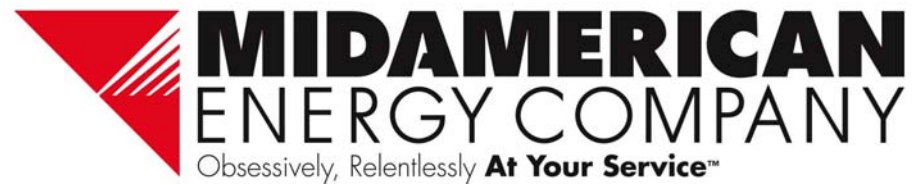


# 2019 Trade Ally Meeting



# Iowa 2019-2023 Energy Efficiency Plan

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## The Road to Approval:

- November 1, 2017 – Original Plan Filed – total budget \$359M – \$71.3M for 2019
- February 4, 2018 – SF2311 introduced – significant changes to Energy Efficiency in Iowa
- **May 4, 2018 – SF2311 signed by the Governor**
  - **Established budget limits on EE spending – equal to 2% of utility’s electric sales revenue or 1.5% of utility’s natural gas sales revenue**
  - **Allowed for Opt-out provision if specific criteria met at time of plan filing – RIM < 1.0**
  - **Requires separate line items on customers’ bills related to EE costs – Jan. 1, 2019**
- May 24, 2018 – Utilities ordered to file revised Plans that aligned with SF2311
- July 6, 2018 – MidAmerican filed revised Plan - aligned with SF2311, RIM >1.0 and total budget \$257M - \$48M for 2019
- November 19, 2018 – Iowa Utility Board contested case hearing
- February 18, 2019 – Revised 2019-2023 Plan approved by Iowa Utility Board with few changes
- February 19, 2019 – Implementation Contractors awarded contracts for 2019-2023 Plan
- April 1, 2019 – Effective date of the 2019-2023 Plan
  - Some program offerings may not be available before August 1, 2019

# Iowa 2019-2023 Energy Efficiency Plan

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- Plan is designed to offer a range of energy efficiency program options to all gas and electric customers at a reduced cost.
- Portfolio is designed to meet the varied needs of different customers, including:
  - Electric and natural gas customers;
  - Residential, commercial, industrial, agricultural, and governmental customers;
  - Large and small customers;
  - Homeowners, commercial building owners, and tenants;
  - Customers in existing and new buildings; and
  - Customers buying individual pieces of equipment and customers pursuing more comprehensive energy efficiency solutions.
- MidAmerican Energy commits in this plan to managing a total plan expenditures each year within the confines of the budgeted plan amounts
  - Cost management may include temporary reduction or suspension of incentives in certain programs as needed in order to appropriately manage customer costs.

# Iowa 2019-2023 Energy Efficiency Plan

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- **2019 – 2023 Plan Budget nearly \$257M** over the five years of the plan
  - Residential – \$62M = electric \$41M and gas \$21M
  - Nonresidential – \$128M = electric \$118M and gas \$10M
  - Demand Response – \$59M all customers
  - Trees/Regulatory Assessments – \$7M
- **Plan Year 2019 – total budget \$48.6M**
  - Residential EE Programs – \$11.6M = electric \$8M and gas \$3.6M
  - Nonresidential EE Programs – \$23M = electric \$21M and gas \$2M
  - Demand Response Programs – \$12M
  - Other programs – \$2M – Trees and regulatory assessments
- 80% of budget is returned to customers through services and rebates - approximately \$39M in 2019

# Iowa 2019-2023 Energy Efficiency Plan

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- Budgets as Percent of Forecasted Sales – aligns with SF2311 Budget Limits
  - Electric Energy Efficiency – 2% – approximately \$31 to \$35M per year
  - Natural Gas Energy Efficiency – 1.5% – approximately \$6 to \$7M per year
  - Demand Response – .8% of 2% – approximately \$12M per year
- 2019-2023 Plan Cumulative Electric Savings goals
  - Electric – 900M kWh
  - Natural gas – 8M therms
- The Plan is cost-effective and has a RIM score of 1.0 or greater for the combined electric energy efficiency and demand-side management programs, eliminating customer opt-out.

