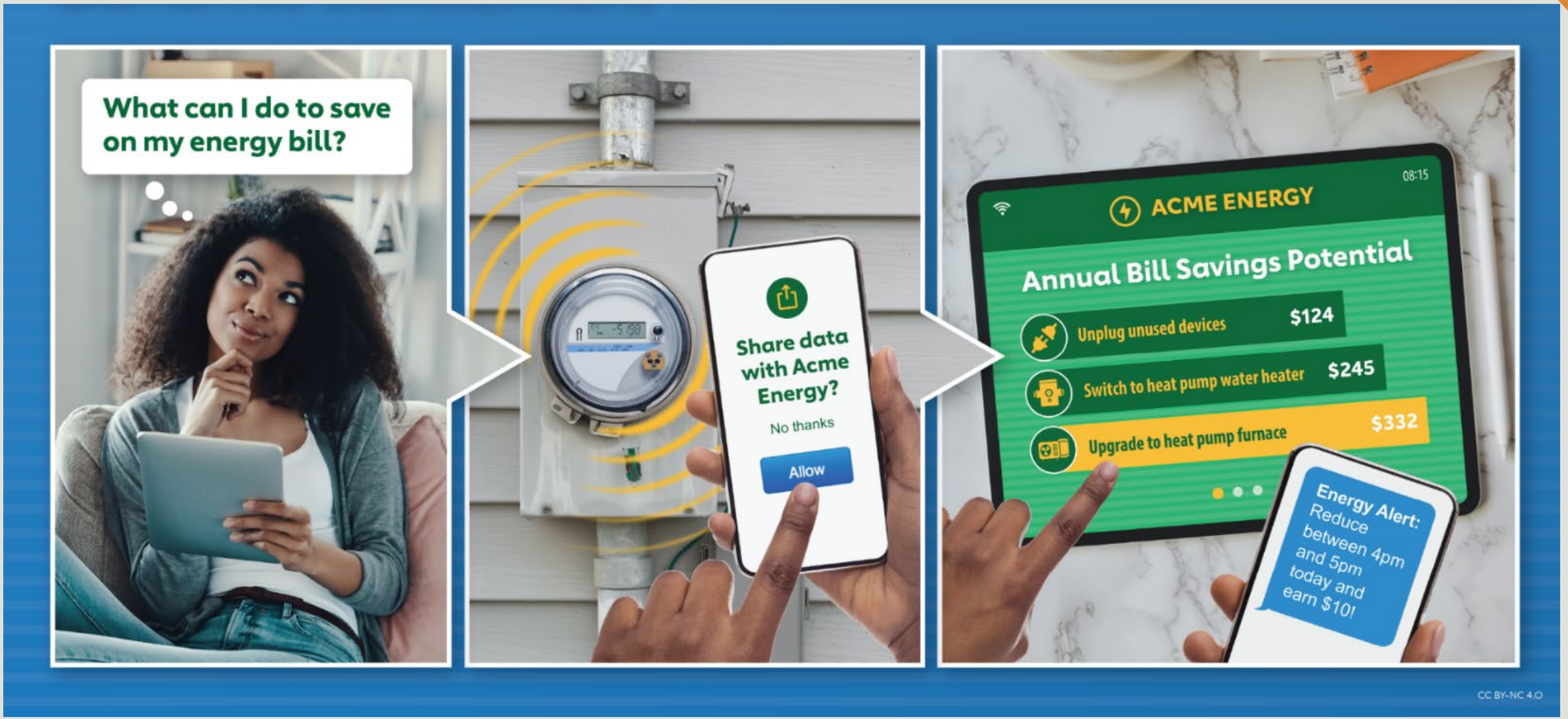
MISSION DATA



Data portability policy in place

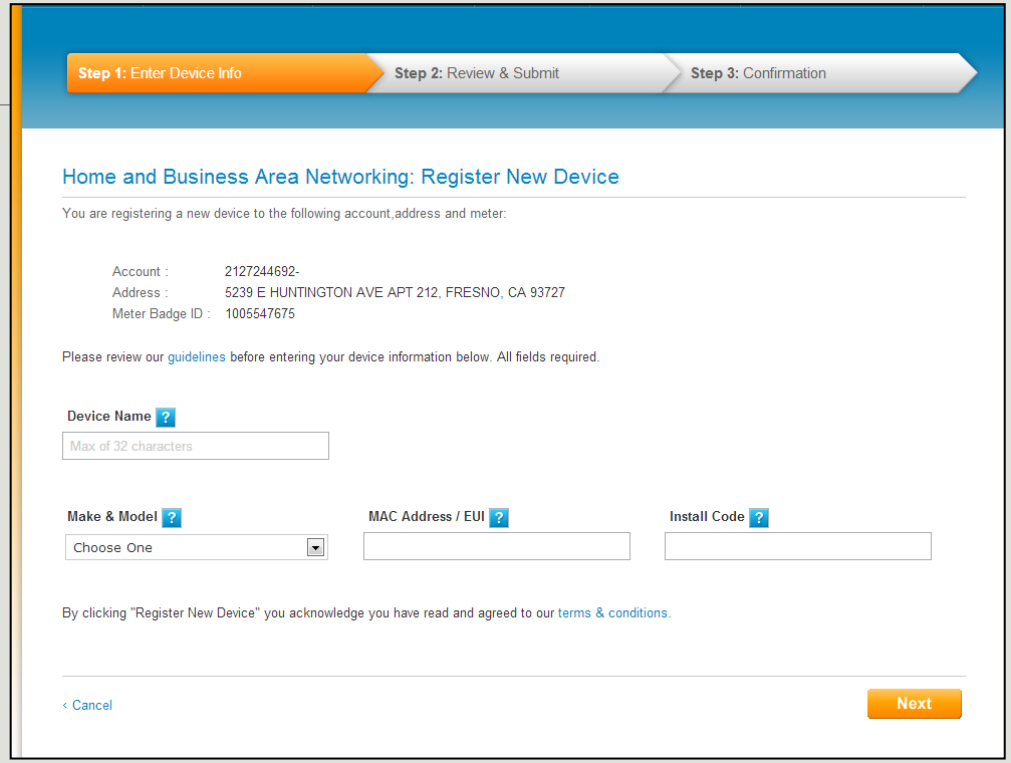
Under consideration




What can I do to save on my energy bill?
Share data with Acme Energy?
No thanks
Allow
ACME ENERGY
08:15
Annual Bill Savings Potential
Unplug unused devices
$124
Switch to heat pump water heater
$245
Upgrade to heat pump furnace
$332
Energy Alert: Reduce between 4pm and 5pm today and earn $10!
CC BY-NC 4.0

Home Area Network: We've been here before

- Part of AMI since 2010 in CA, OH, PA, TX, etc.
- Real-time usage data (kW, kWh) is broadcast every 5-6 seconds to local devices
- Numerous load-shifting programs benefit from real-time usage data (resi or C&I)
- AMI v1.0 uses Zigbee Smart Energy Profile (2.4GHz)



IOU self-service websites (PG&E shown here) have supported HAN since ~2013

Wi-Fi #1: Open or closed?

Question: Should DPU permit EDCs to pick and choose only certain devices that may connect to customer meters, or should DPU require an open, non-discriminatory Wi-Fi policy so that a customer can connect any Wi-Fi device of their choosing?

Our position: DPU should support “bring your own device” (BYOD).

Wi-Fi #2: Fees or testing requirements?

Question: What fees, technical requirements or testing will be required of devices and device manufacturers? Will device manufacturers or customers need to agree to certain terms and conditions, and if so, are those terms reviewed by DPU?

Our position: No fees. DPU approval of any written terms. EDCs should provide reasonable technical assistance, such as documentation and sample software.

Wi-Fi #3: Default offerings?

Question: If EDCs offer their own Wi-Fi-based software or applications, are there negative impacts on the competitive market from this "default" offering that DPU should address?

Our position: EDCs should be prohibited from offering Wi-Fi products absent a finding from the DPU that each specific application (i) is highly unlikely to be provided by the competitive market and (ii) will not adversely affect competitive firms in the near future.

Wi-Fi #4: Affiliate relationships?

Question: Do unregulated affiliates with Wi-Fi offerings stand to unfairly gain in terms of customer access, competitiveness or pricing? What safeguards should be in place to protect a level playing field?

Our position: DPU should require EDCs to seek permission prior to deploying Wi-Fi-enabled applications (either theirs or affiliates'). Such permission should require a close examination of EDCs', and EDCs' vendors', affiliate relationships with Wi-Fi-enabled services that could conceivably create an unlevel playing field or restrict customer choice.