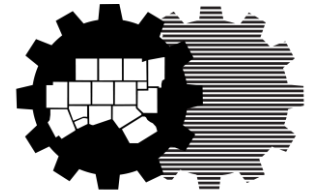


Energy Efficiency in Codes

NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

July 28, 2026



North Central Texas
Council of Governments

Welcome & Housekeeping



Please keep your microphone on mute until the Question-and-Answer session at the end of both presentations.



This webinar is being recorded. The presentation slides and recording will be posted on the Regional Energy Management Program webpage under the green **Events and Training** banner linked here: <https://www.nctcog.org/envir/natural-resources/energy-efficiency>



Follow-up email to come with links to the webinar materials. If you did not RSVP in advance but would like to receive these materials, please email cbuckley@nctcog.org.

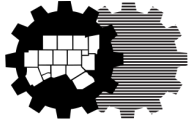
Workshop Sponsor



NCTCOG receives funding through SECO to work on energy management and efficiency projects within the region. As part of this work, we have provided workshops, webinars, and technical assistance on a variety of energy management, energy efficiency, water efficiency, and renewable energy topics.

Who We Are

How do we support energy management efforts for entities across the state?



North Central Texas
Council of Governments

NCTCOG is a regional planning agency serving North Texas local governments on a variety of topics. NCTCOG's Regional Energy Management Program is an ongoing effort to:

- Identify energy management needs
- Increase awareness on the local government energy reporting requirements
- Provide resources to assist local governments in energy management and conservation efforts



SECO partners with local governments, public K-12 schools, public institutions of higher education and state agencies, across Texas to reduce utility costs and maximize energy efficiencies.



Today's Agenda

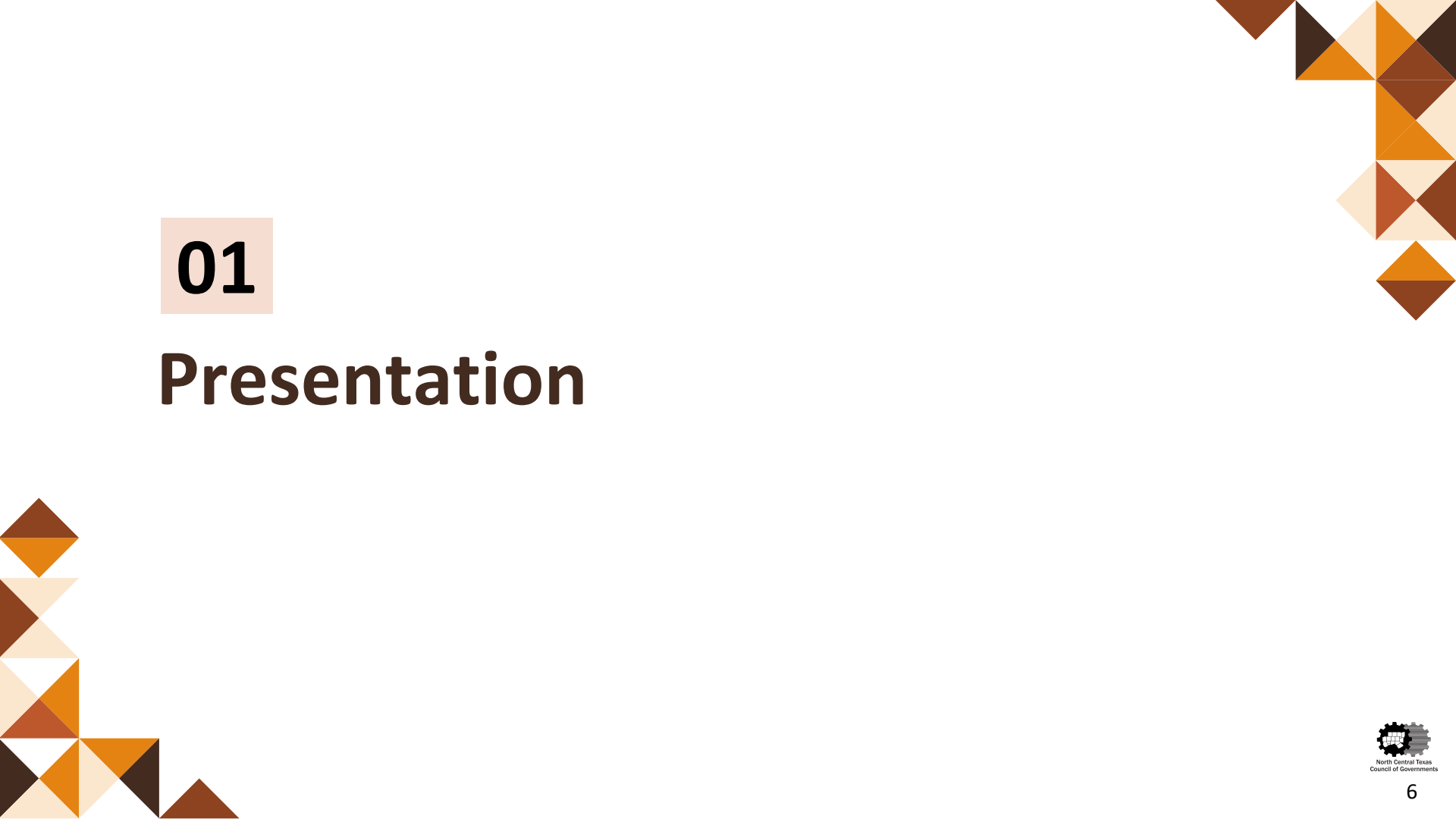
1. Presentation:

