

EUC Resource Planning Working Group Questions

Batch 5

Submitted November 8, 2023

1. For each program year, 2002 through 2022, please provide the dollar amount of budgeted funds and the subsequent amount of expended funds for the low-income weatherization assistance program (WAP).

- See attached WAP Historical Graph 2002-2022 for expended funds.
- The last five years available for budgeted funds are below. Additional years will require additional time to research.

Fiscal Year	Total Budgeted Funds for WAP	Actual Spend
FY2018	\$2,377,000	\$3,362,884
FY2019	\$2,377,000	\$2,275,978
FY2020	\$2,377,000	\$1,102,113
FY2021	\$2,377,000	\$3,019,646
FY2022	\$2,577,000	\$2,596,253

2. For each program year, 2002 through 2022, please provide the number of residential customers who would be eligible under AE guidelines for WAP assistance and the number and percentage of households that were actually helped.

- The actual number of homes receiving WAP assistance is illustrated in the attached WAP Historical Graph 2002-2022. We do not have data for the number of homes eligible or any other derivative data.

3. For each program year, 2002 through 2022, please provide data showing the number of units of multifamily rental units, the number of units that you estimate to be CAP program eligible, and the number of units by corresponding year that were provided energy efficiency services.

- While we do not have the total number of multifamily rental units in the market at any given time, you can see the historical participation in our two multifamily focused energy efficiency/weatherization programs (Multifamily Energy Efficiency and Multifamily Income Qualified weatherization) in the attached Historical Participation Table 2007-2022. Unfortunately, we do not have readily accessible data for 2002-2006.

We do not have the historical data on how many residents residing in multifamily housing may have been CAP eligible, but approximately 60% of CAP customers reside in Multifamily housing.

4. For each program year, 2002 through 2023, please provide data showing the number and percentage of households who received rebates or other energy efficiency services. Include your estimates regarding the number of households that received no assistance.
 - Please see the attached Historical Participation Table 2007-2022 for the number of households who received rebates or other energy services. We do not have readily accessible data for 2002-2006.
 - We do not have data or estimates on households not receiving assistance.

5. For each program year, 2002 through 2023, please provide data showing the number of households that received rebates or assistance for the installation of solar panels. Include the average costs for each year of the amount spent by AE for each household.
 - 2004 was the first year for solar rebates through Austin Energy.

Year	Average Residential Rebate	Homes Served
2004	\$ 13,805	47
2005	\$ 13,678	135
2006	\$ 12,456	140
2007	\$ 12,817	161
2008	\$ 12,775	231
2009	\$ 17,710	294
2010	\$ 13,067	163
2011	\$ 14,910	298
2012	\$ 12,099	573
2013	\$ 10,526	694
2014	\$ 8,306	834
2015	\$ 6,706	917
2016	\$ 4,914	697
2017	\$ 4,207	909
2018	\$ 3,217	991
2019	\$ 3,447	936
2020	\$ 2,968	1181
2021	\$ 2,500	955
2022	\$ 2,500	922
2023	\$ 2,500	677
Ave/Total	\$ 6,122	11755

6. Please provide contracts and subsequent reporting data from consultants/ implementers that assisted Austin Energy in the design and outreach for the WAP program.
 - The contracts serving our Weatherization program are primarily with energy efficiency installers. We do not use an outside implementer for this program, so all program design, reporting and outreach is done by the in-house team.

The records custodian for the contracts is the Financial Services Department. We can't provide a copy of the contract because it is not our document. When vendors

submit proposals, they do have the opportunity to mark items confidential, therefore, there might be items in the contract that aren't releasable. Requests like this are normally submitted as a public information request through this link: [CITY OF AUSTIN PUBLIC RECORDS CENTER \(govqa.us\)](http://CITY OF AUSTIN PUBLIC RECORDS CENTER (govqa.us))

However, as previously stated, there are several documents available on-line to the public related to the contract:

- Austin Finance Online Contract Info
https://financeonline.austintexas.gov/afo/contract_catalog/OCCViewMA.cfm?cd=MA&dd=1100&id=NA210000206
- Council Approval & Recommendation for Action:
<https://services.austintexas.gov/edims/document.cfm?id=374778>
- Weatherization Solicitation Documents
https://financeonline.austintexas.gov/afo/account_services/solicitation/solicitation_details.cfm?sid=135333

7. If the WAP program has been updated since 2002, please provide the number and percentage of units that were reevaluated under your 10 year eligibility rule. Differently stated, what number and percentage of homes received EE benefits two or more times from WAP program participation.

