

## AGENDA

### ORANGE COUNTY POWER AUTHORITY MEETING OF THE BOARD OF DIRECTORS

**Tuesday, July 12, 2022  
10:00 a.m.**

This meeting will proceed as a teleconference meeting in compliance with waivers to certain provisions of the Ralph M. Brown Act provided for under California Government Code section 54953(e)(1)(A) in relation to the Covid-19 state of emergency and recommended social distancing measures. There will be no location for in-person attendance. The Orange County Power Authority is providing alternatives to in-person attendance for viewing and participating in the meeting. Further details are below.

**Note:** Any member of the public may provide comments to the Orange County Power Authority Board of Directors, on any open session agenda items by requesting to speak during Item 4, or on any matter not appearing on the agenda but within the jurisdiction of the Board by requesting to speak during Item 5. When providing comments to the Board, it is requested that you provide your name and city of residence for the record. Commenters are requested to address their comments to the Board as a whole through the Chair. Comments may be provided in the following manner:

To provide comments during the meeting, join the Zoom meeting by computer, mobile phone, or dial-in number. Before or during Items 4 and 5 (for providing comments on open session agenda items, and non-agenda items, respectively), the Chair or Clerk will ask members of the public to join the queue to provide public comment. The queue will remain open for a reasonable amount of time to allow members of the public sufficient time to request to speak and inform the Board of the number of speakers. After such time, the queue will be closed and the members of the public who have joined the queue to speak will be recognized at the appropriate time may speak through Zoom video conference or telephonically. To join the queue on Zoom video conference by computer or mobile phone, use the "Raise Hand" feature. If joining the meeting using the Zoom dial-in number, you can raise your hand and join the queue by pressing \*9. Members of the public will not be shown on video but will be able to speak when called upon.

Comments shall generally be limited to three minutes when speaking, provided that the Chair may equally reduce each speaker's time to accommodate a large number of speakers or a large number of agenda items. If you have anything that you wish to be distributed to the Board, please provide it via [comments@ocpower.org](mailto:comments@ocpower.org), who will distribute the information to the Members.

The public may participate using the following remote options:

#### ZOOM WEBINAR

Please click the link below to join the webinar:

[Launch Meeting - Zoom](#)

Dial-in: 1-669-900-6833

Webinar ID: 842 0493 6678

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **ROLL CALL**

4. **PUBLIC COMMENTS ON AGENDA ITEMS**

*Opportunity for members of the public to address the Board on any items on the agenda.*

5. **PUBLIC COMMENTS ON NON-AGENDA ITEMS**

*Opportunity for members of the public to address the Board on any items not on the agenda but within the jurisdiction of the Board.*

6. **DIRECTOR ANNOUNCEMENTS**

*Board Members may briefly provide information to other members of the Board and the public, ask questions of staff, or report on conferences, events, or activities related to Authority business. There is to be no discussion or action taken on comments made by Board Members unless authorized by law.*

7. **STAFF REPORT**

*Staff may briefly provide information to the Board and the public. The Board may engage in discussion if the specific subject matter of the report is identified, but the Board may not take any action. There is to be no other discussion or action taken unless authorized by law.*

8. **CONSENT CALENDAR**

*All items listed under the Consent Calendar are considered to be routine and may be enacted by one motion. Prior to the motion to consider any action by the Board of Directors, any public comments on any of the Consent Items will be heard. There will be no separate action unless members of the Board of Directors request specific items be removed from the Consent Calendar.*

1. **FINDINGS NECESSARY FOR REMOTE PARTICIPATION IN PUBLIC MEETINGS**

**Recommended Action:**

Declare that the findings made in Resolution No. 2022-02, "Resolution of the Orange County Board of Directors Making Findings Necessary for Remote Participation in Public Meetings" remain valid and applicable, so as to allow remote participation in public meetings for the next 30 days.

2. **MINUTES FOR THE REGULAR BOARD MEETING OF JUNE 29, 2022**

**Recommended Action:**

Approve as submitted

### **3. CREATION OF LEGAL AD HOC COMMITTEE**

#### **Recommended Action:**

Establish a temporary ad hoc committee related to OCPA's legal needs

### **9. REGULAR CALENDAR**

*The following items call for discussion or action by the Board of Directors. The Board may discuss and/or take action on any item listed below if the Board is so inclined.*

#### **1. COMMUNITY ADVISORY COMMITTEE UPDATE**

#### **Recommended Action:**

Receive and File

#### **2. APPROVE ELECT TO ADMINISTER ENERGY EFFICIENCY PROGRAM PLAN**

#### **Recommended Action:**

Approve Elect to Administer Energy Efficiency Program Plan

### **10. ADJOURNMENT**

#### ***Compliance with the Americans with Disabilities Act***

Board of Directors meetings comply with the protections and prohibitions of the Americans with Disabilities Act. Individuals with a disability who require a modification or accommodation, including auxiliary aids or services, in order to participate in the public meeting may contact 949-263-2612. Requests for disability-related modifications or accommodations require different lead times and should be provided at least 72-hours in advance of the public meeting.

#### ***Availability of Board Documents***

Copies of the agenda and agenda packet are available at [www.ocpower.org](http://www.ocpower.org). Late-arriving documents related to a Board meeting item which are distributed to a majority of the Board prior to or during the Board meeting are available for public review as required by law. Late-arriving documents received during the meeting are available for review by making a verbal request to the Board Secretary in the Zoom meeting room.

**ORANGE COUNTY POWER AUTHORITY**  
**Staff Report – Item 8.1**

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To: Orange County Power Authority Board of Directors

From: Ryan Baron, General Counsel

Subject: Findings Necessary For Remote Participation in Public Meetings

Date: July 12, 2022

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**RECOMMENDED ACTION**

Declare that the findings made in Resolution No. 2022-02, “Resolution of the Orange County Board of Directors Making Findings Necessary for Remote Participation in Public Meetings” remain valid and applicable, so as to allow remote participation in public meetings for the next 30 days.

**BACKGROUND**

AB 361 allows public agencies to hold fully or partially virtual meetings under certain circumstances, without being required to follow certain standard Ralph M. Brown Act teleconferencing requirements.

Under AB 361, a legislative body holding virtual meetings pursuant to AB 361 must make certain findings at least every thirty (30) days. Specifically, the legislative body must find that it has reconsidered the circumstances of the state of emergency and either of the following: (1) state or local officials continue to impose or recommend measures to promote social distancing, or (2) as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

Based on current COVID-19-related circumstances, the Board can continue to make the required findings. Staff therefore recommends that the Board of Directors declare that the findings made in Resolution 2022-02 remain valid and applicable, so as to allow the Board of Directors and its subordinate legislative bodies to continue to exercise remote participation options under AB 361.

**FISCAL IMPACT**

There is no fiscal impact.

**ATTACHMENT**

Resolution No. 2022-02 a Resolution of the Orange County Board of Directors Making Findings Necessary for Remote Participation in Public Meetings.

## RESOLUTION NO. 2022-02

### A RESOLUTION OF THE BOARD OF DIRECTORS OF THE ORANGE COUNTY POWER AUTHORITY MAKING FINDINGS NECESSARY FOR REMOTE PARTICIPATION IN PUBLIC MEETINGS

A. The Ralph M. Brown Act (“Brown Act”) requires, with specified exceptions, that all meetings of the governing body and all subordinate legislative bodies be open and public and that all persons be permitted to attend and participate.

B. The Brown Act contains provisions for remote participation in meetings by members of a legislative body subject to the existence of certain conditions and requirements.

C. Government Code section 54953(e) requirements include, but are not limited to, (1) the existence of a state of emergency declared by the California Governor pursuant to Government Code section 8625, and (2) state or local officials have imposed or recommended measures to promote social distancing.

D. On March 4, 2020, the Governor issued a Proclamation of State of Emergency in response to the COVID-19 pandemic and as of the date of this Resolution, the proclaimed state of emergency remains in effect.

E. On March 17, 2020, the Governor issued Executive Order N-29-20, which suspended and modified the remote participation requirements under the Brown Act to allow local legislative bodies to hold public meetings via teleconference.

F. On June 11, 2021, the Governor issued Executive Order N-08-21, which extended the provisions of N-29-20 concerning the conduct of public meetings through September 30, 2021. The Governor subsequently signed Assembly Bill 361 (Rivas, 2021) revising requirements for remote public meetings (“AB 361”).

G. In order to preserve public health and safety, the State Public Health Officer and Orange County Health Officer have issued various orders and guidance, as they may be amended from time to time, regarding COVID-19 prevention measures, which include references and a statement of support for social distancing recommendations. (*See, e.g., Guidance for Use of Face Coverings*, revised January 5, 2022; *COVID-19 Public Health Recommendations for Fully Vaccinated People*, dated October 28, 2021; *County of Orange Health Officer’s Orders and Strong Recommendations*, revised January 14, 2022).

H. In light of the foregoing, the Board of Directors desires to continue to have the flexibility to meet via remote participation for public meetings, as long as the state of emergency and social distancing recommendations continue, and that it and its legislative bodies shall be permitted to conduct their meetings by remote participation in accordance with Government Code section 54953(e), and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed by that section therein.

**NOW, THEREFORE, BE IT RESOLVED** by the Orange County Power Authority Board of Directors as follows:

Section 1. The above recitals are true and correct and incorporated herein.

Section 2. The Orange County Power Authority Board of Directors finds and declares for itself and each of its subordinate legislative bodies, as follows:

- a. A continued state of emergency, as declared by the State of California, continues to exist.
- b. The Board of Directors has reconsidered the circumstances of the state of emergency.
- c. State and local officials continue to impose or recommend measures to promote social distancing.
- d. The Orange County Power Authority promotes social distancing measures, including, without limitation, promoting and utilizing remote attendance options at Board of Directors meetings.

Section 3. The Board of Directors and any of its legislative bodies are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution, including conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act or executive order, as such may be amended or promulgated from time to time.

Section 4. This resolution shall take effect immediately upon its adoption and apply to all Orange County Power Authority public meetings of its legislative bodies including those held during the state of emergency since the passage of and governed by AB 361.

**PASSED AND ADOPTED** at a meeting of the Orange County Power Authority Board of Directors held on February 8, 2022.



Secretary



**MINUTES  
REGULAR MEETING  
BOARD OF DIRECTORS  
ORANGE COUNTY POWER AUTHORITY  
Wednesday, June 29, 2022**

**1. CALL TO ORDER**

Chair Carroll called to order the Regular Meeting of the Orange County Power Authority Board of Directors at 10:05 a.m. on Wednesday, June 29, 2022.

The meeting was conducted using teleconference and electronic means consistent with public health orders and guidelines in California and in accordance with the Governor's Executive Orders. There was no location for in-person attendance. Due to the nature of the teleconference, all votes were cast via roll call. In an effort to protect public health, members of the public were able to provide live comments on agenda items using Zoom.

**2. PLEDGE OF ALLEGIANCE**

Vice Chair Jung led the Pledge of Allegiance.

**3. ROLL CALL**

Present:	Director Don Wagner	Orange County
	Director Susan Sonne	City of Buena Park
	Director Farrah N. Khan	City of Irvine
	Director Dan Kalmick	City of Huntington Beach
	Vice Chair Fred Jung	City of Fullerton
	Chair Mike Carroll	City of Irvine

Absent            None

**4. CLOSED SESSION**

The following spoke on Closed Session items prior to the Board adjourning to Closed Session:

Doug Elliott and Kathleen Treseder

At 10:16 a.m. Chair Carroll adjourned to Closed Session on the following items:

**1. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION**

Significant exposure to litigation pursuant to Section 54956.9(d)(2):  
One (1) potential case

**2. Consideration of a request by Director Sonne:  
PUBLIC EMPLOYEE DISCIPLINE/DISMISSAL/RELEASE**  
Pursuant to Government Code Section 54957(b)(1)

**3. Consideration of a request by Director Sonne:  
PUBLIC EMPLOYEE APPOINTMENT**

Pursuant to Government Code Section 54957(b)(1)  
Title: Acting Chief Executive Officer

4. Consideration of a request by Director Sonne:  
**PUBLIC EMPLOYEE DISCIPLINE/DISMISSAL/RELEASE**  
Pursuant to Government Code Section 54957(b)(1)

5. Consideration of a request by Director Sonne:  
**PUBLIC EMPLOYEE APPOINTMENT**  
Pursuant to Government Code Section 54957(b)(1) Title: Acting General Counsel

At 11:40 a.m. Chair Carroll adjourned closed session and called for a ten-minute recess prior to reconvening the Regular Meeting.

#### **RECONVENE REGULAR MEETING AND ROLL CALL**

At 11:50 a.m. the Regular Meeting of the OCPA Board of Directors reconvened with the following present: Directors: Wagner, Sonne, Khan, and Kalmick. Vice Chair Jung, and Chair Carroll. Absent: None

Ryan Baron, General Counsel, stated there were no reportable actions from the Closed Session.

#### **5. PUBLIC COMMENTS ON AGENDA ITEMS**

Branda Lin began to speak but was redirected to Item 6.

#### **6. PUBLIC COMMENTS ON NON-AGENDA ITEMS**

The following spoke during Item 6

Walter Nobrega  
Branda Lin  
Kathleen Treseder

#### **7. DIRECTOR ANNOUNCEMENTS**

Director Khan and Director Wagner spoke about misleading and incorrect information presented by bloggers and speakers.

Chair Carroll thanked outgoing Director Mike Posey from Huntington Beach for his service to OCPA and championing clean energy. He welcomed Director Dan Kalmick who replaced Director Mike Posey.

#### **8. STAFF REPORT**

Chief Executive Officer Probolsky spoke about a rate comparison chart published in error by SCE and noted the corrected version of the document was now posted by SCE.

The CEO also introduced new staff members Susan Davidson, Data Analyst, and Owen Lee, Controller. Each gave an overview of their qualifications.

#### **9. CONSENT CALENDAR**

Director Kalmick pulled Item 9.4 from the Consent Calendar.



**ACTION**

Vice Chair Jung made a motion, seconded by Director Sonne, and unanimously carried to approve Consent Calendar items 9.1 through 9.3.

**1. FINDINGS NECESSARY FOR REMOTE PARTICIPATION IN PUBLIC MEETINGS**

**Recommended Action:**

Declare that the findings made in Resolution No. 2022-02, "Resolution of the Orange County Board of Directors Making Findings Necessary for Remote Participation in Public Meetings" remain valid and applicable, so as to allow remote participation in public meetings for the next 30 days.

**2. MINUTES FOR THE REGULAR BOARD MEETING OF MAY 3, 2022**

**Recommended Action:**

Approve as submitted

**3. TREASURER REPORT – FISCAL YEAR ENDED APRIL 30, 2022**

**Recommended Action:**

Receive and File

**4. APPROVE PRINTING AND MAILING SERVICES CONTRACT WITH ORANGE COUNTY PRINTING COMPANY**

Director Kalmick asked for the Board to consider union status in future RFP's.

**ACTION**

Director Kalmick made a motion, seconded by Vice Chair Jung, which carried unanimously to:

- a. Approve Contract with Orange County Printing Company for Printing and Mailing Services, and
- b. Authorize the Chief Executive Officer or delegated staff to negotiate, finalize, and execute contract for Printing and Mailing Services.

**10. REGULAR CALENDAR**

CEO Probolsky reported on OCPA efforts to reduce greenhouse gas which is the equivalent of taking 200,000 cars off the roads and gave an overview of outreach efforts. The CEO asked the CFO to make the budget presentation.

**1. APPROVE FISCAL YEAR 2022-2023 BUDGET**

Tiffany Law, Chief Financial Officer, gave a detailed and thorough presentation on the FY 2022-23 Budget.

In answer to questions from directors, CFO Law explained the development of revenue projection scenarios.

Brian Dickman, a partner with New Gen Strategies and Solutions, stated he had helped staff put together the financial performance part of the budget. He answered questions about the variability of the components that go into revenue sufficiency calculations and

meet debt covenants.

The CEO and CFO answered questions about staffing projections, salary benchmarks, the qualifications of current staff, and cost comparisons of using staff in lieu of consultants.

John Dalessi of Pacific Energy Advisors presented the five-year financial outlook and spoke of reserve projections and requirements.

**ACTION**

Director Kalmick made a motion, seconded by Vice Chair Jung, and unanimously carried to approve the Fiscal Year 2022-2023 Budget.

**2. APPROVE AGREEMENT FOR PURCHASE OF RESOURCE ADEQUACY CAPACITY FROM MARSH LANDING, LLC**

**3. APPROVE AGREEMENT FOR PURCHASE OF RESOURCE ADEQUACY CAPACITY FROM SUNRISE POWER COMPANY, LLC**

CEO Probolsky presented and explained Items 9.2 and 9.3 on the Regular Agenda which were combined due to similarity and introduced Kirby Dusel of Pacific Energy Advisors,

Mr. Dusel explained why part of the proposed contracts were redacted for confidentiality, explained the necessity for contracts for resource adequacy capacity and how costs are affected by supply fluctuations.

**ACTION**

Director Kalmick made a motion, seconded by Chair Carroll, and unanimously carried to: authorize OCPA's Chief Executive Officer ("CEO") to enter into a resource adequacy capacity purchase agreement with Marsh Landing, LLC ("Marsh Landing"),

**ACTION**

Director Kalmick made a motion, seconded by Chair Carroll, and unanimously carried, to authorize OCPA's Chief Executive Officer ("CEO") to enter into a resource adequacy capacity purchase agreement with Sunrise Power Company, LLC ("Sunrise Power")

**11. ADJOURNMENT**

At 1:44 p.m., Chair Carroll adjourned the Regular Meeting of the Orange County Power Authority. The next meeting will be held Tuesday, July 12, 2022, at 10:00 a.m.

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**Brian S. Probolsky, Secretary**

**ORANGE COUNTY POWER AUTHORITY**  
**Staff Report – Item 8.3**

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To: Orange County Power Authority Board of Directors

From: Ryan Baron, General Counsel

Subject: CREATION OF LEGAL AD HOC COMMITTEE

Date: July 12, 2022

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**RECOMMENDED ACTION**

Establish a temporary ad hoc committee related to OCPA's legal needs.

**BACKGROUND**

From time to time, Board Members are needed to engage with Staff on a variety of issues. This ensures that staff is implementing the Board's goals and objectives. An Ad Hoc Committee is defined as a committee gathered to address a particular issue, task, or objective and is dissolved upon completion of the purpose. These are not Brown Act bodies.

It is requested that the Board create a Legal Ad Hoc Committee consisting of Directors Sonne and Wagner. The Legal Committee will work with Staff to advise on legal matters.

**FISCAL IMPACT**

There is no fiscal impact.

**ATTACHMENT**

None.

# ORANGE COUNTY POWER AUTHORITY

## Staff Report – Item 9.2

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To: Orange County Power Authority Board of Directors

From: Steven Halligan, Management Analyst

Subject: Elect to Administer Energy Efficiency Programs

Date: July 12, 2022

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### RECOMMENDED ACTION

Approve Elect to Administer Energy Efficiency Program Plan

### BACKGROUND

Staff and The Energy Coalition (TEC) will provide an update on the Elect to Administer (ETA) Energy Efficiency Program and seek Board approval of the Energy Efficiency Program Plan. On September 14, 2021, the Board approved the development of the application and program plan for ETA funding. If approved by the Board, TEC and OCPA Staff will submit an Advice Letter to the California Public Utilities Commission (CPUC).

### ANALYSIS AND DISCUSSION

California Public Utilities Commission Decision (“D.”) 14-01-033, *Decision Enabling Community Choice Aggregators to Administer Energy Efficiency Programs* (“the Decision”), established the rules for Community Choice Aggregators (“CCAs”) to file advice letters to administer energy efficiency programs for their own customers under California Public Utilities Code Sections 381.1(e)-(f). Orange County Power Authority (OCPA) plans to submit a Tier 3 Advice Letter to seek Commission certification under Sections 381.1 (e) and (f) to administer one energy efficiency program, a Residential Program, as described in further detail below.

The Plan includes a residential program, OC Power Savers. OC Power Savers will provide both home energy reports (HERs) and energy efficient measure rebates to OCPA residential customers. Through the HER and additional marketing and outreach efforts, the program will target disadvantaged communities (DACs) and families whose household income falls within the moderate-income thresholds defined by the CPUC (200-400% of the Federal Poverty Guidelines).

The OC Power Savers program has three primary objectives, which align with OCPA’s Guiding Principles for its energy efficiency programs:

1. Engage with local communities to promote equity and affordability for moderate-income, disadvantaged, and other vulnerable populations of single-family residential customers.

## **ORANGE COUNTY POWER AUTHORITY**

### **Staff Report – Item 9.2**

2. Maximize greenhouse gas (GHG) reduction by providing new, energy-saving appliances and making existing homes more efficient for future electrification and load shifting opportunities.
3. Produce customer and community benefits through bill savings, increased comfort and satisfaction, an emphasis on local economic investment, and foster energy efficiency awareness and leadership in Orange County neighborhoods.

#### ***Deliverables***

The program will provide Home Energy Reports (HERs) and energy-efficient appliance incentives to customers. Though not necessarily an exhaustive list, OCPA proposes to include the following measure types:

- Home Energy Report
- Heat pump water heater
- Heat pump HVAC

The proposed program design is flexible, adaptive, and innovative. OCPA will explore and incorporate new offerings over time that will advance and be consistent with state goals while supporting emerging markets such as electrification and load shifting.

#### ***Cost-Effectiveness Analysis***

The initial program Total Resource Cost is forecasted to achieve 1.02 with a Program Administrator Cost of 1.05. This meets CPUC program cost-effectiveness requirements for first-time CCA applicants.

#### ***Demand Reduction, Energy Savings, and Program Impacts***

The program anticipates reaching over 70,000 households through home energy reports and over 2,000 customers through energy efficiency rebates. OCPA expects that first-year gross energy savings for the program will be 21,190,787 kWh with demand savings of 5,876 kW over three years.

Upon Board Approval of the Energy Efficiency Program Plan, OCPA Staff and TEC will submit an Advice Letter to the CPUC requesting approval funding authorization.

#### **FISCAL IMPACT**

If the application is approved OCPA will receive up to \$2,261,240 in funding to cover the entire Energy Efficiency Program Plan.

#### **ATTACHMENTS**

**Attachment A** – Energy Efficiency Program Plan



Energy Efficiency Program Plan

# **OC POWER SAVERS**

Prepared June 2022

# Introduction

## OCPA History and Customers

In 2017, the City of Huntington Beach began studying the feasibility of community choice energy and started a working group composed of the cities of Lake Forest, Mission Viejo, Newport Beach, Orange, and Irvine. Cities each conducted their own feasibility studies to see the viability of community choice energy. Between 2017 and 2019, each City worked their way through studies and stakeholder engagement and in 2019, the City of Irvine took the lead. The City Council of the City of Irvine voted to seek interested cities to form a Joint Powers Authority to implement a community choice energy program and fund the startup operations. In November 2020, the cities of Fullerton and Irvine formally created the Orange County Power Authority. Buena Park and Huntington Beach joined in December 2020, followed by Orange County in December 2021.

Since that time, OCPA has hired a CEO, CFO, two Business Relationship Managers, a Management Analyst, a Controller, and a Data Analyst. They are currently working to hire additional staff including a Financial and Administrative Analyst, and a Director of Communications and External Affairs, and Power Resources Director.

Starting in 2023, OCPA will serve over 342,000 customer accounts. The five member jurisdictions each have unique demographics and energy challenges, such as extreme heat, high fire threat areas and varying numbers of CARE customers each serves. To further understand the priorities of each member agency, OCPA held a series of community workshops to discuss desired programming. By regionalizing its programming, OCPA will be able to specifically serve their customers' needs.

OCPA is electing to become an administrator of ratepayer funds collected from its electric service customers through a non-bypassable charge authorized by the California Public Utilities Commission (CPUC) for cost-effective energy efficiency and conservation programs. OCPA is submitting this program plan to the CPUC for certification under California Public Utilities Code 381.1 (e) and (f) to administer a residential program.

OCPA has a deep understanding of the community it serves and is therefore fully qualified to provide energy efficiency services to its customers. OCPA puts forth this energy efficiency program plan approved by the OCPA Board of Directors pursuant to Public Utilities Code 381.1:

(e) The impartial process established by the commission shall allow a registered community choice aggregator to elect to become the administrator of funds collected from the aggregator's electric service customers and collected through a non-bypassable charge authorized by the commission, for cost-effective energy efficiency and conservation programs, except those funds collected for broader statewide and regional programs authorized by the commission.