- How the NCTCOG Energy & Green Advisory Board Shapes the Future of the Energy Code

2. Q&A Session

3. Upcoming Events

4. Resources



01

Presentation



Randy Plumlee

Senior Manager of Building Performance
SPEER



Gary McCoy

*Partner/VP of Business Development
Blink Energy Services*



How the NCTCOG Energy & Green Advisory Board Shapes the Future of the Energy Code

Host: Randy Plumlee / Senior Manager for Building Performance and Energy & Green Advisory Board member



Who is SPEER?

- **REEO: Regional Energy Efficiency Organization**
- **Member-based, non-profit 501(c)3 organization**
- **65+ members from a wide cross section of Energy Efficiency Industries**
- **Focused on Outreach Education and Collaboration on Clean Energy**





Regional Codes Coordinating Committee (RCCC)

Regional Codes Advisory Boards

- **Building & Professional**
- **Fire**
- **Plumbing & Mechanical**
- **Electrical**
- **Energy & Green**
- **Promote regional consistency**
- **Improve code quality**
- **Encourage collaboration**
- **Develop practical, enforceable code recommendations**
- **Support local jurisdictions**

The RCCC brings together subject matter experts from both the public and private sectors to review model building codes, develop regional amendments, and promote greater consistency in code adoption and enforcement across North Central Texas.



What is the Energy & Green Advisory Board?

Provides technical expertise on:

- **IECC**
- **Energy Efficiency**
- **Green Construction**
- **Building Performance**
- **Sustainability**

Recommendations go to the RCCC

To evaluate new energy code provisions, identify regional impacts, develop practical amendments, and promote consistent enforcement throughout North Central Texas



Who sits around the Table?

- **Building Officials**
- **Plan Reviewers**
- **Energy Efficiency Professionals**
- **Builders**
- **Mechanical Engineers**
- **Architects**
- **Inspectors**
- **Consultants**

Everyone has a Voice

- **Balanced Perspective**
- **Public & Private Sector**
- **Technical & Practical Expertise**
- **Diverse Industry Representation**
- **Consensus-Driven Recommendations**



What makes this Board different?

The goal is NOT:

- **To Win arguments**

The main goal IS:

- **Build consensus**

Talks include:

- **Technical discussions**
- **Practical enforcement**
- **Cost impacts**
- **Unintended consequences**

Technical Accuracy

plus

Practical Enforcement

plus

Industry Experience

plus

Regional Consistency

equals

Consensus Recommendations



Where does the Process start?

- **ICC publishes new edition**
- **Members review each chapter and sections**
- **Issues identified**
- **Working meetings commence**
- **Draft amendments are proposed**
- **Consensus is reached**
- **RCCC approves**
- **Executive Board endorses**
- **Cities consider adoption**



Reviewing the Code

- **Example: 2024 IECC R403.3.8 – Duct Leakage**
- **Questions asked:**
 - **Can it be enforced**
 - **Does it conflict with state law**
 - **Is it practical**
 - **Does it improve efficiency**
 - **Will builders understand it or accept it**
 - **Can inspectors verify it**

**Every Proposed Change Is
Evaluated Through Three
Lenses**

- **Technical Accuracy**
- **Practical Enforcement**
- **Regional Applicability**



Developing Amendments

- **Clarification of the new requirement**
- **Regional concerns addressed**
- **Texas law verified**
- **Inspection practicality**
- **Consistency**
- **Code intent**

Regional amendments are developed to improve implementation—not to rewrite the model code.