# Iowa 2019-2023 Energy Efficiency Plan Residential Programs

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- HomeCheck® Online – energy efficiency kit available after completion
- Residential Behavior – Home Energy Reports delivered to 220,000 customers at least twice each year
- Residential Equipment – HVAC measures
- Residential Low Income – State and supplemental weatherization
- Appliance Recycling
- Residential Load Management – SummerSaver<sup>SM</sup>
  - Load Control Receivers (LCRs) and qualified Smart Thermostats
  
- Discontinued programs
  - Residential New Construction
  - Upstream Retail Lighting
  - Plant Some Shade

# Iowa 2019-2023 Energy Efficiency Plan Residential Program Rebates

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- HomeCheck Online
  - An online home energy assessment is available to all MidAmerican Energy's residential customers
  - An energy-saving kit will be offered upon completion
  - An on-site assessment and Insulation rebates are no longer offered
- Residential Equipment
  - Natural gas furnaces – \$175 per unit for AFUE 96 and above
  - Central air conditioners – \$75 per unit to \$500 per unit based on SEER
  - EnergyStar certified Smart thermostats – \$75 per unit
- Appliance Recycling
  - Refrigerators and freezers – \$50 per unit
  - Window air conditioner units are no longer eligible

# Iowa 2019-2023 Energy Efficiency Plan Nonresidential Programs

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- Nonresidential Equipment
- Nonresidential Energy Solutions (NES)
- Nonresidential Load Management - Curtailment
- Commercial New Construction
- Income Qualified Multifamily Housing
  
- Discontinued Programs – all customers now served through NES program
  - Industrial Partners
  - Commercial Energy Solutions
  - Agribusiness
  - Multifamily Housing



# Iowa 2019-2023 Energy Efficiency Plan Nonresidential Program Rebates

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- Nonresidential Lighting rebates:
  - LED troffer fixtures/retrofit kits - \$15 to \$30 per fixture
  - LED hanging/suspended linear fixtures - \$30 per fixture
  - LED low and high bay fixtures and retrofit kits - \$40 to \$325 per fixture
  - LED linear replacement lamps - \$3.00 per lamp
  - LED outdoor area lighting - \$50 to \$150 per fixture
  - LED exterior fixtures (building, parking garage) - \$50 to \$100 per fixture
  - Ceiling mounted LED parking garage fixtures -\$135 to \$400 per fixture

# Iowa 2019-2023 Energy Efficiency Plan Nonresidential Program Rebates

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- Heating and Cooling rebates:
  - Natural gas furnaces – \$175 per unit with AFUE 96 and above
  - Natural gas boilers – \$4.00 to \$6.50 per Mbtuh and AFUE
  - Central air conditioners – \$75 to \$500 per unit based on SEER
- Discontinued rebates: (Not eligible for custom rebates unless indicated otherwise)
  - Motors (>500 HP eligible for custom rebates)
  - Furnace fan motors
  - Water heaters
  - Ground/Air-source Heat pumps and ductless mini-splits – **study being completed now that may help to bring these measures back into program in future years**
  - Packaged Terminal Air Conditioners
  - Building shell improvements
  - Commercial Kitchen Equipment (total replacement eligible for custom rebates)
  - Variable speed drives (>75 HP, process application not connected to fan/centrifugal pump; e.g., air compressor, chiller, blower, etc. eligible for custom rebates)
  - Chillers (> 299 tons eligible for custom rebates)

# Iowa 2019-2023 Energy Efficiency Plan Nonresidential Programs

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- **Nonresidential Energy Solutions**

This program now serves all nonresidential customers including those who previously participated in the Industrial Partners, Commercial Energy Solutions, Agribusiness and Multifamily programs.