(f) A community choice aggregator electing to become an administrator shall submit a plan, approved by its governing board, to the commission for the administration of cost-effective energy efficiency and conservation programs for the aggregator's electric service customers that includes funding requirements, a program description, a cost-effectiveness analysis, and the duration of the program. The commission shall certify that the plan submitted does all of the following:

1. Is consistent with the goals of the programs established pursuant to this section and Section 399.4.
2. Advances the public interest in maximizing cost-effective electricity savings and related benefits.
3. Accommodates the need for broader statewide or regional programs.
4. Includes audit and reporting requirements consistent with the audit and reporting requirements established by the commission pursuant to this section.
5. Includes evaluation, measurement, and verification protocols established by the community choice aggregator.
6. Includes performance metrics regarding the community choice aggregator's achievement of the objectives listed in paragraphs (1) to (5), inclusive, and in any previous plan.

## Program

### Overview

OC Power Savers will provide home energy reports (HERs) and energy efficiency measure rebates to OCPA residential customers. The HER will be delivered electronically or via mail. It will provide tailored energy and cost-saving insights to OCPA customers with no/low cost behavioral energy efficiency recommendations. The HER will also promote applicable energy efficiency rebates to the customer to drive deeper savings. The energy efficiency measure rebate will help OCPA customers achieve greater energy and cost savings by incentivizing measures such as heat pump water heaters and heat pump HVAC units.

The program will target disadvantaged communities (DACs) and families whose household income falls within the moderate-income thresholds defined by the CPUC (200-400% of the federal poverty guidelines). These disadvantaged and moderate-income communities face barriers to energy efficiency due to income constraints, disproportionate energy cost burdens, and environmental vulnerabilities. These barriers are compounded by the cascading impacts of the COVID-19 pandemic and associated economic crises over the past several years.

OC Power Savers has three primary objectives, which align with OCPA's guiding principles:

1. Engage with local communities to promote equity and affordability for moderate-income, disadvantaged, and other vulnerable populations of single-family residential customers.



2. Maximize greenhouse gas (GHG) reduction by providing new, energy-saving appliances and making existing homes more efficient for future electrification and load shifting opportunities.
3. Produce customer and community benefits through bill savings, increased comfort and satisfaction, an emphasis on local economic investment, and fostering energy efficiency awareness and leadership in Orange County neighborhoods.

To accomplish these objectives, OCPA proposes an innovative program model: appliance-level disaggregation and customized behavioral energy efficiency recommendations, including applicable energy-efficient rebate opportunities. This approach will provide OCPA customers with deep, long-term energy savings. The approach is designed to complement existing Southern California Gas Company (SoCalGas), Southern California Edison (SCE) and San Diego Gas and Electric Company (SDG&E) programs, cross-promoting their programs where relevant while benefiting from OCPA's close community relationships with target customers.

The program will be open to residential customers, with a focus on addressing existing program gaps and equity concerns through targeted outreach. Outreach efforts will center on identifying and serving customers in disadvantaged communities who do not qualify for the California Alternate Rates for Energy (CARE) Program but are below 400% of the federal poverty guidelines.

OCPA will select a third-party implementer (program implementer) to develop and deliver the home energy report, conduct marketing and outreach activities, and review and disburse rebates.

OCPA and its program implementer will work closely with partners in local government and community-based organizations to conduct a multilingual marketing and outreach campaign. OCPA will leverage existing relationships with neighborhood associations, council offices, schools, churches, and other local groups to reach targeted neighborhoods.

The estimated market for this program is over 300,000 households in OCPA territory. The program aims to reach approximately 77,000 households per year, or 24% of the eligible market, during the three-year program term.

The established governance structure for OCPA will ensure oversight and transparency for program decisions and approvals. OCPA, which currently includes Buena Park, Fullerton, Huntington Beach, Irvine and the County of Orange, is governed by a Joint Powers Authority (JPA) overseen by the Board of Directors. The Board of Directors is responsible for overarching program decisions, such as solicitation selections for third-party implementers.

Day-to-day programmatic decisions will be made by OCPA program managers and staff. OCPA will lead the program's development and launch, including the solicitation process to hire a third-party program implementer in accordance with OCPA procurement guidelines. OCPA staff will oversee the program implementer during program design, launch, and operations. OCPA will

also provide oversight and collaboration for outreach activities with community partners and for the program implementer’s work with equipment vendors.

The selected program implementer will contribute to program design and lead efforts to aggregate customer demand and coordinate with appliance vendors to source products and secure discounts. The program implementer will be responsible for program launch, day-to-day operations, and tracking and reporting program data to OCPA.

OCPA has already begun coordinating with SCE, SDG&E, SoCalGas and the Southern California Regional Energy Network (SoCalREN) to ensure OC Power Savers complements their programs and offers distinct value to its target participants. For example, the Home Energy Report will promote any eligible energy efficiency opportunity to residents, whether through OC Power Savers or another program. Where appropriate, OCPA will refer customers to non-OCPA programs to layer additional benefits and ensure the best possible outcomes for its customers.

For Home Energy Reports, energy savings will be calculated through randomized control trials (RCTs) and comparing HER receipt energy savings to non-HER recipients or control group energy savings. For energy-efficient appliances, energy savings will be based on deemed savings workpapers for eligible appliance measures. Estimated savings and budget for the three-year program period are shown in Table 1 and Table 2.

**Table 1. Program Metrics at a Glance**

Year	First-Year Net Electric Savings (kWh)	Percentage of 3-year Goal
1	7,063,596	33%
2	7,063,596	33%
3	7,063,596	33%
<b>Total</b>	<b>21,190,787</b>	<b>100%</b>

**Table 2. Program Budget at a Glance**

	Year 1	Year 2	Year 3	Total	Percent of Total
Administration	\$68,769	\$68,769	\$68,769	<b>\$206,307</b>	<b>9%</b>
Marketing	\$43,955	\$43,955	\$43,955	<b>\$131,866</b>	<b>6%</b>
Direct Implementation	\$397,420	\$397,420	\$397,420	<b>\$1,192,260</b>	<b>53%</b>
Incentive	\$234,557	\$234,557	\$234,557	<b>\$703,672</b>	<b>31%</b>
EM&V	\$9,045	\$9,045	\$9,045	<b>\$27,135</b>	<b>1%</b>
<b>Program Total</b>	<b>\$753,747</b>	<b>\$753,747</b>	<b>\$753,747</b>	<b>\$2,261,240</b>	<b>100%</b>

## Targeted Market Sector

OC Power Savers serves residential customers living in OCPA member agencies. The residential class represents 88% of total eligible accounts, and 30% of total annual energy consumption. The types of customers to be served by the Program and their latest available electricity consumption are shown below in Table 3.

**Table 3. OCPA Residential Customer Count and Annual Usage by Type**

Customer Segment	Customer Count (2023)	Annual Usage (kWh)
Residential	321,500	1,348,750,000

All five member agencies contain census tracts classified as disadvantaged communities by CalEnviroScreen 3.0. Over 48% of Buena Park’s and 28% of Fullerton’s residential accounts are enrolled in CARE. All member agencies also have significant demographic diversity including race, language, and housing tenure. Residential communities served by OCPA face additional climate and energy-related risks such as public safety power shutoffs and high risk wildfire zones.

The tables below summarize the specific metrics to be used as targets against which to measure program performance.

**Table 4. Program Distribution/Installation Metrics**

Measure Type	Year 1	Year 2	Year 3
Home Energy Report Recipients	77,160	77,160	77,160
Deemed Measures	747	747	747

**Table 5. Program Market Penetration<sup>1</sup>**

Measure Type	Year 1	Year 2	Year 3
Home Energy Report Recipients	24%	24%	24%
Deemed Measures	0.23%	0.23%	0.23%

<sup>1</sup> Market penetration calculated based on 321,500 eligible OCPA customers with participation rate applied.

## Deliverables/Measures

OC Power Savers is designed to achieve and sustain residential energy savings through behavioral energy efficiency and high efficiency measures.

- The program will provide the following behavioral energy efficiency services, but not limited to:
  - Home Energy Reports
  - Financial rewards
  - Energy coaching
- The program will provide incentives for the following high efficiency measures, but not limited to:
  - Heat pump HVACs
  - Heat pump water heaters

As OCPA collaborates with other program administrators and programs, OCPA will ensure savings claims are appropriately attributed and that measure incentives do not double dip across programs. OCPA will explore a partnership with TECH Clean California, a statewide initiative designed to accelerate the adoption of clean space and water heating technology across California homes through incentives and strategies, to deliver cost-effective support to customers. If OCPA secures a partnership with TECH Clean California, OC Power Savers' downstream deemed measures will shift to midstream deemed to align with TECH Clean California's existing delivery channel.

## Project Innovation

OC Power Savers is innovative and unique compared to past and current energy efficiency programs. It is the first time the OCPA member agencies, as the electricity provider, will work with residents on energy efficiency opportunities. OCPA will work with a third party implementer to:

- **Gain customer buy-in through trusted channels:** to design a locally relevant program, OCPA will collaborate with community-based organizations (CBOs) to promote the program's high efficiency measures and maximize program participation.
- **Go beyond the report for deeper savings:** the program will go beyond energy analytics and behavioral recommendations, providing energy coaching resources and recommendations for relevant high efficiency measures.
- **Focus on time-of-use (TOU):** the Home Energy Report's target analysis and recommendations on peak hours will maximize customer savings and grid benefit.
- **Promote program energy efficiency rebates to target customers:** the program will highlight applicable energy efficiency rebate opportunities through mailers and emails to encourage deeper energy efficiency retrofits.

- **Strategically nudge customers with financial incentives:** the program will encourage customer action and drive loyalty by offering customers the ability to earn and redeem vendor gift cards.

## Program Process

### Task 1: Vendor Selection and Program Launch

OCPA will seek an implementation partner for OC Power Savers. Following CPUC approval of the Advice Letter, OCPA will release solicitation materials to find qualified vendors. The implementer will be selected based on their ability to offer a best-fit program design, partnership with local CBOs for marketing and outreach, and strong quality assurance and quality control provisions. OCPA will work with the selected vendor to finalize program design and launch the program.

### Task 2: Marketing & Outreach

Marketing and outreach will be led by OCPA and the implementation partner with the support of CBOs. OCPA brings experience and existing marketing and outreach channels from promoting its 2022 launch. OCPA will leverage its existing connections with state and local government, industry, and other utilities.

Marketing materials in English, Spanish, Vietnamese, Korean, Chinese, Tagalog, Japanese and Farsi will be developed to describe the program and its benefits. Marketing collateral may include a program fact sheet, webpage with program information and contact form, direct mail, email content, phone scripts, and social media posts.

### Task 3: Customer Acquisition

OC Power Savers' two deliverables will require separate customer acquisition strategies. For the HER, the program will develop customer groups or "waves" of statistically equivalent and randomly selected treatment and control groups. Customers in the participant group will receive customized HERs, while customers in the control group will not. The program will not only target high-energy-using customers, but also customers in disadvantaged communities (DACs). The HERs will help customers save energy, and the energy coaching will help guide eligible customers to the energy efficiency rebates.

OCPA's customer acquisition strategy for energy efficiency measure rebates will center on focused campaigns targeting specific customers, including customers in older housing stock (to maximize potential energy savings) and DACs. OCPA will use Geographic Information System (GIS) maps with demographic information, including income and language, to tailor outreach on a neighborhood level. OCPA will use traditional marketing tactics such as direct mail, email, social media, and outdoor, radio, digital advertising, and promotion through HERs. OCPA will also leverage relationships with neighborhood associations, Council Offices, schools, churches, and other local neighborhood groups. To help reach residents who do not have

internet access, the implementing partner will collaborate with community-based organizations to conduct cold calls, texting, and promotion at events.

#### **Task 4: Measure Delivery**

For the HER deliverable, participating customers will receive recurring reports by mail or by email containing energy consumption neighbor comparisons and customized energy-saving recommendations. Reports will be delivered between 6-12 times per year. Customers will get the chance to be rewarded for energy savings and persistence. They'll also receive consultations with an energy coach for more comprehensive energy efficiency education.

OC Power Savers will provide easy to follow instructions for customers or vendors to submit documentation for installed high efficiency equipment and to receive their incentive. Eligible energy efficiency measures will include downstream deemed measures. Reported energy savings claims will be based on deemed measures in the adopted California Electronic Technical Reference Manual (eTRM) and approved work papers. The implementing partner will review the application and be held to strict timelines for review and approval of applications.

#### **Task 5: Reporting**

Where applicable, OCPA will support all required reporting and collaborate with other program administrators. Additional reporting to OCPA's Board and to the CPUC will occur as required.

## **Commencement Date and Activities (Implementation Timeline)**

Task 1: Vendor Selection and Program Launch (0-3 months)

Task 2: Marketing and Outreach (starting at 3 months)

Task 3: Customer Acquisition (starting at 3 months)

Task 4: Measure Delivery (starting at 3 months)

Task 5: Reporting (starting at 12 months)

## **Cost-Effectiveness Analysis**

The Commission clarified in a Decision that CCAs' energy efficiency portfolios will be subject to the cost-effectiveness threshold Total Resource Cost ("TRC") ratio of 1.0 for their first three years. As described earlier in this summary, OCPA performed cost-effectiveness analysis using the 2021 Avoided Cost Calculator ("ACC") on the proposed residential program in accordance with the methodologies included in the California Standard Practices Manual. OCPA's

forecasted portfolio TRC is 1.02 and forecasted portfolio Program Administrator Cost (“PAC”) is 1.05. The full results of the calculation can be found in Appendix A.

## Demand Reduction, Energy Savings, and Other Measures of Success

OCPA expects that cumulative first-year gross energy savings for the program will be 21,190,787 kWh with demand savings of 5,876 kW over three years.

Additional measures of success include:

- Number of completed projects
- Number of homes served
- Number of participants in DAC and moderate income communities
- Percentage of program funding directed to DAC and moderate-income communities
- Cost-effectiveness calculations
- Bill savings of participants

## Budget

In consideration of OCPA’s plan to leverage innovations from existing program frameworks to reduce launch time, goals and budgets have been distributed evenly across all three years. Administration, marketing, education and outreach, direct implementation, and direct implementation non incentive costs will remain constant. The three year program budget for OC Power Savers is \$2,261,240. This budget breaks down as follows:

**Table 6. Program Budget**

	Year 1	Year 2	Year 3	Total	Percent of Total
Administration	\$68,769	\$68,769	\$68,769	<b>\$206,307</b>	<b>9%</b>
Marketing	\$43,955	\$43,955	\$43,955	<b>\$131,866</b>	<b>6%</b>
Direct Implementation	\$397,420	\$397,420	\$397,420	<b>\$1,192,260</b>	<b>53%</b>
Incentive	\$234,557	\$234,557	\$234,557	<b>\$703,672</b>	<b>31%</b>
EM&V	\$9,045	\$9,045	\$9,045	<b>\$27,135</b>	<b>1%</b>
<b>Program Total</b>	<b>\$753,747</b>	<b>\$753,747</b>	<b>\$753,747</b>	<b>\$2,261,240</b>	<b>100%</b>

## Collaboration with Existing Programs

OCPA is trusted by its customers and by becoming an administrator of energy efficiency programs, OCPA will be able to deliver increased value and benefit to those customers not only through direct services but also through collaboration with other program administrators. For the OC Power Savers program, OCPA will collaborate and coordinate with other program administrators across the state, with a focus on other program administrators in the region (currently, Southern California Edison (“SCE”), Southern California Gas Company (“SCG”), San Diego Gas and Electric (“SDGE”) and Southern California Regional Energy Network (“SoCalREN”)) in order to reduce market confusion and provide referrals and resources to ensure the best outcomes for customers. In addition, OCPA will collaborate with other programs such as TECH Clean California to explore partnership opportunities in order to maximize customer benefit.

OCPA will also collaborate with local government and community stakeholders to ensure program success, including leveraging broader partnerships with other Southern California Community Choice Aggregators such as Clean Power Alliance, Clean Energy Alliance, and members of the California Choice Energy Authority to streamline and accelerate solicitations and procurements and align program design efforts to increase market effectiveness.

OCPA member agencies have a long history of collaborating and partnering with SCE, SCG, and the SoCalREN. Four current member agencies (Buena Park, Fullerton, Huntington Beach, and Irvine) were members of SCE and SCG Local Government Partnerships and participated in SCE and SCG’s Energy Efficiency Programs. OCPA will leverage this project history, institutional knowledge and lessons learned to develop the proposed programs. In addition, these member agencies are all enrolled in the SoCalREN Public Agency Programs, and in October of 2021, OCPA and SoCalREN executed a Memorandum of Understanding to formally recognize their plans to collaborate on energy efficiency programs.

OCPA is committed to an early coordination effort to best align OCPA program messaging and branding in context with existing SoCalREN, SCE, and SDGE programs. OCPA will make every effort to differentiate its locally administered program from SCE’s and SDGE’s. OCPA will also provide SCE and SDGE with all necessary information regarding locally funded programs and statewide and regional program referrals. OCPA plans to maintain a strong partnership with SCE and SDGE to collectively direct customers to the best services, while reducing confusion at every step. As part of this partnership, OCPA has already held meetings with SCE, SDGE, and SoCalREN energy efficiency staff to present program concepts and elicit feedback.

## Consistency with Commission Requirements

OCPA’s Plan is consistent with the “elect to administer” pathway for CCA program administration as defined in D.14-01-033. OCPA’s program will deliver cost-effective energy



savings to our customers while remaining consistent with CPUC goals, and aligning to our statement of intent to implement a CCA program that includes reliable, affordable electric service for all OCPA customers.

OCPA has and will continue to prioritize advancing the public interest as aligned with Public Utilities Code sections 399.4 and 381.1. OCPA's proposed program is consistent with broader regional or statewide energy efficiency programs and are designed to integrate demand side management activities in a way that will value stack the deployment of distributed energy resources. This will support relevant rulings and decisions such as, but not limited to, D.07-10-032 and D.12-11-015.

OCPA's programs will fully follow Public Utilities Code Section 399.4 requirements that participants comply with applicable permitting requirements. Participating contractors will be required to pull permits as required by code. OCPA will comply with Section 399.4(b)(1) by requiring all installing contractors or non-residential and residential customers who receive a rebate or incentive to certify that they have complied with Title 24.

The Program Plan shows that it complies with Section 399.4(c) by prioritizing local and regional interests in our program portfolio design, and by proposing to incorporate local governments, community-based organizations, and energy efficiency service providers as participants in program implementation where appropriate.

OC Power Savers Program supports the mandate set forth in Section 399.4(d)(2) by providing incentives that are linked to measured energy savings. The program will fulfill the Section 399.4 requirement that incentives be based on values and methodology stated in customer agreements and derived from measured results. OCPA understands that cost-effectiveness calculations require specific inputs: costs (project costs and incentives) and benefits (energy savings). OCPA is committed to accurately forecasting portfolio averaged incentive values to ensure cost-effectiveness calculations are accurate, achievable, and based on realistic and timebound values.

Compliance with Section 399.4(d)(2) will also support the goals noted in D.07-10-032 for overcoming barriers to more widespread adoption of energy efficiency and capturing longer-term savings, and the roadmap for energy efficiency beyond 2020 as established in the subsequent California Long-Term Energy Efficiency Strategic Plan (Strategic Plan) adopted in D.08-09-040.

By acting as point of contact for OCPA customers, OCPA will simplify the goals set forth in Section 381.1 ensuring that local and statewide goals are met, such as those associated with Senate Bill 350. The proposed Plan also supports the State's goals to decarbonize California as

detailed in the 2021 Integrated Energy Policy Report (“IEPR”) Final Scoping Order. The California Energy Commission is committed to advancing building decarbonization incentive programs, while assessing existing and future policies and programs in an equitable manner. OCPA’s Plan aligns with such goals as we enroll customers into Energy Efficiency incentive programs that save customers money and promote building decarbonization. Particularly, the residential program is aimed at meeting our low- and moderate-income customers’ needs by offering a program that does not include upfront costs.

## Accommodation of Statewide and Regional Programs

Since launch in April 2022, OCPA has developed a strong identity as the electricity provider devoted to local decision-making on power generation, energy affordability, and sustainability. OCPA is directly governed by the OCPA Board of Directors, which consists of one director from each member agency (with the exception of the City of Irvine with two directors). Through this mechanism, OCPA’s leadership is held accountable to the local community, and responds directly to that community’s needs. This structure means that OCPA is answerable to Orange County residents both as customers and as a constituency responsible for electing its leadership.

OC Power Savers is designed for and will be offered exclusively to its customers. Program marketing will be targeted to OCPA customers and will clearly describe which ratepayers will be eligible to participate. OCPA will brand and market these programs as unique from SCE, SDGE and other programs and will leverage direct relationships with its customers to effectively communicate about and provide referrals to all appropriate energy efficiency program opportunities.

OCPA’s programming will directly respond to local needs but will have the flexibility to collaborate with existing programming from SoCalREN, SCE, SDGE as well as non-ratepayer programs such as TECH Clean California. OCPA and its selected implementer will make appropriate referrals, leverage programs, and eliminate customer confusion. Staff will coordinate with other program administrators to provide OCPA customers with the most accurate, up-to-date materials on available programs.

## Auditing and Reporting

OCPA performs annual financial audits using generally accepted accounting principles (“GAAP”) specific to government entities. These reports are publicly available and will be provided to the CPUC on request. Once OCPA’s the plan is certified and OCPA’s programs begin, energy efficiency program administration data will be audited and reported in conformance with the Plan. This will ensure appropriate accounting controls for energy efficiency program funds.

As required by the Governmental Accounting Standards Board, the program's management discussion and analysis will be included to supplement OCPA's basic financial statements. To evaluate the effective use of resources and management procedures, OCPA will also complete all regulatory filings and reports as directed by CPUC staff. These documents will showcase the results of program efforts that can be evaluated against the performance metrics identified by OCPA, including adherence to cost-effectiveness requirements.

OCPA will take all necessary actions to remain compliant with additional auditing and reporting requirements.

## Evaluation, Measurement and Verification Protocols

OCPA will contract with an independent, third-party EM&V provider to perform process evaluations or market studies to determine the effectiveness of the program. OCPA-led studies will be performed according to the process of Commission oversight of IOU EM&V projects as detailed in the Energy Efficiency EM&V Plan. OCPA will be subject to the same protocol as investor owned utilities for CPUC-directed impact evaluations to determine actual energy savings, benefits, costs, and goal achievement as directed in D.05-01-55. OCPA expects to dedicate no more than 1.2% of total program budget during the three year program to evaluate the program and market.

OCPA-directed evaluations will evaluate market characterization, conditions and needs, identify any weaknesses in the program, and viable solutions to ameliorate those issues. The effects of the program will be measured in indirect program impacts (i.e., behavioral changes), and impacts to the market that resulted in induced market changes (i.e., job creation), while direct program impacts (i.e., energy savings) will be measured by the CPUC-directed impact evaluation. OCPA will refer to existing and current EM&V studies, led by IOUs and CPUC, to avoid duplication and expand on existing efforts.

The EM&V effort will draw upon data from program databases, program descriptions, current implementation plan, surveys and actual energy savings at the meter, interviews, marketing collateral, and work papers developed for or used during program implementation. Objectives include, but will not be limited to:

1. Compare OCPA program efforts with efforts for other programs.
2. Evaluate the successes, failures, and replicability of the program.
3. Evaluate the differences and unique qualities within the OCPA jurisdiction and determine how best to respond. Do they match original data collection and estimates prior to program launch?

## Performance Metrics

The following performance metrics will indicate progress toward meeting the goals and objectives of the CPUC Energy Efficiency Strategic Plan and OCPA goals. The specific objective of Section 381.1(f) that each metric addresses (if applicable) is included in parenthesis.

- Program energy savings (381.1(f)(2)).
- Customers supported and reports sent
- Tracking and serving underserved and disadvantaged communities (381.1(f)(1))
- Cost-effectiveness tool (“CET”) output
  - Tracking the Program cost-effectiveness quarterly (381.1(f)(2))
- Percentage of customers who install at least one program measure (381.1(f)(4))
- Percentage of recommended measures installed by customers (381.1(f)(4))

**Table 7. Program Distribution/Installation Metrics**

Measure Type	Year 1	Year 2	Year 3
Home Energy Report Recipients	77,160	77,160	77,160
Deemed Measures	747	747	747

**Table 8. Program Market Penetration<sup>2</sup>**

Measure Type	Year 1	Year 2	Year 3
Home Energy Report Recipients	24%	24%	24%
Deemed Measures	0.23%	0.23%	0.23%

**Table 9. Program Portfolio Savings Metrics**

Measure Type	First-Year Electric Savings (kWh)	Year 1	Year 2	Year 3	Total
Home Energy Report	Gross kWh	5,826,600	5,826,600	5,826,600	17,479,800
	Net kWh	5,826,600	5,826,600	5,826,600	17,479,800
	Gross kW	1,959	1,959	1,959	5,876

<sup>2</sup> Market penetration calculated based on 321,500 eligible OCPA customers with participation rate applied.