Every Amendment Should...

- **Preserve the intent of the IECC**
- **Improve clarity**
- **Be practical to enforce**
- **Promote regional consistency**



Consensus Building

1. **Builders want flexibility**
2. **Inspectors want enforceability**
3. **Engineers want technical accuracy**
4. **Cities want consistency**
5. **Consensus = A recommendation that is technically sound, practical to enforce, and acceptable to the majority of stakeholders.**

Constructability

Enforceability

Performance

Consistency



Public Participation



Anyone can attend



Comments are encouraged



Industry participation



Transparency



Meeting minutes



Open discussion

The best code recommendations come from broad participation, diverse perspectives, and an open decision-making process.



Why Regional Amendments Matter

- **Consistency across North Texas cities**
- **Reduced training**
- **Lower construction costs**
- **Predictable enforcement**
- **Improved compliance**
- **Easier for Builders**
- **Less confusion**

Regional consistency improves efficiency, reduces uncertainty, and helps everyone achieve better compliance.



What are the Challenges

Every Recommendation Must Balance

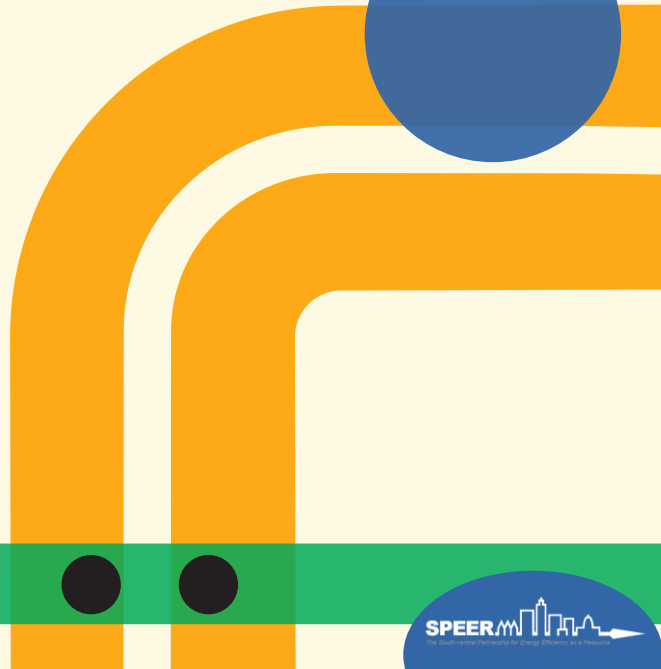
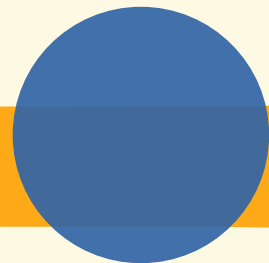
- **Affordability**
- **Safety**
- **Energy Performance**
- **Constructability**
- **Enforceability**
- **Innovation**
- **Local Needs**

Good code development is the art of balancing competing priorities while never losing sight of the people who ultimately occupy the building.



Looking ahead to 2027 IECC

- **Electrification**
- **Heat pumps**
- **Solar readiness**
- **Battery storage**
- **Energy monitoring**
- **AI-assisted enforcement**
- **Performance compliance**





Lessons Learned

Energy codes aren't written by one person



They're developed by professionals willing to collaborate



The best code isn't always the strictest



It's the one that can actually be understood, enforced, and consistently be applied



How You Can Participate

- **Attend meetings**
- **Review agendas**
- **Submit comments**
- **Join the discussions**
- **Become part of future code development**

The Advisory Board Will Continue To Evaluate:

- **Emerging technologies**
- **Industry best practices**
- **Building science research**
- **Practical implementation**
- **Regional impacts**

Tomorrow's codes will focus on smarter, higher-performing buildings while balancing affordability, resilience, and practicality.

Blink Energy Services

Let's Build Something Great Together

Gary is our primary point of contact for new business and partnerships.

