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CHEERS Proposed QA Model





Benefits of Proposed Changes

- Improve Administration/Updating of FV&DT Regulations in Title 24
- Address Role of ECC-Rater Companies
- Eliminate Special Inspector Status to Remove Restrictions
- Clarify Conflict of Interest Protections
- Address Conflicted Data
- Appropriate Actions for Corresponding Noncompliance
- Strengthen Quality Assurance
- Increase Consistency for Training, Testing, and Reporting

CHEERS Proposed Model

CHEERS would like to proposed to the CEC the following QA Model:

- Remove Shadow Audits and Lab Audits
 - History of producing false positive outcomes
- Promote Desk Audits, Blind Audits and consider Surprise Audits
 - Desk Audits offer the opportunity to conduct higher number of audits due to low cost
 - Desk Audits enable Blind Audits to be more targeted
 - Surprise Audits leverages technology to utilize timing and location while offering a lower cost which enables greater volume
- CHEERS is exploring leveraging IHACI, Trade Schools, Industry Associations and Manufacturers to outsource the HERS Lab and Certification Training



Initial Incremental Costs

Costs to Affected Party	Description of Cost	Estimated Incremental Cost
ECC Rater	No Change to Costs	\$0
ECC Rater Company	ECC Rater Certification Required Training Reporting	\$300 or \$2,500 \$90 \$2,200
ECC Provider	Progressive Discipline Quality Assurance Training Reporting	\$17,000 \$11,000 \$11,000 - \$80,000 \$5,300



Ongoing Incremental Costs

Costs to Affected Party	Description of Cost	Estimated Ongoing Cost
ECC Rater	No Change to Costs	\$0
ECC Rater Company	ECC Rater Certification Required Training Reporting	\$300 or \$2,500 \$90 if required \$2,200
ECC Provider	Progressive Discipline Quality Assurance Training Reporting	\$21,000 (\$1.8 - \$2.0 Million) \$1,500 - \$12,000 \$5,300

Lab Costs

CEC's Model - Retraining

- 20K sqft Warehouse Rent/Lease
 - \$8.22 per sqft annually
 - \$164,400 annually
- Training staff
 - Scope: 2 resources
 - Schedule: two hours
 - Budget: \$74
- Facility cost per retraining: \$40
- Staff estimates total annual cost for retraining: \$21,000

<u>CHEERS Model – All Training</u>

- Two 1600 sqft homes Purchase
 - \$406 per sqft
 - \$1,692,000
- Training staff
 - Scope: 2 resources
 - Schedule: Full Time
 - Budget: \$182K (fully loaded)
- Annual operating expense
 - Budget: \$561,600
 - Hourly Facility Cost: \$293

New Reporting and Progressive Discipline

CEC's Model

New reporting requirements estimate

Data analyst: \$37 hourly

• Scope: 60hrs

• Total: \$2,200

Progressive Discipline development:

• Resource: \$34.53 hourly (\$5,525 per month)

Scope: 3 months

Total: \$17K

 Changes to the data registry for Progressive Discipline regulations:

Dev resource: \$155 per hour

Scope: 160hrs

Total: \$25K

CHEERS' Model

New reporting requirements estimate

Data analyst: \$100 hourly

• Scope: 100hrs

• Total: \$10,000

Progressive Discipline development:

Resource: \$100 hourly (\$16,000 per month)

• Scope: 3 months

Total: \$48K

 Changes to the data registry for Progressive Discipline regulations:

Dev resource: \$155 per hour

Scope: 160hrs

• Total: \$25K

Training Materials – Code Update

CEC's Model

- Training Materials (Each Code Cycle)
 - Resource: \$34.53 hourly
 - Scope: 2 months
 - Total: \$11K
- Learning Management Systems (LMS)
 - Estimated cost: between \$12,000 and \$80,000
 - Scope: "Covered in as little as 30 minute, but only restricts the training to being less than 8 hours."
- Reporting
 - Dev resource: \$33 per hour
 - Scope: 1 month
 - Total: \$5,283

CHEERS Model

- Training Materials (Each Code Cycle)
 - Resource: \$100 hourly
 - Scope: 2 months
 - Total: \$32K
- Learning Management Systems (LMS)
 - Estimated cost: between \$12,000 and \$80,000
 - Scope: "Covered in as little as 30 minute, but only restricts the training to being less than 8 hours."
- Reporting
 - Dev resource: \$100 per hour
 - Scope: 1 month
 - Total: \$16K

Quality Assurance

CEC's Model

- Raters per Provider: 450
- Tested Site Audits: 1,800
- Sample Group Audits: 2K
- Addt. Audits due to failures: 180
- Cost per rater: \$2,222
- Cost per audit: \$263
 - Total audits: 3,980
- Total Program Cost: \$1M

CHEERS Model

- Raters per Provider: 750
- Tested Site Audits: 3,000
- Sample Group Audits: 3,333
- Addt. Audits due to failures: 300
- Cost per rater: \$2,222
- Cost per audit: \$263
 - Total audits: 6,633
- Total Program Cost: \$1.7M

Next Steps

CHEERS appreciates the opportunity to collaborate with the CEC on cost models for HERS certification training and quality assurance processes.

CHEERS would like to schedule a review meeting to review this presentation and answer any questions the Commission might have regarding CHEERS proposed changes to the current model.

Thank You
CHEERS Team

