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**I-REN**  
**Exhibit 2: Program Cards**

# Public Sector Technical Assistance and Strategic Energy Planning Program Card

Program Name: Technical Assistance and Strategic Energy Planning Program		
<p><b>Program ID:</b> IREN-PUBL-001</p> <p><b>New / Existing:</b> Existing</p> <p><b>Expected Program Duration:</b> Ongoing</p>		
<p><b>Portfolio Segment:</b> (Resource Acquisition, Market Support, Equity, Codes and Standards)</p> <p>Equity</p>	<p><b>Program Implementer Type:</b> (IOU Core, Third-Party Solicited, REN, CCA)</p> <p>REN</p>	<p><b>Third-Party Program Implementer (applicable to IOUs only):</b></p> <p>N/A</p>
<p><b>Applicable Sector:</b> (e.g., Residential, commercial, industrial, agricultural, public, or cross-cutting, etc.) If multi-sector, provide a list of each sector covered)</p> <p>Public</p>		<p><b>Customer Group(s):</b></p> <p>Public sector customers, e.g., local governments, K-12 school districts and higher education institutions, water and wastewater districts, special districts, and tribes</p>
<p><b>Sector Challenges:</b></p> <p><i>Existing single-family homes remain inefficient and costly to implement</i></p> <p>Public agencies in the I-REN territory face many barriers that limit their ability to plan and implement energy efficiency and distributed energy resource projects, including limited staff capacity, lack of in-house technical expertise, and competing operational priorities. Agencies often lack access to consolidated utility and facility data needed to inform decision-making and prioritize projects. Public sector procurement and approval processes can be lengthy and complex, slowing project development and implementation. Many agencies also face capital constraints and difficulty</p>		<p><b>Sector Opportunities (Expected Outcome(s)):</b></p> <p><i>Increased participation in EE program and adoption of EE measures</i></p> <p>Public agencies represent a significant opportunity to advance energy efficiency, resilience, and climate goals due to their large and diverse facility portfolios and leadership role within their communities. Coordinated technical assistance, benchmarking, and strategic energy planning can help agencies identify cost-effective efficiency and resilience opportunities, prioritize investments, and advance projects that would otherwise remain unaddressed. By reducing administrative and capacity barriers, the program supports increased participation in energy efficiency and distributed energy</p>

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identifying and navigating available funding, financing, and incentive programs. These challenges are particularly pronounced for agencies serving disadvantaged, rural, and underserved communities, where aging facilities, resource limitations, and rising energy costs further constrain the ability to pursue energy efficiency and resilience investments.

resource programs, development of robust project pipelines, improved project completion rates, support with energy affordability, and strengthened long-term energy management practices across the public sector.

**Brief Program Description: (Including customer target, program strategies employed, expected program outcome):**

The Technical Assistance and Strategic Energy Planning Program provides no-cost, concierge-style technical assistance to public agencies, including cities, counties, school districts, special districts, and Tribes. The program assigns a dedicated project manager to each participating agency to deliver customized, objective support across the energy project lifecycle. Program services include utility and facility data collection and benchmarking, development of Energy Resiliency Roadmaps, energy audits, and assistance in navigating funding, financing, and incentive opportunities. The program helps agencies align energy efficiency and distributed energy resource investments with operational, climate, and resilience goals while reducing administrative burden.

By serving as a trusted regional entity and coordinating with complementary I-REN and external resource programs, the program enables agencies to more efficiently advance energy efficiency and distributed energy resource projects, improve energy affordability, and build internal capacity for sustained energy planning and implementation.

**Known Equity Concerns in the Selected Markets (if applicable):**

Public agencies serving disadvantaged, rural, and underserved communities often face greater constraints in staffing, technical expertise, and financial resources, limiting their ability to plan and implement energy efficiency and distributed energy resource projects. Smaller agencies may lack dedicated facilities or energy staff and struggle to

**Proposed Solutions to Equity Concerns (if applicable):**

The program addresses equity concerns by prioritizing no-cost, customized technical assistance for public agencies serving disadvantaged and underserved communities. Through a customized delivery model, the program provides dedicated project management and objective technical support to offset staffing and capacity limitations. The program supports benchmarking, strategic energy planning, and Energy Resiliency Roadmaps to help agencies identify and

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advance projects beyond early planning stages. Many facilities serving equity communities often consist of aging infrastructure and energy-inefficient equipment, resulting in higher energy costs that place ongoing pressure on agency operating budgets and reduce resources available for essential public services. Agencies may also face challenges accessing data, planning tools, and navigating complex funding and incentive landscapes, which can delay or prevent participation in energy efficiency and resilience programs.

prioritize cost-effective projects that improve energy affordability and reduce peak grid loads. Targeted assistance with funding, financing, and incentive program navigation reduces upfront barriers and enables agencies to advance projects that would otherwise be infeasible.

**Intervention Strategy:** (e.g., SEM, MAP, Direct Install, Incentive/rebate, Finance, Audit, Technical Assistance, Advocacy, Training, Marketing and Outreach/Information)

- **Customized technical assistance and project development:** Provide no-cost technical assistance delivered by dedicated project managers to support public agencies with limited staff capacity and advance early-stage project development.
- **Benchmarking and portfolio energy analysis:** Support utility and facility data collection and benchmarking to establish baseline energy use, costs, and performance, and inform project prioritization.
- **Strategic energy planning:** Develop Energy Resiliency Roadmaps that align energy efficiency and distributed energy

**Delivery Type:** (e.g., Manufactured Upstream, Midstream-Distributor, Midstream-Retail, Downstream, Downstream - Direct Install, Codes & Standards, etc.)

