



Energy Trends Workshop

May 4, 2023

Market Trends

- Declining Potential
 - High Saturation
 - Equipment standards/increasing baselines
 - DOE final order regarding Screw-based lighting
 - Few new/emerging technologies
- Lingering effects of COVID-19
 - Inflation/rising costs
 - Supply chain and workforce constraints
 - Financial hardship/income uncertainty
- Inflation Reduction Act
- Customer expectations and interactions



Alliant Energy's Approach

- Move incentives upstream
- Integrated energy efficiency and demand response
- Invest in work force training and education
- Increase income qualified threshold
- Continue to invest in awareness and education
- Monitor IRA grant process

Efficient Products

Marketplace

- Advanced Power Strips
- ENERGY STAR Dehumidifier
- Holiday String Lighting
- Residential Advanced Thermostat
- Room Air Conditioner with DR enabled
- Room Air Purifiers
- Small Commercial Advanced Thermostats
- Window Insulation Kits

* Non-rebated products will also be offered to enhance customer experience

** Non-energy savings DR enablement products will be offered (EV charger controls, water heater controls, and other control devices)

Midstream

- Air Conditioning
- Air Source Heat Pumps
- Commercial Kitchen
- Commercial Integrated LED Fixture and Controls
- Commercial Package Terminal Systems
- Dairy/Agriculture Measures (selected)
- Ductless Heat Pumps
- Furnace
- Geothermal Heat Pumps
- Heat Pump Water Heater
- Horticulture Lighting Fixtures

Downstream

- Custom Rebates
 - Includes VFDs, motor upgrades, compressed air systems, and select dairy/agriculture measures
- Retrocommissioning
- Selected Agricultural measures (limited timeline)

Efficient Services

Home Energy Report

- Residential customers
- Supported by MY HOME dashboard (Energy Education and Awareness program)

Business Energy Solutions

- Lighting retrofits
- Refrigeration retrofits
- Tune Ups
 - Electric HVAC equipment
 - Refrigeration equipment (Business/Agriculture)

New Construction

- Commercial new construction
 - Streamlined (fast track)
 - Standard
 - Enhanced
 - Industrial new construction

Appliance Recycling

- Refrigerator recycling
- Freezer recycling
- Room A/C recycling (during fridge/freezer pick-up)

Comprehensive Income Qualified

IQ Single Family

- Direct install measures
 - LEDs
 - Advanced power strips
 - Water conservation measures
 - Thermostats*
- Retrofit projects
 - Weatherization
 - Heat pump water heaters
 - Furnaces

IQ Multifamily

- Direct install measures
 - LEDs
 - Advanced power strips
 - Water conservation measures
 - Thermostats*
- Common area lighting/controls
- Whole building retrofits

Moderate IQ Single Family

- Direct install measures
 - LEDs
 - Advanced power strips
 - Water conservation measures
 - Thermostats*
- Retrofit projects
 - Weatherization
 - Heat pump water heaters
 - Furnaces
- Co-pay amount TBD

* Initial plan is to offer smart thermostats with DR enablement within all Comprehensive IQ program pathways or programmable as an alternative

Energy Awareness & Education

Energy Education

- My Home (residential web-portal)
- Energy Edge (nonresidential web-portal)
- LivingWise (School Energy Education)
- Online Assessments (Res and Nonres)

Non-Targeted Awareness

- PowerHouse TV
- Advertising
- Tree plantings

Nonresidential Technical Assistance

- Business Energy Assessments – ASHRAE Level 1
- Nonresidential Audits (20k sq. ft. or larger) – ASHRAE Level 2
- Feasibility Studies – ASHRAE Level 3
- Agriculture Assessments

Demand Response

Rate Plans

- Peak time rebates
 - Residential customers only
 - \$/kWh saved incentive over peak event
 - Typical notifications include day-ahead and 4-hour notifications prior to event
 - May include summer and winter events
 - Customers can choose not to participate in events (no penalty)

Nonresidential Interruptible

- Existing DR offering
- Large commercial and industrial customers
- Ability to curtail a minimum of 200 kW

Direct Load Control

- Bring your own device (BYOD)
 - Smart thermostats
 - Water heater control
 - Electric vehicle charger control and telematics
 - Room AC control
- Phasing out existing Appliance Cycling offering
 - AC switches