- Information about the number of homes that have gone through the WAP program more than once is not readily available.

WAP has not changed the 10-year eligibility rule. Customers are not allowed to participate in WAP more than once within a 10-year period.

Our third-party rebate platform provides a "double-dipping" feature that staff use to check whether an individual customer has participated in a previous program and, if so, the year of the participation. The platform does not provide a report of homes that have participated more than once in a program that could be used to aggregate numbers. For Austin Energy's Energy Efficiency Services (EES) programs that have double-dipping rules, staff are required to check previous participation through the double-dipping feature for every project receiving an EES rebate or incentive.

8. If known, please provide data showing the number of current CAP customers who reside in homes benefited by WAP energy efficiency services.

Fiscal Year	# of CAP Single-Family Homes Weatherized
FY2019	264
FY2020	149

FY2021	178
FY2022	157

- See the attached WAP Historical Graph 2002-2022 for total Weatherization single-family projects (including, but not exclusively CAP).

We do not have data to show whether historically weatherized homes are occupied by CAP customers, nor do we have data that tracks CAP customers between residences once they move out of the home in which they originally applied for weatherization services.

9. Please provide for the last 10 program years data showing the number and percentage of walk-aways for the WAP program. Walk-aways are homes that are evaluated, but for which WAP services but services were not provided due to cost or the necessity of home repairs such as roof replacement prior to the installment of insulation.

- Austin Energy can provide drop-out rates for FY2020-22. This drop-out rate includes homes that were evaluated and not evaluated. The drop-out rate includes customers that we were unable to contact, homes found not needing efficiency upgrades, major repairs needed (such as roof issues, major holes in walls, structural issues), rodent and other vermin infestations, and customers declining service.

Fiscal Year	Drop Out Rate (customers dropping out divided by total customers completed and/or applied)
FY20	40%
FY21	24%
FY22	37%

10. Has AE examined the Hard-to-Reach program offered in competitive service areas of Texas wherein replacement of old inefficient HVAC units are eligible replacement. If so, please provide that analysis and data why a similar program has not been implemented.

- We have not commissioned a formal study on hard-to-reach programs, but we do consistently evaluate the efficacy of our programs for their ability to serve hard-to-reach customers and make adjustments to our programs/portfolio based off of that analysis. We also regularly engage contractors that have exposure to programs statewide when we perform program review and development. We currently provide an AC Rebate and Loan program for WAP customers at 0% interest with a

rebate. We also provide free AC replacement or repairs for customers on the Medically Vulnerable Registry that income qualify or are CAP customers.

11. Please provide data or documents that show how AE has targeted known current CAP customers with individualized outreach for the WAP program.

- We work with Solix who is a New Jersey-based enrollment provider. They provide automatic enrollment services for the CAP Program. Through this provider we have reached out to 19,584 accounts and made 99,490 attempted calls since January of 2021.

12. Please provide information on the number of rebates and incentives provided to builders of new residential homes for each program year 2002 through 2022.

- Austin Energy does not provide rebates or incentives to builders of new residential homes. However, our Green Building program provides design tools and ratings to encourage high efficiency new home builds. Please see Historical Participation Table 2007-2022 for the numbers of homes participating in Green Building.