Downstream - Technical Assistance

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<p>resource opportunities with agency climate, resilience, and operational goals and support phased project planning.</p> <ul style="list-style-type: none"> <li>• <b>Measure identification:</b> Support identification of energy efficiency and distributed energy resource measures that provide load flexibility and demand control benefits to mitigate peak demand impacts and improve grid resilience. Support the identification of low-GWP technology opportunities by integrating GHG considerations into measure screening.</li> <li>• <b>Funding and financing navigation:</b> Assist agencies in identifying and navigating applicable funding, financing, and incentive opportunities to reduce upfront cost barriers.</li> <li>• <b>Program coordination:</b> Coordinate with complementary I-REN and external resource programs to facilitate project handoff into downstream implementation pathways, while supporting strategic fund stacking across EE ratepayer and non-EE programs to reduce out-of-pocket costs.</li> </ul>	
<p><b>Measurement and Verification Methods:</b> (e.g., Deemed, Custom, NMEC – Population, NMEC – Site, SEM M&amp;V, Randomized Controlled Trial (RCT), Other)</p> <p>N/A</p>	<p><b>Program Total System Benefit (TSB) for 2028-2031:</b></p> <p>N/A</p>

**Program Name: Technical Assistance and Strategic Energy Planning Program**

<p><b>Annual Budgets for 2028-2031:</b></p> <p>2028: \$2,807,163                  2029: \$3,148,244                  2030: \$3,396,972                  2031: \$3,620,569</p>	<p><b>Cost Effectiveness (TRC and PAC Test Ratios) for 2028-2031:</b></p> <p>TBD / Not applicable</p>
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<p><b>Anticipated directional and scale changes in budget for years 2032-2035:</b></p> <p>For the 2032–2035 period, I-REN will increase investment in the program at a modest 5% annual escalation, based on demonstrated demand, a growing public sector project pipeline, and inflationary costs.</p>	<p><b>Market Actors necessary for success:</b></p> <p>Public agencies, I-REN implementers, IOUs, other PAs, funding agencies, and technology/software providers.</p>
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**High-level description of delivery workforce including necessary scale and its risks:**

Program delivery relies on a combination of experienced technical staff, third-party implementers, and Energy Fellows embedded within participating public agencies to provide high-touch technical assistance, project coordination, and capacity-building support. This delivery model enables close collaboration with agency staff and ensures services are tailored to local needs and operating contexts. Key workforce risks include the ability to scale staffing levels to meet increasing demand from public agencies and the need to sustain funding to recruit and retain skilled technical staff with industry expertise. Additional risks include workforce availability constraints and the time required to onboard and train new staff as program participation grows.

- Near-term Program Output(s) (1-4 years):**
- Expand participation among cities, counties, school districts, special districts, and Tribes, with emphasis on agencies serving disadvantaged and underserved communities.
  - Increase delivery of benchmarking, strategic energy planning, and Energy Resiliency Roadmaps to establish a strong foundation for public sector project pipelines.
  - Support the development of energy efficiency and distributed energy resource project pipelines by advancing projects from early identification into design, funding, and incentive application stages.
  - Strengthen agency capacity through ongoing technical assistance, project coordination, and navigation of funding and financing opportunities.
  - Improve coordination with complementary I-REN programs, IOU and third-party energy efficiency programs, and non-ratepayer funding opportunities to

**Program Name: Technical Assistance and Strategic Energy Planning Program**

streamline referrals, reduce administrative burdens, and maximize resources for participating agencies.

**Long Term Outcome (5-10 years):**

- Public agencies integrate energy efficiency, resilience, and strategic energy planning into standard facility management and capital planning practices.
- Sustained participation of public agencies in energy efficiency and distributed energy resource programs results in deeper, more comprehensive energy project installations over time.
- Energy and operating cost savings enable agencies to reinvest resources into community services, particularly benefiting underserved jurisdictions.
- I-REN is recognized as a trusted regional partner for public sector energy planning and project development, supporting long-term equity, resilience, and climate objectives.
- Reduced peak energy loads on the energy grid, improving energy resilience, through installations of load-flexible technologies paired with energy efficiency and distributed energy resource installations.

**Does this program interact with other programs in this PA portfolio? If so, describe:**

Directly supports and feeds projects into IREN-PUBL-002 (NMEC/Cash for Kilowatts) and coordinates with WE&T Energy Fellows.

**Program Metrics and Indicators (KPIs):**

- Number of agencies onboarded
- Facilities benchmarked
- Audits completed
- Energy Resilience Roadmaps developed
- Projects entering the pipeline
- Percentage of program activities serving equity communities
- Number of Building Upgrade Concierge (BUC) registrations in partner jurisdictions
- TSB channeled from supported projects (non-claimable)

All Equity segment metrics and Common Metrics will also be reported on, as applicable.

**Does this program utilize Integrated Demand Side Management (IDSM)?**

**Link to Existing Implementation Plan, if existing:**

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Yes - Multi-DER IDSM

[https://cedars.cpuc.ca.gov/documents/download/3860/mainchange\\_summary%7Cmain%7Credline\)/](https://cedars.cpuc.ca.gov/documents/download/3860/mainchange_summary%7Cmain%7Credline/)

# Public Sector Normalized Metered Energy Consumption (NMEC) Program Card

<b>Program Name: Public Buildings NMEC Program</b>		
<p><b>Program ID:</b> IREN-PUBL-002</p> <p><b>New / Existing:</b> Existing</p> <p><b>Expected Program Duration:</b> Ongoing</p>		
<p><b>Portfolio Segment:</b> (Resource Acquisition, Market Support, Equity, Codes and Standards)</p> <p>Equity</p>	<p><b>Program Implementer Type:</b> (IOU Core, Third-Party Solicited, REN, CCA)</p> <p>REN</p>	<p><b>Third-Party Program Implementer (applicable to IOUs only):</b></p> <p>N/A</p>
<p><b>Applicable Sector:</b> (e.g., Residential, commercial, industrial, agricultural, public, or cross-cutting, etc.) If multi-sector, provide a list of each sector covered)</p> <p>Public</p>		<p><b>Customer Group(s):</b></p> <p>Public sector customers, e.g. cities, counties, K-12 school districts and higher education institutions, water and wastewater districts, special districts, and tribes with community-serving buildings, including critical facilities, cooling centers, and resilience centers in underserved and HTR communities.</p>
<p><b>Sector Challenges:</b></p> <p>Public agencies face significant barriers to implementing deep, whole-building energy efficiency projects, including limited capital improvement funding, constrained staff capacity, and complex procurement and approval processes. Many existing energy efficiency programs rely on deemed savings or require facilities to exceed Title 24 standards, which can deter public agencies from pursuing upgrades due to cost and compliance risks. As a result, below-code and industry-standard improvements,</p>		<p><b>Sector Opportunities (Expected Outcome(s)):</b></p> <p>NMEC methodologies provide an opportunity to overcome barriers to deep energy efficiency in public buildings by enabling performance-based incentives for whole-building and industry-standard improvements that are typically excluded from traditional programs. By measuring savings at the meter and offering enhanced incentives for projects delivering deep savings at critical and community-serving facilities, NMEC increases confidence in realized savings</p>

