Grant Funding Opportunities in Cyberinfrastructure

NJ EdgeCon2020
Communicating and Engaging in
the Digital Era
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MRA International

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WELCOME!

With special thanks to:

LEARNING OBJECTIVES:

- Competitive Grant Funding Opportunities

- Grant research

- Eligibility

- Alignment

- The grant-seeking process

- Developing responsive partnerships

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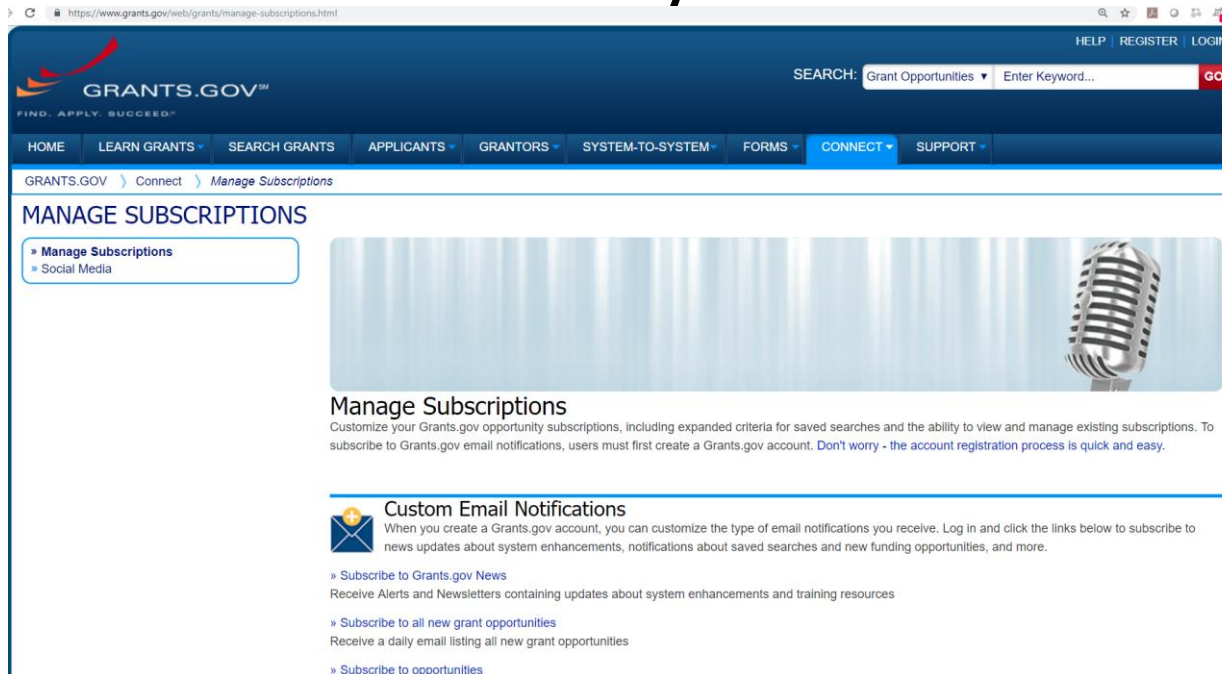Winning grants to fund the greater good since 1995.

BASIC CONCEPTS:

⮕ *Grants* are funds or other resources disbursed by one party (funder), often a government agency, corporation, foundation or trust, to a recipient (grantee)

⮕ *Grantees* are often (but not always) nonprofit or public entities

⮕ In order to receive a grant some form of proposal or an application, is usually required

⮕ Most grants are made to fund a *specific project* and require compliance and reporting

⮕ Grants almost always involve an applicant submitting a proposal to a potential funder, either on the applicant's own initiative or in response to a Request for Proposal (RFP) from the funder

⮕ Other grants can be given to individuals, such as scientific researchers, students, and individuals who seek to open a small business

⮕ Largely, grantors require that grantees have some form of *tax-exemption* via nonprofit incorporation or establishment as a government entity

⮕ Grants range in size from large, such as those negotiated at the government policy level, to very small, like those given college students to purchase books or supplies

⮕ The *average federal grant* given to a school or district is approximately $200,000 per year, but these often span several years and amount to about $1,000,000

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FUNDERS:

- Government Agencies
  - Federal
  - State (pass through)
  - Local
- Foundations
  - Private
  - Corporate
  - Community

GRANT RESEARCH:

Government Discretionary Grant Search Links

- https://www.grants.gov/web/grants/manage-subscriptions.html

NEW JERSEY GOVERNMENT GRANTS:

New Jersey state departments and agencies provide financial assistance for a variety of programs through grants. The state provides citizens and organizations funds through grants for everything from educational projects to public health initiatives. Information available on the Web about state government grants can be accessed from this page.

«

- Agriculture
- Business Financing & Incentives
- Community Affairs
- Department of State
- Education
- Environmental Protection
- Health
- Human Services
- Law & Public Safety - Office of the Attorney General
- Transportation
- NJ Commission on Higher Education
- NJ Commission on Science & Technology

- https://www.nj.gov/nj/gov/njgov/grants.html

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PRIVATE GRANT SEARCH RESOURCES:

The Grantsmanship Center

THE GRANTSMANSHIP CENTER.

