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ComEd Energy Efficiency Income Qualified Overview

IQ-North Committee

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IQ Energy Efficiency Programs

Julie Hollensbe,
Sr Manager Residential Programs Implementation



Home Energy Savings

Program provides a comprehensive set of products and services to help 'single family' income eligible customers save energy and reduce energy bills

- Serves single-family homes, two-flats, condos and townhomes
- Jointly administered by ComEd, Nicor Gas, Peoples Gas & North Shore Gas
- Implementation Contractor: Resource Innovations
- Program components: home energy assessments and retrofits
- Centralized online tool and call center resources for customer screening and sign-up
- Free to income eligible customers

Home Energy Assessment (HEA)

Participating customers receive:

- **Visual inspection** of home and energy efficiency features
- **Direct installation or delivery** of energy saving products
- **Customized Home Assessment Report** detailing additional ways to save
- **Virtual** option using mobile device or tablet and video-sharing software

Products include:

- ENERGY STAR certified LEDs
- WaterSense® certified showerheads & faucet aerators
- Water heater pipe wrap
- Advanced power strips
- Programmable or ENERGY STAR certified smart thermostat



Income Eligible component:

- Free ENERGY STAR certified smart thermostats and advanced power strips
- Customized report includes additional utility program opportunities and resources to help customers further reduce and manage utility costs
- Income eligibility: 80% Area Median Income (AMI). Customers can self-identify.

Additional Highlights :

- Program delivery partners
 - Franklin Energy: assessments
 - Green Home Experts: products supplier
 - CMC Energy: QAQC
- Launching a new online tool to help better match customers to eligible program components
- Developing outreach & enrollment strategy for community partners

Retrofits

Qualifying customers can receive a deeper, energy efficiency retrofit that includes a comprehensive set of energy saving products and health & safety improvements

Braided:

- **Funding** - “braid” federal, state, and utility in coordination with Illinois Department of Commerce and Economic Opportunity (DCEO) and participating Community Action Agencies (CAAs)
- **Program delivery** - Leverages Illinois Home Weatherization Assistance Program (IHWAP) infrastructure
- **Income Eligibility:** 200% federal poverty level
- **Eligible measures:**
 - Air sealing & insulation
 - HVAC & water heater repair or replacement
 - Refrigerator replacement
 - Direct-install measures
 - Health and safety

Non-Braided:

- **Funding** - Utility-only
- **Program delivery:**
 - Contractor network for assessments and retrofits: DNR Construction, Urban Efficiency, Anura Energy, Community and Economic Association of Cook County (CEDA) & Community Contacts, Inc. (CCI)
 - Partnership with Chicago Bungalow Association (CBA) and Chicagoland Vintage Home Association (CVHA) for customer recruitment, enrollment and experience
- **Income Eligibility:** 80% Area Median Income
- **Eligible measures:**
 - Air sealing & insulation
 - Emergency HVAC replacement (furnace, AC, water heater)
 - Direct-install measures
 - Heat pumps
 - Health and safety