<p>often representing some of the largest energy savings opportunities in public buildings, remain unaddressed or “stranded.”</p>	<p>and enables participation by agencies with limited capital resources.</p>
<p><b>Brief Program Description: (Including customer target, program strategies employed, expected program outcome):</b></p> <p>Cash for Kilowatts is I-REN’s Public Buildings Normalized Metered Energy Consumption (NMEC) Program, which provides performance-based incentives and technical support to public agencies to achieve deep, whole-building energy savings at publicly owned facilities. Using a site-level NMEC approach, the program supports comprehensive whole-building upgrades at critical and community-serving facilities and delivers deep, verifiable savings through meter-based performance. These improvements result in improved comfort, safety, and persistent energy and bill savings for equity communities. The program also offers tiered incentives based on the level of energy savings delivered and whether the site qualifies as a critical or community resilience facility. By pairing meter-based incentives with technical support and ongoing performance verification, Cash for Kilowatts reduces performance and incentive payment risk and enables public agencies to advance comprehensive projects that deliver long-term operational and resilience benefits.</p>	
<p><b>Known Equity Concerns in the Selected Markets (if applicable):</b></p> <p>Public agencies serving disadvantaged, underserved, and hard-to-reach communities often face heightened barriers to implementing deep energy efficiency projects, including limited capital funding, constrained staff capacity, and aging, inefficient facilities. Many of these agencies operate critical and community-serving buildings, such as cooling centers, with high energy use and costs, but lack access to incentives that support implementation of comprehensive, whole-building upgrades. Traditional energy efficiency programs that rely on deemed savings or above-code requirements can further limit participation, leaving below-code and industry-standard improvements unaddressed and contributing to ongoing</p>	<p><b>Proposed Solutions to Equity Concerns (if applicable):</b></p> <p>Cash for Kilowatts addresses equity concerns by providing performance-based incentives and technical support designed to enable deep, whole-building energy savings at public facilities serving disadvantaged, hard-to-reach, and underserved communities. The program offers incentives for projects typically excluded from traditional programs and provides enhanced incentives for projects that deliver significant metered savings at critical and community-serving facilities. Enhanced incentives, technical assistance, and a focus on critical and community-serving facilities ensure that supported projects improve outcomes, including energy affordability and resilience, in underserved and hard-to-reach communities</p>

<p>energy cost burdens and reduced facility performance.</p>	
<p><b>Intervention Strategy:</b> (e.g., SEM, MAP, Direct Install, Incentive/rebate, Finance, Audit, Technical Assistance, Advocacy, Training, Marketing and Outreach/Information)</p> <ul style="list-style-type: none"> <li>• <b>Meter-based incentive delivery:</b> Performance-based incentives using a site-level NMEC approach.</li> <li>• <b>Enhanced, tiered incentives:</b> Tiered incentive kickers that reward deeper metered savings and prioritize critical cooling and resiliency centers.</li> <li>• <b>Technical support and project screening:</b> Eligibility screening, savings risk assessment, and NMEC-compliant M&amp;V planning.</li> <li>• <b>Project implementation and verification:</b> Application support, installation verification, and post-installation monitoring.</li> <li>• <b>Performance monitoring and savings persistence:</b> Savings persistence reporting alongside operations and maintenance support to maximize long-term savings outcomes and grid benefits.</li> </ul>	<p><b>Delivery Type:</b> (e.g., Manufactured Upstream, Midstream-Distributor, Midstream-Retail, Downstream, Downstream - Direct Install, Codes &amp; Standards, etc.)</p> <p>Downstream</p>
<p><b>Measurement and Verification Methods:</b> (e.g., Deemed, Custom, NMEC – Population, NMEC – Site, SEM M&amp;V, Randomized Controlled Trial (RCT), Other)</p> <p>NMEC – Site</p> <p>Savings are determined by comparing normalized pre- and post-installation energy consumption using regression-based models in accordance with the</p>	<p><b>Program Total System Benefit (TSB) for 2028-2031:</b></p> <p>\$2,611,902.34</p>

<p>NMEC Rulebook and the International Performance Measurement and Verification Protocol (IPMVP) Option C, Whole Facility methodology.</p> <p>M&amp;V activities include development of project-specific M&amp;V plans, use of utility interval data and weather normalization, and identification and adjustment for non-routine events. Energy savings are verified over a defined post-installation reporting period, with incentives trued up based on realized savings. All NMEC projects and savings claims are subject to CPUC review and disposition in accordance with applicable requirements.</p>	
<p><b>Annual Budgets for 2028-2031:</b></p> <p>2028: \$3,588,286  2029: \$3,874,617  2030: \$4,128,637  2031: \$4,375,462</p>	<p><b>Cost Effectiveness (TRC and PAC Test Ratios) for 2028-2031:</b></p> <p>2028: 0.03, 0.03  2029: 0.03, 0.03  2030: 0.03, 0.03  2031: 0.03, 0.03</p>
<p><b>Anticipated directional and scale changes in budget for years 2032-2035:</b></p> <p>For the 2032–2035 period, the budget includes a modest 5% annual escalation driven by increased public sector demand for I-REN services and inflationary costs.</p>	<p><b>Market Actors necessary for success:</b></p> <p>Public agencies, contractors, I-REN technical staff, utilities, EM&amp;V contractors</p>
<p><b>High-level description of delivery workforce including necessary scale and its risks:</b></p> <p>Program delivery relies on specialized I-REN technical staff and qualified contractors to support NMEC project development, implementation, and verification. Key workforce risks include contractor availability, the potential for out-of-scope changes during NMEC performance periods, and challenges accessing timely and complete energy data for savings verification.</p>	
<p><b>Near-term Program Output(s) (1-4 years):</b></p> <ul style="list-style-type: none"> <li>NMEC project applications and incentive reservations reviewed and approved.</li> </ul>	