Get Funding.
Create Change.

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Home » RESOURCES » STATE GRANT RESOURCES » New Jersey Grant Resources

Local Funding Sources: New Jersey

🖨 **Printer-friendly version**

Plunge into your research for **New Jersey State funders!** But don't stop here! Get powerful how-to information, resources, and tools to help you win grant funding—some free, some for a fee. **The Grantsmanship Center** provides this **state-by-state funding data** as a public service, but this is only the beginning of what you can get and learn with our help.

GET TRAINING

Learn much more than **'grant writing.'** Get your programs funded because your grant proposals are compelling and they target the *right* funders. See which **training** is best for you. They're all fast-paced, inspiring, and packed with the most current and critical information.

Training may be in the planning stages right now, so **subscribe** if you'd like to be the first to know when it's coming to your area. Or find out how easy is it to **host** our training and get your staff trained for free! Email **Gail Brauner** or **Stephanie Dameron** or call us at (800) 421-9512. We look forward to hearing from you!

[see full schedule]

GET TOOLS

The textbook, *Grantsmanship: Program Planning & Proposal Writing,* takes you step-by-step through developing winning grant

- https://www.tgci.com/funding-sources/newjersey

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PRIVATE GRANT SEARCH RESOURCES:
The Grantsmanship Center

GET STARTED

Use these free resources to find funders in the State of NEW JERSEY

Top Giving Foundations in New Jersey

Community Foundations in New Jersey

Corporate Giving Programs in New Jersey
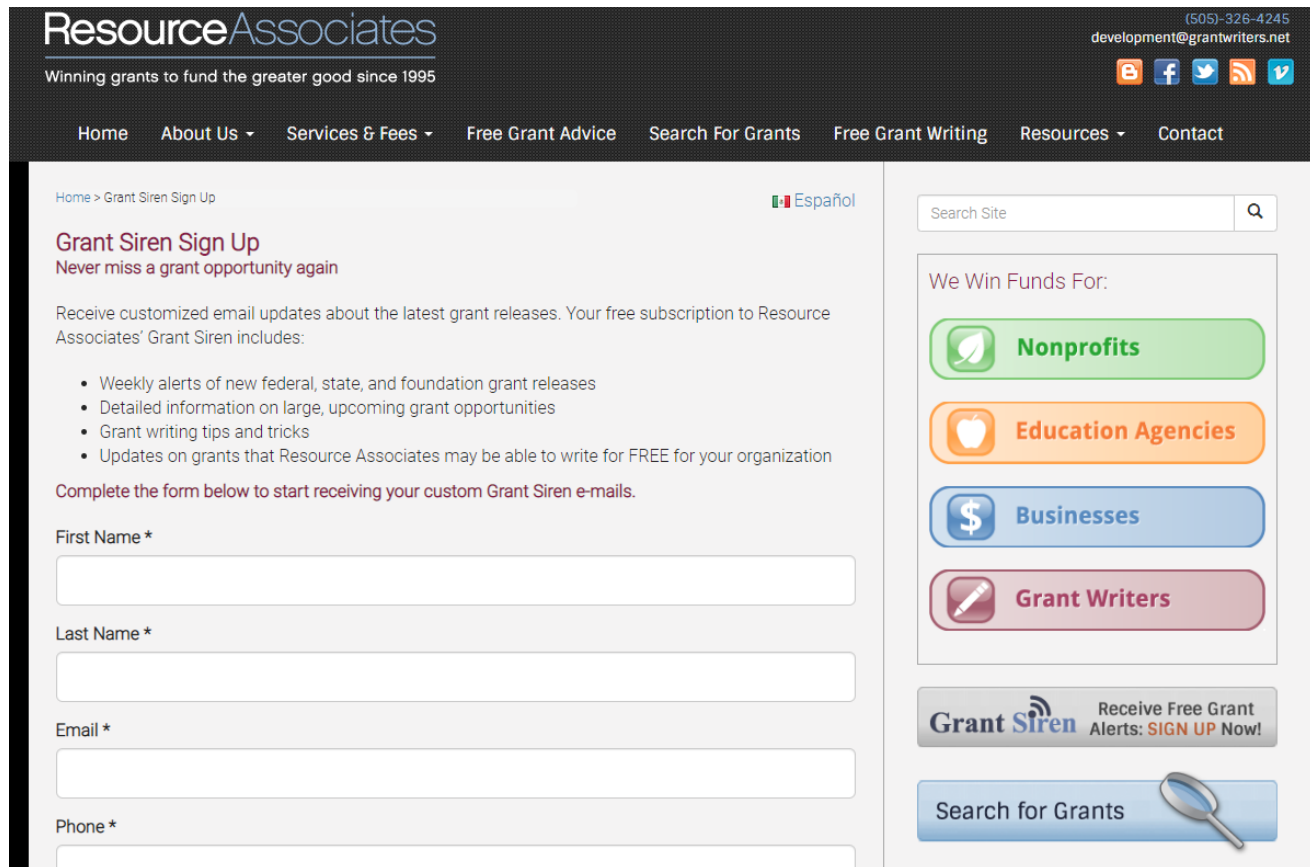
New Jersey State Home Page