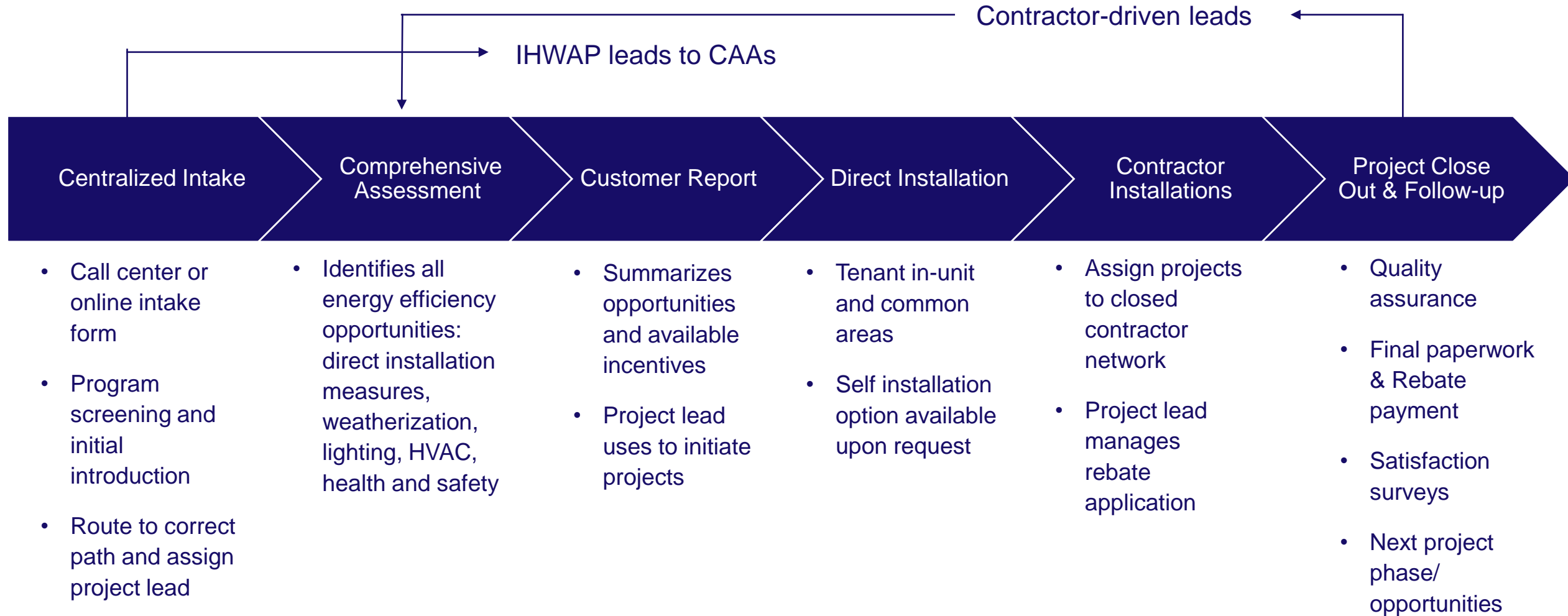
Multi-Family Energy Savings

Program provides a comprehensive set of incentives and services to help multi-family and public housing properties and tenants save energy and reduce energy bills

- Serves apartments and housing cooperatives with three or more residential units and all public housing authorities
- Jointly administered by ComEd, Nicor Gas, Peoples Gas & North Shore Gas
- Implementation Contractor: Franklin Energy
- Delivery Partners include:
 - Elevate Energy
 - CMC Energy
 - Resource Innovations
 - Shelton Solutions
 - Green Home Experts
 - EESP/Contractor Network
 - Participating CAAs
- Centralized online intake tool (www.MultiFamilyPortal.com)
- Program is free to tenants with higher incentives to income eligible and public housing property owners/managers



Multi-Family Journey





Product Distribution

Program provides free energy efficiency products and kits through a variety of community partners:

1. **Community Action Agency*** – energy saving kits distributed in coordination with Community Action Agency (CAA) administration of LIHEAP.
 2. **Elementary Schools*** - energy savings kits to 5th grade teachers and students. Curriculum support, activities and virtual performances available to 3rd - 5th grade classrooms. Schools located in designated income eligible zip codes receive additional kit products.
 3. **Food Banks & Pantries** - ENERGY STAR certified LEDs and other EE products distributed through to local food banks and pantries.
- Implementation Contractor: Walker Miller

* Program jointly administered by ComEd, Nicor Gas, Peoples Gas & North Shore Gas

Retail

Program provides instant in-store discounts on select energy efficient products at the point of purchase.

- Discounted products include ENERGY STAR certified:
 - LEDs
 - Air purifiers & dehumidifiers
 - Room air conditioners
 - Bathroom vent fans
 - Water dispensers
 - Advanced power strips*
- Deeper discounts available at nearly 300 participating retailer locations within designated income eligible zip codes
- Look for the ComEd “Lower Price” sticker at participating retailers
- Limited Time Offers also available periodically to targeted customers for select products online.