- Incentives reserved, projects installed, metered energy savings verified, and incentives disbursed based on realized performance.
- Increased participation by disadvantaged, underserved, and hard-to-reach public agencies through enhanced incentives and technical support.
- Improved agency understanding of energy use and performance through expanded education and access to energy data and monitoring tools.

**Long Term Outcome (5-10 years):**

- Sustained, deep energy savings achieved through normalized metered performance in public buildings that create lasting beneficial grid impacts.
- Increased integration and incentives delivery for load-flexible and low-GWP technologies that improve grid resilience and reduce GHG emissions.
- Explore targeted offering of enhanced incentives for measures that incorporate low- and ultra-low-GWP refrigerants into NMEC projects to support accelerated adoption of low-GWP technologies and help overcome first-cost barriers.
- Improved facility resilience and operational performance at critical and community-serving facilities.
- Normalized use of NMEC as a standard pathway for delivering whole-building energy efficiency in the public sector.

**Does this program interact with other programs in this PA portfolio? If so, describe:**

The program is strongly linked with IREN-PUBL-001 for project development and pipeline support and coordinates with IREN-WET-002 as an increasing number of Energy Fellows support NMEC projects.

**Program Metrics and Indicators (KPIs):**

- Eligible projects
- Applications submitted
- Applications approved
- Persistence of savings training
- EE projects implemented
- Energy savings (kWh/kW/therm)
- Funding dispersed
- Persistence of savings report
- Equity participation rate

All Equity segment metrics and Common Metrics will also be reported on, as applicable.

**Does this program utilize Integrated Demand Side Management (IDSMD)?**

No

**Link to Existing Implementation Plan, if existing:**

[https://cedars.cpuc.ca.gov/documents/download/3862/mainchange\\_summary%7Cmain%7Credline/](https://cedars.cpuc.ca.gov/documents/download/3862/mainchange_summary%7Cmain%7Credline/)

# Codes & Standards Training and Education Program Card

<b>Program Name: C&amp;S Training and Education Program</b>		
<b>Program ID:</b> IREN-CS-001		
<b>New / Existing:</b> Existing		
<b>Expected Program Duration:</b> Ongoing		
<b>Portfolio Segment:</b> <i>(Resource Acquisition, Market Support, Equity, Codes and Standards)</i>  Codes and Standards	<b>Program Implementer Type:</b> (IOU Core, Third-Party Solicited, REN, CCA)  REN	<b>Third-Party Program Implementer (applicable to IOUs only):</b>  n/a
<b>Applicable Sector:</b> <i>(e.g., Residential, commercial, industrial, agricultural, public, or cross-cutting, etc.) If multi-sector, provide a list of each sector covered)</i>  Cross-cutting: public sector, and private sector EE building professionals serving all sectors		<b>Customer Group(s):</b>  Public sector workforce, e.g., building department staff, plans examiners, permit technicians, building officials; private sector building professionals, e.g., architects, builders, designers, contractors, permit applicants, planners
<b>Sector Challenges:</b>  Small and dispersed jurisdictions with resourcing constraints, third party outsourcing of permitting and plan checking, enforcing code compliance through frequent code cycle updates		<b>Sector Opportunities (Expected Outcome(s)):</b> Localized resourcing for improving knowledge and awareness of code; streamlining messaging and tools for complex concepts; relationship and network development with jurisdictions and building professional community; climate zone-specific guidance and best practices
<b>Brief Program Description: (Including customer target, program strategies employed, expected program outcome):</b>  I-REN's C&S Training and Education Program fosters working relationships with local building departments and the building industry to support, train, and enable long-term streamlining of energy code compliance. I-REN provides direct training, education, and resources to local building departments and other building professionals responsible for complying with permitting requirements. These trainings may be live or on demand to meet contractor preferences. The strategy focuses on		

**Program Name: C&S Training and Education Program**

addressing the barriers faced by the C&S community to streamline code enforcement and permitting, and increase energy efficiency in the region through C&S. Codes and Standards offerings cross-cut with Workforce Education and Training offerings targeting entry-level and experienced workers looking to upskill, get certified, or gain education credits. The program also has the capacity to lend assistance for jurisdictions leveraging Public Sector program offerings. The program will create stronger regional collaboration between local governments, building officials, and permit checkers, plus increase the understanding of the energy code.

**Known Equity Concerns in the Selected Markets (if applicable):**

Language diversity, High population of HTR customers spread over a broad geographic region

**Proposed Solutions to Equity Concerns (if applicable):**

Offer trainings in Spanish, increase virtual options to engage with customers, jurisdiction specific trainings, expand on-demand trainings (including in-language), reduce financial barriers to code professional qualifications and certifications

**Intervention Strategy:** (e.g., SEM, MAP, Direct Install, Incentive/rebate, Finance, Audit, Technical Assistance, Advocacy, Training, Marketing and Outreach/Information)

Marketing & Outreach/Information, Training

**Delivery Type:** (e.g., Manufactured Upstream, Midstream-Distributor, Midstream-Retail, Downstream, Downstream - Direct Install, Codes & Standards, etc.)