Measure Type	First-Year Electric Savings (kWh)	Year 1	Year 2	Year 3	Total
	Net kW	1,959	1,959	1,959	5,876
Deemed Measures	Gross kWh	1,236,996	1,236,996	1,236,996	3,710,987
	Net kWh	1,236,996	1,236,996	1,236,996	3,710,987
	Gross kW	0	0	0	0
	Net kW	0	0	0	0

## Funding Determination

Resolution E-4518 states that “funding collection and program periods do not always correspond” and that there is no statutory requirement for funding collection to begin subsequent to Commission certification of the plan. OCPA finds it reasonable to request the CPUC to direct transfer of energy efficiency funds collected from OCPA’s ratepayers beginning on the date they begin services to residential customers, October 2022.

The intent of legislation SB 790 is to create a streamlined pathway for CCAs to administer EE programs for their constituents through the same channels as the IOUs. SB 790 describes a CCA’s right to serve its own customers. The Elect to Administer (ETA) option was established based on the Legislature’s desire to greatly simplify the process for CCAs to access energy efficiency funding on behalf of their customers. SB 790 did not dictate the specific budget calculation that would be used to determine the budget amount that is available to CCAs for their ETA application. This budget methodology was established through a subsequent CPUC Decision (D.14.01.033), based on Section 381.1, subsection (e) language that a CCA may “elect to become the administrator of funds collected from the aggregator’s electric service customers and collected through a non bypassable charge authorized by the Commission, for cost-effective energy efficiency and conservation programs, except those funds collected for border statewide and regional programs authorized by the commission.” D.14.01.033 established a funding cap formula that was proposed in the June 20, 2012 ALJ ruling prior to the authorization of REN administrators. To calculate this budget cap, CCAs to date have looked at the total EE funds currently collected from the respective CCA’s customers by the serving electric investor owned utility (IOU) and then subtracts the percent of energy efficiency funding that the IOU has allocated to “statewide” and “regional” programs within the its own energy efficiency programs portfolio. This determines the total funding that is allocated to “local” programs within the IOU service territory and allows CCAs to leverage the same proportion of funds to their own local customers. OCPA strongly believes that the correct interpretation of the ETA formula incorporates the non-IOU PA budgets, such as RENs, into the calculation. These budgets are included in electric utility EE budget filings alongside their IOU portfolio budget as

the fiscal agent, and included in the total EE non-bypassable charge collections from the CCA customers.

The Commission must establish whether the funding requested in the CCA's proposed plan is within the forecasted maximum amount of funds the CCA would be eligible to collect.

Commission staff must determine the actual and forecasted amounts of non-bypassable charges likely to be collected from the CCA's customers over a reasonable collection period to fund energy efficiency programs. Using the correct interpretation of the formula established in D. 14-01-033 for the CCA maximum funding, OCPA is requesting \$2,261,240 for the three-year funding budget. This is within the CCA maximum funding authorization as detailed in Appendix B.

## **APPENDIX A: OCPA Cost Effectiveness Calculations**

This appendix contains first-year cost-effectiveness measure and program cost input and output tables.

















Table with 7 columns: Description, Cust-RCT, SWWB004A, SWWB004B, Res, DEER:HVAC\_Eff\_AC, DEER:Res\_ClothesDishWasher. Rows include household energy report actions and heat pump water heater replacements.



























LifecycleGrossKWh	LifecycleGrossThm	LifecycleNetKWh	LifecycleNetThm	GoalAttainmentKWh	GoalAttainmentKWh	GoalAttainmentThm	FirstYearGrossKWh	FirstYearGrossKW	FirstYearGrossThm	FirstYearNetKWh	FirstYearNetKW	FirstYearNetThm	WeightedSavings	ElecBen	GasBen	ElecBenGross	GasBenGross	TRCCost
33058.65	0.00	33058.65	0.00	2203.91	0.00	0.00	2203.91	0.00	0.00	2203.91	0.00	0.00	0.00	0.00	1077.46	0.00	1077.46	1599.01
35807.10	0.00	35807.10	0.00	2387.14	0.00	0.00	2387.14	0.00	0.00	2387.14	0.00	0.00	0.00	0.00	1147.28	0.00	1147.28	1610.29
14141.25	0.00	14141.25	0.00	942.75	0.00	0.00	942.75	0.00	0.00	942.75	0.00	0.00	0.00	0.00	472.33	0.00	472.33	972.29
14912.55	0.00	14912.55	0.00	994.17	0.00	0.00	994.17	0.00	0.00	994.17	0.00	0.00	0.00	0.00	477.81	0.00	477.81	913.21
32773.65	0.00	32773.65	0.00	2184.91	0.00	0.00	2184.91	0.00	0.00	2184.91	0.00	0.00	0.00	0.00	1077.46	0.00	1077.46	2272.78
34880.10	0.00	34880.10	0.00	2325.34	0.00	0.00	2325.34	0.00	0.00	2325.34	0.00	0.00	0.00	0.00	1147.28	0.00	1147.28	2353.33
34880.10	0.00	34880.10	0.00	2325.34	0.00	0.00	2325.34	0.00	0.00	2325.34	0.00	0.00	0.00	0.00	1118.72	0.00	1118.72	2227.30
13812.75	0.00	13812.75	0.00	920.85	0.00	0.00	920.85	0.00	0.00	920.85	0.00	0.00	0.00	0.00	472.33	0.00	472.33	1650.76
14033.55	0.00	14033.55	0.00	935.57	0.00	0.00	935.57	0.00	0.00	935.57	0.00	0.00	0.00	0.00	477.81	0.00	477.81	1651.08
14386.35	0.00	14386.35	0.00	959.09	0.00	0.00	959.09	0.00	0.00	959.09	0.00	0.00	0.00	0.00	565.43	0.00	565.43	1211.17
13094.10	0.00	13094.10	0.00	872.94	0.00	0.00	872.94	0.00	0.00	872.94	0.00	0.00	0.00	0.00	490.13	0.00	490.13	1018.62
33058.65	0.00	33058.65	0.00	2203.91	0.00	0.00	2203.91	0.00	0.00	2203.91	0.00	0.00	0.00	0.00	1050.64	0.00	1050.64	1516.06
35807.10	0.00	35807.10	0.00	2387.14	0.00	0.00	2387.14	0.00	0.00	2387.14	0.00	0.00	0.00	0.00	1118.72	0.00	1118.72	1523.52
14141.25	0.00	14141.25	0.00	942.75	0.00	0.00	942.75	0.00	0.00	942.75	0.00	0.00	0.00	0.00	460.57	0.00	460.57	921.24
14141.25	0.00	14141.25	0.00	942.75	0.00	0.00	942.75	0.00	0.00	942.75	0.00	0.00	0.00	0.00	449.43	0.00	449.43	827.75
14912.55	0.00	14912.55	0.00	994.17	0.00	0.00	994.17	0.00	0.00	994.17	0.00	0.00	0.00	0.00	465.91	0.00	465.91	861.72
14912.55	0.00	14912.55	0.00	994.17	0.00	0.00	994.17	0.00	0.00	994.17	0.00	0.00	0.00	0.00	454.64	0.00	454.64	767.29
32773.65	0.00	32773.65	0.00	2184.91	0.00	0.00	2184.91	0.00	0.00	2184.91	0.00	0.00	0.00	0.00	1050.64	0.00	1050.64	2150.42
34880.10	0.00	34880.10	0.00	2325.34	0.00	0.00	2325.34	0.00	0.00	2325.34	0.00	0.00	0.00	0.00	1091.67	0.00	1091.67	1998.35
14803.20	0.00	14803.20	0.00	986.88	0.00	0.00	986.88	0.00	0.00	986.88	0.00	0.00	0.00	0.00	569.53	0.00	569.53	1184.30
11567.40	0.00	11567.40	0.00	771.16	0.00	0.00	771.16	0.00	0.00	771.16	0.00	0.00	0.00	0.00	427.15	0.00	427.15	905.70
14496.70	0.00	14496.70	0.00	981.16	0.00	0.00	981.16	0.00	0.00	981.16	0.00	0.00	0.00	0.00	553.07	0.00	553.07	1536.64
33058.65	0.00	33058.65	0.00	2203.91	0.00	0.00	2203.91	0.00	0.00	2203.91	0.00	0.00	0.00	0.00	1025.23	0.00	1025.23	1333.86
35807.10	0.00	35807.10	0.00	2387.14	0.00	0.00	2387.14	0.00	0.00	2387.14	0.00	0.00	0.00	0.00	1091.67	0.00	1091.67	1330.95
32773.65	0.00	32773.65	0.00	2184.91	0.00	0.00	2184.91	0.00	0.00	2184.91	0.00	0.00	0.00	0.00	1025.23	0.00	1025.23	1931.68
13812.75	0.00	13812.75	0.00	920.85	0.00	0.00	920.85	0.00	0.00	920.85	0.00	0.00	0.00	0.00	460.57	0.00	460.57	1560.30
13812.75	0.00	13812.75	0.00	920.85	0.00	0.00	920.85	0.00	0.00	920.85	0.00	0.00	0.00	0.00	449.43	0.00	449.43	1430.28
14033.55	0.00	14033.55	0.00	935.57	0.00	0.00	935.57	0.00	0.00	935.57	0.00	0.00	0.00	0.00	465.91	0.00	465.91	1560.32
14033.55	0.00	14033.55	0.00	935.57	0.00	0.00	935.57	0.00	0.00	935.57	0.00	0.00	0.00	0.00	454.64	0.00	454.64	1429.49
13334.45	0.00	13334.45	0.00	921.01	0.00	0.00	921.01	0.00	0.00	921.01	0.00	0.00	0.00	0.00	479.34	0.00	479.34	1332.00
14918.55	0.00	14918.55	0.00	1009.95	0.00	0.00	1009.95	0.00	0.00	1009.95	0.00	0.00	0.00	0.00	557.09	0.00	557.09	1509.16
11841.75	0.00	11841.75	0.00	826.03	0.00	0.00	826.03	0.00	0.00	826.03	0.00	0.00	0.00	0.00	417.69	0.00	417.69	1216.76
31378.00	0.00	31378.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	0.00	0.00	1427.72	0.00	1427.72	3656.15
30506.00	0.00	30506.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	0.00	0.00	1388.61	0.00	1388.61	3582.61
35189.00	0.00	35189.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	0.00	0.00	1691.76	0.00	1691.76	4405.46
34524.00	0.00	34524.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	0.00	0.00	1642.86	0.00	1642.86	4261.73
31378.00	0.00	31378.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	0.00	0.00	1427.72	0.00	1427.72	3390.28
30506.00	0.00	30506.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	0.00	0.00	1388.61	0.00	1388.61	3316.75
35189.00	0.00	35189.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	0.00	0.00	1691.76	0.00	1691.76	4139.59
34524.00	0.00	34524.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	0.00	0.00	1642.86	0.00	1642.86	3995.87
32178.00	0.00	32178.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	0.00	0.00	1427.72	0.00	1427.72	3592.43
31306.00	0.00	31306.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	0.00	0.00	1388.61	0.00	1388.61	3518.89
36289.00	0.00	36289.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	0.00	0.00	1691.76	0.00	1691.76	4305.17
35524.00	0.00	35524.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	0.00	0.00	1642.86	0.00	1642.86	4173.63
32178.00	0.00	32178.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	0.00	0.00	1427.72	0.00	1427.72	3326.56
31306.00	0.00	31306.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	0.00	0.00	1388.61	0.00	1388.61	3253.03
36289.00	0.00	36289.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	0.00	0.00	1691.76	0.00	1691.76	4039.30
35524.00	0.00	35524.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	0.00	0.00	1642.86	0.00	1642.86	3907.76
17086.60	0.00	17086.60	0.00	1708.66	0.00	0.00	1708.66	0.00	0.00	1708.66	0.00	0.00	0.00	0.00	940.73	0.00	940.73	3119.31
14386.35	0.00	14386.35	0.00	959.09	0.00	0.00	959.09	0.00	0.00	959.09	0.00	0.00	0.00	0.00	551.35	0.00	551.35	1163.67
14386.35	0.00	14386.35	0.00	959.09	0.00	0.00	959.09	0.00	0.00	959.09	0.00	0.00	0.00	0.00	538.02	0.00	538.02	1064.39
13094.10	0.00	13094.10	0.00	872.94	0.00	0.00	872.94	0.00	0.00	872.94	0.00	0.00	0.00	0.00	477.93	0.00	477.93	974.84
13094.10	0.00	13094.10	0.00	872.94	0.00	0.00	872.94	0.00	0.00	872.94	0.00	0.00	0.00	0.00	466.37	0.00	466.37	886.35
14803.20	0.00	14803.20	0.00	986.88	0.00	0.00	986.88	0.00	0.00	986.88	0.00	0.00	0.00	0.00	555.36	0.00	555.36	1136.51
14803.20	0.00	14803.20	0.00	986.88	0.00	0.00	986.88	0.00	0.00	986.88	0.00	0.00	0.00	0.00	541.93	0.00	541.93	1036.56
11567.40	0.00	11567.40	0.00	771.16	0.00	0.00	771.16	0.00	0.00	771.16	0.00	0.00	0.00	0.00	416.52	0.00	416.52	865.12
11567.40	0.00	11567.40	0.00	771.16	0.00	0.00	771.16	0.00	0.00	771.16	0.00	0.00	0.00	0.00	406.44	0.00	406.44	785.77
14496.70	0.00	14496.70	0.00	981.16	0.00	0.00	981.16	0.00	0.00	981.16	0.00	0.00	0.00	0.00	539.47	0.00	539.47	1463.91

First-Year Cost-Effectiveness Outputs 6.21.22

PACCost	TRCCostGross	TRCCostNoAdmin	PACCostNoAdmin	TRCRatio	PACRatio	TRCRatioNoAdmin	PACRatioNoAdmin	BillReducElec	BillReducGas	RIMCost	WeightedBenefits	WeightedElecAlloc	WeightedProgramCost	ElecSupplyCost	GasSupplyCost	ElecSupplyCostGross	GasSupplyCostGross
1238.48	1599.01	580.81	220.28	0.67	0.87	1.86	4.89	0.00	0.00	1238.48	0.00	0.00	1018.20	165.09	0.00	165.09	0.00
1249.76	1610.29	526.10	165.57	0.71	0.92	2.18	6.93	0.00	0.00	1249.76	0.00	0.00	1084.18	110.38	0.00	110.38	0.00
611.76	972.29	525.94	165.41	0.49	0.77	0.90	2.86	0.00	0.00	611.76	0.00	0.00	446.35	110.22	0.00	110.22	0.00
552.68	913.21	461.69	101.16	0.52	0.86	1.03	4.72	0.00	0.00	552.68	0.00	0.00	451.53	45.97	0.00	45.97	0.00
1371.22	2272.78	1254.58	353.02	0.47	0.79	0.86	3.05	0.00	0.00	1371.22	0.00	0.00	1018.20	195.84	0.00	195.84	0.00
1451.77	2353.33	1269.15	367.59	0.49	0.79	0.90	3.12	0.00	0.00	1451.77	0.00	0.00	1084.18	210.41	0.00	210.41	0.00
1391.54	2227.30	1203.83	368.06	0.50	0.80	0.93	3.04	0.00	0.00	1391.54	0.00	0.00	1101.77	210.88	0.00	210.88	0.00
749.20	1650.76	1204.41	302.85	0.29	0.63	0.39	1.56	0.00	0.00	749.20	0.00	0.00	446.35	145.67	0.00	145.67	0.00
749.52	1651.08	1199.55	297.99	0.29	0.64	0.40	1.60	0.00	0.00	749.52	0.00	0.00	451.53	140.81	0.00	140.81	0.00
957.81	1211.17	676.84	423.48	0.47	0.59	0.84	1.34	0.00	0.00	957.81	0.00	0.00	534.33	406.25	0.00	406.25	0.00
765.26	1018.62	555.45	302.09	0.48	0.64	0.88	1.62	0.00	0.00	765.26	0.00	0.00	463.17	284.86	0.00	284.86	0.00
1181.84	1516.06	554.87	220.65	0.69	0.89	1.89	4.76	0.00	0.00	1181.84	0.00	0.00	1034.72	165.46	0.00	165.46	0.00
1189.30	1523.52	500.04	165.82	0.73	0.94	2.24	6.75	0.00	0.00	1189.30	0.00	0.00	1101.77	110.63	0.00	110.63	0.00
587.02	921.24	499.88	165.66	0.50	0.78	0.92	2.78	0.00	0.00	587.02	0.00	0.00	453.59	110.47	0.00	110.47	0.00
517.92	827.75	475.72	165.89	0.54	0.87	0.94	2.71	0.00	0.00	517.92	0.00	0.00	407.95	110.70	0.00	110.70	0.00
527.50	861.72	435.48	101.26	0.54	0.88	1.07	4.60	0.00	0.00	527.50	0.00	0.00	458.85	46.07	0.00	46.07	0.00
457.46	767.29	411.18	101.36	0.59	0.99	1.11	4.49	0.00	0.00	457.46	0.00	0.00	412.68	46.17	0.00	46.17	0.00
1314.65	2150.42	1189.23	353.46	0.49	0.80	0.88	2.97	0.00	0.00	1314.65	0.00	0.00	1034.72	196.28	0.00	196.28	0.00
1223.57	1998.35	1143.28	368.50	0.55	0.89	0.95	2.96	0.00	0.00	1223.57	0.00	0.00	990.90	211.32	0.00	211.32	0.00
930.94	1184.30	646.09	392.73	0.48	0.61	0.88	1.45	0.00	0.00	930.94	0.00	0.00	538.21	375.50	0.00	375.50	0.00
652.34	905.70	502.04	248.68	0.47	0.65	0.85	1.72	0.00	0.00	652.34	0.00	0.00	403.66	231.45	0.00	231.45	0.00
933.06	1536.64	1013.99	410.42	0.36	0.59	0.55	1.35	0.00	0.00	933.06	0.00	0.00	522.65	393.19	0.00	393.19	0.00
1024.03	1333.86	530.83	221.00	0.77	1.00	1.93	4.64	0.00	0.00	1024.03	0.00	0.00	930.59	165.81	0.00	165.81	0.00
1021.12	1330.95	475.88	166.05	0.82	1.07	2.29	6.57	0.00	0.00	1021.12	0.00	0.00	990.90	110.86	0.00	110.86	0.00
1156.90	1931.68	1128.65	353.87	0.53	0.89	0.91	2.90	0.00	0.00	1156.90	0.00	0.00	930.59	196.69	0.00	196.69	0.00
724.53	1560.30	1138.94	303.17	0.30	0.64	0.40	1.52	0.00	0.00	724.53	0.00	0.00	453.59	145.99	0.00	145.99	0.00
655.51	1430.28	1078.25	303.48	0.31	0.69	0.42	1.48	0.00	0.00	655.51	0.00	0.00	407.95	146.30	0.00	146.30	0.00
724.55	1560.32	1134.07	298.31	0.30	0.64	0.41	1.56	0.00	0.00	724.55	0.00	0.00	458.85	141.13	0.00	141.13	0.00
654.71	1429.49	1073.38	298.60	0.32	0.69	0.42	1.52	0.00	0.00	654.71	0.00	0.00	412.68	141.42	0.00	141.42	0.00
728.42	1332.00	879.01	275.44	0.36	0.66	0.55	1.74	0.00	0.00	728.42	0.00	0.00	452.98	258.21	0.00	258.21	0.00
905.59	1509.16	982.72	379.14	0.37	0.62	0.57	1.47	0.00	0.00	905.59	0.00	0.00	526.45	361.91	0.00	361.91	0.00
613.19	1216.76	822.05	218.47	0.34	0.68	0.51	1.91	0.00	0.00	613.19	0.00	0.00	394.71	201.24	0.00	201.24	0.00
2787.78	3656.15	2306.95	1438.58	0.39	0.51	0.62	0.99	0.00	0.00	2787.78	0.00	0.00	1349.20	1389.69	0.00	1389.69	0.00
2714.25	3582.61	2270.38	1402.01	0.39	0.51	0.61	0.99	0.00	0.00	2714.25	0.00	0.00	1312.24	1353.12	0.00	1353.12	0.00
3537.09	4405.46	2806.75	1938.38	0.38	0.48	0.60	0.87	0.00	0.00	3537.09	0.00	0.00	1598.71	1889.49	0.00	1889.49	0.00
3393.37	4261.73	2709.23	1840.86	0.39	0.48	0.61	0.89	0.00	0.00	3393.37	0.00	0.00	1552.51	1791.97	0.00	1791.97	0.00
2787.78	3390.28	2041.08	1438.58	0.42	0.51	0.70	0.99	0.00	0.00	2787.78	0.00	0.00	1349.20	1389.69	0.00	1389.69	0.00
2714.25	3316.75	2004.51	1402.01	0.42	0.51	0.69	0.99	0.00	0.00	2714.25	0.00	0.00	1312.24	1353.12	0.00	1353.12	0.00
3537.09	4139.59	2540.88	1938.38	0.41	0.48	0.67	0.87	0.00	0.00	3537.09	0.00	0.00	1598.71	1889.49	0.00	1889.49	0.00
3393.37	3995.87	2443.36	1840.86	0.41	0.48	0.67	0.89	0.00	0.00	3393.37	0.00	0.00	1552.51	1791.97	0.00	1791.97	0.00
2690.26	3592.43	2243.23	1341.06	0.40	0.53	0.64	1.06	0.00	0.00	2690.26	0.00	0.00	1349.20	1292.17	0.00	1292.17	0.00
2616.73	3518.89	2206.65	1304.49	0.39	0.53	0.63	1.06	0.00	0.00	2616.73	0.00	0.00	1312.24	1255.60	0.00	1255.60	0.00
3403.00	4305.17	2706.46	1804.29	0.39	0.50	0.63	0.94	0.00	0.00	3403.00	0.00	0.00	1598.71	1755.40	0.00	1755.40	0.00
3271.46	4173.63	2621.12	1718.96	0.39	0.50	0.63	0.96	0.00	0.00	3271.46	0.00	0.00	1552.51	1670.07	0.00	1670.07	0.00
2690.26	3326.56	1977.36	1341.06	0.43	0.53	0.72	1.06	0.00	0.00	2690.26	0.00	0.00	1349.20	1292.17	0.00	1292.17	0.00
2616.73	3253.03	1940.79	1304.49	0.43	0.53	0.72	1.06	0.00	0.00	2616.73	0.00	0.00	1312.24	1255.60	0.00	1255.60	0.00
3403.00	4039.30	2440.59	1804.29	0.42	0.50	0.69	0.94	0.00	0.00	3403.00	0.00	0.00	1598.71	1755.40	0.00	1755.40	0.00
3271.46	3907.76	2355.26	1718.96	0.42	0.50	0.70	0.96	0.00	0.00	3271.46	0.00	0.00	1552.51	1670.07	0.00	1670.07	0.00
2291.01	3119.31	2230.31	1402.01	0.30	0.41	0.42	0.67	0.00	0.00	2291.01	0.00	0.00	888.99	1353.12	0.00	1353.12	0.00
928.80	1163.67	659.26	424.39	0.47	0.59	0.84	1.30	0.00	0.00	928.80	0.00	0.00	543.00	407.16	0.00	407.16	0.00
846.66	1064.39	642.98	425.25	0.51	0.64	0.84	1.27	0.00	0.00	846.66	0.00	0.00	488.35	408.02	0.00	408.02	0.00
739.97	974.84	537.60	302.73	0.49	0.65	0.89	1.58	0.00	0.00	739.97	0.00	0.00	470.69	285.50	0.00	285.50	0.00
668.62	886.35	521.06	303.33	0.53	0.70	0.90	1.54	0.00	0.00	668.62	0.00	0.00	423.32	286.10	0.00	286.10	0.00
901.64	1136.51	628.44	393.57	0.49	0.62	0.88	1.41	0.00	0.00	901.64	0.00	0.00	546.94	376.34	0.00	376.34	0.00
818.83	1036.56	612.09	394.36	0.52	0.66	0.89	1.37	0.00	0.00	818.83	0.00	0.00	491.90	377.13	0.00	377.13	0.00
630.25	865.12	484.07	249.20	0.48	0.66	0.86	1.67	0.00	0.00	630.25	0.00	0.00	410.21	231.97	0.00	231.97	0.00
568.04	785.77	467.42	249.69	0.52	0.72	0.87	1.63	0.00	0.00	568.04	0.00	0.00	368.93	232.46	0.00	232.46	0.00
904.39	1463.91	970.37	410.84	0.37	0.60	0.56	1.31	0.00	0.00	904.39	0.00	0.00	531.30	393.61	0.00	393.61	0.00