- This new program promotes comprehensive energy efficiency for existing commercial buildings and industrial facilities through two offerings:
  - Small Business Express (SBE) – available by August 1, 2019
    - Delivered through Qualified Service Provider (QSP) network – Information on how to participate in the QSP network available in June 2019
  - Direct project assistance includes custom system projects
- Whole facility assessments and insulation rebates are no longer offered through this program

# Iowa 2019-2023 Energy Efficiency Plan Nonresidential Programs

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- **Commercial New Construction**

- All commercial new construction projects must go through this program to receive rebates; not eligible for prescriptive rebates
- No natural gas rebates available to commercial new construction projects; however, natural gas equipment will be included in building modeling to assist customers in determining best option
- Multifamily new construction incentives provided on a sliding scale based on whole building energy savings compared to energy code and per the number of units in the building
- Major renovation projects – two or more major systems being replaced
  - With Change in Use – only eligible for Commercial New Construction incentive
  - No Change in Use – eligible for the Commercial New Construction incentive and custom gas incentive based on the CNC modeled savings if funding available

# Iowa 2019-2023 Energy Efficiency Plan Multi-sector Program

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- **Trees Please! – Community grants**
- **Income Qualified Multifamily Housing**
  - Building must be at least 10 years old and have:
    - Been developed under the Section 8 of the U.S. Housing Act of 1937 or Low-Income Housing Tax Credit under the Tax Reform Act of 1986
    - Housing and Urban Development’s Sectional Housing Types of Section 202 or Public Housing
    - U.S. Department of Agriculture’s Section 515 Rural Rental Housing
    - Any other affordable housing building not mentioned above will be reviewed on a case-by-case basis to determine eligibility to participate.
  - The program provides:
    - Comprehensive on-site energy assessment
    - Free direct installation measures in common areas and residential units
    - Incentives for measures identified during the assessment
  - Air sealing and attic insulation direct installation measures now included:
    - Delivered through QSP network – Find out how to participate in the QSP network after today’s meeting

# How to become an IQMF QSP

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- Contact one of the following to discuss the QSP opportunity further: (Available after today's meeting)
  - Emily Rice - [EmilyRice@theenergygroup.biz](mailto:EmilyRice@theenergygroup.biz)  
515-564-1045
  - Kelly Needles - [kellyneedles@theenergygroup.biz](mailto:kellyneedles@theenergygroup.biz)  
515-564-1045
  - Carly Smith - [CSSmith@midamerican.com](mailto:CSSmith@midamerican.com)  
563-333-8206

# Revised Iowa Qualifications and Conditions

- Rebates are issued on a first-come, first-served basis. Rebates and incentives are offered until approved funds are exhausted or through December 31, 2019, whichever comes first.
  - MidAmerican Energy will provide periodic program budget updates as necessary
- Prescriptive equipment must be purchased, installed and operating between Apr. 1, 2019 and Dec. 31, 2019 prior to submission of final rebate application. Additionally,
  - Residential Equipment Rebate applications for equipment/material purchased must be submitted within **45 days of dealer invoice** or by January 31, 2020, whichever comes first.
  - Nonresidential Equipment Rebate applications for equipment/material purchased must be submitted within **90 days of dealer invoice** or by January 31, 2020, whichever comes first.
    - Assumes funding remains available
    - Helps with cost management and allows for better updates about available funding
- Rebates will be issued within 4 weeks of approved application

# New Iowa Rebate Caps

- **Rebate caps**

The rebate caps are based on actual payments (prescriptive and/or custom) per customer and applies even if payments for some or all projects are paid to one or more trade allies. Below are the rebate caps that may apply to customers and/or projects:

- **Nonresidential Prescriptive:** Electric prescriptive rebates are capped at \$25,000 per measure/project. Gas prescriptive rebates are capped at \$5,000 per measure/project.
- **Custom:** Custom rebates are limited to \$100,000 per project.
- **Commercial New Construction:** Commercial New Construction rebates are limited to \$200,000 per building. Major renovation rebates (combination of CNC plus natural gas custom incentive) will be limited to \$200,000 per building as well.
- **Total customer rebate:** Customer rebates received across all projects under one tax identification number are limited to \$250,000 per program year, excluding rebates received through the Commercial New Construction program unless remaining funding is available and distributed according to the approved Revised Stipulation and Agreement approved by the Iowa Utility Board.