Codes & Standards

**Measurement and Verification Methods:** (e.g., Deemed, Custom, NMEC – Population, NMEC – Site, SEM M&V, Randomized Controlled Trial (RCT), Other)

N/A

**Program Total System Benefit (TSB) for 2028-2031:**

N/A

**Annual Budgets for 2028-2031:**

2028: \$1,334,518  
 2029: \$1,474,440  
 2030: \$1,581,769  
 2031: \$1,690,618

**Cost Effectiveness (TRC and PAC Test Ratios) for 2028-2031:**

N/A

**Program Name: C&S Training and Education Program**

**Anticipated directional and scale changes in budget for years 2032-2035:**

Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.

**Market Actors necessary for success:**

Public sector professionals (building/permitting, sustainability departments at jurisdictions), private-sector professionals (architects, energy analysts, designers, contractors, plumbers, facilities managers, etc.), training providers, subject matter experts

**High-level description of delivery workforce including necessary scale and its risks:**

Program delivery relies on trainers and subject matter experts to design and deliver code support, as well as technical support advisors to provide permit guidance. Potential risks include low density of subject matter experts and language-access gaps.

**Near-term Program Output(s) (1-4 years):**

Deliver up to twenty-four trainings or webinars per year and up to four forums per year.

Engage 30% of regional jurisdictions in training and education offerings.

Launch a robust library of educational resources that reduce accessibility and financial barriers for understanding and enforcing the energy code.

**Long Term Outcome (5-10 years):**

Create stronger regional collaboration between local governments, building officials, and permit checkers. Increase the understanding of code compliance while improving access to EE programs.

Engage over 50% of regional jurisdictions in training and education offerings.

**Does this program interact with other programs in this PA portfolio? If so, describe:**

All of I-REN's programs interact with each other through all-implementer coordination. I-REN's Codes & Standards program complements I-REN's Public Sector and Workforce programs by equipping municipal staff and building professionals with code-compliance skills while leveraging workforce fellows and training resources to deliver hands-on support. This program also complements I-REN's other Codes & Standards program, Technical Assistance, through shared resources and trainers. Together, they create a pipeline of skilled personnel and informed agencies, ensuring consistent enforcement and advancing regional energy efficiency goals.

**Program Metrics and Indicators (KPIs):** (These could include metrics tracked in program contracts and can be inclusive of Equity or Market Support Indicators and

**Program Name: C&S Training and Education Program**

other program KPIs). Examples could include homes electrified, WE&T trainings held, etc.

Equity Segment Indicator:

Count of equity target participants in market support segment, by sector

Market Support Segment Indicators:

Percent of participation relative to eligible target population for curriculum

Number of unique participants by sector that complete training

Number of collaborations, with contextual descriptions, by business plan sector to jointly develop or share training materials or resources

Unique Value Metrics:

Percentage of partner jurisdictions that use I-REN guides and tools for code compliance

Percentage of trainings offered in Spanish language

**Does this program utilize Integrated Demand Side Management (IDSM)?**

For its 2028-2035 BPA, I-REN proposes to deploy cross-cutting IDSM education and technical support elements in its portfolio, to encourage EE+DER projects for permanent load shifting.

**Link to Existing Implementation Plan, if existing:**

[https://cedars.cpuc.ca.gov/documents/download/3853/mainchange\\_summary%7Cmain%7Credline/](https://cedars.cpuc.ca.gov/documents/download/3853/mainchange_summary%7Cmain%7Credline/)

# Codes & Standards Technical Support Program Card

<b>Program Name: Technical Support Program</b>		
<b>Program ID:</b> IREN-CS-002		
<b>New / Existing:</b> Existing		
<b>Expected Program Duration:</b> Ongoing		
<b>Portfolio Segment:</b> (Resource Acquisition, Market Support, Equity, Codes and Standards)  Codes and Standards	<b>Program Implementer Type:</b> (IOU Core, Third-Party Solicited, REN, CCA)  REN	<b>Third-Party Program Implementer (applicable to IOUs only):</b>  n/a
<b>Applicable Sector:</b> (e.g., Residential, commercial, industrial, agricultural, public, or cross-cutting, etc.) If multi-sector, provide a list of each sector covered)  Cross-cutting: public sector, and private sector EE building professionals serving all sectors		<b>Customer Group(s):</b>  Public sector workforce, e.g., building department staff, plans examiners, permit technicians, building officials; private sector building professionals, e.g., architects, builders, designers, contractors, permit applicants, planners
<b>Sector Challenges:</b>  Small and dispersed jurisdictions, knowledge gaps, resource constraints	<b>Sector Opportunities (Expected Outcome(s)):</b>  Localized resourcing for improving knowledge and awareness of code; customized, one-on-one, no-cost access to code advice and expertise; streamlining messaging and tools for complex concepts; relationship and network with building professionals	
<b>Brief Program Description: (Including customer target, program strategies employed, expected program outcome):</b>  I-REN's C&S Technical Support Program will deliver locally informed resources and tools that streamline code compliance for public and private sector building professionals. Offerings like one-on-one code guidance will remedy challenges faced by Building Department staff, local governments, building professionals, and developers regarding compliance. The I-REN team will enable regional collaboration by identifying important areas for policy improvements, such as future reach codes,		

**Program Name: Technical Support Program**

efficiency, and fire ordinances, et.al., and work with jurisdictions to create model ordinances and policies that can be adopted by interested local governments. Codes and Standards offerings cross-cut with Workforce Education and Training offerings targeting entry-level and experienced workers looking to upskill, get certified, or gain education credits. The program also has the capacity to lend assistance for jurisdictions leveraging Public Sector program offerings, including efforts for microgrids, EVs, and other IDSM aspects. The program will create stronger regional collaboration between local governments, building officials, and permit checkers, plus increase the understanding of the energy code.

**Known Equity Concerns in the Selected Markets (if applicable):**

Language diversity, High population of HTR customers spread over a broad geographic region

**Proposed Solutions to Equity Concerns (if applicable):**

Offer trainings in Spanish, increase virtual options to engage with customers, jurisdiction specific trainings, on-demand trainings

**Intervention Strategy:** (e.g., SEM, MAP, Direct Install, Incentive/rebate, Finance, Audit, Technical Assistance, Advocacy, Training, Marketing and Outreach/Information)

Marketing & Outreach, Technical Assistance

**Delivery Type:** (e.g., Manufactured Upstream, Midstream-Distributor, Midstream-Retail, Downstream, Downstream - Direct Install, Codes & Standards, etc.)