TotalSystemBenefit	TotalSystemBenefitGross	OtherBenefits	OtherCost	OtherBenefitsGross	OtherCostGross	NetElecCO2	NetGasCO2	GrossElecCO2	GrossGasCO2	NetElecCO2Life cycle	NetGasCO2Life cycle	GrossElecCO2Life cycle	GrossGasCO2Life cycle	NetElecNOx	NetGasNOx	GrossElecNOx	GrossGasNOx	NetElecNOxLife cycle	NetGasNOxLife cycle
857.18	857.18	0.00	55.19	0.00	55.19	-0.03	0.46	-0.03	0.46	-0.49	6.91	-0.49	6.91	-0.02	0.00	-0.02	0.00	-0.24	0.00
981.71	981.71	0.00	55.19	0.00	55.19	-0.02	0.49	-0.02	0.49	-0.33	7.35	-0.33	7.35	-0.01	0.00	-0.01	0.00	-0.16	0.00
306.92	306.92	0.00	55.19	0.00	55.19	-0.02	0.20	-0.02	0.20	-0.33	3.03	-0.33	3.03	-0.01	0.00	-0.01	0.00	-0.16	0.00
376.65	376.65	0.00	55.19	0.00	55.19	-0.01	0.20	-0.01	0.20	-0.14	3.06	-0.14	3.06	0.00	0.00	0.00	0.00	-0.07	0.00
724.44	724.44	0.00	157.18	0.00	157.18	-0.03	0.46	-0.03	0.46	-0.58	6.91	-0.58	6.91	-0.02	0.00	-0.02	0.00	-0.28	0.00
779.69	779.69	0.00	157.18	0.00	157.18	-0.03	0.49	-0.03	0.49	-0.63	7.35	-0.63	7.35	-0.02	0.00	-0.02	0.00	-0.30	0.00
750.66	750.66	0.00	157.18	0.00	157.18	-0.04	0.49	-0.04	0.49	-0.64	7.35	-0.64	7.35	-0.02	0.00	-0.02	0.00	-0.30	0.00
169.48	169.48	0.00	157.18	0.00	157.18	-0.02	0.20	-0.02	0.20	-0.43	3.03	-0.43	3.03	-0.01	0.00	-0.01	0.00	-0.21	0.00
179.81	179.81	0.00	157.18	0.00	157.18	-0.02	0.20	-0.02	0.20	-0.42	3.06	-0.42	3.06	-0.01	0.00	-0.01	0.00	-0.20	0.00
141.95	141.95	0.00	17.23	0.00	17.23	-0.07	0.24	-0.07	0.24	-1.21	3.62	-1.21	3.62	-0.04	0.00	-0.04	0.00	-0.59	0.00
188.04	188.04	0.00	17.23	0.00	17.23	-0.05	0.21	-0.05	0.21	-0.85	3.14	-0.85	3.14	-0.03	0.00	-0.03	0.00	-0.41	0.00
829.99	829.99	0.00	55.19	0.00	55.19	-0.03	0.46	-0.03	0.46	-0.50	6.91	-0.50	6.91	-0.02	0.00	-0.02	0.00	-0.24	0.00
952.90	952.90	0.00	55.19	0.00	55.19	-0.02	0.49	-0.02	0.49	-0.34	7.35	-0.34	7.35	-0.01	0.00	-0.01	0.00	-0.16	0.00
294.91	294.91	0.00	55.19	0.00	55.19	-0.02	0.20	-0.02	0.20	-0.34	3.03	-0.34	3.03	-0.01	0.00	-0.01	0.00	-0.16	0.00
283.54	283.54	0.00	55.19	0.00	55.19	-0.02	0.20	-0.02	0.20	-0.34	3.03	-0.34	3.03	-0.01	0.00	-0.01	0.00	-0.16	0.00
364.65	364.65	0.00	55.19	0.00	55.19	-0.01	0.20	-0.01	0.20	-0.14	3.06	-0.14	3.06	0.00	0.00	0.00	0.00	-0.07	0.00
353.29	353.29	0.00	55.19	0.00	55.19	-0.01	0.20	-0.01	0.20	-0.14	3.06	-0.14	3.06	0.00	0.00	0.00	0.00	-0.07	0.00
697.18	697.18	0.00	157.18	0.00	157.18	-0.03	0.46	-0.03	0.46	-0.60	6.91	-0.60	6.91	-0.02	0.00	-0.02	0.00	-0.28	0.00
723.16	723.16	0.00	157.18	0.00	157.18	-0.04	0.49	-0.04	0.49	-0.66	7.35	-0.66	7.35	-0.02	0.00	-0.02	0.00	-0.30	0.00
176.81	176.81	0.00	17.23	0.00	17.23	-0.06	0.24	-0.06	0.24	-1.12	3.65	-1.12	3.65	-0.04	0.00	-0.04	0.00	-0.54	0.00
178.47	178.47	0.00	17.23	0.00	17.23	-0.04	0.18	-0.04	0.18	-0.69	2.74	-0.69	2.74	-0.02	0.00	-0.02	0.00	-0.33	0.00
142.65	142.65	0.00	17.23	0.00	17.23	-0.06	0.24	-0.06	0.24	-1.18	3.62	-1.18	3.62	-0.04	0.00	-0.04	0.00	-0.57	0.00
804.23	804.23	0.00	55.19	0.00	55.19	-0.03	0.46	-0.03	0.46	-0.51	6.91	-0.51	6.91	-0.02	0.00	-0.02	0.00	-0.24	0.00
925.61	925.61	0.00	55.19	0.00	55.19	-0.02	0.49	-0.02	0.49	-0.34	7.35	-0.34	7.35	-0.01	0.00	-0.01	0.00	-0.16	0.00
671.36	671.36	0.00	157.18	0.00	157.18	-0.03	0.46	-0.03	0.46	-0.61	6.91	-0.61	6.91	-0.02	0.00	-0.02	0.00	-0.28	0.00
157.40	157.40	0.00	157.18	0.00	157.18	-0.02	0.20	-0.02	0.20	-0.44	3.03	-0.44	3.03	-0.01	0.00	-0.01	0.00	-0.21	0.00
145.95	145.95	0.00	157.18	0.00	157.18	-0.03	0.20	-0.03	0.20	-0.45	3.03	-0.45	3.03	-0.01	0.00	-0.01	0.00	-0.21	0.00
167.60	167.60	0.00	157.18	0.00	157.18	-0.02	0.20	-0.02	0.20	-0.43	3.06	-0.43	3.06	-0.01	0.00	-0.01	0.00	-0.20	0.00
156.04	156.04	0.00	157.18	0.00	157.18	-0.02	0.20	-0.02	0.20	-0.44	3.06	-0.44	3.06	-0.01	0.00	-0.01	0.00	-0.20	0.00
203.91	203.91	0.00	17.23	0.00	17.23	-0.03	0.21	-0.03	0.21	-0.78	3.14	-0.78	3.14	-0.02	0.00	-0.02	0.00	-0.37	0.00
177.95	177.95	0.00	17.23	0.00	17.23	-0.05	0.24	-0.05	0.24	-1.08	3.65	-1.08	3.65	-0.03	0.00	-0.03	0.00	-0.52	0.00
199.21	199.21	0.00	17.23	0.00	17.23	-0.02	0.18	-0.02	0.18	-0.61	2.73	-0.61	2.73	-0.01	0.00	-0.01	0.00	-0.29	0.00
-10.86	-10.86	0.00	48.89	0.00	48.89	-0.30	0.85	-0.30	0.85	-3.47	8.54	-3.47	8.54	-0.17	0.00	-0.17	0.00	-1.74	0.00
-13.40	-13.40	0.00	48.89	0.00	48.89	-0.29	0.83	-0.29	0.83	-3.38	8.31	-3.38	8.31	-0.17	0.00	-0.17	0.00	-1.70	0.00
-246.63	-246.63	0.00	48.89	0.00	48.89	-0.40	1.01	-0.40	1.01	-4.72	10.12	-4.72	10.12	-0.24	0.00	-0.24	0.00	-2.37	0.00
-198.00	-198.00	0.00	48.89	0.00	48.89	-0.38	0.98	-0.38	0.98	-4.47	9.83	-4.47	9.83	-0.22	0.00	-0.22	0.00	-2.25	0.00
-10.86	-10.86	0.00	48.89	0.00	48.89	-0.30	0.85	-0.30	0.85	-3.47	8.54	-3.47	8.54	-0.17	0.00	-0.17	0.00	-1.74	0.00
-13.40	-13.40	0.00	48.89	0.00	48.89	-0.29	0.83	-0.29	0.83	-3.38	8.31	-3.38	8.31	-0.17	0.00	-0.17	0.00	-1.70	0.00
-246.63	-246.63	0.00	48.89	0.00	48.89	-0.40	1.01	-0.40	1.01	-4.72	10.12	-4.72	10.12	-0.24	0.00	-0.24	0.00	-2.37	0.00
-198.00	-198.00	0.00	48.89	0.00	48.89	-0.38	0.98	-0.38	0.98	-4.47	9.83	-4.47	9.83	-0.22	0.00	-0.22	0.00	-2.25	0.00
86.66	86.66	0.00	48.89	0.00	48.89	-0.28	0.85	-0.28	0.85	-3.23	8.54	-3.23	8.54	-0.16	0.00	-0.16	0.00	-1.62	0.00
84.12	84.12	0.00	48.89	0.00	48.89	-0.27	0.83	-0.27	0.83	-3.13	8.31	-3.13	8.31	-0.16	0.00	-0.16	0.00	-1.58	0.00
-112.53	-112.53	0.00	48.89	0.00	48.89	-0.38	1.01	-0.38	1.01	-4.38	10.12	-4.38	10.12	-0.22	0.00	-0.22	0.00	-2.20	0.00
-76.10	-76.10	0.00	48.89	0.00	48.89	-0.36	0.98	-0.36	0.98	-4.17	9.83	-4.17	9.83	-0.21	0.00	-0.21	0.00	-2.10	0.00
86.66	86.66	0.00	48.89	0.00	48.89	-0.28	0.85	-0.28	0.85	-3.23	8.54	-3.23	8.54	-0.16	0.00	-0.16	0.00	-1.62	0.00
84.12	84.12	0.00	48.89	0.00	48.89	-0.27	0.83	-0.27	0.83	-3.13	8.31	-3.13	8.31	-0.16	0.00	-0.16	0.00	-1.58	0.00
-112.53	-112.53	0.00	48.89	0.00	48.89	-0.38	1.01	-0.38	1.01	-4.38	10.12	-4.38	10.12	-0.22	0.00	-0.22	0.00	-2.20	0.00
-76.10	-76.10	0.00	48.89	0.00	48.89	-0.36	0.98	-0.36	0.98	-4.17	9.83	-4.17	9.83	-0.21	0.00	-0.21	0.00	-2.10	0.00
-461.28	-461.28	0.00	48.89	0.00	48.89	-0.29	0.56	-0.29	0.56	-3.38	5.63	-3.38	5.63	-0.17	0.00	-0.17	0.00	-1.70	0.00
126.96	126.96	0.00	17.23	0.00	17.23	-0.07	0.24	-0.07	0.24	-1.24	3.62	-1.24	3.62	-0.04	0.00	-0.04	0.00	-0.59	0.00
112.77	112.77	0.00	17.23	0.00	17.23	-0.07	0.24	-0.07	0.24	-1.27	3.62	-1.27	3.62	-0.04	0.00	-0.04	0.00	-0.59	0.00
175.20	175.20	0.00	17.23	0.00	17.23	-0.05	0.21	-0.05	0.21	-0.87	3.14	-0.87	3.14	-0.03	0.00	-0.03	0.00	-0.41	0.00
163.04	163.04	0.00	17.23	0.00	17.23	-0.05	0.21	-0.05	0.21	-0.89	3.14	-0.89	3.14	-0.03	0.00	-0.03	0.00	-0.41	0.00
161.79	161.79	0.00	17.23	0.00	17.23	-0.06	0.24	-0.06	0.24	-1.14	3.65	-1.14	3.65	-0.04	0.00	-0.04	0.00	-0.54	0.00
147.56	147.56	0.00	17.23	0.00	17.23	-0.06	0.24	-0.06	0.24	-1.17	3.65	-1.17	3.65	-0.04	0.00	-0.04	0.00	-0.54	0.00
167.32	167.32	0.00	17.23	0.00	17.23	-0.04	0.18	-0.04	0.18	-0.71	2.74	-0.71	2.74	-0.02	0.00	-0.02	0.00	-0.33	0.00
156.76	156.76	0.00	17.23	0.00	17.23	-0.04	0.18	-0.04	0.18	-0.72	2.74	-0.72	2.74	-0.02	0.00	-0.02	0.00	-0.33	0.00
128.63	128.63	0.00	17.23	0.00	17.23	-0.06	0.24	-0.06	0.24	-1.20	3.62	-1.20	3.62	-0.04	0.00	-0.04	0.00	-0.57	0.00



MarkEffectPlusExcessIncPV	GrossParticipantCostPV	GrossParticipantCostAdjustPV	NetParticipantCostPV	NetParticipantCostAdjustedPV	WtdAdminCostsOverheadAndGA	WtdAdminCostsOther	WtdMarketingOutreach	WtdDIActivity	WtdDIInstallation	WtdDIHardwareAndMaterials	WtdDIRebateAndInspection	WtdEMV	WtdUserIncentive	WtdCostsRecoveredFromOtherSources	ProgramCosts	TotalExpnditures	DiscountedSavingsGrosskWh	DiscountedSavingsNetkWh
0.00	360.53	360.53	360.53	360.53	92.90	0.00	108.25	603.76	0.00	0.00	0.00	12.22	201.08	0.00	1018.20	1018.20	20748.73	20748.73
0.00	360.53	360.53	360.53	360.53	98.92	0.00	115.27	642.88	0.00	0.00	0.00	13.01	214.11	0.00	1084.18	1084.18	22473.76	22473.76
0.00	360.53	360.53	360.53	360.53	40.72	0.00	47.45	264.67	0.00	0.00	0.00	5.36	88.15	0.00	446.35	446.35	8875.53	8875.53
0.00	360.53	360.53	360.53	360.53	41.20	0.00	48.00	267.74	0.00	0.00	0.00	5.42	89.17	0.00	451.53	451.53	9359.62	9359.62
0.00	901.56	901.56	901.56	901.56	92.90	0.00	108.25	603.76	0.00	0.00	0.00	12.22	201.08	0.00	1018.20	1018.20	20569.86	20569.86
0.00	901.56	901.56	901.56	901.56	98.92	0.00	115.27	642.88	0.00	0.00	0.00	13.01	214.11	0.00	1084.18	1084.18	21891.94	21891.94
0.00	835.77	835.77	835.77	835.77	100.52	0.00	117.14	653.31	0.00	0.00	0.00	13.22	217.58	0.00	1101.77	1101.77	20294.31	20294.31
0.00	901.56	901.56	901.56	901.56	40.72	0.00	47.45	264.67	0.00	0.00	0.00	5.36	88.15	0.00	446.35	446.35	8669.35	8669.35
0.00	901.56	901.56	901.56	901.56	41.20	0.00	48.00	267.74	0.00	0.00	0.00	5.42	89.17	0.00	451.53	451.53	8807.93	8807.93
0.00	253.36	253.36	253.36	253.36	48.75	0.00	56.81	316.84	0.00	0.00	0.00	6.41	105.52	0.00	534.33	534.33	9029.36	9029.36
0.00	253.36	253.36	253.36	253.36	42.26	0.00	49.24	274.64	0.00	0.00	0.00	5.56	91.47	0.00	463.17	463.17	8218.30	8218.30
0.00	334.22	334.22	334.22	334.22	94.40	0.00	110.01	613.55	0.00	0.00	0.00	12.42	204.34	0.00	1034.72	1034.72	19234.53	19234.53
0.00	334.22	334.22	334.22	334.22	100.52	0.00	117.14	653.31	0.00	0.00	0.00	13.22	217.58	0.00	1101.77	1101.77	20833.67	20833.67
0.00	334.22	334.22	334.22	334.22	41.38	0.00	48.22	268.96	0.00	0.00	0.00	5.44	89.58	0.00	453.59	453.59	8227.81	8227.81
0.00	309.83	309.83	309.83	309.83	37.22	0.00	43.37	241.90	0.00	0.00	0.00	4.90	80.56	0.00	407.95	407.95	7627.37	7627.37
0.00	334.22	334.22	334.22	334.22	41.86	0.00	48.78	272.08	0.00	0.00	0.00	5.51	90.62	0.00	458.85	458.85	8676.58	8676.58
0.00	309.83	309.83	309.83	309.83	37.65	0.00	43.87	244.70	0.00	0.00	0.00	4.95	81.50	0.00	412.68	412.68	8043.38	8043.38
0.00	835.77	835.77	835.77	835.77	94.40	0.00	110.01	613.55	0.00	0.00	0.00	12.42	204.34	0.00	1034.72	1034.72	19068.71	19068.71
0.00	774.77	774.77	774.77	774.77	90.41	0.00	105.35	587.57	0.00	0.00	0.00	11.89	195.69	0.00	990.90	990.90	18813.28	18813.28
0.00	253.36	253.36	253.36	253.36	49.10	0.00	57.22	319.14	0.00	0.00	0.00	6.46	106.29	0.00	538.21	538.21	9290.99	9290.99
0.00	253.36	253.36	253.36	253.36	36.83	0.00	42.92	239.35	0.00	0.00	0.00	4.84	79.72	0.00	403.66	403.66	7260.09	7260.09
0.00	603.57	603.57	603.57	603.57	47.68	0.00	55.57	309.91	0.00	0.00	0.00	6.27	103.21	0.00	522.65	522.65	14291.52	9125.11
0.00	309.83	309.83	309.83	309.83	84.90	0.00	98.94	551.81	0.00	0.00	0.00	11.17	183.78	0.00	930.59	930.59	17830.84	17830.84
0.00	309.83	309.83	309.83	309.83	90.41	0.00	105.35	587.57	0.00	0.00	0.00	11.89	195.69	0.00	990.90	990.90	19313.27	19313.27
0.00	774.77	774.77	774.77	774.77	84.90	0.00	98.94	551.81	0.00	0.00	0.00	11.17	183.78	0.00	930.59	930.59	17677.12	17677.12
0.00	835.77	835.77	835.77	835.77	41.38	0.00	48.22	268.96	0.00	0.00	0.00	5.44	89.58	0.00	453.59	453.59	8036.68	8036.68
0.00	774.77	774.77	774.77	774.77	37.22	0.00	43.37	241.90	0.00	0.00	0.00	4.90	80.56	0.00	407.95	407.95	7450.18	7450.18
0.00	835.77	835.77	835.77	835.77	41.86	0.00	48.78	272.08	0.00	0.00	0.00	5.51	90.62	0.00	458.85	458.85	8165.15	8165.15
0.00	774.77	774.77	774.77	774.77	37.65	0.00	43.87	244.70	0.00	0.00	0.00	4.95	81.50	0.00	412.68	412.68	7569.27	7569.27
0.00	603.57	603.57	603.57	603.57	41.33	0.00	48.16	268.60	0.00	0.00	0.00	5.44	89.46	0.00	452.98	452.98	12918.99	8426.84
0.00	603.57	603.57	603.57	603.57	48.03	0.00	55.97	312.17	0.00	0.00	0.00	6.32	103.97	0.00	526.45	526.45	14601.91	9391.08
0.00	603.57	603.57	603.57	603.57	36.01	0.00	41.96	234.05	0.00	0.00	0.00	4.74	77.95	0.00	394.71	394.71	11416.51	7498.13
0.00	868.37	868.37	868.37	868.37	123.10	0.00	143.44	800.03	0.00	0.00	0.00	16.19	266.45	0.00	1349.20	1349.20	36750.67	23027.82
0.00	868.37	868.37	868.37	868.37	119.72	0.00	139.51	778.11	0.00	0.00	0.00	15.75	259.15	0.00	1312.24	1312.24	35734.16	22387.87
0.00	868.37	868.37	868.37	868.37	145.86	0.00	169.97	947.98	0.00	0.00	0.00	19.18	315.72	0.00	1598.71	1598.71	41989.99	25824.65
0.00	868.37	868.37	868.37	868.37	141.64	0.00	165.06	920.58	0.00	0.00	0.00	18.63	306.60	0.00	1552.51	1552.51	41051.59	25336.62
0.00	602.50	602.50	602.50	602.50	123.10	0.00	143.44	800.03	0.00	0.00	0.00	16.19	266.45	0.00	1349.20	1349.20	23027.80	23027.80
0.00	602.50	602.50	602.50	602.50	119.72	0.00	139.51	778.11	0.00	0.00	0.00	15.75	259.15	0.00	1312.24	1312.24	22387.86	22387.86
0.00	602.50	602.50	602.50	602.50	145.86	0.00	169.97	947.98	0.00	0.00	0.00	19.18	315.72	0.00	1598.71	1598.71	25824.64	25824.64
0.00	602.50	602.50	602.50	602.50	141.64	0.00	165.06	920.58	0.00	0.00	0.00	18.63	306.60	0.00	1552.51	1552.51	25336.60	25336.60
0.00	902.17	902.17	902.17	902.17	123.10	0.00	143.44	800.03	0.00	0.00	0.00	16.19	266.45	0.00	1349.20	1349.20	37376.06	23614.93
0.00	902.17	902.17	902.17	902.17	119.72	0.00	139.51	778.11	0.00	0.00	0.00	15.75	259.15	0.00	1312.24	1312.24	36359.55	22974.98
0.00	902.17	902.17	902.17	902.17	145.86	0.00	169.97	947.98	0.00	0.00	0.00	19.18	315.72	0.00	1598.71	1598.71	42849.89	26631.92
0.00	902.17	902.17	902.17	902.17	141.64	0.00	165.06	920.58	0.00	0.00	0.00	18.63	306.60	0.00	1552.51	1552.51	41833.32	26070.50
0.00	636.30	636.30	636.30	636.30	123.10	0.00	143.44	800.03	0.00	0.00	0.00	16.19	266.45	0.00	1349.20	1349.20	23614.91	23614.91
0.00	636.30	636.30	636.30	636.30	119.72	0.00	139.51	778.11	0.00	0.00	0.00	15.75	259.15	0.00	1312.24	1312.24	22974.96	22974.96
0.00	636.30	636.30	636.30	636.30	145.86	0.00	169.97	947.98	0.00	0.00	0.00	19.18	315.72	0.00	1598.71	1598.71	26631.91	26631.91
0.00	636.30	636.30	636.30	636.30	141.64	0.00	165.06	920.58	0.00	0.00	0.00	18.63	306.60	0.00	1552.51	1552.51	26070.49	26070.49
0.00	828.30	828.30	828.30	828.30	81.11	0.00	94.51	527.14	0.00	0.00	0.00	10.67	175.56	0.00	888.99	888.99	27413.99	12539.57
0.00	234.87	234.87	234.87	234.87	49.54	0.00	57.73	321.98	0.00	0.00	0.00	6.52	107.23	0.00	543.00	543.00	8370.42	8370.42
0.00	217.73	217.73	217.73	217.73	44.56	0.00	51.92	289.58	0.00	0.00	0.00	5.86	96.44	0.00	488.35	488.35	7759.56	7759.56
0.00	234.87	234.87	234.87	234.87	42.94	0.00	50.04	279.10	0.00	0.00	0.00	5.65	92.95	0.00	470.69	470.69	7618.55	7618.55
0.00	217.73	217.73	217.73	217.73	38.62	0.00	45.01	251.01	0.00	0.00	0.00	5.08	83.60	0.00	423.32	423.32	7062.56	7062.56
0.00	234.87	234.87	234.87	234.87	49.90	0.00	58.15	324.32	0.00	0.00	0.00	6.56	108.01	0.00	546.94	546.94	8612.95	8612.95
0.00	217.73	217.73	217.73	217.73	44.88	0.00	52.30	291.68	0.00	0.00	0.00	5.90	97.14	0.00	491.90	491.90	7984.40	7984.40
0.00	234.87	234.87	234.87	234.87	37.43	0.00	43.61	243.24	0.00	0.00	0.00	4.92	81.01	0.00	410.21	410.21	6730.27	6730.27
0.00	217.73	217.73	217.73	217.73	33.66	0.00	39.22	218.76	0.00	0.00	0.00	4.43	72.86	0.00	368.93	368.93	6239.11	6239.11
0.00	559.53	559.53	559.53	559.53	48.47	0.00	56.49	315.04	0.00	0.00	0.00	6.38	104.92	0.00	531.30	531.30	13248.55	8459.18