* product category is not ENERGY STAR certified

Affordable Housing New Construction

Program provides technical assistance and financial incentives to developers of single family and multi-family new construction and renovation housing projects for income eligible residents.

- Eligible projects:
 - Housing units reserved for households at or below 80% Area Median Income (AMI),
 - Meet or exceed the current Illinois Energy Conservation Code and incorporate whole-building energy efficiency measures
- Implementation Contractor: Slipstream
- Incentives based on gross square footage of eligible living space
- Early engagement with developers inform and improve the efficiency standards of the building envelope, HVAC, lighting, appliances and hot water systems
- Jointly funded with Nicor Gas

ENERGY OPTIONS



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Strategic Initiatives

Phil Halliburton,
Manager, Residential Journey Coordination

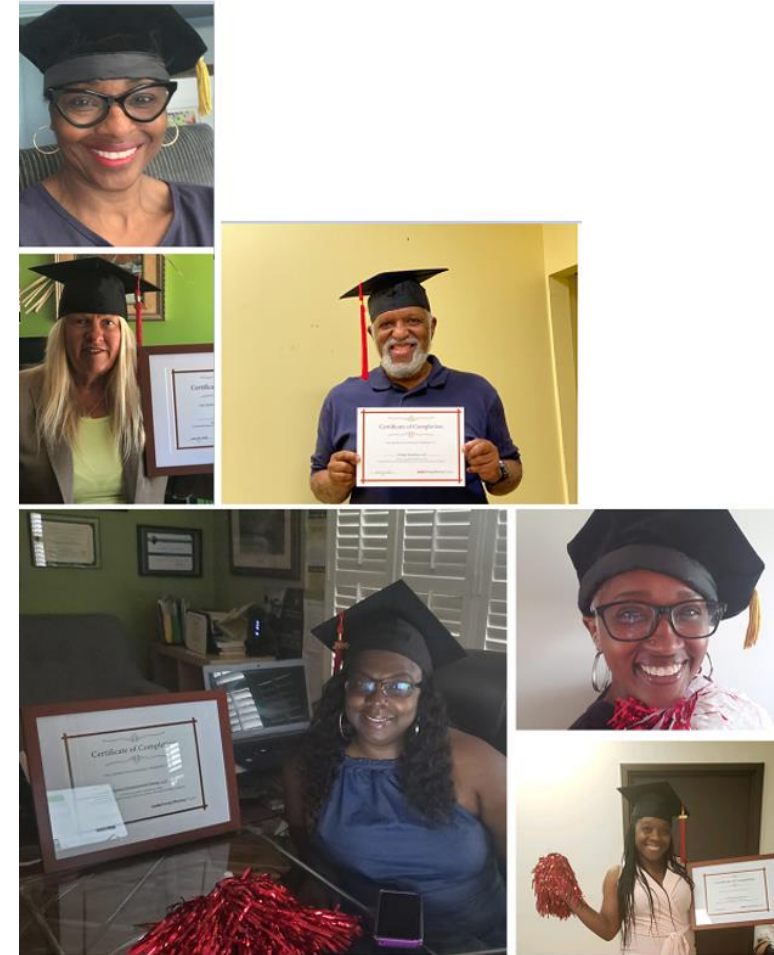
Market Development

Community Organizations Engagement

- Single family & multi-family retrofits
- Energy savings kits
- Energy saving products and community events
- *New* – Home Energy Savings (Single-Family) outreach & enrollment partners
- *Coming in late 2022*: Energy Education & Outreach Grant program for community organizations

Workforce Diversity & Economic Development

- Targeted annual diverse supplier spend of \$100M (2022-2025, average)
- Incubator program provides training and mentorship to local, diverse contractors new to energy efficiency
- *New* – Market Development Initiative (MDI) will dedicate average of \$4M/year to increase contracting opportunities for diverse business/CBOs and improve diversity of the supplier workforce – details informed by research currently underway to baseline current state, assess options to grow diversity, and make recommendations for implementation activities (e.g., incubators, training, internships, and job placement)