Codes & Standards

**Measurement and Verification Methods:** (e.g., Deemed, Custom, NMEC – Population, NMEC – Site, SEM M&V, Randomized Controlled Trial (RCT), Other)

N/A

**Program Total System Benefit (TSB) for 2028-2031:**

N/A

**Annual Budgets for 2028-2031:**

2028: \$2,519,687  
 2029: \$2,632,443  
 2030: \$1,248,904  
 2031: \$1,351,901

**Cost Effectiveness (TRC and PAC Test Ratios) for 2028-2031:**

N/A

**Program Name: Technical Support Program**

<p><b>Anticipated directional and scale changes in budget for years 2032-2035:</b></p> <p>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</p>	<p><b>Market Actors necessary for success:</b></p> <p>Public sector workforce, e.g., building department staff, plans examiners, permit technicians, building officials; private sector building professionals, e.g., contractors, architects, permit applicants</p>
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**High-level description of delivery workforce including necessary scale and its risks:**

Program delivery relies on subject matter experts to design and deliver code support, as well as technical support advisors to provide permit guidance. Potential risks include low density of subject matter experts and language-access gaps.

**Near-term Program Output(s) (1-4 years):**

Expand the technical assistance program to offer a robust set of offerings, including expanding energy code expert assistance to include longform assistance for deeper impact; conducting an exploratory study to understand regional permitting, data availability and practices, software usage, and barriers to code compliance; and providing energy-code related resources for jurisdiction microgrid exploration. Provide assistance for IDSM and AB39.

Increase # of jurisdictions using technical assistance offerings by 15%.

**Long Term Outcome (5-10 years):**

Increase # of jurisdictions using technical assistance offerings by 25%.

Support potential reemergence of residential code updates. Continue offering IDSM related assistance for EVs, microgrids, and other related aspects.

**Does this program interact with other programs in this PA portfolio? If so, describe:**

All of I-REN's programs interact with each other through all-implementer coordination. I-REN's Codes & Standards program complements I-REN's Public Sector and Workforce programs by equipping municipal staff and building professionals with code-compliance skills while leveraging workforce fellows and training resources to deliver hands-on support. This program also complements I-REN's other Codes & Standards program, Training and Education, through shared resources and trainers. Together, they create a pipeline of skilled personnel and informed agencies, ensuring consistent enforcement and advancing regional energy efficiency goals.

**Program Metrics and Indicators (KPIs):** (These could include metrics tracked in program contracts and can be inclusive of Equity or Market Support Indicators and

**Program Name: Technical Support Program**

other program KPIs). Examples could include homes electrified, WE&T trainings held, etc.)

Equity Segment Indicator:

Count of equity target participants in market support segment, by sector

Market Support Segment Indicators:

Percent of participation relative to eligible target population for curriculum

Number of unique participants by sector that complete training

Number of collaborations, with a contextual descriptions, by business plan sector to jointly develop or share training materials or resources

Unique Value Metrics:

Percentage of partner jurisdictions that use I-REN guides and tools for code compliance

**Does this program utilize Integrated Demand Side Management (IDSM)?**

For its 2028-2035 BPA, I-REN proposes to deploy cross-cutting IDSM education and technical support elements in its portfolio, to encourage EE+DER projects for permanent load shifting.

**Link to Existing Implementation Plan, if existing:**

[https://cedars.cpuc.ca.gov/documents/download/3853/mainchange\\_summary%7Cmain%7Credline/](https://cedars.cpuc.ca.gov/documents/download/3853/mainchange_summary%7Cmain%7Credline/)

# WE&T Training and Education Program Card

<b>Program Name: WE&amp;T Training and Education Program</b>		
<b>Program ID:</b> IREN-WET-001		
<b>New / Existing:</b> Existing		
<b>Expected Program Duration:</b> ongoing		
<b>Portfolio Segment:</b> (Resource Acquisition, Market Support, Equity, Codes and Standards)  Market Support	<b>Program Implementer Type:</b> (IOU Core, Third-Party Solicited, REN, CCA)  REN	<b>Third-Party Program Implementer (applicable to IOUs only):</b>  n/a
<b>Applicable Sector:</b> (e.g., Residential, commercial, industrial, agricultural, public, or cross-cutting, etc.) If multi-sector, provide a list of each sector covered)  Cross-Cutting	<b>Customer Group(s):</b>  Students, entry-level workers, contractors, and building professionals, with emphasis on underserved and DAC populations.	
<b>Sector Challenges:</b>  Misalignment between available training and regional workforce needs; limited access to EE career pathways in equity communities; Limited awareness of local energy careers and training opportunities in K-12; layered support services to allow DAC and underserved populations to participate in trainings without a financial or other livelihood repercussion	<b>Sector Opportunities (Expected Outcome(s)):</b>  Growing demand for skilled EE workers creates opportunities to expand training pipelines and regional workforce capacity.	
<b>Brief Program Description: (Including customer target, program strategies employed, expected program outcome):</b>  The WE&T Training and Education Program collaborates with education and training providers and workforce organizations to deliver no-cost, regionally relevant EE training. It builds foundational skills and awareness of EE career pathways. Outcomes include increased workforce readiness and access to EE careers. Additionally the WE&T Training and Education Program provides energy career awareness to k-6 audiences in an educational and engaging way. Through cross-cutting partnerships		

**Program Name: WE&T Training and Education Program**

with relationships build within I-REN's public sector and Workforce Development programs, certification program needs are also identified for training and upskilling to support the region's energy training needs.