# Implementation Contractor Changes

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Program	IA, SD and NE*	IL**
Residential Equipment	<u>Nexant</u> 877-932-0616	ATEC 800-894-9599
Residential Assessment	N/A	ATEC 800-545-0762
Appliance Recycling	<u>CLEARresult</u> 800-621-2757	<u>CLEARresult</u> 800-621-2757
Nonresidential Equipment	<u>Nexant</u> 877-932-0616	ATEC 800-894-9599
Commercial Energy Solutions	N/A	<u>CLEARresult</u> 800-292-6448
Industrial Partners	N/A	<u>Nexant</u> 800-432-8583
Nonresidential Energy Solutions	<u>Nexant</u> 877-932-0616	N/A
Commercial New Construction	<u>Weidt Group</u> 877-939-1874	<u>Weidt Group</u> 877-939-1874
Low Income Multifamily now Income Qualified Multifamily	The Energy Group 800-318-8915	The Energy Group 800-318-8915
Call Center and Rebate Processing	<u>Nexant</u> 877-932-0616	ATEC 800-894-9599
Trade Ally Outreach	<u>Nexant</u> 877-290-4517	<u>Nexant</u> 877-290-4517
Residential Load Management - <u>SummerSaver</u>	<u>CLEARresult</u> 800-437-2976	<u>CLEARresult</u> 800-437-2976

\*Effective April 1, 2019 through December 2023

\*\*Ends December 31, 2019 and then transfers to same contractors in IA, SD and NE

# South Dakota's 2018-2022 Plan

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- **Plan Year 2018 Performance**
  - Residential electric and gas programs – 99% of budget spent – \$45,714 and \$499,738
  - Nonresidential electric and gas programs – 55% and 108% of budget spent – \$13,341 and \$52,468
- **Plan Year 2019 – total budget approximately \$624,614**
  - Residential programs – electric \$46,653 and natural gas \$504,393
  - Nonresidential programs – electric \$24,804 and natural gas \$48,765
  - Anticipate some programs being suspended again in 2019
  - Reduction in HVAC measure rebates anticipated for 2020
- **General Qualifications and Conditions reminders**
  - Rebates are issued on a first-come, first-served basis. Rebates and incentives are offered until approved funds are exhausted or through December 31, 2019, whichever comes first.
    - MidAmerican Energy will provide periodic program budget updates as necessary
  - Rebate payment cannot exceed 50 percent of the install cost (equipment and reasonable contractor labor only).
  - All rebate applications, required documentation and invoices must be submitted within **90 days** of dealer invoice or by **Jan. 31, 2020**, whichever comes first, for the equipment/material purchased.
    - Assumes funding remains available

# 2019 Illinois Plan Extension

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- Illinois received approval for one-year extension of current Plan
  - 2019 programs and rebates continue through Dec. 31, 2019
  - Equipment must be purchased and installed by Dec. 31, 2019 and applications received on or before January 31, 2020.
- MidAmerican Energy will file a 2020-2023 Plan by July 1, 2019
  - Anticipate this proposed Plan will be similar to the 2019-2023 Iowa Plan