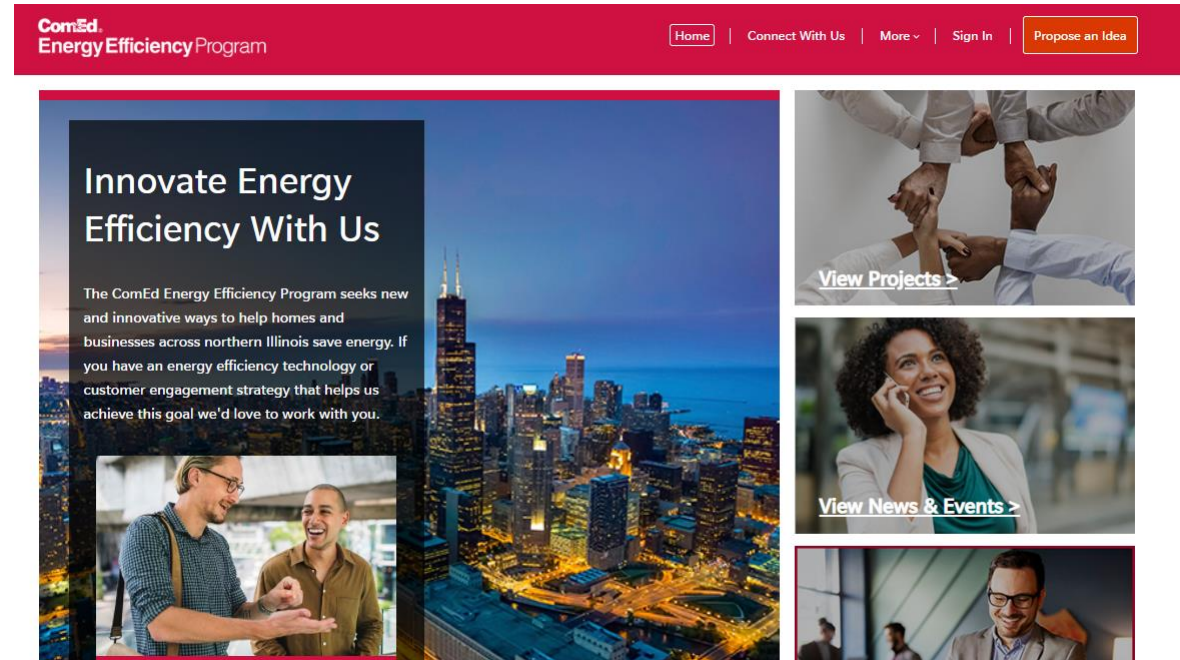
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Income Qualified Research & Development Initiatives

Initiative	Partners	Status Update
Income Eligible Housing Electrification Pilot	Elevate	Partnering with Elevate on regional electrification demonstration initiative. 100 Chicago IQ customer housing units (mix of single & multi-family) will receive full electrification retrofits. ComEd and Elevate will cost share 50/50 on equipment, installation, and administrative costs. As of 8/5, 14 SF retrofits underway with completed assessments in 14 SF and 3 MF buildings.
“Passive House” Affordable Housing New Construction Pilot	Slipstream	210 eligible units enrolled across five buildings: in design phase with scheduled construction in 2023/2024. Achieving the PHIUS standard now contributes add'l points through the Illinois Housing Development Authority's Qualified Allocation Plan, creating fresh interest from developers. Majority of PHIUS projects are expected to be all-electric, all with a special focus on improved indoor air quality.
Income Eligible Retrofits Bill Impacts Analysis	Resource Innovations (w/ gas utilities)	This project will analyze bill impacts from past income eligible whole-home retrofit participants using both electric and gas billing data. Currently completing dataset requests and interview guide for benchmarking/best practices.
Estimating and Communicating Electrification Bill Impacts	CEE, Illume Advising	Development of a case study to estimate energy bill impacts for a ‘typical’ income eligible single-family customer of a combined weatherization and electrification retrofit. Additional research on best practices from other program administrators when communicating electrification with customers, with the aim of informing income eligible electrification offerings.
Induction Cooking Equipment Pilot	TBD	Pilot will study customer perceptions and barriers to residential-scale induction electric cooking. Targeting Q3 to identify pilot partner and recruit 10-20 IQ customers to receive a free induction electric cooking appliance upgrades. The pilot team will survey participants and develop case studies/marketing materials for future program use.