<p><b>Known Equity Concerns in the Selected Markets (if applicable):</b></p> <p>Barriers to training access for DAC and underserved populations</p>	<p><b>Proposed Solutions to Equity Concerns (if applicable):</b></p> <p>No-cost training, targeted outreach, and partnerships with local institutions. Deepening partnership with workforce organizations to deploy these no-cost trainings with their existing connections with those communities of need.</p>
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<p><b>Intervention Strategy:</b> (e.g., SEM, MAP, Direct Install, Incentive/rebate, Finance, Audit, Technical Assistance, Advocacy, Training, Marketing and Outreach/Information)</p> <p>Training, Marketing and Outreach/Information</p>	<p><b>Delivery Type:</b> (e.g., Manufactured Upstream, Midstream-Distributor, Midstream-Retail, Downstream, Downstream - Direct Install, Codes &amp; Standards, etc.)</p> <p>N/A</p>
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<p><b>Measurement and Verification Methods:</b> (e.g., Deemed, Custom, NMEC – Population, NMEC – Site, SEM M&amp;V, Randomized Controlled Trial (RCT), Other)</p> <p>N/A</p>	<p><b>Program Total System Benefit (TSB) for 2028-2031:</b></p> <p>N/A</p>
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<p><b>Annual Budgets for 2028-2031:</b></p> <p>2028: \$2,919,724          2029: \$3,115,316          2030: \$3,239,886          2031: \$3,362,090</p>	<p><b>Cost Effectiveness (TRC and PAC Test Ratios) for 2028-2031:</b></p> <p>N/A</p>
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<p><b>Anticipated directional and scale changes in budget for years 2032-2035:</b></p> <p>Anticipate an increase in budget for this program for the 2032-2035 period, dependent on program performance.</p>	<p><b>Market Actors necessary for success:</b></p> <p>Training providers, educational institutions, employers.</p> <p>Training Providers:          Colleges, trade schools, unions, employers and workforce training organizations that deliver workforce learning opportunities.</p>
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**Program Name: WE&T Training and Education Program**

These partners support activities such as apprenticeships, on-the-job training, industry certifications, and technical skill development aligned with workforce needs.

Educational Institutions:

Colleges, universities, and technical schools that provide coursework and structured training pathways. These institutions may also collaborate in developing or expanding curriculum to support emerging technologies, specialized technical skills and evolving industry standards.

Employers:

Industry partners that provide employment opportunities and inform workforce development efforts. Employers help identify the skills and competencies needed for job readiness, offer feedback on applicant preparedness, and support alignment between training programs and labor market demands.

San Bernardino County Workforce Development Department, Riverside County Workforce Development Department, Science and Technology Education Partnership, EcoHero, local school districts, various training providers including, but not limited to: Chaffey College, University of La Verne, San Bernardino Valley College, Grid Alternatives, etc. Curriculum development with San Bernardino Community College District, University of California, Riverside Extension

International Facility Management Association (IFMA): I-REN will develop training, credentialing and certification assistance for public sector facility management staff on sustainability and energy efficiency best practices.

**Program Name: WE&T Training and Education Program**

**High-level description of delivery workforce including necessary scale and its risks:**  
Relies on trainers and partner institutions; risks include trainer availability and participant desire to obtain training within the energy pathways identified.

**Near-term Program Output(s) (1-4 years):**  
Trainings delivered, participants trained, elementary schools and students that received outreach. These metrics will include participation data from and for disadvantaged and underserved communities.

**Long Term Outcome (5-10 years):**  
Expanded regional EE workforce, increased awareness of energy efficiency careers, as well directly supporting energy efficiency certification and credentialing for existing workforce, for upskilling, and job seekers interested in the energy efficiency careers.

**Does this program interact with other programs in this PA portfolio? If so, describe:**  
By supporting growth in the region's energy efficiency workforce, the program supports Public Sector and C&S needs for trained building professionals to deliver energy efficiency projects and implement the building energy code in the public and private sector; participants may receive additional Title 24 and codes-related training and education through I-REN C&S offerings.

**Program Metrics and Indicators (KPIs):** Key indicators include number of trainings delivered, number of participants trained, participant demographics (including equity indicators), post-training knowledge gains, and engagement with EE career pathways.

Equity Segment Indicators: Count of equity target participants in market support segment, by sector

Market Support Segment Indicators: Number of partners by type and purposes; Percent of participation relative to eligible target population for curriculum; Percent of total WE&T program participants that meet the definition of disadvantaged worker

Unique Value metrics: number of schools that receive a school assembly, number of k-6 participants, and % of socioeconomically, disadvantaged, or underserved populations served.

<b>Does this program utilize Integrated Demand Side Management (IDSM)?</b>	<b>Link to Existing Implementation Plan, if existing:</b>
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**Program Name: WE&T Training and Education Program**

I-REN may provide IDSM-related trainings and career awareness to program participants.

[https://cedars.cpuc.ca.gov/documents/download/3849/mainchange\\_summary%7Cmain%7Credline/](https://cedars.cpuc.ca.gov/documents/download/3849/mainchange_summary%7Cmain%7Credline/)

# WE&T Workforce Development Program Card

<b>Program Name: Workforce Development Program</b>		
<b>Program ID:</b> IREN-WET-002		
<b>New / Existing:</b> Existing		
<b>Expected Program Duration:</b> ongoing		
<b>Portfolio Segment:</b> (Resource Acquisition, Market Support, Equity, Codes and Standards)  Market Support	<b>Program Implementer Type:</b> (IOU Core, Third-Party Solicited, REN, CCA)  REN	<b>Third-Party Program Implementer (applicable to IOUs only):</b>  n/a
<b>Applicable Sector:</b> (e.g., Residential, commercial, industrial, agricultural, public, or cross-cutting, etc.) If multi-sector, provide a list of each sector covered)  Cross-cutting: current and aspiring EE workforce and students across all sectors		<b>Customer Group(s):</b>  Building professionals, e.g., contractors, architects; EE workforce employers; job seekers; K-12, community college, and university students  Energy Fellows, local governments, and employers in the EE sector.
<b>Sector Challenges:</b>  Gaps in workforce capacity and limited access to paid, hands-on EE work experience, particularly for individuals from underserved, rural, tribal, and disadvantaged communities.		<b>Sector Opportunities (Expected Outcome(s)):</b>  Growing demand for EE, resilience, and climate-related projects creates opportunities to build a local workforce with practical, job-ready skills. Embedding trained Fellows within public agencies allows workforce development to directly support real EE project implementation while strengthening long-term market capacity.
<b>Brief Program Description: (Including customer target, program strategies employed, expected program outcome):</b>  The WE&T Workforce Development Program provides paid, experiential learning opportunities through I-REN's Energy Fellowship initiative by placing Fellows within local public agencies. Fellows support energy efficiency project development and implementation while gaining hands-on experience in the EE sector. Expected outcomes include increased public agency capacity, advancement of EE projects, and development of a skilled regional energy workforce.		