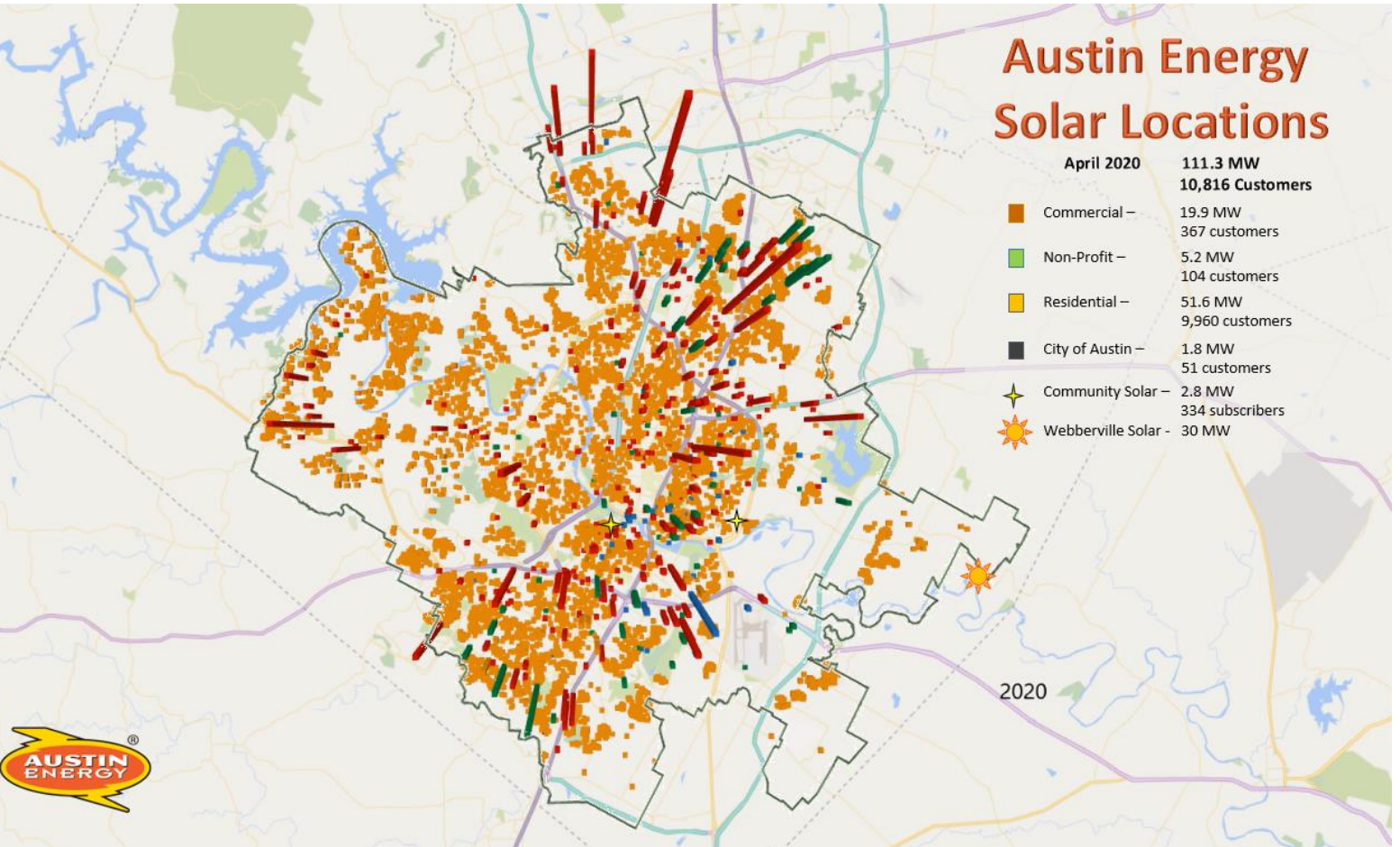
13. Please provide a copy of the operational manual for weatherization assistance program.

- See the attached WAP Contractor Handbook.

14. Please provide any information about possible uses of hydrogen that AE is considering. Information should include, but not be limited to:

- Cost
- Commercial readiness (when AE expects it could be deployed at scale)
- Resulting climate impact
- Resulting air pollution emissions
- Water usage Safety issues
- The sum of these questions will require a good deal of work. We will speak to all of these questions/topics during the January EUC meeting.

15. Please provide a map of customer-sited solar installations, preferably with some indication of system capacity indicated (perhaps ranges, i.e. 3-5 kW, 5-10kW, etc.)