# 2019 Illinois Program Changes

Program	Project/Equipment	Qualification Update/Change	Description of update
<b>Residential Programs</b>			
Appliance Recycling	Window air conditioners	Eligibility and rebate	Window air conditioners are no longer eligible to receive a rebate.
Residential Assessments-Homecheck	New Assessment	Qualification deadline	On-site energy assessment must be scheduled and completed by 12/20/19.
Residential Assessments-Homecheck	Follow-up Measures and Bonus Rebates	Qualification deadline	Upgrades must be purchased and installed by 12/31/19.
Residential Equipment	Heat Pump Water Heaters	Qualification update	EF qualification levels are replaced with Uniform Energy Factor (UEF) qualification levels. <ul style="list-style-type: none"> <li>Heat pump water heater is <math>UEF \geq 2.0</math></li> </ul>
<b>Nonresidential Programs</b>			
Commercial Energy Solutions	Building Operator Certification (BOC)	Eligibility and rebate	BOC training will no longer be mandatory to participate.
Building Shell	Energy-efficient windows	Eligibility and rebate	Equipment will no longer be eligible to receive a rebate.
Nonresidential Equipment	Natural Gas Storage Water Heaters	Qualification update	EF and TE qualification levels are replaced with UEF qualification levels. <ul style="list-style-type: none"> <li>Small medium draw is <math>UEF \geq 0.64</math>.</li> <li>Small high draw is <math>UEF \geq 0.68</math>.</li> <li>Large medium draw is <math>UEF \geq 0.78</math>.</li> <li>Large high draw is <math>UEF \geq 0.80</math>.</li> </ul>
Nonresidential Equipment	Natural Gas Tankless Water Heaters	Qualification update	EF and TE qualification levels are replaced with UEF qualification levels. <ul style="list-style-type: none"> <li>Small and large each are <math>UEF \geq 0.87</math>.</li> </ul>

# Trade Ally Network

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- MidAmerican Energy will continue to maintain a trade ally network
- All participating trade allies will be in the network
  - Find a Contractor Search tool
  - Unless a participating QSP – MEC insurance requirements eliminated
  - Proof of license and insurance coverage still required
- Trade Ally Ambassadors – Every Trade Ally's first point of contact; but Nexant's Call Center can provide rebate processing updates and other general program/rebate information as well
- New tools anticipated for 2020 – Lighting online forms demonstration after today's meeting

# SummerSaver<sup>SM</sup> – Cycling of Air Conditioners

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- Helps reduce energy demand in the summer months
  - By cycling participating residential air conditioners
  - Allowing us to use our generating capacity more efficiently
- When can an event be called?
  - On hot summer days when there is a possibility of a system peak demand
  - When operational conditions require use of the program
- Who is eligible to participate
  - Single Family Homes in Iowa, Illinois and South Dakota
  - Owned, not Rented
  - Central AC Unit(s) or Air-Source Heat Pump
  - *Geothermal heat pumps and window AC units not eligible*
- SummerSaver<sup>SM</sup> Season
  - June 1 through September 30
  - Weekdays only/No holidays
  - Typically 2 p.m. – 7 p.m.

## SummerSaver<sup>SM</sup> – How it works

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- A cycling device, Load Control Receiver (LCR), is installed on the siding outside of the air conditioner/air-source heat pump
- Wired into the existing thermostat control circuit and acts as a switch, allowing us to cycle air conditioner compressors off and on during peak usage days
- The cycling device does not control the indoor air conditioner blower fan, so previously cooled air continues to circulate throughout the house.

# MidAmerican Needs You

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- Qualified Service Providers are needed to help install, maintain or remove LCRs in place across our service territories in Iowa, Illinois and South Dakota utilized by the SummerSaver<sup>SM</sup> program:
  - Opportunity for many providers throughout the territories
  - Replacements and new installations typically occur in the spring and fall which can supplement your normal workload
  - Removals and trouble-shooting typically on as-needed basis



# How to become a SummerSaver<sup>SM</sup> QSP

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- Contact one of the following to discuss the QSP opportunity further:
  - Bob Nichols - [robert.nichols@clearesult.com](mailto:robert.nichols@clearesult.com)  
678-925-5210
  - Amy Luebbert - [amy.luebbert@clearesult.com](mailto:amy.luebbert@clearesult.com)  
515-992-7018
- Next Step to become a SummerSaver<sup>SM</sup> QSP:
  - Provide us with Contact Information after the meeting
  - CLEAResult will contact you to discuss the program in further detail
  - Contract & Insurance requirements met
  - Training for your Service Techs by CLEAResult

# Questions?

Lighting Online Form Demonstration will start in 15 minutes and  
Find out more about QSP opportunities at tables in the back of this room



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