Energy Efficiency Research & Development Proposal Submission Process

- Proposals are accepted at any time via the “Propose an Idea” portal on www.ComEd.com/EmergingTech
- Create a profile and access the submission page
- A “pre-proposal questionnaire” is also available if you are not ready to submit a full pilot or research proposal; this is a great way to receive early feedback on whether an idea is a good fit for this process
- Proposal development is often an iterative process with the R&D team
- Proposals are scored with Evaluation Criteria (found [here](#))
- Email EmergingTech@ComEd.com or contact Mark Milby at Mark.Milby@ComEd.com at any time with questions



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IQ Health& Safety Funding

Kara Jonas,
Manager, Residential Direct to Consumer Programs

Health & Safety Background

- IL Energy Law expanded the amount ComEd budgets for health and safety (H&S) upgrades to 15% that enable EE
- **2022 workshops:** ComEd, gas utilities and Implementation Contractors (Home Energy Savings & Multi-Family Energy Savings programs) assessed existing H&S guidelines and identified modifications for utility-only funded projects
 - Single program definition: Health and safety conditions are barriers that reasonably represent a potential risk of harm to person or property and limits the ability for an energy efficiency project to move forward safely
 - Projects braided with Illinois Home Weatherization Assistance Program (IHWAP) will continue to follow IHWAP's H&S guidance and split 50/50 between IHWAP & utilities
 - capped at \$3,500 for single family and \$1,750/unit for multi-family (unless exception is granted)
- **Data collection & reporting:** Updated program data collection and reporting to ensure relevant health and safety related data points are captured
 - Working this year in coordination with gas utilities to collect data to inform future H&S funding strategies
- **Common H&S measures:** correcting flue venting, asbestos testing, correcting unsafe electrical, mold remediation and prevention, addressing bulk water, repairing roof leaks, lead paint abatement, addressing pet infestation, inadequate or missing CO / smoke detectors, repairing stairs/railings
 - Emergency HVAC replacement and kitchen/bathroom exhaust fans are other common measures that also contribute to energy savings

Home Energy Savings (“Single Family Retrofit”)

Historical H&S Protocols

- **Cap:** \$1,000/project, split 50/50 between utilities for joint projects

2022 H&S Protocols

- **Cap:** \$1,500/project; first \$1,000 split 50/50 between utilities for joint projects; remaining \$500 funded exclusively by ComEd
 - Gas utilities have separate stipulation requirements which limit their funding and cost sharing
- **Exceptions:** Projects with health and safety in excess of \$1,500 are reviewed/treated as program exceptions
 - Opportunity for ComEd-only funded project if gas utilities can't fund

Multi-Family Energy Savings (“Multi-Family Retrofits”)

Historical H&S Protocols

- **Base:** H&S up to \$5,000 fully incentivized, regardless of the EE project cost
 - split 50/50 between utilities for joint projects
- **Cap:** H&S above \$5,000 capped at 50% of the related EE project cost or \$25,000, whichever is lower
 - split 50/50 between utilities for joint projects
- **Exceptions:** If over cap, project reviewed/treated as program exception

2022 H&S Protocols

- **Base:** H&S projects up to \$5,000 fully incentivized, regardless of the EE project cost
 - split 50/50 between utilities for joint project
- **Tiered:** Updated flexibility for building size
 - \$10,000 base + \$2,000 per unit (Average IE property: 20 units)
- **Cap:**
 - \$50k: Utilities evaluate if shared 50/50 or fully covered by ComEd when costs exceed \$10,000 based on gas utility budgets
 - Or 75% of EE project cost: project fully funded by ComEd if H&S cost greater than 50% of the EE project (as this conflicts with gas utility stipulation agreements)
- **Exceptions:** If over either guideline, project reviewed/treated as program exception



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