16. “Which city buildings have rooftop solar, how many have been assessed for solar compatibility and how many haven’t been assessed?” (This question added by Kaiba White on 11/11/23)

- Existing Muni Solar:

kW AC	Dept	NAME
6.468	AWU	51st Street Water Tower / Fire Vehicle Maintenance Shop
60.7376	ABIA	ABIA G TSA
397.32		AE System Control
3.8808	PARD	African American Cultural Center and Resource Facility
13.86	Animal Ser	Animal Shelter
19.25	APD	APD North Substation
2.772	RND	ARCH Shelter
77	ABIA	Austin Bergstrom International Airport
7.7	CCD	Austin City Hall
27.72	CCD	Austin Convention Center #1
27.72	CCD	Austin Convention Center #2
9.4325	AFD	Avery Ranch Fire Station
50.4504	APL	Carver Library
31.0464	PARD	Carver Museum
4.0656	APL	Cepeda Library
3.08	PARD	Conley-Guerrero Senior Center
230.6304	AE	Decker PV300
3.08	PARD	Dittmar Recreation Center
1.54	PARD	DittmarSolar Tree
3.08	PARD	Dottie Jordan Recreation Center
3.08	PARD	Dove Springs Recreation Center
2.31	RND	ECHO Village Senior Housing A-F
4.004	EMS	EMS #33
4.62	HHS	Far North Health Center (St. Johns Center)
4.62	EMS	Far South Health Center
2.31	AFD	Fire Station # 27
46.5696	PARD	Givens Rec Center
104.72	AWU	Glen Bell Service Center
37.9456	PARD	Gus Garcia
8.316	APL	Howson Branch Library
3.08	PARD	Lorraine "Grandma" Camacho Activity Center
3.08	PARD	Metz Recreation Center
3.08	APL	Millwood Branch Library
3.08	PARD	Montopolis Recreation Center
28.4592	PARD	Morris Williams Golf Course
0.77	RND	New Austin Youth Hostel
7.392	HHS	North Building H (HHS)
3.08	APL	North Village Branch Library
26.4264	PARD	North West Rec Center
27.72	CCD	Palmer Events Center Parking Lot
184.8	CCD	Palmer Events Center South West Roof
36.96	APD	Public Safety Training Facility
3.08	PARD	Rosewood Recreation Center
3.696	APL	Ruiz Library
13.09	AE	Sand Hill Power Plant
16.17	APD	Service Center # 5
18.48	FLEET	Service Center # 6
8.1312	PARD	South Austin Rec Center
3.08	PARD	Southeast Austin Community Branch Library
4.0656	APL	Spicewood Library
8.1312	AE	St. Elmo
67.76	SWS	SWS-Gardner Service Center @ Todd Ln
24.64	ABIA	Taxi Staging Area Solar Shade
10.01	AE	Town Lake Center
15.092	PARD	Tumer Roberts Recreation Center
19.25	APL	Twin Oaks Branch Library
5.39	RND	Wild Basin Wildemess
3.08	APL	Windsor Park Branch Library
10.6106	AE/NP	Yellowbike Project

- Assessed for Muni Solar

Potential kW	FACILITY SITE NAME
560 kW	ST ELMO SERVICE CENTER
50 kW	APD POLICE ACADEMY
75 kW	APD NORTH SUB STATION
35 kW	APD SW AREA COMMAND
300 kW	STREET AND BRIDGE - EAST 1
350 kW	STREET AND BRIDGE - NORTH
110 kW	SERVICE CENTER #6
350 kW	LEARNING AND RESEARCH CENTER
3kW	SE AUSTIN COMMUNITY BRANCH
15kW	DANIEL E. RUIZ BRANCH LIBRARY
50 kW	CENTRAL MAINTENANCE COMPLEX
250 kW	A. B. CANTU \ PAN-AM REC.
60 kW	GIVENS REC CNTR.\PARK
18 kW	LAMAR SENIOR CENTER
65 kW	NORTHWEST RECREATION
3kW	ROSEWOOD ZARAGOSA REC/PARK
7kW	SOUTH AUSTIN RECREATION
150 kW	WIRELESS COM SVS OFFICE
95 kW	SOUTH AUSTIN TRANSFER STATION
90 kW	SOUTH SERVICE CENTER
50 kW	WEBBERVILLE SERVICE CENTER
70kW	NORTH SERVICE CENTER
100kW	GLEN BELL SERVICE CENTER
350 kW	EAST SERVICE CENTER 1
80 kW	SOUTH SER CNTR/PUMP STA
100 kW	DAVIS WTP FACILITIES/PUMPING
240 kW	ULRICH WTP
1150 kW	HORNSBY BEND TREATMENT PLANT
300 kW	SAR WASTEWATER PLANT