

BTOP Comprehensive Community Infrastructure Project Plan and Build-out Timeline

Please complete the Project Plan and Build-out Timeline templates below. Note that these templates may be modified by applicants in order to provide the most effective presentation of the data for their specific project. Applicants should ensure, however, that they provide at least as much detail as the provided templates require.

For system stability reasons, it is recommended that you provide these documents in PDF format when submitting a copy of your application on an appropriate electronic medium, such as a DVD, CD-ROM, or flash drive. There is no need to provide this instruction page.

PROJECT PLAN

- Use the following table to list the major network build-out phases and milestones that can demonstrate that your entire project will be substantially complete by the end of Year 2 and fully complete by the end of Year 3. This is to be done at the aggregate level (combining all proposed funded service areas.)
- Indicated how the milestones listed below will demonstrate these completion objectives. The applicant should consider such project areas as: a) network design; b) securing all relevant licenses and agreements; c) site preparation; d) inside plant deployment; e) outside plan deployment; f) deployment of business & operational support systems; g) network testing; f) network operational. The applicant may provide any other milestones that it believes showcase progress.
- Project inception (Year 0) starts at the date when the applicant receives notice that the project has been approved for funding.
- In the table, provide any information (e.g., facts, analysis) to: a) demonstrate the reasonableness of these milestones; b) substantiate the ability to reach the milestones by the quarters indicated.

Time Period	Quarter	Milestones	Support for Reasonableness/Data Points
Year 0	-	Project has been approved for funding	
Year 1	Qtr. 1	Notice to Proceed Project kickoff meeting Review Roles and Responsibility Matrix Review Work Breakdown Structure (POW) Review Network design Review lease agreements, licenses and any site specific training/certificates. Product site access contact list and procedures	Project kickoff meeting minutes and supportive documentation.
	Qtr. 2	Process Purchase Order Mobilization - Structural analysis , Site survey design review and interoperability test needs	<ul style="list-style-type: none"> Assumes PO received end of Q2 and processes into Q3
	Qtr. 3	Produce Site/Path Surveys and Reports State of NJ Approval of Path Survey Report Frequency Coordination activities Final Design Review	<ul style="list-style-type: none"> Assumes 5 weeks and done concurrently Assumes approval will be granted w/no major issues Assumes 2 weeks and no major issues Assumes network design is approved
	Qtr. 4	Equipment Procurement Tower Construction Starts	<ul style="list-style-type: none"> Assumes typical 9 weeks to procure equipment

Year 2	Qtr. 1	Factory Staging Installation Starts	<ul style="list-style-type: none"> Assumes 1 week Customer Witness Test at factory Assumes sites ready and no problems encountered
	Qtr. 2	Installation Continues Site acceptance testing, Path acceptance, network verification testing when applicable	<ul style="list-style-type: none"> Assume sites ready and no problems encountered
	Qtr. 3	Installation Continues	<ul style="list-style-type: none"> Assume sites ready and no problems encountered
	Qtr. 4	Installation Continues System Verification Operational readiness testing 30 Day Performance Test Closeout	<ul style="list-style-type: none"> Assume sites ready and no problems encountered Assumes 2 weeks, no major issues encountered Assumes network passes 30 Day Performance Test Network Accepted
Year 3	Qtr. 1		
	Qtr. 2		
	Qtr. 3		
	Qtr. 4		



Graduate School of Biomedical Sciences
New Jersey Dental School
New Jersey Medical School
Robert Wood Johnson Medical School
School of Health Related Professions
School of Nursing
School of Osteopathic Medicine
School of Public Health

DENISE V. RODGERS, M.D.
Executive Vice President
for Academic and Clinical Affairs

March 19, 2010

The Honorable Lawrence Strickling
Assistant Secretary for Communications
U.S. Department of Commerce
140 Constitution Avenue, N.W.
Washington, DC 20230

Dear Assistant Secretary Strickling:

I am writing as a representative of the University of Medicine and Dentistry of New Jersey, the largest public health sciences university in the United States, to express our strongest support for the State of New Jersey's grant application for Broadband Stimulus funding under the NTIA's Broadband Technology Opportunities Program.

The University of Medicine and Dentistry of New Jersey is a health sciences university that consists of eight schools on five campuses, a behavioral health network and a University Hospital, which provides world-class education to practicing and future healthcare professionals and scientists.