Discounted Savings Gross	Discounted Savings Net	TRNet	Lifeyc leNet	Lifeyc PACNet	LevBen Elec	LevBen Gas	LevTRC Cost	LevTRC CostNo Admin	LevPAC Cost	LevPAC CostNo Admin	LevRI MCost	LevNet BenTR CElec	LevNet BenTR oAdmin	LevNet BenPA CElec	LevNet BenPA oAdmin	LevNet CGas BenTR	LevNet CGas oAdmin	LevNet CGas BenPA	LevNet CGas oAdmin	LevNet MElec	LevNet MGas
0.00	0.00	-521.55	-161.02	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	0.67	-0.22	1.16	0.00	-0.22
0.00	0.00	-463.00	-102.47	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.59	0.79	-0.13	1.24	0.00	-0.13
0.00	0.00	-499.96	-139.43	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.54	-0.17	-0.43	0.94	0.00	-0.43
0.00	0.00	-435.41	-74.88	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.33	0.05	-0.23	1.15	0.00	-0.23
0.00	0.00	-1195.32	-293.76	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.61	-0.24	-0.40	0.98	0.00	-0.40
0.00	0.00	-1206.05	-304.49	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.53	-0.15	-0.39	0.99	0.00	-0.39
0.00	0.00	-1108.58	-272.82	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.52	-0.12	-0.37	1.03	0.00	-0.37
0.00	0.00	-1178.43	-276.87	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.63	-2.25	-0.85	0.52	0.00	-0.85
0.00	0.00	-1173.27	-271.71	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.57	-2.20	-0.83	0.55	0.00	-0.83
0.00	0.00	-645.74	-392.38	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.66	-0.29	-1.01	0.37	0.00	-1.01
0.00	0.00	-528.49	-275.13	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.57	-0.19	-0.82	0.56	0.00	-0.82
0.00	0.00	-465.42	-131.20	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.68	0.72	-0.19	1.21	0.00	-0.19
0.00	0.00	-404.80	-70.58	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.55	0.85	-0.10	1.30	0.00	-0.10
0.00	0.00	-460.67	-126.45	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.53	-0.13	-0.42	0.98	0.00	-0.42
0.00	0.00	-378.31	-68.48	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.36	-0.09	-0.25	1.02	0.00	-0.25
0.00	0.00	-395.81	-61.59	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.30	0.10	-0.20	1.20	0.00	-0.20
0.00	0.00	-312.65	-2.82	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.11	0.15	-0.01	1.25	0.00	-0.01
0.00	0.00	-1099.78	-264.01	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.60	-0.20	-0.38	1.02	0.00	-0.38
0.00	0.00	-906.68	-131.90	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.34	-0.08	-0.19	1.07	0.00	-0.19
0.00	0.00	-614.76	-361.40	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.57	-0.20	-0.92	0.45	0.00	-0.92
0.00	0.00	-478.55	-225.19	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.63	-0.25	-0.77	0.61	0.00	-0.77
0.00	0.00	-983.57	-380.00	0.00	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.53	-1.19	-0.98	0.37	0.00	-0.98
0.00	0.00	-308.63	1.20	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.48	0.78	0.00	1.26	0.00	0.00
0.00	0.00	-239.28	70.54	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.35	0.91	0.10	1.37	0.00	0.10
0.00	0.00	-906.45	-131.67	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.42	-0.16	-0.21	1.05	0.00	-0.21
0.00	0.00	-1099.73	-263.96	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.65	-2.25	-0.88	0.52	0.00	-0.88
0.00	0.00	-980.85	-206.07	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.51	-2.25	-0.74	0.52	0.00	-0.74
0.00	0.00	-1094.41	-258.64	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.59	-2.19	-0.85	0.55	0.00	-0.85
0.00	0.00	-974.84	-200.07	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.45	-2.19	-0.71	0.55	0.00	-0.71
0.00	0.00	-852.65	-249.08	0.00	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.53	-1.19	-0.74	0.61	0.00	-0.74
0.00	0.00	-952.08	-348.50	0.00	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.43	-1.09	-0.89	0.45	0.00	-0.89
0.00	0.00	-799.08	-195.50	0.00	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.72	-1.38	-0.67	0.68	0.00	-0.67
0.00	0.00	-2228.42	-1360.06	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.08	-0.82	-1.27	-0.01	0.00	-1.27
0.00	0.00	-2194.01	-1325.64	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.11	-0.85	-1.27	-0.01	0.00	-1.27
0.00	0.00	-2713.71	-1845.34	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.14	-0.88	-1.45	-0.19	0.00	-1.45
0.00	0.00	-2618.87	-1750.51	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.12	-0.86	-1.42	-0.16	0.00	-1.42
0.00	0.00	-1962.56	-1360.06	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.83	-0.57	-1.27	-0.01	0.00	-1.27
0.00	0.00	-1928.14	-1325.64	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.85	-0.59	-1.27	-0.01	0.00	-1.27
0.00	0.00	-2447.84	-1845.34	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.93	-0.67	-1.45	-0.19	0.00	-1.45
0.00	0.00	-2353.01	-1750.51	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.91	-0.65	-1.42	-0.16	0.00	-1.42
0.00	0.00	-2164.70	-1262.54	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.02	-0.76	-1.18	0.08	0.00	-1.18
0.00	0.00	-2130.28	-1228.12	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.04	-0.78	-1.18	0.08	0.00	-1.18
0.00	0.00	-2613.41	-1711.25	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.06	-0.80	-1.35	-0.09	0.00	-1.35
0.00	0.00	-2530.77	-1628.60	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.05	-0.79	-1.32	-0.06	0.00	-1.32
0.00	0.00	-1898.84	-1262.54	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.77	-0.51	-1.18	0.08	0.00	-1.18
0.00	0.00	-1864.42	-1228.12	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.79	-0.53	-1.18	0.08	0.00	-1.18
0.00	0.00	-2347.55	-1711.25	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.85	-0.59	-1.35	-0.09	0.00	-1.35
0.00	0.00	-2264.90	-1628.60	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.84	-0.58	-1.32	-0.06	0.00	-1.32
0.00	0.00	-2178.57	-1350.27	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.09	-1.83	-1.91	-0.65	0.00	-1.91
0.00	0.00	-612.32	-377.45	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.70	-0.30	-1.05	0.35	0.00	-1.05
0.00	0.00	-526.37	-308.64	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.58	-0.31	-0.92	0.34	0.00	-0.92
0.00	0.00	-496.91	-262.04	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.59	-0.19	-0.84	0.56	0.00	-0.84
0.00	0.00	-419.98	-202.25	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.45	-0.19	-0.70	0.56	0.00	-0.70
0.00	0.00	-581.16	-346.29	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.60	-0.20	-0.95	0.45	0.00	-0.95
0.00	0.00	-494.64	-276.91	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.47	-0.21	-0.82	0.44	0.00	-0.82
0.00	0.00	-448.61	-213.74	0.00	1.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.65	-0.25	-0.78	0.61	0.00	-0.78
0.00	0.00	-379.33	-161.60	0.00	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.50	-0.24	-0.64	0.62	0.00	-0.64
0.00	0.00	-924.44	-364.91	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.57	-1.20	-1.01	0.36	0.00</	





First-Year Cost-Effectiveness Outputs 6.21.22

14496.70	0.00	14496.70	0.00	981.16	0.00	0.00	981.16	0.00	0.00	981.16	0.00	0.00	0.00	526.62	0.00	526.62	1342.39
13334.45	0.00	13334.45	0.00	921.01	0.00	0.00	921.01	0.00	0.00	921.01	0.00	0.00	0.00	467.56	0.00	467.56	1262.37
13334.45	0.00	13334.45	0.00	921.01	0.00	0.00	921.01	0.00	0.00	921.01	0.00	0.00	0.00	456.43	0.00	456.43	1150.90
14918.55	0.00	14918.55	0.00	1009.95	0.00	0.00	1009.95	0.00	0.00	1009.95	0.00	0.00	0.00	543.39	0.00	543.39	1436.14
19367.00	0.00	19367.00	0.00	1936.70	0.00	0.00	1936.70	0.00	0.00	1936.70	0.00	0.00	0.00	1163.69	0.00	1163.69	3866.38
19288.00	0.00	19288.00	0.00	1928.80	0.00	0.00	1928.80	0.00	0.00	1928.80	0.00	0.00	0.00	1134.36	0.00	1134.36	3741.13
17548.40	0.00	17548.40	0.00	1754.84	0.00	0.00	1754.84	0.00	0.00	1754.84	0.00	0.00	0.00	966.16	0.00	966.16	2608.17
17086.60	0.00	17086.60	0.00	1708.66	0.00	0.00	1708.66	0.00	0.00	1708.66	0.00	0.00	0.00	940.73	0.00	940.73	2547.58
19367.00	0.00	19367.00	0.00	1936.70	0.00	0.00	1936.70	0.00	0.00	1936.70	0.00	0.00	0.00	1163.69	0.00	1163.69	3294.65
14918.55	0.00	14918.55	0.00	1009.95	0.00	0.00	1009.95	0.00	0.00	1009.95	0.00	0.00	0.00	530.45	0.00	530.45	1313.95
11841.75	0.00	11841.75	0.00	826.03	0.00	0.00	826.03	0.00	0.00	826.03	0.00	0.00	0.00	407.42	0.00	407.42	1150.13
11841.75	0.00	11841.75	0.00	826.03	0.00	0.00	826.03	0.00	0.00	826.03	0.00	0.00	0.00	397.71	0.00	397.71	1047.45
31378.00	0.00	31378.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	0.00	1369.05	0.00	1369.05	3448.19
30506.00	0.00	30506.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	0.00	1331.54	0.00	1331.54	3377.39
35189.00	0.00	35189.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	0.00	1622.23	0.00	1622.23	4178.39
34524.00	0.00	34524.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	0.00	1575.35	0.00	1575.35	4038.22
31378.00	0.00	31378.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	0.00	1369.05	0.00	1369.05	3215.34
30506.00	0.00	30506.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	0.00	1331.54	0.00	1331.54	3144.55
35189.00	0.00	35189.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	0.00	1622.23	0.00	1622.23	3945.55
34524.00	0.00	34524.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	0.00	1575.35	0.00	1575.35	3805.37
32178.00	0.00	32178.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	0.00	1369.05	0.00	1369.05	3380.51
31306.00	0.00	31306.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	0.00	1331.54	0.00	1331.54	3309.71
36289.00	0.00	36289.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	0.00	1622.23	0.00	1622.23	4074.23
35524.00	0.00	35524.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	0.00	1575.35	0.00	1575.35	3946.21
32178.00	0.00	32178.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	0.00	1369.05	0.00	1369.05	3147.66
31306.00	0.00	31306.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	0.00	1331.54	0.00	1331.54	3076.87
36289.00	0.00	36289.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	0.00	1622.23	0.00	1622.23	3841.38
35524.00	0.00	35524.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	0.00	1575.35	0.00	1575.35	3713.37
17548.40	0.00	17548.40	0.00	1754.84	0.00	0.00	1754.84	0.00	0.00	1754.84	0.00	0.00	0.00	966.16	0.00	966.16	3179.91
17548.40	0.00	17548.40	0.00	1754.84	0.00	0.00	1754.84	0.00	0.00	1754.84	0.00	0.00	0.00	926.45	0.00	926.45	3008.19
17086.60	0.00	17086.60	0.00	1708.66	0.00	0.00	1708.66	0.00	0.00	1708.66	0.00	0.00	0.00	902.07	0.00	902.07	2949.40
19367.00	0.00	19367.00	0.00	1936.70	0.00	0.00	1936.70	0.00	0.00	1936.70	0.00	0.00	0.00	1115.87	0.00	1115.87	3680.05
19288.00	0.00	19288.00	0.00	1928.80	0.00	0.00	1928.80	0.00	0.00	1928.80	0.00	0.00	0.00	1087.74	0.00	1087.74	3557.03
17548.40	0.00	17548.40	0.00	1754.84	0.00	0.00	1754.84	0.00	0.00	1754.84	0.00	0.00	0.00	926.45	0.00	926.45	2507.46
17086.60	0.00	17086.60	0.00	1708.66	0.00	0.00	1708.66	0.00	0.00	1708.66	0.00	0.00	0.00	902.07	0.00	902.07	2448.67
19367.00	0.00	19367.00	0.00	1936.70	0.00	0.00	1936.70	0.00	0.00	1936.70	0.00	0.00	0.00	1115.87	0.00	1115.87	3179.33
19288.00	0.00	19288.00	0.00	1928.80	0.00	0.00	1928.80	0.00	0.00	1928.80	0.00	0.00	0.00	1134.36	0.00	1134.36	3169.40
19288.00	0.00	19288.00	0.00	1928.80	0.00	0.00	1928.80	0.00	0.00	1928.80	0.00	0.00	0.00	1087.74	0.00	1087.74	3056.31
18348.40	0.00	18348.40	0.00	1834.84	0.00	0.00	1834.84	0.00	0.00	1834.84	0.00	0.00	0.00	966.16	0.00	966.16	3116.18
18348.40	0.00	18348.40	0.00	1834.84	0.00	0.00	1834.84	0.00	0.00	1834.84	0.00	0.00	0.00	926.45	0.00	926.45	2940.51
17886.60	0.00	17886.60	0.00	1788.66	0.00	0.00	1788.66	0.00	0.00	1788.66	0.00	0.00	0.00	940.73	0.00	940.73	3055.59
17886.60	0.00	17886.60	0.00	1788.66	0.00	0.00	1788.66	0.00	0.00	1788.66	0.00	0.00	0.00	902.07	0.00	902.07	2881.72
20467.00	0.00	20467.00	0.00	2046.70	0.00	0.00	2046.70	0.00	0.00	2046.70	0.00	0.00	0.00	1163.69	0.00	1163.69	3766.08
20467.00	0.00	20467.00	0.00	2046.70	0.00	0.00	2046.70	0.00	0.00	2046.70	0.00	0.00	0.00	1115.87	0.00	1115.87	3575.89
20288.00	0.00	20288.00	0.00	2028.80	0.00	0.00	2028.80	0.00	0.00	2028.80	0.00	0.00	0.00	1134.36	0.00	1134.36	3653.03
20288.00	0.00	20288.00	0.00	2028.80	0.00	0.00	2028.80	0.00	0.00	2028.80	0.00	0.00	0.00	1087.74	0.00	1087.74	3465.03
18348.40	0.00	18348.40	0.00	1834.84	0.00	0.00	1834.84	0.00	0.00	1834.84	0.00	0.00	0.00	966.16	0.00	966.16	2544.45
17886.60	0.00	17886.60	0.00	1788.66	0.00	0.00	1788.66	0.00	0.00	1788.66	0.00	0.00	0.00	940.73	0.00	940.73	2483.85
20467.00	0.00	20467.00	0.00	2046.70	0.00	0.00	2046.70	0.00	0.00	2046.70	0.00	0.00	0.00	1163.69	0.00	1163.69	3194.35
20467.00	0.00	20467.00	0.00	2046.70	0.00	0.00	2046.70	0.00	0.00	2046.70	0.00	0.00	0.00	1115.87	0.00	1115.87	3075.17
31378.00	0.00	31378.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	0.00	1359.13	0.00	1359.13	3249.39
30506.00	0.00	30506.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	0.00	1321.89	0.00	1321.89	3183.66
35189.00	0.00	35189.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	0.00	1610.47	0.00	1610.47	3946.07
34524.00	0.00	34524.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	0.00	1563.93	0.00	1563.93	3812.09
31378.00	0.00	31378.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	3137.80	0.00	0.00	0.00	1359.13	0.00	1359.13	3020.92
30506.00	0.00	30506.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	3050.60	0.00	0.00	0.00	1321.89	0.00	1321.89	2955.18
35189.00	0.00	35189.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	3518.90	0.00	0.00	0.00	1610.47	0.00	1610.47	3717.59
34524.00	0.00	34524.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	3452.40	0.00	0.00	0.00	1563.93	0.00	1563.93	3583.61
32178.00	0.00	32178.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	3217.80	0.00	0.00	0.00	1359.13	0.00	1359.13	3180.92
31306.00	0.00	31306.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	3130.60	0.00	0.00	0.00	1321.89	0.00	1321.89	3115.18
36289.00	0.00	36289.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	3628.90	0.00	0.00	0.00	1610.47	0.00	1610.47	3841.02
35524.00	0.00	35524.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	3552.40	0.00	0.00	0.00	1563.93	0.00	1563.93	3719.23

First-Year Cost-Effectiveness Outputs 6.21.22

823.70	1342.39	929.91	411.21	0.39	0.64	0.57	1.28	0.00	0.00	823.70	0.00	0.00	478.01	393.98	0.00	393.98	0.00
702.84	1262.37	834.62	275.09	0.37	0.67	0.56	1.70	0.00	0.00	702.84	0.00	0.00	460.48	257.86	0.00	257.86	0.00
632.20	1150.90	793.39	274.70	0.40	0.72	0.58	1.66	0.00	0.00	632.20	0.00	0.00	414.29	257.47	0.00	257.47	0.00
876.61	1436.14	939.01	379.48	0.38	0.62	0.58	1.43	0.00	0.00	876.61	0.00	0.00	535.16	362.25	0.00	362.25	0.00
3038.08	3866.38	2766.69	1938.38	0.30	0.38	0.42	0.60	0.00	0.00	3038.08	0.00	0.00	1099.69	1889.49	0.00	1889.49	0.00
2912.83	3741.13	2669.16	1840.86	0.30	0.39	0.42	0.62	0.00	0.00	2912.83	0.00	0.00	1071.97	1791.97	0.00	1791.97	0.00
2351.60	2608.17	1695.15	1438.58	0.37	0.41	0.57	0.67	0.00	0.00	2351.60	0.00	0.00	913.02	1389.69	0.00	1389.69	0.00
2291.01	2547.58	1658.58	1402.01	0.37	0.41	0.57	0.67	0.00	0.00	2291.01	0.00	0.00	888.99	1353.12	0.00	1353.12	0.00
3038.08	3294.65	2194.95	1938.38	0.35	0.38	0.53	0.60	0.00	0.00	3038.08	0.00	0.00	1099.69	1889.49	0.00	1889.49	0.00
795.25	1313.95	898.46	379.76	0.40	0.67	0.59	1.40	0.00	0.00	795.25	0.00	0.00	481.49	362.53	0.00	362.53	0.00
590.60	1150.13	777.40	217.87	0.35	0.69	0.52	1.87	0.00	0.00	590.60	0.00	0.00	401.25	200.64	0.00	200.64	0.00
528.75	1047.45	735.93	217.24	0.38	0.75	0.54	1.83	0.00	0.00	528.75	0.00	0.00	361.00	200.01	0.00	200.01	0.00
2687.67	3448.19	2195.70	1435.18	0.40	0.51	0.62	0.95	0.00	0.00	2687.67	0.00	0.00	1348.31	1386.29	0.00	1386.29	0.00
2616.87	3377.39	2159.22	1398.70	0.39	0.51	0.62	0.95	0.00	0.00	2616.87	0.00	0.00	1311.37	1349.81	0.00	1349.81	0.00
3417.87	4178.39	2694.27	1933.75	0.39	0.47	0.60	0.84	0.00	0.00	3417.87	0.00	0.00	1597.66	1884.86	0.00	1884.86	0.00
3277.70	4038.22	2596.99	1836.47	0.39	0.48	0.61	0.86	0.00	0.00	3277.70	0.00	0.00	1551.48	1787.58	0.00	1787.58	0.00
2687.67	3215.34	1962.85	1435.18	0.43	0.51	0.70	0.95	0.00	0.00	2687.67	0.00	0.00	1348.31	1386.29	0.00	1386.29	0.00
2616.87	3144.55	1926.37	1398.70	0.42	0.51	0.69	0.95	0.00	0.00	2616.87	0.00	0.00	1311.37	1349.81	0.00	1349.81	0.00
3417.87	3945.55	2461.43	1933.75	0.41	0.47	0.66	0.84	0.00	0.00	3417.87	0.00	0.00	1597.66	1884.86	0.00	1884.86	0.00
3277.70	3805.37	2364.14	1836.47	0.41	0.48	0.67	0.86	0.00	0.00	3277.70	0.00	0.00	1551.48	1787.58	0.00	1787.58	0.00
2590.39	3380.51	2128.02	1337.89	0.40	0.53	0.64	1.02	0.00	0.00	2590.39	0.00	0.00	1348.31	1289.00	0.00	1289.00	0.00
2519.59	3309.71	2091.53	1301.41	0.40	0.53	0.64	1.02	0.00	0.00	2519.59	0.00	0.00	1311.37	1252.52	0.00	1252.52	0.00
3284.11	4074.23	2590.11	1799.99	0.40	0.49	0.63	0.90	0.00	0.00	3284.11	0.00	0.00	1597.66	1751.10	0.00	1751.10	0.00
3156.09	3946.21	2504.99	1714.87	0.40	0.50	0.63	0.92	0.00	0.00	3156.09	0.00	0.00	1551.48	1665.98	0.00	1665.98	0.00
2590.39	3147.66	1895.17	1337.89	0.43	0.53	0.72	1.02	0.00	0.00	2590.39	0.00	0.00	1348.31	1289.00	0.00	1289.00	0.00
2519.59	3076.87	1858.69	1301.41	0.43	0.53	0.72	1.02	0.00	0.00	2519.59	0.00	0.00	1311.37	1252.52	0.00	1252.52	0.00
3284.11	3841.38	2357.26	1799.99	0.42	0.49	0.69	0.90	0.00	0.00	3284.11	0.00	0.00	1597.66	1751.10	0.00	1751.10	0.00
3156.09	3713.37	2272.14	1714.87	0.42	0.50	0.69	0.92	0.00	0.00	3156.09	0.00	0.00	1551.48	1665.98	0.00	1665.98	0.00
2351.60	3179.91	2266.88	1438.58	0.30	0.41	0.43	0.67	0.00	0.00	2351.60	0.00	0.00	913.02	1389.69	0.00	1389.69	0.00
2282.76	3008.19	2160.61	1435.18	0.31	0.41	0.43	0.65	0.00	0.00	2282.76	0.00	0.00	912.42	1386.29	0.00	1386.29	0.00
2223.97	2949.40	2124.13	1398.70	0.31	0.41	0.42	0.64	0.00	0.00	2223.97	0.00	0.00	888.41	1349.81	0.00	1349.81	0.00
2954.62	3680.05	2659.19	1933.75	0.30	0.38	0.42	0.58	0.00	0.00	2954.62	0.00	0.00	1098.97	1884.86	0.00	1884.86	0.00
2831.60	3557.03	2561.90	1836.47	0.31	0.38	0.42	0.59	0.00	0.00	2831.60	0.00	0.00	1071.26	1787.58	0.00	1787.58	0.00
2282.76	2507.46	1659.88	1435.18	0.37	0.41	0.56	0.65	0.00	0.00	2282.76	0.00	0.00	912.42	1386.29	0.00	1386.29	0.00
2223.97	2448.67	1623.40	1398.70	0.37	0.41	0.56	0.64	0.00	0.00	2223.97	0.00	0.00	888.41	1349.81	0.00	1349.81	0.00
2954.62	3179.33	2158.46	1933.75	0.35	0.38	0.52	0.58	0.00	0.00	2954.62	0.00	0.00	1098.97	1884.86	0.00	1884.86	0.00
2912.83	3169.40	2097.43	1840.86	0.36	0.39	0.54	0.62	0.00	0.00	2912.83	0.00	0.00	1071.97	1791.97	0.00	1791.97	0.00
2831.60	3056.31	2061.18	1836.47	0.36	0.38	0.53	0.59	0.00	0.00	2831.60	0.00	0.00	1071.26	1787.58	0.00	1787.58	0.00
2254.08	3116.18	2203.16	1341.06	0.31	0.43	0.44	0.72	0.00	0.00	2254.08	0.00	0.00	913.02	1292.17	0.00	1292.17	0.00
2185.47	2940.51	2092.93	1337.89	0.32	0.42	0.44	0.69	0.00	0.00	2185.47	0.00	0.00	912.42	1289.00	0.00	1289.00	0.00
2193.48	3055.59	2166.59	1304.49	0.31	0.43	0.43	0.72	0.00	0.00	2193.48	0.00	0.00	888.99	1255.60	0.00	1255.60	0.00
2126.69	2881.72	2056.45	1301.41	0.31	0.42	0.44	0.69	0.00	0.00	2126.69	0.00	0.00	888.41	1252.52	0.00	1252.52	0.00
2903.98	3766.08	2666.39	1804.29	0.31	0.40	0.44	0.64	0.00	0.00	2903.98	0.00	0.00	1099.69	1755.40	0.00	1755.40	0.00
2820.86	3575.89	2555.02	1799.99	0.31	0.40	0.44	0.62	0.00	0.00	2820.86	0.00	0.00	1098.97	1751.10	0.00	1751.10	0.00
2790.93	3653.03	2581.06	1718.96	0.31	0.41	0.44	0.66	0.00	0.00	2790.93	0.00	0.00	1071.97	1670.07	0.00	1670.07	0.00
2710.00	3465.03	2469.90	1714.87	0.31	0.40	0.44	0.63	0.00	0.00	2710.00	0.00	0.00	1071.26	1665.98	0.00	1665.98	0.00
2254.08	2544.45	1631.43	1341.06	0.38	0.43	0.59	0.72	0.00	0.00	2254.08	0.00	0.00	913.02	1292.17	0.00	1292.17	0.00
2193.48	2483.85	1594.86	1304.49	0.38	0.43	0.59	0.72	0.00	0.00	2193.48	0.00	0.00	888.99	1255.60	0.00	1255.60	0.00
2903.98	3194.35	2094.66	1804.29	0.36	0.40	0.56	0.64	0.00	0.00	2903.98	0.00	0.00	1099.69	1755.40	0.00	1755.40	0.00
2820.86	3075.17	2054.30	1799.99	0.36	0.40	0.54	0.62	0.00	0.00	2820.86	0.00	0.00	1098.97	1751.10	0.00	1751.10	0.00
2503.15	3249.39	2184.83	1438.58	0.42	0.54	0.62	0.94	0.00	0.00	2503.15	0.00	0.00	1233.67	1389.69	0.00	1389.69	0.00
2437.41	3183.66	2148.26	1402.01	0.42	0.54	0.62	0.94	0.00	0.00	2437.41	0.00	0.00	1199.87	1353.12	0.00	1353.12	0.00
3199.82	3946.07	2684.63	1938.39	0.41	0.50	0.60	0.83	0.00	0.00	3199.82	0.00	0.00	1461.81	1889.50	0.00	1889.50	0.00
3065.84	3812.09	2587.11	1840.86	0.41	0.51	0.60	0.85	0.00	0.00	3065.84	0.00	0.00	1419.56	1791.97	0.00	1791.97	0.00
2503.15	3020.92	1956.35	1438.58	0.45	0.54	0.69	0.94	0.00	0.00	2503.15	0.00	0.00	1233.67	1389.69	0.00	1389.69	0.00
2437.41	2955.18	1919.78	1402.01	0.45	0.54	0.69	0.94	0.00	0.00	2437.41	0.00	0.00	1199.87	1353.12	0.00	1353.12	0.00
3199.82	3717.59	2456.16	1938.39	0.43	0.50	0.66	0.83	0.00	0.00	3199.82	0.00	0.00	1461.81	1889.50	0.00	1889.50	0.00
3065.84	3583.61	2358.63	1840.86	0.44	0.51	0.66	0.85	0.00	0.00	3065.84	0.00	0.00	1419.56	1791.97	0.00	1791.97	0.00
2405.62	3180.92	2116.36	1341.06	0.43	0.56	0.64	1.01	0.00	0.00	2405.62	0.00	0.00	1233.67	1292.17	0.00	1292.17	0.00
2339.89	3115.18	2079.79	1304.49	0.42	0.56	0.64	1.01	0.00	0.00	2339.89	0.00	0.00	1199.87	1255.60	0.00	1255.60	0.00
3065.72	3841.02	2579.59	1804.29	0.42	0.53	0.62	0.89	0.00	0.00	3065.72	0.00	0.00	1461.81	1755.40	0.00	1755.40	0.00
2943.94	3719.23	2494.26	1718.96	0.42	0.53	0.63	0.91	0.00	0.00	2943.94	0.00	0.00	1419.56	1670.07	0.00	1670.07	0.00