Reach out today to discuss how we can optimize your project's energy systems and boost your bottom line.



Gary McCoy

Primary Sales POC

gary@blinktexas.com

469-240-2399





Any Questions?

Thank you!

My Contact Info:

Randy Plumlee

214.803.2330

rplumlee@eepartnership.org



03

Q&A Session

Questions & Discussion

Please use the “raise hand” feature or post your question in the chat.





04

Upcoming Events



Upcoming Events

Regional Integration of Sustainability Efforts (RISE) Coalition

Next meeting: Wednesday, July 29, 2026, at 9:30 a.m.

Location: Microsoft Teams

[RSVP for Meeting](#)

Visit the [committee page](#) to stay updated on meetings.

Learn more about the RISE Coalition on their [program page](#).





Upcoming Events

Data Centers in Texas - Water Resources Impacts and Policy Recommendations Webinar

Dates: August 7, 2026, at 10:00 a.m.

Location: Microsoft Teams

Speakers will provide an overview of different technologies and systems employed on data center campuses, the impact of data centers on Texas's water resources, and policy recommendations for managing the impact of this growing sector ahead of the upcoming Texas legislative session.

[Registration Link](#)



Upcoming Events

Sustainable Procurement for Local Governments Webinar

Dates: August 18, 2026, at 10:00 a.m.

Location: Microsoft Teams

Speakers will provide an overview of sustainable procurement and highlight examples of successful sustainable purchasing programs at various stages of development.

[Registration Link](#)

Stay Informed on Upcoming Events



UPCOMING NCTCOG EVENTS

Environment and Development: <https://nctcog.org/envir/events>

DFW Clean Cities: www.dfwcleancities.org/events

Stay Informed on Upcoming Events



NCTCOG'S FREE E-MAIL LISTS AND COMMITTEE UPDATES

NCTCOG General: <https://www.nctcog.org/stay-informed?ext=>

Environment & Development General: <https://www.nctcog.org/envir/mail>

Energy Mailing List: <https://nctcog.activehosted.com/f/11>

Transportation: <https://publicinput.com/hub/Subscriptions/2768>



05

Resources



NCTCOG Resources

Conserve North Texas - www.conservenorthtexas.org

Highlighted Resources:

- Department of Energy [Zero Energy Ready Home Program](#)
- ENERGY STAR [Home Energy Yardstick](#)

Go Solar Texas - www.gosolartexas.org

Highlighted Resource:

- [Steps for Going Solar](#)

Regional Energy Management Program - www.nctcog.org/envir/natural-resources/energy-efficiency

Air Quality Funding and Resources -

<https://www.nctcog.org/trans/quality/air/funding-and-resources>

SECO Programs & Resources

No-cost resources offered by SECO to aid entities in achieving their energy management or efficiency goals



WattWatchers of Texas

- Behavioral program for schools and families
- TEKS aligned STEM material



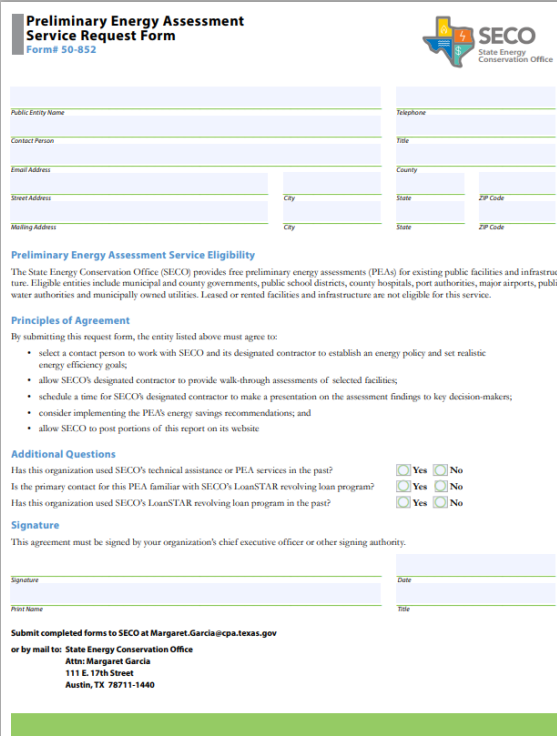
Local Government Energy Reporting

- Technical assistance for State-mandated energy efficiency and reporting

SECO Programs & Resources

Preliminary Energy Assessments (PEAs)

- Provided at no cost to qualifying entities and facilities.
- Detail recommendations for cost-effective resource efficiency measures that entities can implement to decrease utility consumption or costs.



