



Agenda

**Regular Meeting of the
Economic Development
Advisory Committee
November 5, 2025 at 11:00 AM
Councilors' Conference Room,
City Hall
200 Lincoln Avenue**

Procedures for Economic Development Advisory Committee Meeting

Join Zoom Meeting:

[https://santafenm-
gov.zoom.us/j/83314578481?pwd=43m0IVRTb3XLlrhJXilmOIKpEcbCsb.1](https://santafenm.gov.zoom.us/j/83314578481?pwd=43m0IVRTb3XLlrhJXilmOIKpEcbCsb.1)

Meeting ID: 833 1457 8481

Passcode: 536279

1. Call to Order
2. Roll Call
3. Approval of Agenda
4. Approval of Consent Agenda
5. Approval of Minutes
 - a. Approval of the October 1 Economic Development Advisory Committee (EDAC) Meeting Minutes
6. Action Items: Discussion Agenda
 - a. Go Local, Go Different Subcommittee Chair Vote. (Johanna Nelson, Director, City of Santa Fe, Office of Economic Development, jnelson@santafenm.gov; Councilor Cassutt, Chair, Economic Development Advisory Committee, jcassutt@santafenm.gov)
7. Presentations
 - a. Fusion Energy and Santa Fe (Simon Woodruff, President Woodruff Engineering, simon@woodruffscientific.com)
 - b. High Performance Computing and Santa Fe (Dave Montoya, CIO, New Mexico Consortium, dmontoya@newmexicoconsortium.org)
8. Public Comment

9. Matters from Staff
10. Matters from the Committee
11. Matters from the Chair
12. Next Meeting:
 - a. December 3, 2025
13. Adjourn

Persons with disabilities in need of additional accommodations, contact the City Clerk's office at 505-955-6521, five (5) working days prior to meeting date.



Advanced Computing - Santa Fe-

David Montoya
NMC CIO
11/5/2025

Advanced Computing

❖ High Performance Computing (HPC)

- Physics and Materials Science
- Climate & Earth Science
- Astrophysics simulations

❖ AI Computing - supports all the above + includes:

- Model training
- Inference
- Deploy and manage: integrations, agents, etc..

❖ Quantum - supports all the above +:

- Augments, adds optimization characteristics
- NM target capability



LANL ATS System Crossroads
Installed 2023 - power consumption is a
maximum of 18 MW, 6,144 compute nodes



Advanced Computing Needs

❖ Large Data Centers - Hyperscalers

- Power - 30 - 50 MW per site
- Cooling - large water usage
- Space
- Data Storage/ Network Integration
- Serving remote users

❖ Research / Testbed Centers

- Fraction of above
- Broader Industry / Lab interaction
- Diverse technology



Unique Regional Assets

- ❖ **Los Alamos National Laboratory**
- ❖ **Sandia National Laboratory**
- ❖ **UNM – Center for Advanced Research Computing**
- ❖ **NMC – Collaborations, Supercomputing Institute**
- ❖ **Santa Fe Institute - SFI**
- ❖ **Other computing organizations and startups**

Past Events:

- ❖ HPC User Forum 2025
- ❖ BRICCs Workshop – 2023
- ❖ HPCMASPA - 2023
- ❖ others...

Why Santa Fe

❖ Location

- Collaboration - middle ground for National laboratories
- Grounding point for startups working with labs

❖ Culture / Technical Environment

- Sizable technologically savvy population
- Computing can be done from anywhere in the world, can we entice people to work in Santa Fe where there is a technologically focused vibe and cultural draw.
- Build on the Arts and cultural diversity to provide energy to start-ups and collaborations. Age of Innovation thinking.

❖ Size

- The right size for an Innovation Hub with close association to regional assets

-Impact-

Increases demand for local educational programs, workforce training, and talent attraction/retention.

Fosters an ecosystem of startups, service providers, data infrastructure firms, consulting, software development, etc.



Possibilities or not..

❖ **Large Data Center**

- Probably not - space, power, communication needs for hyperscalers.

❖ **Test bed and Innovation Center**

- Good fit. Ties to collaborations and projects out of the labs, SFI, etc.. Pulls in companies with research projects. Smaller in size but broader in breadth.
- Santa Fe can leverage the “innovation hub” brand, attract high-value individuals and firms who contribute to the local economy (housing, services, etc.).



Discussion....

❖ **Collaborations**

- NMAIC - NM State

❖ **Quantum efforts - NM and Santa Fe**

- State driven efforts

❖ **LANL Industry collaborations**

- SK Hynix, others