**Program Name: Workforce Development Program**

The WE&T Workforce Development program also support developing the region's new green workforce by partnering with leading initiatives and outreach within existing collaboratives and organizations that support the knowledge sharing between local government, CBOs, and training providers to enhance the awareness of green jobs within the Inland Empire. By also supporting the attraction of new, green and clean technology employers into the region, the program also supports increasing the demand of green workforce needs that I-REN can support in training local community members for.

**Known Equity Concerns in the Selected Markets (if applicable):**

Individuals from underserved, disadvantaged, and hard-to-reach communities often face barriers to entering the energy efficiency workforce, including limited access to paid training opportunities and professional experience.

**Proposed Solutions to Equity Concerns (if applicable):**

The program offers paid fellowships that lower financial barriers to workforce participation and places Fellows in public agencies serving equity communities.

**Intervention Strategy:** (e.g., SEM, MAP, Direct Install, Incentive/rebate, Finance, Audit, Technical Assistance, Advocacy, Training, Marketing and Outreach/Information)

*Marketing and Outreach, Training*

**Delivery Type:** (e.g., Manufactured Upstream, Midstream-Distributor, Midstream-Retail, Downstream, Downstream - Direct Install, Codes & Standards, etc.)

N/A

**Measurement and Verification Methods:** (e.g., Deemed, Custom, NMEC – Population, NMEC – Site, SEM M&V, Randomized Controlled Trial (RCT), Other)

N/A

**Program Total System Benefit (TSB) for 2028-2031:**

N/A

**Annual Budgets for 2028-2031:**

2028: \$2,179,191  
 2029: \$2,374,162  
 2030: \$2,988,103  
 2031: \$3,669,669

**Cost Effectiveness (TRC and PAC Test Ratios) for 2028-2031:**

N/A

**Program Name: Workforce Development Program**

**Anticipated directional and scale changes in budget for years 2032-2035:**

Based on increased Fellow placements and demonstrated value in supporting public sector EE projects, the program is expected to maintain or expand funding levels in future portfolio cycles, subject to Commission approval.

**Market Actors necessary for success:**

Local agencies, employers, fellows/students, workforce and education partners, site hosts.

Inland Southern California Climate Collaborative (ISC3) - convenes local governments, businesses, nonprofits, and educational institutions to advance regional climate mitigation and adaptation efforts through collaboration, and knowledge sharing. It also supports the development of the region's emerging green workforce by promoting workforce training partnerships, career pathway development, and programs that prepare residents for jobs in clean energy, climate resilience, and sustainability sectors

Inland Empire Growth & Opportunity - Inland Empire Growth & Opportunity supports development of the region's emerging green workforce by aligning economic development, education, and industry partners to expand training programs and career pathways in clean energy, advanced manufacturing, and sustainable infrastructure. It works to attract and grow clean technology industries while ensuring local workers have access to the skills, credentials, and employment opportunities needed to participate in the Inland Empire's transition to a more sustainable economy

**High-level description of delivery workforce including necessary scale and its risks:**

Key risks include availability of local qualified Fellows, sufficient host agency capacity/interest, sustained funding to scale placements region-wide, as well as successful alignment of energy workforce and economic development demands.

**Near-term Program Output(s) (1-4 years):**

Energy Fellows placed at local agencies (most of which are considered primarily or partially Disadvantaged, underserved, or hard-to-reach), increased staff capacity at host agencies, and direct support for public sector EE project development and

**Program Name: Workforce Development Program**

implementation. Additionally, increased collaborations and partnership between nonprofits, CBOs, economic development, and workforce development organizations with a clear perspective on energy and clean technology demands.

**Long Term Outcome (5-10 years):**

A stronger, more equitable regional EE workforce with sustained career pathways and improved local government capacity to implement energy efficiency and resilience projects.

**Does this program interact with other programs in this PA portfolio? If so, describe:**

Yes. The Workforce Development Program directly supports I-REN's Public Sector Programs by providing staff capacity through Fellows who assist with project identification, development, and implementation. I-REN Energy Fellows may receive additional Title 24 and codes-related training and education through I-REN C&S offerings. The Workforce Development Program also aligns the workforce development needs identified from local communities, CBOs, and industry, with the training opportunities provided within the Workforce Education & Training Program.

**Program Metrics and Indicators (KPIs):**

Key metrics include number of Energy Fellows placed, number of host agencies, number of public sector EE projects supported by Fellows, and the proportion of placements benefiting disadvantaged, underserved and HTR communities.

Equity Segment Indicators: Count of equity target participants in market support segment, by sector

Market Support Segment Indicators: Number of partners by type and purposes; Percent of participation relative to eligible target population for curriculum; Percent of total WE&T program participants that meet the definition of disadvantaged worker

Unique Value Metric: Number of fellows placed within partner jurisdictions.

**Does this program utilize Integrated Demand Side Management (IDSM)?**

I-REN Energy Fellows may receive training on IDSM to equip them for supporting IDSM projects in the public sector

**Link to Existing Implementation Plan, if existing:**

[https://cedars.cpuc.ca.gov/documents/download/3855/mainchange\\_summary%7Cmain%7Credline/](https://cedars.cpuc.ca.gov/documents/download/3855/mainchange_summary%7Cmain%7Credline/)