
From: Aaron Burdick <aaron.burdick@ethree.com>
Sent: Thursday, June 2, 2022 4:43 PM
To: James,Eve A L (BPA) - PG-5; Koehler,Birgit G (BPA) - PG-5
Cc: Arne Olson
Subject: [EXTERNAL] RE: BPA-E3

DELIBERATIVE FOIA EXEMPT

I also wanted to provide an update that we're getting tight on our budget after all the iteration on the public deck. We have about \$15k left for drafting the word report, assuming no other tasks on the public materials, which is a bit tight vs. the \$25k we originally had planned.

From: Aaron Burdick
Sent: Thursday, June 2, 2022 4:35 PM
To: James,Eve A L (BPA) - PG-5 <ejames@bpa.gov>; Koehler,Birgit G (BPA) - PG-5 <bškoehler@bpa.gov>
Cc: Arne Olson <arne@ethree.com>
Subject: RE: BPA-E3

DELIBERATIVE FOIA EXEMPT

Ok, here is the updated deck in PPT form.

All the best,
Aaron

From: Aaron Burdick
Sent: Thursday, June 2, 2022 4:27 PM
To: Arne Olson <arne@ethree.com>; James,Eve A L (BPA) - PG-5 <ejames@bpa.gov>; Koehler,Birgit G (BPA) - PG-5 <bškoehler@bpa.gov>
Subject: RE: BPA-E3

DELIBERATIVE FOIA EXEMPT

I want to make sure we don't cross our wires on these cost metrics.

We are reporting:

- **Avg retail rate impact:** total RESOLVE RRQ increase divided by 2022 BPA Tier I load,
 - e.g. Case S2a: \$860M in 2045 divided by 58,686 GWh/yr = 1.5 cents/kWh
- **Household cost impact:** retail rate impact * 1,000 kWh/mo * 12 mo/yr * 128% (electrification annual energy increase)
 - e.g. Case S2a: 1.5 cent/kWh * 1,280 kWh/mo * 12 mo/yr = \$230/yr
- **Residential cost impact or total households impacted:**
 - This requires us to assume how much of the total RRQ impact is allocated to residential customers:
 - E.g. \$860M * 40% = \$344 million residential
 - \$344 million divided by \$230/yr/household = 1.5 million households
 - OR, if I don't adjust the electrification load increase and effectively stick with the 2022 Tier I rates, I get \$180/yr. \$344m / \$180/yr/household → ~1.91 million households