# First-Year Cost-Effectiveness Outputs 6.21.22

115.41	115.41	0.00	17.23	0.00	17.23	-0.06	0.24	-0.06	0.24	-1.23	3.62	-1.23	3.62	-0.04	0.00	-0.04	0.00	-0.57	0.00
192.47	192.47	0.00	17.23	0.00	17.23	-0.03	0.21	-0.03	0.21	-0.80	3.14	-0.80	3.14	-0.02	0.00	-0.02	0.00	-0.37	0.00
181.73	181.73	0.00	17.23	0.00	17.23	-0.03	0.21	-0.03	0.21	-0.82	3.14	-0.82	3.14	-0.02	0.00	-0.02	0.00	-0.37	0.00
163.92	163.92	0.00	17.23	0.00	17.23	-0.06	0.24	-0.06	0.24	-1.11	3.65	-1.11	3.65	-0.03	0.00	-0.03	0.00	-0.52	0.00
-774.69	-774.69	0.00	48.89	0.00	48.89	-0.40	0.70	-0.40	0.70	-4.72	6.96	-4.72	6.96	-0.24	0.00	-0.24	0.00	-2.37	0.00
-706.50	-706.50	0.00	48.89	0.00	48.89	-0.38	0.68	-0.38	0.68	-4.47	6.79	-4.47	6.79	-0.22	0.00	-0.22	0.00	-2.25	0.00
-472.42	-472.42	0.00	48.89	0.00	48.89	-0.30	0.58	-0.30	0.58	-3.47	5.78	-3.47	5.78	-0.17	0.00	-0.17	0.00	-1.74	0.00
-461.28	-461.28	0.00	48.89	0.00	48.89	-0.29	0.56	-0.29	0.56	-3.38	5.63	-3.38	5.63	-0.17	0.00	-0.17	0.00	-1.70	0.00
-774.69	-774.69	0.00	48.89	0.00	48.89	-0.40	0.70	-0.40	0.70	-4.72	6.96	-4.72	6.96	-0.24	0.00	-0.24	0.00	-2.37	0.00
150.69	150.69	0.00	17.23	0.00	17.23	-0.06	0.24	-0.06	0.24	-1.13	3.65	-1.13	3.65	-0.03	0.00	-0.03	0.00	-0.52	0.00
189.55	189.55	0.00	17.23	0.00	17.23	-0.02	0.18	-0.02	0.18	-0.63	2.73	-0.63	2.73	-0.01	0.00	-0.01	0.00	-0.29	0.00
180.48	180.48	0.00	17.23	0.00	17.23	-0.02	0.18	-0.02	0.18	-0.64	2.73	-0.64	2.73	-0.01	0.00	-0.01	0.00	-0.29	0.00
-66.13	-66.13	0.00	48.89	0.00	48.89	-0.32	0.85	-0.32	0.85	-3.63	8.54	-3.63	8.54	-0.17	0.00	-0.17	0.00	-1.74	0.00
-67.15	-67.15	0.00	48.89	0.00	48.89	-0.31	0.83	-0.31	0.83	-3.53	8.31	-3.53	8.31	-0.17	0.00	-0.17	0.00	-1.70	0.00
-311.52	-311.52	0.00	48.89	0.00	48.89	-0.44	1.01	-0.44	1.01	-4.93	10.12	-4.93	10.12	-0.24	0.00	-0.24	0.00	-2.37	0.00
-261.12	-261.12	0.00	48.89	0.00	48.89	-0.41	0.98	-0.41	0.98	-4.67	9.83	-4.67	9.83	-0.22	0.00	-0.22	0.00	-2.25	0.00
-66.13	-66.13	0.00	48.89	0.00	48.89	-0.32	0.85	-0.32	0.85	-3.63	8.54	-3.63	8.54	-0.17	0.00	-0.17	0.00	-1.74	0.00
-67.15	-67.15	0.00	48.89	0.00	48.89	-0.31	0.83	-0.31	0.83	-3.53	8.31	-3.53	8.31	-0.17	0.00	-0.17	0.00	-1.70	0.00
-311.52	-311.52	0.00	48.89	0.00	48.89	-0.44	1.01	-0.44	1.01	-4.93	10.12	-4.93	10.12	-0.24	0.00	-0.24	0.00	-2.37	0.00
-261.12	-261.12	0.00	48.89	0.00	48.89	-0.41	0.98	-0.41	0.98	-4.67	9.83	-4.67	9.83	-0.22	0.00	-0.22	0.00	-2.25	0.00
31.16	31.16	0.00	48.89	0.00	48.89	-0.30	0.85	-0.30	0.85	-3.37	8.54	-3.37	8.54	-0.16	0.00	-0.16	0.00	-1.62	0.00
30.13	30.13	0.00	48.89	0.00	48.89	-0.29	0.83	-0.29	0.83	-3.28	8.31	-3.28	8.31	-0.16	0.00	-0.16	0.00	-1.58	0.00
-177.76	-177.76	0.00	48.89	0.00	48.89	-0.41	1.01	-0.41	1.01	-4.58	10.12	-4.58	10.12	-0.22	0.00	-0.22	0.00	-2.20	0.00
-139.52	-139.52	0.00	48.89	0.00	48.89	-0.39	0.98	-0.39	0.98	-4.36	9.83	-4.36	9.83	-0.21	0.00	-0.21	0.00	-2.10	0.00
31.16	31.16	0.00	48.89	0.00	48.89	-0.30	0.85	-0.30	0.85	-3.37	8.54	-3.37	8.54	-0.16	0.00	-0.16	0.00	-1.62	0.00
30.13	30.13	0.00	48.89	0.00	48.89	-0.29	0.83	-0.29	0.83	-3.28	8.31	-3.28	8.31	-0.16	0.00	-0.16	0.00	-1.58	0.00
-177.76	-177.76	0.00	48.89	0.00	48.89	-0.41	1.01	-0.41	1.01	-4.58	10.12	-4.58	10.12	-0.22	0.00	-0.22	0.00	-2.20	0.00
-139.52	-139.52	0.00	48.89	0.00	48.89	-0.39	0.98	-0.39	0.98	-4.36	9.83	-4.36	9.83	-0.21	0.00	-0.21	0.00	-2.10	0.00
-472.42	-472.42	0.00	48.89	0.00	48.89	-0.30	0.58	-0.30	0.58	-3.47	5.78	-3.47	5.78	-0.17	0.00	-0.17	0.00	-1.74	0.00
-508.72	-508.72	0.00	48.89	0.00	48.89	-0.32	0.58	-0.32	0.58	-3.63	5.78	-3.63	5.78	-0.17	0.00	-0.17	0.00	-1.74	0.00
-496.62	-496.62	0.00	48.89	0.00	48.89	-0.31	0.56	-0.31	0.56	-3.53	5.63	-3.53	5.63	-0.17	0.00	-0.17	0.00	-1.70	0.00
-817.88	-817.88	0.00	48.89	0.00	48.89	-0.44	0.70	-0.44	0.70	-4.93	6.96	-4.93	6.96	-0.24	0.00	-0.24	0.00	-2.37	0.00
-748.73	-748.73	0.00	48.89	0.00	48.89	-0.41	0.68	-0.41	0.68	-4.67	6.79	-4.67	6.79	-0.22	0.00	-0.22	0.00	-2.25	0.00
-508.72	-508.72	0.00	48.89	0.00	48.89	-0.32	0.58	-0.32	0.58	-3.63	5.78	-3.63	5.78	-0.17	0.00	-0.17	0.00	-1.74	0.00
-496.62	-496.62	0.00	48.89	0.00	48.89	-0.31	0.56	-0.31	0.56	-3.53	5.63	-3.53	5.63	-0.17	0.00	-0.17	0.00	-1.70	0.00
-817.88	-817.88	0.00	48.89	0.00	48.89	-0.44	0.70	-0.44	0.70	-4.93	6.96	-4.93	6.96	-0.24	0.00	-0.24	0.00	-2.37	0.00
-706.50	-706.50	0.00	48.89	0.00	48.89	-0.38	0.68	-0.38	0.68	-4.47	6.79	-4.47	6.79	-0.22	0.00	-0.22	0.00	-2.25	0.00
-748.73	-748.73	0.00	48.89	0.00	48.89	-0.41	0.68	-0.41	0.68	-4.67	6.79	-4.67	6.79	-0.22	0.00	-0.22	0.00	-2.25	0.00
-374.90	-374.90	0.00	48.89	0.00	48.89	-0.28	0.58	-0.28	0.58	-3.23	5.78	-3.23	5.78	-0.16	0.00	-0.16	0.00	-1.62	0.00
-411.44	-411.44	0.00	48.89	0.00	48.89	-0.30	0.58	-0.30	0.58	-3.37	5.78	-3.37	5.78	-0.16	0.00	-0.16	0.00	-1.62	0.00
-363.76	-363.76	0.00	48.89	0.00	48.89	-0.27	0.56	-0.27	0.56	-3.13	5.63	-3.13	5.63	-0.16	0.00	-0.16	0.00	-1.58	0.00
-399.34	-399.34	0.00	48.89	0.00	48.89	-0.29	0.56	-0.29	0.56	-3.28	5.63	-3.28	5.63	-0.16	0.00	-0.16	0.00	-1.58	0.00
-640.60	-640.60	0.00	48.89	0.00	48.89	-0.38	0.70	-0.38	0.70	-4.38	6.96	-4.38	6.96	-0.22	0.00	-0.22	0.00	-2.20	0.00
-684.12	-684.12	0.00	48.89	0.00	48.89	-0.41	0.70	-0.41	0.70	-4.58	6.96	-4.58	6.96	-0.22	0.00	-0.22	0.00	-2.20	0.00
-584.60	-584.60	0.00	48.89	0.00	48.89	-0.36	0.68	-0.36	0.68	-4.17	6.79	-4.17	6.79	-0.21	0.00	-0.21	0.00	-2.10	0.00
-627.13	-627.13	0.00	48.89	0.00	48.89	-0.39	0.68	-0.39	0.68	-4.36	6.79	-4.36	6.79	-0.21	0.00	-0.21	0.00	-2.10	0.00
-374.90	-374.90	0.00	48.89	0.00	48.89	-0.28	0.58	-0.28	0.58	-3.23	5.78	-3.23	5.78	-0.16	0.00	-0.16	0.00	-1.62	0.00
-363.76	-363.76	0.00	48.89	0.00	48.89	-0.27	0.56	-0.27	0.56	-3.13	5.63	-3.13	5.63	-0.16	0.00	-0.16	0.00	-1.58	0.00
-640.60	-640.60	0.00	48.89	0.00	48.89	-0.38	0.70	-0.38	0.70	-4.38	6.96	-4.38	6.96	-0.22	0.00	-0.22	0.00	-2.20	0.00
-684.12	-684.12	0.00	48.89	0.00	48.89	-0.41	0.70	-0.41	0.70	-4.58	6.96	-4.58	6.96	-0.22	0.00	-0.22	0.00	-2.20	0.00
-79.46	-79.46	0.00	48.89	0.00	48.89	-0.33	0.85	-0.33	0.85	-3.66	8.54	-3.66	8.54	-0.17	0.00	-0.17	0.00	-1.74	0.00
-80.12	-80.12	0.00	48.89	0.00	48.89	-0.32	0.83	-0.32	0.83	-3.56	8.31	-3.56	8.31	-0.17	0.00	-0.17	0.00	-1.70	0.00
-327.92	-327.92	0.00	48.89	0.00	48.89	-0.45	1.01	-0.45	1.01	-4.97	10.12	-4.97	10.12	-0.24	0.00	-0.24	0.00	-2.37	0.00
-276.94	-276.94	0.00	48.89	0.00	48.89	-0.42	0.98	-0.42	0.98	-4.71	9.83	-4.71	9.83	-0.22	0.00	-0.22	0.00	-2.25	0.00
-79.46	-79.46	0.00	48.89	0.00	48.89	-0.33	0.85	-0.33	0.85	-3.66	8.54	-3.66	8.54	-0.17	0.00	-0.17	0.00	-1.74	0.00
-80.12	-80.12	0.00	48.89	0.00	48.89	-0.32	0.83	-0.32	0.83	-3.56	8.31	-3.56	8.31	-0.17	0.00	-0.17	0.00	-1.70	0.00
-327.92	-327.92	0.00	48.89	0.00	48.89	-0.45	1.01	-0.45	1.01	-4.97	10.12	-4.97	10.12	-0.24	0.00	-0.24	0.00	-2.37	0.00
-276.94	-276.94	0.00	48.89	0.00	48.89	-0.42	0.98	-0.42	0.98	-4.71	9.83	-4.71	9.83	-0.22	0.00	-0.22	0.00	-2.25	0.00
18.06	18.06	0.00	48.89	0.00	48.89	-0.30	0.85	-0.30	0.85	-3.40	8.54	-3.40	8.54	-0.16	0.00	-0.16	0.00	-1.62	0.00
17.40	17.40	0.00	48.89	0.00	48.89	-0.30	0.83	-0.30	0.83	-3.30	8.31	-3.30	8.31	-0.16	0.00	-0.16	0.00	-1.58	0.00
-193.82	-193.82	0.00	48.89	0.00	48.89	-0.41	1.01	-0.41	1.01	-4.62	10.12	-4.62	10.12	-0.22	0.00	-0.22	0.00	-2.20	0.00
-155.04	-155.04	0.00	48.89	0.00	48.89	-0.39	0.98	-0.39	0.98	-4.39	9.83	-4.39	9.83	-0.21	0.00	-0.21	0.00	-2.10	0.00



First-Year Cost-Effectiveness Outputs 6.21.22

0.00	518.69	518.69	518.69	518.69	43.61	0.00	50.82	283.44	0.00	0.00	0.00	5.74	94.40	0.00	478.01	478.01	12281.70	7841.85
0.00	559.53	559.53	559.53	559.53	42.01	0.00	48.96	273.05	0.00	0.00	0.00	5.53	90.94	0.00	460.48	460.48	11976.19	7811.87
0.00	518.69	518.69	518.69	518.69	37.80	0.00	44.05	245.66	0.00	0.00	0.00	4.97	81.82	0.00	414.29	414.29	11102.19	7241.77
0.00	559.53	559.53	559.53	559.53	48.83	0.00	56.90	317.33	0.00	0.00	0.00	6.42	105.69	0.00	535.16	535.16	13536.29	8705.73
0.00	828.30	828.30	828.30	828.30	100.33	0.00	116.91	652.08	0.00	0.00	0.00	13.20	217.17	0.00	1099.69	1099.69	32528.21	14213.12
0.00	828.30	828.30	828.30	828.30	97.80	0.00	113.97	635.64	0.00	0.00	0.00	12.86	211.70	0.00	1071.97	1071.97	32028.09	14155.15
0.00	256.57	256.57	256.57	256.57	83.30	0.00	97.07	541.39	0.00	0.00	0.00	10.96	180.31	0.00	913.02	913.02	12878.49	12878.49
0.00	256.57	256.57	256.57	256.57	81.11	0.00	94.51	527.14	0.00	0.00	0.00	10.67	175.56	0.00	888.99	888.99	12539.58	12539.58
0.00	256.57	256.57	256.57	256.57	100.33	0.00	116.91	652.08	0.00	0.00	0.00	13.20	217.17	0.00	1099.69	1099.69	14213.13	14213.13
0.00	518.69	518.69	518.69	518.69	43.93	0.00	51.19	285.51	0.00	0.00	0.00	5.78	95.09	0.00	481.49	481.49	12548.44	8070.41
0.00	559.53	559.53	559.53	559.53	36.61	0.00	42.66	237.92	0.00	0.00	0.00	4.81	79.24	0.00	401.25	401.25	10583.36	6950.93
0.00	518.69	518.69	518.69	518.69	32.94	0.00	38.38	214.06	0.00	0.00	0.00	4.33	71.29	0.00	361.00	361.00	9811.01	6443.67
0.00	760.52	760.52	760.52	760.52	123.01	0.00	143.35	799.50	0.00	0.00	0.00	16.18	266.27	0.00	1348.31	1348.31	32186.44	20167.89
0.00	760.52	760.52	760.52	760.52	119.64	0.00	139.42	777.60	0.00	0.00	0.00	15.74	258.97	0.00	1311.37	1311.37	31296.18	19607.42
0.00	760.52	760.52	760.52	760.52	145.76	0.00	169.86	947.35	0.00	0.00	0.00	19.17	315.51	0.00	1597.66	1597.66	36775.06	22617.37
0.00	760.52	760.52	760.52	760.52	141.55	0.00	164.95	919.97	0.00	0.00	0.00	18.62	306.39	0.00	1551.48	1551.48	35953.21	22189.95
0.00	527.67	527.67	527.67	527.67	123.01	0.00	143.35	799.50	0.00	0.00	0.00	16.18	266.27	0.00	1348.31	1348.31	20167.88	20167.88
0.00	527.67	527.67	527.67	527.67	119.64	0.00	139.42	777.60	0.00	0.00	0.00	15.74	258.97	0.00	1311.37	1311.37	19607.41	19607.41
0.00	527.67	527.67	527.67	527.67	145.76	0.00	169.86	947.35	0.00	0.00	0.00	19.17	315.51	0.00	1597.66	1597.66	22617.36	22617.36
0.00	527.67	527.67	527.67	527.67	141.55	0.00	164.95	919.97	0.00	0.00	0.00	18.62	306.39	0.00	1551.48	1551.48	22189.94	22189.94
0.00	790.12	790.12	790.12	790.12	123.01	0.00	143.35	799.50	0.00	0.00	0.00	16.18	266.27	0.00	1348.31	1348.31	32734.16	20682.08
0.00	790.12	790.12	790.12	790.12	119.64	0.00	139.42	777.60	0.00	0.00	0.00	15.74	258.97	0.00	1311.37	1311.37	31843.89	20121.61
0.00	790.12	790.12	790.12	790.12	145.76	0.00	169.86	947.35	0.00	0.00	0.00	19.17	315.51	0.00	1597.66	1597.66	37528.17	23324.39
0.00	790.12	790.12	790.12	790.12	141.55	0.00	164.95	919.97	0.00	0.00	0.00	18.62	306.39	0.00	1551.48	1551.48	36637.86	22832.69
0.00	557.28	557.28	557.28	557.28	123.01	0.00	143.35	799.50	0.00	0.00	0.00	16.18	266.27	0.00	1348.31	1348.31	20682.07	20682.07
0.00	557.28	557.28	557.28	557.28	119.64	0.00	139.42	777.60	0.00	0.00	0.00	15.74	258.97	0.00	1311.37	1311.37	20121.60	20121.60
0.00	557.28	557.28	557.28	557.28	145.76	0.00	169.86	947.35	0.00	0.00	0.00	19.17	315.51	0.00	1597.66	1597.66	23324.37	23324.37
0.00	557.28	557.28	557.28	557.28	141.55	0.00	164.95	919.97	0.00	0.00	0.00	18.62	306.39	0.00	1551.48	1551.48	22832.68	22832.68
0.00	828.30	828.30	828.30	828.30	83.30	0.00	97.07	541.39	0.00	0.00	0.00	10.96	180.31	0.00	913.02	913.02	28154.91	12878.48
0.00	725.43	725.43	725.43	725.43	83.25	0.00	97.00	541.03	0.00	0.00	0.00	10.95	180.19	0.00	912.42	912.42	24658.22	11279.05
0.00	725.43	725.43	725.43	725.43	81.05	0.00	94.45	526.79	0.00	0.00	0.00	10.66	175.45	0.00	888.41	888.41	24009.32	10982.23
0.00	725.43	725.43	725.43	725.43	100.27	0.00	116.84	651.65	0.00	0.00	0.00	13.19	217.03	0.00	1098.97	1098.97	28488.39	12447.93
0.00	725.43	725.43	725.43	725.43	97.74	0.00	113.89	635.22	0.00	0.00	0.00	12.86	211.56	0.00	1071.26	1071.26	28050.38	12397.16
0.00	224.71	224.71	224.71	224.71	83.25	0.00	97.00	541.03	0.00	0.00	0.00	10.95	180.19	0.00	912.42	912.42	11279.05	11279.05
0.00	224.71	224.71	224.71	224.71	81.05	0.00	94.45	526.79	0.00	0.00	0.00	10.66	175.45	0.00	888.41	888.41	10982.23	10982.23
0.00	224.71	224.71	224.71	224.71	100.27	0.00	116.84	651.65	0.00	0.00	0.00	13.19	217.03	0.00	1098.97	1098.97	12447.93	12447.93
0.00	256.57	256.57	256.57	256.57	97.80	0.00	113.97	635.64	0.00	0.00	0.00	12.86	211.70	0.00	1071.97	1071.97	14155.15	14155.15
0.00	224.71	224.71	224.71	224.71	97.74	0.00	113.89	635.22	0.00	0.00	0.00	12.86	211.56	0.00	1071.26	1071.26	12397.16	12397.16
0.00	862.10	862.10	862.10	862.10	83.30	0.00	97.07	541.39	0.00	0.00	0.00	10.96	180.31	0.00	913.02	913.02	28780.29	13465.59
0.00	755.03	755.03	755.03	755.03	83.25	0.00	97.00	541.03	0.00	0.00	0.00	10.95	180.19	0.00	912.42	912.42	25205.94	11793.24
0.00	862.10	862.10	862.10	862.10	81.11	0.00	94.51	527.14	0.00	0.00	0.00	10.67	175.56	0.00	888.99	888.99	28039.37	13126.68
0.00	755.03	755.03	755.03	755.03	81.05	0.00	94.45	526.79	0.00	0.00	0.00	10.66	175.45	0.00	888.41	888.41	24557.04	11496.42
0.00	862.10	862.10	862.10	862.10	100.33	0.00	116.91	652.08	0.00	0.00	0.00	13.20	217.17	0.00	1099.69	1099.69	33388.12	15020.39
0.00	755.03	755.03	755.03	755.03	100.27	0.00	116.84	651.65	0.00	0.00	0.00	13.19	217.03	0.00	1098.97	1098.97	29241.50	13154.94
0.00	862.10	862.10	862.10	862.10	97.80	0.00	113.97	635.64	0.00	0.00	0.00	12.86	211.70	0.00	1071.97	1071.97	32809.82	14889.03
0.00	755.03	755.03	755.03	755.03	97.74	0.00	113.89	635.22	0.00	0.00	0.00	12.86	211.56	0.00	1071.26	1071.26	28735.02	13039.89
0.00	290.37	290.37	290.37	290.37	83.30	0.00	97.07	541.39	0.00	0.00	0.00	10.96	180.31	0.00	913.02	913.02	13465.59	13465.59
0.00	290.37	290.37	290.37	290.37	81.11	0.00	94.51	527.14	0.00	0.00	0.00	10.67	175.56	0.00	888.99	888.99	13126.68	13126.68
0.00	290.37	290.37	290.37	290.37	100.33	0.00	116.91	652.08	0.00	0.00	0.00	13.20	217.17	0.00	1099.69	1099.69	15020.40	15020.40
0.00	254.31	254.31	254.31	254.31	100.27	0.00	116.84	651.65	0.00	0.00	0.00	13.19	217.03	0.00	1098.97	1098.97	13154.95	13154.95
0.00	746.25	746.25	746.25	746.25	112.56	0.00	131.16	731.52	0.00	0.00	0.00	14.80	243.63	0.00	1233.67	1233.67	31582.43	19789.42
0.00	746.25	746.25	746.25	746.25	109.47	0.00	127.56	711.48	0.00	0.00	0.00	14.40	236.96	0.00	1199.87	1199.87	30708.87	19239.47
0.00	746.25	746.25	746.25	746.25	133.37	0.00	155.41	866.80	0.00	0.00	0.00	17.54	288.68	0.00	1461.81	1461.81	36084.94	22192.93
0.00	746.25	746.25	746.25	746.25	129.52	0.00	150.92	841.75	0.00	0.00	0.00	17.03	280.34	0.00	1419.56	1419.56	35278.51	21773.53
0.00	517.77	517.77	517.77	517.77	112.56	0.00	131.16	731.52	0.00	0.00	0.00	14.80	243.63	0.00	1233.67	1233.67	19789.41	19789.41
0.00	517.77	517.77	517.77	517.77	109.47	0.00	127.56	711.48	0.00	0.00	0.00	14.40	236.96	0.00	1199.87	1199.87	19239.46	19239.46
0.00	517.77	517.77	517.77	517.77	133.37	0.00	155.41	866.80	0.00	0.00	0.00	17.54	288.68	0.00	1461.81	1461.81	22192.92	22192.92
0.00	517.77	517.77	517.77	517.77	129.52	0.00	150.92	841.75	0.00	0.00	0.00	17.03	280.34	0.00	1419.56	1419.56	21773.52	21773.52
0.00	775.29	775.29	775.29	775.29	112.56	0.00	131.16	731.52	0.00	0.00	0.00	14.80	243.63	0.00	1233.67	1233.67	32119.86	20293.96
0.00	775.29	775.29	775.29	775.29	109.47	0.00	127.56	711.48	0.00	0.00	0.00	14.40	236.96	0.00	1199.87	1199.87	31246.31	