- https://www.tgci.com/funding-sources/newjersey

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CORPORATE GRANT RESOURCES:

- Chambers of Commerce
- Largest Local Employers & Companies
- National Banks/Local Banks
- Vendors: Follett Grants & Funding Index

PAID SUBSCRIPTIONS:

- http://www.grantspy.com/

- https://www.grantprofessionals.org/subscribe

- https://www.snpo.org/publications/fundingalert.php

FREE SUBSCRIPTIONS:

- https://grantwriters.net/grant-siren-sign-up/

GRANT SEARCH TIPS:

- https://www.google.com/alerts

GRANT ALIGNMENT - The 5 Minute Fitness Test

➲ Find and review the RFP

- Confirm eligibility
- Confirm purpose alignment
- Confirm geographic reach
- <u>Always make sure your agency isn't specifically prohibited!</u>

➲ The Foundation 990

www.GuideStar.org

IMPROVING YOUR APPROACH

BEST PRACTICES:

- Analyze the *Evidence-Base* to determine which interventions get the best results.
    - National Education Association
    - Northwest Regional Education Lab
    - Southwest Region Education Board
    - U.S. Department of Education/Best Practices
- Review the program design of other grantees.
    - Contact the Program Officer of the grant and ask for a copy of the top-rated proposal
    - Contact the grantee
    - The FOIA Request (Demand copy of top-rated proposal by invoking the Freedom of Information Act.)

PARTNERSHIPS:

- Name your initiative

- Invite everyone

- Get support in writing

» School Districts	» Universities
» YMCA's/Boys and Girls Clubs	» Technical/Business Associations
» Workforce Investment Boards	» Chambers of Commerce
» United Ways	» Employers

SUSTAINABILITY:

Since grant funding is almost always temporary, grantors want to know how their dollars will affect lasting change.

- Identify and affect policy needed to bring about change.

- Identify potential partners and donors that might contribute to the project once the funding has been spent.

- Discuss alignment with state standards or new policy developments to let grantors know that your intervention has the potential to be institutionalized.

- Add Value!

ELEMENTS OF A STRONG PROPOSAL:

1. Connection to science or engineering research and education.
2. Ability to identify science drivers – specific R & E projects
3. <u>Compelling</u> needs statement/gap analysis
4. Stacked and Latticed credentials for project staff
5. Unique characteristics of your team
6. Available resources, STEM curriculum/investments, student demographics
7. Incorporation of technology-based interventions
8. Alignment with state or federal standards
9. Broad community involvement and support
10. Impressive program impact
11. Tracking and reporting processes
12. Plan for continuous improvement and sustainability
13. Accounting controls
14. Budget alignment with narrative
15. CONSISTENCY

REJECTIONS:

- Score sheets, reviewer's notes

- Address gaps in program design

- Notify partners and stakeholders of your intent to reapply

- Attend regional/national training events and conferences to bolster competencies

- Host quarterly conference calls with your partners to discuss the status of the re-application (keep minutes)

- Down-Slate Funding

- Ask for help!
  – Project Officer
  – Other grantees

FUNDING OPPORTUNITIES:

- [Campus Cyberinfrastructure (CC*)](#)
- [Cyberinfrastructure for Emerging Science and Engineering Research (CESER)](#)
- Research Experiences for Undergraduate Students
- Major Research Instrumentation Program
- NSF Core Research Program
  - Innovative HPC
  - Leadership Class
  - XSEDE
  - Data Building Blocks
  - Software Infrastructure for Sustained Innovation
- International Research Network Connections
- Cybersecurity Innovation for CI
- Training-based Workforce Development for Advanced Cyberinfrastructure (Cyber training)

AWARDS:

- For more information about what to expect when you win a grant, view our [Free Webinar: Planning for Success, What Happens After You Win a Grant](#)

AWARDS:

-
- 8 active awards in New Jersey (CC*)
  - Rutgers
    - Resilient Smart Cities ($926,000 to develop analytical framework for leveraging synergies in city Cis: mathematical tools; resource management mechanisms; behavioral models; and large-scale smart city simulators and associated experiments)
    - International Symposium on Cluster, Cloud and Grid Computing ($20,000)
    - Virtual Data Collaboratory ($4,000,000)
    - Online Data Processing in Large Facilities Using National Advanced Cyberinfrastructure ($292,445)
    - GeoSCIFramework: Scalable Real-Time Streaming Analytics and Machine Learning ($899,139)
  - Princeton
    - Waterman Award ($1,000,000)
  - Nokia of America
    - Detecting and Localizing Spectrum Offenders Using Crowdsourcing ($105,264)
  - The College of New Jersey
    - Building Friction-free High Speed Science Network and DMZ to Support Data-intensive R & E ($449,987)

QUESTIONS

Need Help?

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