**Preliminary Energy Assessment
Service Request Form**
Form# 50-852

SECO
State Energy
Conservation Office

Public Entity Name _____ Telephone _____

Contact Person _____ Title _____

Email Address _____ County _____

Street Address _____ City _____ State _____ ZIP Code _____

Mailing Address _____ City _____ State _____ ZIP Code _____

Preliminary Energy Assessment Service Eligibility

The State Energy Conservation Office (SECO) provides free preliminary energy assessments (PEAs) for existing public facilities and infrastructure. Eligible entities include municipal and county governments, public school districts, county hospitals, port authorities, major airports, public water authorities and municipally owned utilities. Leased or rented facilities and infrastructure are not eligible for this service.

Principles of Agreement

By submitting this request form, the entity listed above must agree to:

- select a contact person to work with SECO and its designated contractor to establish an energy policy and set realistic energy efficiency goals;
- allow SECO's designated contractor to provide walk-through assessments of selected facilities;
- schedule a time for SECO's designated contractor to make a presentation on the assessment findings to key decision-makers;
- consider implementing the PEA's energy savings recommendations; and
- allow SECO to post portions of this report on its website.

Additional Questions

Has this organization used SECO's technical assistance or PEA services in the past? ☐ Yes ☐ No

Is the primary contact for this PEA familiar with SECO's LoanSTAR revolving loan program? ☐ Yes ☐ No

Has this organization used SECO's LoanSTAR revolving loan program in the past? ☐ Yes ☐ No

Signature

This agreement must be signed by your organization's chief executive officer or other signing authority.

Signature _____ Date _____

Print Name _____ Title _____

Submit completed forms to SECO at Margaret.Garcia@cpa.texas.gov
or by mail to: State Energy Conservation Office
Attn: Margaret Garcia
111 E. 17th Street
Austin, TX 78711-1440

50-852 (10-11-12)

SECO Programs & Resources

Technical Assistance for Local Governments

- Provides customized, on-site, energy-related services ranging from basic consultation to feasibility studies.
- Eligible entities may request assistance with either energy or water-related technical matters.
- Full eligibility and program details on SECO's website.

Technical Assistance Service Request Form
Form# 50-855

SECO
State Energy Conservation Office

Public Entity Name _____ Telephone _____

Contact Person _____ Title _____

Email Address _____ County _____

Street Address _____ City _____ State _____ ZIP Code _____

Mailing Address _____ City _____ State _____ ZIP Code _____

Description of Technical Assistance Needs

Technical Assistance Eligibility

The State Energy Conservation Office (SECO) provides free technical assistance for existing public facilities and infrastructure. Eligible entities include municipal and county governments, public school districts, county hospitals, port authorities, major airports, public water authorities and municipally-owned utilities. Leased or rented facilities and infrastructure are not eligible for this service.

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Attn: Margaret Garcia
111 E. 17th Street
Austin, TX 78711-1440

50-855 (09-1917)

SECO Programs & Resources

Texas LoanSTAR Revolving Fund Program

- Finances Projects that Reduce Energy/Water/Utility Costs
- Simple Payback Period of 15 Years or Less
- 2.5% Loan Interest Rate; 1.5% if you choose ARRA Funds with more reporting requirements
- Full project eligibility and program details on website.



https://www.youtube.com/watch?v=4IFuj_5ZeGI

Open Enrollment through
Aug. 31, 2026

Webinar Feedback

Please provide feedback on today's webinar through this brief Webinar Evaluation. Thank you!

<https://www.surveymonkey.com/r/2MCYTHV>





NCTCOG Contacts

Crysta Guzman

Senior Planner

Environment & Development

817-695-9107

cguzman@nctcog.org

Corinne Buckley

Environment & Development Planner II

817-704-2510

cbuckley@nctcog.org

Madisson Dunn

Environment & Development Planner II

817-704-5611

mdunn@nctcog.org

Caralyn Dawson

Environment & Development Planner II

817-608-2377

cdawson@nctcog.org

Savana Nance

Principal Air Quality Planner

Transportation

682-433-0488

snance@nctcog.org

Energy Team

energy@nctcog.org