2405.62	2952.44	1887.88	1341.06	0.46	0.56	0.72	1.01	0.00	0.00	2405.62	0.00	0.00	1233.67	1292.17	0.00	1292.17	0.00
2339.89	2886.70	1851.31	1304.49	0.46	0.56	0.71	1.01	0.00	0.00	2339.89	0.00	0.00	1199.87	1255.60	0.00	1255.60	0.00
3065.72	3612.54	2351.11	1804.29	0.45	0.53	0.68	0.89	0.00	0.00	3065.72	0.00	0.00	1461.81	1755.40	0.00	1755.40	0.00
2943.94	3490.75	2265.78	1718.96	0.45	0.53	0.69	0.91	0.00	0.00	2943.94	0.00	0.00	1419.56	1670.07	0.00	1670.07	0.00
2158.99	2870.80	2150.40	1438.58	0.32	0.43	0.43	0.64	0.00	0.00	2158.99	0.00	0.00	834.84	1389.69	0.00	1389.69	0.00
2103.46	2815.28	2113.83	1402.01	0.32	0.43	0.42	0.64	0.00	0.00	2103.46	0.00	0.00	812.87	1353.12	0.00	1353.12	0.00
2806.08	3517.89	2650.20	1938.39	0.31	0.39	0.42	0.57	0.00	0.00	2806.08	0.00	0.00	1005.52	1889.50	0.00	1889.50	0.00
2686.68	3398.50	2552.68	1840.86	0.32	0.40	0.42	0.59	0.00	0.00	2686.68	0.00	0.00	980.17	1791.97	0.00	1791.97	0.00
2158.99	2379.47	1659.07	1438.58	0.39	0.43	0.55	0.64	0.00	0.00	2158.99	0.00	0.00	834.84	1389.69	0.00	1389.69	0.00
2103.46	2323.95	1622.50	1402.01	0.39	0.43	0.55	0.64	0.00	0.00	2103.46	0.00	0.00	812.87	1353.12	0.00	1353.12	0.00
2806.08	3026.57	2158.88	1938.39	0.37	0.39	0.51	0.57	0.00	0.00	2806.08	0.00	0.00	1005.52	1889.50	0.00	1889.50	0.00
2686.68	2907.17	2061.35	1840.86	0.37	0.40	0.52	0.59	0.00	0.00	2686.68	0.00	0.00	980.17	1791.97	0.00	1791.97	0.00
2061.46	2802.33	2081.93	1341.06	0.33	0.45	0.44	0.69	0.00	0.00	2061.46	0.00	0.00	834.84	1292.17	0.00	1292.17	0.00
2005.93	2746.80	2045.36	1304.49	0.33	0.45	0.44	0.69	0.00	0.00	2005.93	0.00	0.00	812.87	1255.60	0.00	1255.60	0.00
2671.98	3412.85	2545.16	1804.29	0.32	0.41	0.44	0.61	0.00	0.00	2671.98	0.00	0.00	1005.52	1755.40	0.00	1755.40	0.00
2564.78	3305.64	2459.83	1718.96	0.33	0.42	0.44	0.63	0.00	0.00	2564.78	0.00	0.00	980.17	1670.07	0.00	1670.07	0.00
2185.47	2439.78	1592.20	1337.89	0.38	0.42	0.58	0.69	0.00	0.00	2185.47	0.00	0.00	912.42	1289.00	0.00	1289.00	0.00
2061.46	2311.00	1590.60	1341.06	0.40	0.45	0.58	0.69	0.00	0.00	2061.46	0.00	0.00	834.84	1292.17	0.00	1292.17	0.00
2126.69	2380.99	1555.72	1301.41	0.38	0.42	0.58	0.69	0.00	0.00	2126.69	0.00	0.00	888.41	1252.52	0.00	1252.52	0.00
2005.93	2255.47	1554.03	1304.49	0.40	0.45	0.58	0.69	0.00	0.00	2005.93	0.00	0.00	812.87	1255.60	0.00	1255.60	0.00
2671.98	2921.52	2053.83	1804.29	0.38	0.41	0.54	0.61	0.00	0.00	2671.98	0.00	0.00	1005.52	1755.40	0.00	1755.40	0.00
2790.93	3081.30	2009.33	1718.96	0.37	0.41	0.56	0.66	0.00	0.00	2790.93	0.00	0.00	1071.97	1670.07	0.00	1670.07	0.00
2564.78	2814.31	1968.50	1718.96	0.38	0.42	0.55	0.63	0.00	0.00	2564.78	0.00	0.00	980.17	1670.07	0.00	1670.07	0.00
2710.00	2964.31	1969.17	1714.87	0.37	0.40	0.55	0.63	0.00	0.00	2710.00	0.00	0.00	1071.26	1665.98	0.00	1665.98	0.00
64981.76	64981.76	0.00	0.00	1.28	1.28	0.00	0.00	0.00	0.00	64981.76	0.10	1.00	75304.24	0.00	0.00	0.00	0.00
64981.76	64981.76	0.00	0.00	1.28	1.28	0.00	0.00	0.00	0.00	64981.76	0.10	1.00	75304.24	0.00	0.00	0.00	0.00
64981.76	64981.76	0.00	0.00	1.28	1.28	0.00	0.00	0.00	0.00	64981.76	0.10	1.00	75304.24	0.00	0.00	0.00	0.00
87963.18	87963.18	0.00	0.00	1.28	1.28	0.00	0.00	0.00	0.00	87963.18	0.14	1.00	101936.31	0.00	0.00	0.00	0.00
87963.18	87963.18	0.00	0.00	1.28	1.28	0.00	0.00	0.00	0.00	87963.18	0.14	1.00	101936.31	0.00	0.00	0.00	0.00
87963.18	87963.18	0.00	0.00	1.28	1.28	0.00	0.00	0.00	0.00	87963.18	0.14	1.00	101936.31	0.00	0.00	0.00	0.00
70023.89	70023.89	0.00	0.00	1.09	1.09	0.00	0.00	0.00	0.00	70023.89	0.10	1.00	75380.72	0.00	0.00	0.00	0.00
70023.89	70023.89	0.00	0.00	1.09	1.09	0.00	0.00	0.00	0.00	70023.89	0.10	1.00	75380.72	0.00	0.00	0.00	0.00
64981.76	64981.76	0.00	0.00	1.28	1.28	0.00	0.00	0.00	0.00	64981.76	0.10	1.00	75304.24	0.00	0.00	0.00	0.00
70023.89	70023.89	0.00	0.00	1.09	1.09	0.00	0.00	0.00	0.00	70023.89	0.10	1.00	75380.72	0.00	0.00	0.00	0.00
70023.89	70023.89	0.00	0.00	1.09	1.09	0.00	0.00	0.00	0.00	70023.89	0.10	1.00	75380.72	0.00	0.00	0.00	0.00
93615.37	93615.37	0.00	0.00	1.09	1.09	0.00	0.00	0.00	0.00	93615.37	0.13	1.00	100776.95	0.00	0.00	0.00	0.00
87963.18	87963.18	0.00	0.00	1.28	1.28	0.00	0.00	0.00	0.00	87963.18	0.14	1.00	101936.31	0.00	0.00	0.00	0.00
93615.37	93615.37	0.00	0.00	1.09	1.09	0.00	0.00	0.00	0.00	93615.37	0.13	1.00	100776.95	0.00	0.00	0.00	0.00
93615.37	93615.37	0.00	0.00	1.09	1.09	0.00	0.00	0.00	0.00	93615.37	0.13	1.00	100776.95	0.00	0.00	0.00	0.00
93615.37	93615.37	0.00	0.00	1.09	1.09	0.00	0.00	0.00	0.00	93615.37	0.13	1.00	100776.95	0.00	0.00	0.00	0.00
73638.10	73638.10	0.00	0.00	1.06	1.06	0.00	0.00	0.00	0.00	73638.10	0.10	1.00	73638.10	0.00	0.00	0.00	0.00
73638.10	73638.10	0.00	0.00	1.06	1.06	0.00	0.00	0.00	0.00	73638.10	0.10	1.00	73638.10	0.00	0.00	0.00	0.00
73638.10	73638.10	0.00	0.00	1.06	1.06	0.00	0.00	0.00	0.00	73638.10	0.10	1.00	73638.10	0.00	0.00	0.00	0.00
73638.10	73638.10	0.00	0.00	1.06	1.06	0.00	0.00	0.00	0.00	73638.10	0.10	1.00	73638.10	0.00	0.00	0.00	0.00
102553.14	102553.14	0.00	0.00	1.06	1.06	0.00	0.00	0.00	0.00	102553.14	0.14	1.00	102553.14	0.00	0.00	0.00	0.00
102553.14	102553.14	0.00	0.00	1.06	1.06	0.00	0.00	0.00	0.00	102553.14	0.14	1.00	102553.14	0.00	0.00	0.00	0.00
102553.14	102553.14	0.00	0.00	1.06	1.06	0.00	0.00	0.00	0.00	102553.14	0.14	1.00	102553.14	0.00	0.00	0.00	0.00
102553.14	102553.14	0.00	0.00	1.06	1.06	0.00	0.00	0.00	0.00	102553.14	0.14	1.00	102553.14	0.00	0.00	0.00	0.00

First-Year Cost-Effectiveness Outputs 6.21.22

18.06	18.06	0.00	48.89	0.00	48.89	-0.30	0.85	-0.30	0.85	-3.40	8.54	-3.40	8.54	-0.16	0.00	-0.16	0.00	-1.62	0.00
17.40	17.40	0.00	48.89	0.00	48.89	-0.30	0.83	-0.30	0.83	-3.30	8.31	-3.30	8.31	-0.16	0.00	-0.16	0.00	-1.58	0.00
-193.82	-193.82	0.00	48.89	0.00	48.89	-0.41	1.01	-0.41	1.01	-4.62	10.12	-4.62	10.12	-0.22	0.00	-0.22	0.00	-2.20	0.00
-155.04	-155.04	0.00	48.89	0.00	48.89	-0.39	0.98	-0.39	0.98	-4.39	9.83	-4.39	9.83	-0.21	0.00	-0.21	0.00	-2.10	0.00
-518.85	-518.85	0.00	48.89	0.00	48.89	-0.33	0.58	-0.33	0.58	-3.66	5.78	-3.66	5.78	-0.17	0.00	-0.17	0.00	-1.74	0.00
-506.48	-506.48	0.00	48.89	0.00	48.89	-0.32	0.56	-0.32	0.56	-3.56	5.63	-3.56	5.63	-0.17	0.00	-0.17	0.00	-1.70	0.00
-830.61	-830.61	0.00	48.89	0.00	48.89	-0.45	0.70	-0.45	0.70	-4.97	6.96	-4.97	6.96	-0.24	0.00	-0.24	0.00	-2.37	0.00
-761.01	-761.01	0.00	48.89	0.00	48.89	-0.42	0.68	-0.42	0.68	-4.71	6.79	-4.71	6.79	-0.22	0.00	-0.22	0.00	-2.25	0.00
-518.85	-518.85	0.00	48.89	0.00	48.89	-0.33	0.58	-0.33	0.58	-3.66	5.78	-3.66	5.78	-0.17	0.00	-0.17	0.00	-1.74	0.00
-506.48	-506.48	0.00	48.89	0.00	48.89	-0.32	0.56	-0.32	0.56	-3.56	5.63	-3.56	5.63	-0.17	0.00	-0.17	0.00	-1.70	0.00
-830.61	-830.61	0.00	48.89	0.00	48.89	-0.45	0.70	-0.45	0.70	-4.97	6.96	-4.97	6.96	-0.24	0.00	-0.24	0.00	-2.37	0.00
-761.01	-761.01	0.00	48.89	0.00	48.89	-0.42	0.68	-0.42	0.68	-4.71	6.79	-4.71	6.79	-0.22	0.00	-0.22	0.00	-2.25	0.00
-421.32	-421.32	0.00	48.89	0.00	48.89	-0.30	0.58	-0.30	0.58	-3.40	5.78	-3.40	5.78	-0.16	0.00	-0.16	0.00	-1.62	0.00
-408.96	-408.96	0.00	48.89	0.00	48.89	-0.30	0.56	-0.30	0.56	-3.30	5.63	-3.30	5.63	-0.16	0.00	-0.16	0.00	-1.58	0.00
-696.51	-696.51	0.00	48.89	0.00	48.89	-0.41	0.70	-0.41	0.70	-4.62	6.96	-4.62	6.96	-0.22	0.00	-0.22	0.00	-2.20	0.00
-639.11	-639.11	0.00	48.89	0.00	48.89	-0.39	0.68	-0.39	0.68	-4.39	6.79	-4.39	6.79	-0.21	0.00	-0.21	0.00	-2.10	0.00
-411.44	-411.44	0.00	48.89	0.00	48.89	-0.30	0.58	-0.30	0.58	-3.37	5.78	-3.37	5.78	-0.16	0.00	-0.16	0.00	-1.62	0.00
-421.32	-421.32	0.00	48.89	0.00	48.89	-0.30	0.58	-0.30	0.58	-3.40	5.78	-3.40	5.78	-0.16	0.00	-0.16	0.00	-1.62	0.00
-399.34	-399.34	0.00	48.89	0.00	48.89	-0.29	0.56	-0.29	0.56	-3.28	5.63	-3.28	5.63	-0.16	0.00	-0.16	0.00	-1.58	0.00
-408.96	-408.96	0.00	48.89	0.00	48.89	-0.30	0.56	-0.30	0.56	-3.30	5.63	-3.30	5.63	-0.16	0.00	-0.16	0.00	-1.58	0.00
-696.51	-696.51	0.00	48.89	0.00	48.89	-0.41	0.70	-0.41	0.70	-4.62	6.96	-4.62	6.96	-0.22	0.00	-0.22	0.00	-2.20	0.00
-584.60	-584.60	0.00	48.89	0.00	48.89	-0.36	0.68	-0.36	0.68	-4.17	6.79	-4.17	6.79	-0.21	0.00	-0.21	0.00	-2.10	0.00
-639.11	-639.11	0.00	48.89	0.00	48.89	-0.39	0.68	-0.39	0.68	-4.39	6.79	-4.39	6.79	-0.21	0.00	-0.21	0.00	-2.10	0.00
-627.13	-627.13	0.00	48.89	0.00	48.89	-0.39	0.68	-0.39	0.68	-4.36	6.79	-4.36	6.79	-0.21	0.00	-0.21	0.00	-2.10	0.00
82962.27	82962.27	0.00	0.00	0.00	0.00	206.88	0.00	206.88	0.00	206.88	0.00	206.88	0.00	112.37	0.00	112.37	0.00	112.37	0.00
82962.27	82962.27	0.00	0.00	0.00	0.00	206.88	0.00	206.88	0.00	206.88	0.00	206.88	0.00	112.37	0.00	112.37	0.00	112.37	0.00
82962.27	82962.27	0.00	0.00	0.00	0.00	206.88	0.00	206.88	0.00	206.88	0.00	206.88	0.00	112.37	0.00	112.37	0.00	112.37	0.00
112302.67	112302.67	0.00	0.00	0.00	0.00	217.47	0.00	217.47	0.00	217.47	0.00	217.47	0.00	117.10	0.00	117.10	0.00	117.10	0.00
112302.67	112302.67	0.00	0.00	0.00	0.00	217.47	0.00	217.47	0.00	217.47	0.00	217.47	0.00	117.10	0.00	117.10	0.00	117.10	0.00
112302.67	112302.67	0.00	0.00	0.00	0.00	217.47	0.00	217.47	0.00	217.47	0.00	217.47	0.00	117.10	0.00	117.10	0.00	117.10	0.00
76540.28	76540.28	0.00	0.00	0.00	0.00	200.24	0.00	200.24	0.00	200.24	0.00	200.24	0.00	112.37	0.00	112.37	0.00	112.37	0.00
76540.28	76540.28	0.00	0.00	0.00	0.00	200.24	0.00	200.24	0.00	200.24	0.00	200.24	0.00	112.37	0.00	112.37	0.00	112.37	0.00
82962.27	82962.27	0.00	0.00	0.00	0.00	206.88	0.00	206.88	0.00	206.88	0.00	206.88	0.00	112.37	0.00	112.37	0.00	112.37	0.00
76540.28	76540.28	0.00	0.00	0.00	0.00	200.24	0.00	200.24	0.00	200.24	0.00	200.24	0.00	112.37	0.00	112.37	0.00	112.37	0.00
76540.28	76540.28	0.00	0.00	0.00	0.00	200.24	0.00	200.24	0.00	200.24	0.00	200.24	0.00	112.37	0.00	112.37	0.00	112.37	0.00
102327.17	102327.17	0.00	0.00	0.00	0.00	214.91	0.00	214.91	0.00	214.91	0.00	214.91	0.00	117.10	0.00	117.10	0.00	117.10	0.00
112302.67	112302.67	0.00	0.00	0.00	0.00	217.47	0.00	217.47	0.00	217.47	0.00	217.47	0.00	117.10	0.00	117.10	0.00	117.10	0.00
102327.17	102327.17	0.00	0.00	0.00	0.00	214.91	0.00	214.91	0.00	214.91	0.00	214.91	0.00	117.10	0.00	117.10	0.00	117.10	0.00
102327.17	102327.17	0.00	0.00	0.00	0.00	214.91	0.00	214.91	0.00	214.91	0.00	214.91	0.00	117.10	0.00	117.10	0.00	117.10	0.00
102327.17	102327.17	0.00	0.00	0.00	0.00	214.91	0.00	214.91	0.00	214.91	0.00	214.91	0.00	117.10	0.00	117.10	0.00	117.10	0.00
77923.80	77923.80	0.00	0.00	0.00	0.00	190.99	0.00	190.99	0.00	190.99	0.00	190.99	0.00	112.37	0.00	112.37	0.00	112.37	0.00
77923.80	77923.80	0.00	0.00	0.00	0.00	190.99	0.00	190.99	0.00	190.99	0.00	190.99	0.00	112.37	0.00	112.37	0.00	112.37	0.00
77923.80	77923.80	0.00	0.00	0.00	0.00	190.99	0.00	190.99	0.00	190.99	0.00	190.99	0.00	112.37	0.00	112.37	0.00	112.37	0.00
77923.80	77923.80	0.00	0.00	0.00	0.00	190.99	0.00	190.99	0.00	190.99	0.00	190.99	0.00	112.37	0.00	112.37	0.00	112.37	0.00
108521.68	108521.68	0.00	0.00	0.00	0.00	209.43	0.00	209.43	0.00	209.43	0.00	209.43	0.00	117.10	0.00	117.10	0.00	117.10	0.00
108521.68	108521.68	0.00	0.00	0.00	0.00	209.43	0.00	209.43	0.00	209.43	0.00	209.43	0.00	117.10	0.00	117.10	0.00	117.10	0.00
108521.68	108521.68	0.00	0.00	0.00	0.00	209.43	0.00	209.43	0.00	209.43	0.00	209.43	0.00	117.10	0.00	117.10	0.00	117.10	0.00
108521.68	108521.68	0.00	0.00	0.00	0.00	209.43	0.00	209.43	0.00	209.43	0.00	209.43	0.00	117.10	0.00	117.10	0.00	117.10	0.00



First-Year Cost-Effectiveness Outputs 6.21.22

0.00	546.82	546.82	546.82	546.82	112.56	0.00	131.16	731.52	0.00	0.00	0.00	14.80	243.63	0.00	1233.67	1233.67	20293.95	20293.95
0.00	546.82	546.82	546.82	546.82	109.47	0.00	127.56	711.48	0.00	0.00	0.00	14.40	236.96	0.00	1199.87	1199.87	19744.00	19744.00
0.00	546.82	546.82	546.82	546.82	133.37	0.00	155.41	866.80	0.00	0.00	0.00	17.54	288.68	0.00	1461.81	1461.81	22886.66	22886.66
0.00	546.82	546.82	546.82	546.82	129.52	0.00	150.92	841.75	0.00	0.00	0.00	17.03	280.34	0.00	1419.56	1419.56	22404.20	22404.20
0.00	711.82	711.82	711.82	711.82	76.17	0.00	88.76	495.03	0.00	0.00	0.00	10.02	164.87	0.00	834.84	834.84	24195.48	11067.38
0.00	711.82	711.82	711.82	711.82	74.16	0.00	86.42	482.00	0.00	0.00	0.00	9.75	160.53	0.00	812.87	812.87	23558.76	10776.14
0.00	711.82	711.82	711.82	711.82	91.74	0.00	106.90	596.24	0.00	0.00	0.00	12.07	198.58	0.00	1005.52	1005.52	27953.77	12214.33
0.00	711.82	711.82	711.82	711.82	89.43	0.00	104.21	581.21	0.00	0.00	0.00	11.76	193.57	0.00	980.17	980.17	27523.98	12164.51
0.00	220.49	220.49	220.49	220.49	76.17	0.00	88.76	495.03	0.00	0.00	0.00	10.02	164.87	0.00	834.84	834.84	11067.39	11067.39
0.00	220.49	220.49	220.49	220.49	74.16	0.00	86.42	482.00	0.00	0.00	0.00	9.75	160.53	0.00	812.87	812.87	10776.14	10776.14
0.00	220.49	220.49	220.49	220.49	91.74	0.00	106.90	596.24	0.00	0.00	0.00	12.07	198.58	0.00	1005.52	1005.52	12214.34	12214.34
0.00	220.49	220.49	220.49	220.49	89.43	0.00	104.21	581.21	0.00	0.00	0.00	11.76	193.57	0.00	980.17	980.17	12164.51	12164.51
0.00	740.87	740.87	740.87	740.87	76.17	0.00	88.76	495.03	0.00	0.00	0.00	10.02	164.87	0.00	834.84	834.84	24732.92	11571.92
0.00	740.87	740.87	740.87	740.87	74.16	0.00	86.42	482.00	0.00	0.00	0.00	9.75	160.53	0.00	812.87	812.87	24096.20	11280.68
0.00	740.87	740.87	740.87	740.87	91.74	0.00	106.90	596.24	0.00	0.00	0.00	12.07	198.58	0.00	1005.52	1005.52	28692.75	12908.08
0.00	740.87	740.87	740.87	740.87	89.43	0.00	104.21	581.21	0.00	0.00	0.00	11.76	193.57	0.00	980.17	980.17	28195.78	12795.19
0.00	254.31	254.31	254.31	254.31	83.25	0.00	97.00	541.03	0.00	0.00	0.00	10.95	180.19	0.00	912.42	912.42	11793.24	11793.24
0.00	249.54	249.54	249.54	249.54	76.17	0.00	88.76	495.03	0.00	0.00	0.00	10.02	164.87	0.00	834.84	834.84	11571.93	11571.93
0.00	254.31	254.31	254.31	254.31	81.05	0.00	94.45	526.79	0.00	0.00	0.00	10.66	175.45	0.00	888.41	888.41	11496.42	11496.42
0.00	249.54	249.54	249.54	249.54	74.16	0.00	86.42	482.00	0.00	0.00	0.00	9.75	160.53	0.00	812.87	812.87	11280.68	11280.68
0.00	249.54	249.54	249.54	249.54	91.74	0.00	106.90	596.24	0.00	0.00	0.00	12.07	198.58	0.00	1005.52	1005.52	12908.08	12908.08
0.00	290.37	290.37	290.37	290.37	97.80	0.00	113.97	635.64	0.00	0.00	0.00	12.86	211.70	0.00	1071.97	1071.97	14889.03	14889.03
0.00	249.54	249.54	249.54	249.54	89.43	0.00	104.21	581.21	0.00	0.00	0.00	11.76	193.57	0.00	980.17	980.17	12795.19	12795.19
0.00	254.31	254.31	254.31	254.31	97.74	0.00	113.89	635.22	0.00	0.00	0.00	12.86	211.56	0.00	1071.26	1071.26	13039.90	13039.90
0.00	0.00	0.00	0.00	0.00	6870.47	0.00	8006.01	44652.72	0.00	0.00	0.00	903.65	14871.35	0.00	75304.24	75304.24	629935.47	629935.47
0.00	0.00	0.00	0.00	0.00	6870.47	0.00	8006.01	44652.72	0.00	0.00	0.00	903.65	14871.35	0.00	75304.24	75304.24	629935.47	629935.47
0.00	0.00	0.00	0.00	0.00	6870.47	0.00	8006.01	44652.72	0.00	0.00	0.00	903.65	14871.35	0.00	75304.24	75304.24	629935.47	629935.47
0.00	0.00	0.00	0.00	0.00	9300.28	0.00	10837.41	60444.58	0.00	0.00	0.00	1223.24	20130.75	0.00	101936.31	101936.31	629935.47	629935.47
0.00	0.00	0.00	0.00	0.00	9300.28	0.00	10837.41	60444.58	0.00	0.00	0.00	1223.24	20130.75	0.00	101936.31	101936.31	629935.47	629935.47
0.00	0.00	0.00	0.00	0.00	9300.28	0.00	10837.41	60444.58	0.00	0.00	0.00	1223.24	20130.75	0.00	101936.31	101936.31	629935.47	629935.47
0.00	0.00	0.00	0.00	0.00	6877.45	0.00	8014.14	44698.07	0.00	0.00	0.00	904.57	14886.45	0.00	75380.72	75380.72	679525.70	679525.70
0.00	0.00	0.00	0.00	0.00	6877.45	0.00	8014.14	44698.07	0.00	0.00	0.00	904.57	14886.45	0.00	75380.72	75380.72	679525.70	679525.70
0.00	0.00	0.00	0.00	0.00	6870.47	0.00	8006.01	44652.72	0.00	0.00	0.00	903.65	14871.35	0.00	75304.24	75304.24	629935.47	629935.47
0.00	0.00	0.00	0.00	0.00	6877.45	0.00	8014.14	44698.07	0.00	0.00	0.00	904.57	14886.45	0.00	75380.72	75380.72	679525.70	679525.70
0.00	0.00	0.00	0.00	0.00	6877.45	0.00	8014.14	44698.07	0.00	0.00	0.00	904.57	14886.45	0.00	75380.72	75380.72	679525.70	679525.70
0.00	0.00	0.00	0.00	0.00	9194.50	0.00	10714.15	59757.12	0.00	0.00	0.00	1209.33	19901.84	0.00	100776.95	100776.95	679525.70	679525.70
0.00	0.00	0.00	0.00	0.00	9300.28	0.00	10837.41	60444.58	0.00	0.00	0.00	1223.24	20130.75	0.00	101936.31	101936.31	629935.47	629935.47
0.00	0.00	0.00	0.00	0.00	9194.50	0.00	10714.15	59757.12	0.00	0.00	0.00	1209.33	19901.84	0.00	100776.95	100776.95	679525.70	679525.70
0.00	0.00	0.00	0.00	0.00	9194.50	0.00	10714.15	59757.12	0.00	0.00	0.00	1209.33	19901.84	0.00	100776.95	100776.95	679525.70	679525.70
0.00	0.00	0.00	0.00	0.00	9194.50	0.00	10714.15	59757.12	0.00	0.00	0.00	1209.33	19901.84	0.00	100776.95	100776.95	679525.70	679525.70
0.00	0.00	0.00	0.00	0.00	6718.46	0.00	7828.87	43664.76	0.00	0.00	0.00	883.66	14542.35	0.00	73638.10	73638.10	733020.00	733020.00
0.00	0.00	0.00	0.00	0.00	6718.46	0.00	7828.87	43664.76	0.00	0.00	0.00	883.66	14542.35	0.00	73638.10	73638.10	733020.00	733020.00
0.00	0.00	0.00	0.00	0.00	6718.46	0.00	7828.87	43664.76	0.00	0.00	0.00	883.66	14542.35	0.00	73638.10	73638.10	733020.00	733020.00
0.00	0.00	0.00	0.00	0.00	6718.46	0.00	7828.87	43664.76	0.00	0.00	0.00	883.66	14542.35	0.00	73638.10	73638.10	733020.00	733020.00
0.00	0.00	0.00	0.00	0.00	9356.56	0.00	10902.99	60810.34	0.00	0.00	0.00	1230.64	20252.61	0.00	102553.14	102553.14	733020.00	733020.00
0.00	0.00	0.00	0.00	0.00	9356.56	0.00	10902.99	60810.34	0.00	0.00	0.00	1230.64	20252.61	0.00	102553.14	102553.14	733020.00	733020.00
0.00	0.00	0.00	0.00	0.00	9356.56	0.00	10902.99	60810.34	0.00	0.00	0.00	1230.64	20252.61	0.00	102553.14	102553.14	733020.00	733020.00
0.00	0.00	0.00	0.00	0.00	9356.56	0.00	10902.99	60810.34	0.00	0.00	0.00	1230.64	20252.61	0.00	102553.14	102553.14	733020.00	733020.00

0.00	0.00	-1593.31	-1046.50	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.73	-0.57	-1.14	0.02	0.00	-1.14
0.00	0.00	-1564.81	-1018.00	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.75	-0.59	-1.14	0.02	0.00	-1.14
0.00	0.00	-2002.07	-1455.25	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.83	-0.68	-1.33	-0.18	0.00	-1.33
0.00	0.00	-1926.83	-1380.01	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.82	-0.66	-1.30	-0.15	0.00	-1.30
0.00	0.00	-1951.07	-1239.25	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.13	-1.98	-1.99	-0.83	0.00	-1.99
0.00	0.00	-1919.74	-1207.92	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.16	-2.01	-1.99	-0.83	0.00	-1.99
0.00	0.00	-2410.11	-1698.30	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.21	-2.06	-2.26	-1.11	0.00	-2.26
0.00	0.00	-2318.64	-1606.83	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.17	-2.01	-2.20	-1.04	0.00	-2.20
0.00	0.00	-1459.74	-1239.25	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.34	-1.19	-1.99	-0.83	0.00	-1.99
0.00	0.00	-1428.41	-1207.92	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.35	-1.20	-1.99	-0.83	0.00	-1.99
0.00	0.00	-1918.78	-1698.30	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.56	-1.40	-2.26	-1.11	0.00	-2.26
0.00	0.00	-1827.31	-1606.83	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.50	-1.34	-2.20	-1.04	0.00	-2.20
0.00	0.00	-1882.59	-1141.73	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.02	-1.87	-1.83	-0.68	0.00	-1.83
0.00	0.00	-1851.27	-1110.40	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.05	-1.90	-1.83	-0.67	0.00	-1.83
0.00	0.00	-2305.07	-1564.20	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.07	-1.92	-2.08	-0.93	0.00	-2.08
0.00	0.00	-2225.79	-1484.92	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.04	-1.89	-2.03	-0.87	0.00	-2.03
0.00	0.00	-1513.33	-1259.02	0.00	1.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.38	-1.05	-1.98	-0.65	0.00	-1.98
0.00	0.00	-1391.26	-1141.73	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.23	-1.08	-1.83	-0.68	0.00	-1.83
0.00	0.00	-1478.92	-1224.61	0.00	1.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.39	-1.06	-1.98	-0.65	0.00	-1.98
0.00	0.00	-1359.94	-1110.40	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.24	-1.09	-1.83	-0.67	0.00	-1.83
0.00	0.00	-1813.74	-1564.20	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.42	-1.26	-2.08	-0.93	0.00	-2.08
0.00	0.00	-1946.94	-1656.57	0.00	1.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.29	-1.03	-1.95	-0.69	0.00	-1.95
0.00	0.00	-1734.46	-1484.92	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.37	-1.21	-2.03	-0.87	0.00	-2.03
0.00	0.00	-1876.57	-1622.26	0.00	1.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.52	-1.18	-2.18	-0.84	0.00	-2.18
0.00	0.00	17980.51	17980.51	0.13	0.00	0.10	0.00	0.10	0.00	0.10	0.03	0.13	0.03	0.13	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00	0.00	17980.51	17980.51	0.13	0.00	0.10	0.00	0.10	0.00	0.10	0.03	0.13	0.03	0.13	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00	0.00	17980.51	17980.51	0.13	0.00	0.10	0.00	0.10	0.00	0.10	0.03	0.13	0.03	0.13	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00	0.00	24339.49	24339.49	0.18	0.00	0.14	0.00	0.14	0.00	0.14	0.04	0.18	0.04	0.18	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00	0.00	24339.49	24339.49	0.18	0.00	0.14	0.00	0.14	0.00	0.14	0.04	0.18	0.04	0.18	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00	0.00	24339.49	24339.49	0.18	0.00	0.14	0.00	0.14	0.00	0.14	0.04	0.18	0.04	0.18	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00	0.00	6516.39	6516.39	0.11	0.00	0.10	0.00	0.10	0.00	0.10	0.01	0.11	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	6516.39	6516.39	0.11	0.00	0.10	0.00	0.10	0.00	0.10	0.01	0.11	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	17980.51	17980.51	0.13	0.00	0.10	0.00	0.10	0.00	0.10	0.03	0.13	0.03	0.13	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00	0.00	6516.39	6516.39	0.11	0.00	0.10	0.00	0.10	0.00	0.10	0.01	0.11	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	6516.39	6516.39	0.11	0.00	0.10	0.00	0.10	0.00	0.10	0.01	0.11	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	8711.80	8711.80	0.15	0.00	0.14	0.00	0.14	0.00	0.14	0.01	0.15	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	24339.49	24339.49	0.18	0.00	0.14	0.00	0.14	0.00	0.14	0.04	0.18	0.04	0.18	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00	0.00	8711.80	8711.80	0.15	0.00	0.14	0.00	0.14	0.00	0.14	0.01	0.15	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	8711.80	8711.80	0.15	0.00	0.14	0.00	0.14	0.00	0.14	0.01	0.15	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	8711.80	8711.80	0.15	0.00	0.14	0.00	0.14	0.00	0.14	0.01	0.15	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	4285.69	4285.69	0.11	0.00	0.10	0.00	0.10	0.00	0.10	0.01	0.11	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	4285.69	4285.69	0.11	0.00	0.10	0.00	0.10	0.00	0.10	0.01	0.11	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	4285.69	4285.69	0.11	0.00	0.10	0.00	0.10	0.00	0.10	0.01	0.11	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	4285.69	4285.69	0.11	0.00	0.10	0.00	0.10	0.00	0.10	0.01	0.11	0.01	0.11	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	5968.53	5968.53	0.15	0.00	0.14	0.00	0.14	0.00	0.14	0.01	0.15	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	5968.53	5968.53	0.15	0.00	0.14	0.00	0.14	0.00	0.14	0.01	0.15	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	5968.53	5968.53	0.15	0.00	0.14	0.00	0.14	0.00	0.14	0.01	0.15	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00	0.00	5968.53	5968.53	0.15	0.00	0.14	0.00	0.14	0.00	0.14	0.01	0.15	0.01	0.15	0.00	0.00	0.00	0.00	0.00	0.01	0.00

## APPENDIX B: OCPA Maximum Funding

The following formula was established to calculate the maximum annual funding request for CCAs that elect to administer EE programs.

CCA maximum funding = total electricity energy efficiency non-bypassable charge collections from the CCA's customers – (total electricity energy efficiency non-bypassable charge collections from the CCA's customers \* % of the applicable IOU portfolio budget that was dedicated to statewide and regional programs in the most recently authorized program cycle)

OCPA will be the first CCA that is requesting to elect to administer EE programs while in the process of initially launching service to customers. In addition, OCPA is the first CCA to elect to administer in SDG&E territory, and the first in a joint electric-IOU region (see Table 1). For these reasons, OCPA outlines the data sources and methodology to calculate the maximum annual funding request below, starting with the first half of the formula, the electricity EE on-bypassable charge and then detailing the breakout of statewide and regional programs.

**Table 1. OCPA Jurisdictions**

Jurisdiction	SCE	SDG&E
City of Buena Park	X	
City of Huntington Beach	X	
City of Fullerton	X	
City of Irvine	X	
County of Orange	X	X

### Electricity EE Non-bypassable Charge

Since OCPA is still in the process of launching services to customers, OCPA coordinated with SCE and SDG&E for the EE non-bypassable charge collections from OCPA jurisdictions. To calculate the anticipated total electricity energy efficiency non-bypassable charge collections from OCPA customers, OCPA requested data from SCE and SDG&E and then accounted for opt-out rates forecasted for residential and non-residential customers.

SDG&E provided a breakdown of Electric Public Purpose Program (PPP) collected by month as seen in table 2 below and the percent collection towards EE program collection (table 3) to determine the total electric EE collection within OCPA jurisdictions.

**Table 2. Orange County Electric PPP from SDG&E**

Bill Date (YYYYMM)	TOWN NAME	Public Goods Charge (\$)
202101	COUNTY OF ORANGE	\$ 290,723.66
202102	COUNTY OF ORANGE	\$ 242,336.83
202103	COUNTY OF ORANGE	\$ 199,792.83
202104	COUNTY OF ORANGE	\$ 192,267.23
202105	COUNTY OF ORANGE	\$ 184,494.25
202106	COUNTY OF ORANGE	\$ 196,048.60
202107	COUNTY OF ORANGE	\$ 232,570.23
202108	COUNTY OF ORANGE	\$ 272,805.17
202109	COUNTY OF ORANGE	\$ 277,819.28
202110	COUNTY OF ORANGE	\$ 248,745.18
202111	COUNTY OF ORANGE	\$ 212,967.36
202112	COUNTY OF ORANGE	\$ 258,236.88
<b>2021 Total</b>		<b>\$ 2,808,807.50</b>

**Table 3. EE collection of total Electric PPP**

Total Orange County Electric PPP Collection	\$2,808,808
Percent EE Collection of Total Electric PPP Collection <sup>3</sup>	10.53%
Total Orange County Electric EE Collection	\$295,737

**SDG&E Electric EE collection within OCPA jurisdictions: \$295,737**

SCE provided the percent contribution of PPP collections within OCPA jurisdictions in 2021. To determine the collection amount, OCPA multiplied this amount by SCE’s total approved EE funding in 2022 as detailed in table 4.

**Table 4. EE Collection of Total Electric PPP Within OCPA Jurisdictions (2022 forecasted)**

<sup>3</sup> Source of Percent EE Collection of Electric PPP: Advice Letter 3620-E



SCE 2021 PPPC collection within OCPA jurisdictions	5.29%
Total EE Electric PPPC collection in SCE territory <sup>4</sup>	\$331,808,005
<b>Total OCPA jurisdiction electric EE Collection</b>	<b>\$17,536,053</b>

To account for opt-outs, OCPA deducted the anticipated contributions from customers that could opt out within the OCPA jurisdictions as detailed in table 5 below.

**Table 5. Total OCPA Electric EE PPP Collection with Opt-out**

		SCE	SDG&E
Residential	OCPA customers <sup>5</sup>	49.70%	49.70%
	Contribution	\$8,715,418	\$146,981.29
	Opt out rate <sup>6</sup>	5.00%	5.00%
Non-Residential	OCPA customers	50.3%	50.30%
	Contribution	\$8,820,635	\$148,755.71
	Opt out rate <sup>7</sup>	10.00%	10.00%
Residential	Contribution (with opt-out)	\$8,279,647	\$139,632.22
Non-Residential	Contribution (with opt-out)	\$7,938,571	\$133,880.14
<b>Total OCPA Electric EE PPP collection with opt-out</b>		<b>\$16,218,219</b>	<b>\$273,512</b>

**Anticipated Electric EE collection from OCPA customers: \$16,491,731**

## Statewide and Regional Program Funding Determination

Since OCPA overlaps with SCE and SDG&E territories, OCPA determined the total portion of funding dedicated to regional and statewide programs within both utilities' regions. To

<sup>4</sup> Based on 2022 budget recovery request for IOU and REN recovery budget as outlined in SCE AL 4633-E, table 2 and 4633-E-A NSD letter, Table 1. AB841 and OBF Loan Pool were excluded.

<sup>5</sup> Provided by SCE based on 2021 data

<sup>6</sup> Orange County Power Authority Community Choice Aggregation Implementation Plan and Statement of Intent - Amendment No. 1, pg. 20

<sup>7</sup> Orange County Power Authority Community Choice Aggregation Implementation Plan and Statement of Intent - Amendment No. 1, pg. 20

determine the portion of funding used for IOU statewide and regional programs, OCPA requested the program budget and categorization of programs from SCE, SDG&E's program year 2022-23 annual budget advice letters and reviewed information listed on CEDARS as of May 2022.

SDG&E no longer funds local government partnerships (LGPs) and all programs are categorized as statewide or regional. SCE confirmed that only the remaining funding for LGP programs were not categorized as statewide or regional.

**Table 6. Programs for SDG&E ETA Funding Determination**

Total 2022 SDG&E Program Budget	\$82,732,386
Non-statewide/non-regional programs	\$0
% allocation towards non-statewide/non-regional programs	0.00%
Electric component (90%)	\$0

**Table 7. Programs for SCE ETA Funding Determination**

Total 2022 SCE Program Budget	\$300,200,891
Non-statewide/non-regional programs: legacy LGPs	\$316,922 <sup>8</sup>
% allocation towards non-statewide/non-regional programs	0.11%

For regional energy networks (RENs), OCPA determined all program budgets for I-REN and 3C-REN to be non-statewide or non-regional since these RENs only serve portions of SCE service territory and are therefore not "regional programs"<sup>9</sup>. RENs do not currently support any statewide programs, but OCPA categorized EM&V as statewide based on the definition adopted in D.14-01-033.<sup>10</sup> Since SoCalREN covers all of SCE's service territory, OCPA coordinated with SoCalREN on the categorization of their programs within their 2022-23 bi-annual budget advice letter. All budgets were captured based on the SCE contributions to programs in the SCE annual budget advice letter for the 2022 program year (AL 4633-E-A, pg 16).

<sup>8</sup> Per SCE, only legacy LGPs are included as the non-regional, non-statewide programs in 2022

<sup>9</sup> As defined in D.14-01-033, pg.25

<sup>10</sup> Pg. 25

**Table 8. SoCalREN programs for ETA Funding Determination**

Status: Statewide; Regional; Other	Program Sector	Program ID	Program Name	2022 Program Budget (\$)	SCE allocation <sup>11</sup> (%)	2022 Electric Budget (\$)
Other	Cross-Cutting	SCR-FIN-C1	Public Agency Revolving Loan Fund	\$550,000	85.90%	\$472,450
Other	Public	SCR-PUBL-B 2	DER DAC Project Delivery Program	\$4,071,000	90.84%	\$3,698,096
					<b>Subtotal</b>	<b>\$4,170,546</b>
Statewide	Cross-Cutting	SCR-EMV-01	SoCalREN EM&V	\$285,153	81.63%	\$232,783
Regional	Public	SCR-PUBL-B 1	Energy Efficiency Project Delivery Program	\$7,069,078	90.84%	\$6,421,550
Regional	Public	SCR-PUBL-B 3	Public Agency NMEC Program	\$1,100,000	90.84%	\$999,240
Regional	Public	SCR-PUBL-B 4	Streamlined Savings Program	\$1,100,000	90.84%	\$999,240
Regional	Residential	SCR-RES-A1	Multifamily Program	\$9,117,671	69.54%	\$6,340,428
Regional	Residential	SCR-RES-A4	Residential Kits4Kids	\$1,128,329	69.54%	\$784,640
Regional	Cross-Cutting	SCR-WET-D1	Workforce Education & Training Program	\$750,000	80.00%	\$600,000
					<b>TOTAL</b>	<b>\$20,548,427</b>

<sup>11</sup> The percentage of electric contributions based on sector designation as provided by SoCalREN

**Table 9. Non-regional/Statewide Program Funding within SCE Service Territory (2022)**

<b>Program Administrator</b>	<b>2022 Filing Budget</b>	<b>Non-regional/statewide program funding</b>	<b>% of portfolio program funding</b>
SCE	\$300,200,891	\$316,922	0.11%
3C-REN	\$3,231,465	\$3,194,857	98.87%
I-REN	\$7,827,221	\$7,738,550	98.87%
SoCalREN	\$20,548,428	\$4,170,546	20.30%
<b>Total</b>	<b>\$331,808,005</b>	<b>\$15,420,875</b>	<b>4.65%</b>

## CCA Maximum Funding

The total annual dollars available to OCPA were calculated by combining the available funding within SCE and SDG&E service territory for OCPA.

**Table 10. Available Annual Funding by Service Territory**

<b>Available non-bypassable funding less Statewide &amp; Regional</b>		
	<b>SCE service territory</b>	<b>SDG&amp;E service territory</b>
Total anticipated dollar value of electric EE collection from OCPA customers	\$16,218,219	\$273,512
% of non-statewide/non-regional funding	4.65%	0.00%
Annual dollars available to OCPA	\$753,747	\$0

**Total annual dollars available to OCPA: \$753,747**

**3-year cap: \$2,261,240**