We consider New Jersey's middle-mile proposal to be a program that would provide a critical foundation essential to meeting our core mission of providing cost-effective clinical care, research, education and community outreach across the state. With this grant, we will be able to provide high-speed broadband connectivity to the Level 1 trauma center at University Hospital and to other critically important clinical sites in our system. An infrastructure with high-speed connectivity between healthcare facilities will provide desperately needed gigabytes enabling UMDNJ access to research repositories and the ability to share data from remote instruments. Additionally, it will encourage collaboration and the ability to deploy Telemedicine-mediated treatment methodologies to the residents of New Jersey. This initiative also provides the opportunity to expand health information to urban centers and underserved residents via on-line programs, and a host of new applications that would not otherwise be possible due to prohibitive costs and the limited infrastructure available to many of the communities we serve.

The proposed middle-mile backbone will strengthen research collaboration in biomedicine, pharmaceutical chemistry, and neuroscience providing a catalyst for academic/industry partnerships, as well as contribute to the economic development of the state. The strategy of building one multi-use statewide innovation network positions New Jersey to achieve increased financial health through academic/business partnerships by creating a multi-use statewide innovation network that supports not just research, but education and healthcare.

I believe that funding provided by this grant is critical to providing the much needed broadband connectivity currently unavailable because of prohibitive costs.

Thank you for your consideration of this proposal.

Sincerely,

A handwritten signature in black ink that reads "Denise V. Rodgers MD". The signature is written in a cursive, flowing style. The first name "Denise" is written with a large, looped 'D'. The middle initial "V." is written in a smaller, simpler script. The last name "Rodgers" is written with a large, looped 'R' and a long horizontal stroke extending to the right. The "MD" is written at the end of the signature.

Denise V. Rodgers, MD
Executive Vice President for Academic and Clinical Affairs

U.S. Department of Commerce
Broadband Technology Opportunities Program
Authentication and Certifications

1. I certify that I am the duly Authorized Organization Representative (AOR) of the applicant organization, and that I have been authorized to submit the attached application on its behalf.
2. I certify that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or claims on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. §1001 and civil violations of the False Claims Act.
3. I certify that the entity(ies) I represent have and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.
4. I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009); the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.
5. I certify that any funds awarded to the entity(ies) I represent as a result of this application will not result in any unjust enrichment of such entity(ies) or duplicate any funds such entity(ies) receive under federal universal service support programs administered by the Universal Service Administrative Corporation (USAC).
6. I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NTIA for a waiver of the matching requirement.

March 26, 2010
Date



Authorized Organization Representative Signature

Adel Ebeid
Print Name

CIO/CTO
Title



Budget Narrative

Applicant Name: State of New Jersey / Office of Information Technology

EasyGrants Number: 103

Organization Type (from Question 1D on BTOP application): State or State Agency

Proposed Period of Performance: Three years

Total Project Costs: \$175,408,258

Total Federal Grant Request: \$135,868,577

Total Matching Funds (Cash): \$14,150,000

Total Matching Funds (In-Kind): \$25,389,681

Total Matching Funds (Cash + In-Kind): \$39,539,681

Total Matching Funds (Cash + In-Kind) as Percentage of Total Project Costs: 22.5%

1. Administrative and legal expenses \$502,200 Grant Request

- List breakout of position(s), time commitment(s) such as hours or level-of-effort, and salary information/rates with a detailed explanation, and additional information as needed.

The State of New Jersey and NJEDge.Net have partnered to deliver this new network to our critical community anchor tenants in New Jersey. The State's team will serve as the lead with NJEDge.Net driving the vendor activities and site deliverables to meet our timeline.

The SONJ Project Manager has overall tracking responsibility to insure adherence to the timeline.



Title	% of time allocated to project	Annual Cost	3-Year Cost
SONJ Project Manager	100%	\$92,400	\$277,200
NJEDge Budget and Compliance	100%	\$75,000	\$225,000

- Provide description, calculation, and basis of evaluation for Cash Matching Funds.

- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.

\$281,160 match

The State of NJ in-kind matching includes ARRA Broadband Coordinator. The Coordinator will be responsible for any financial reporting and coordination with all government agencies.

The OIT matching in-kind administrative staff is as follows:

Title	% of time allocated to project	Annual Cost	3-Year Cost
ARRA Broadband Coordinator	100%	\$93,720	\$281,160

Total Admin: \$783,380

2. Land, structure, rights-of-way, appraisals, etc. \$4,011,005 grant request.

- Provide description of estimated costs, proposed activities, and additional information as needed.



Via Alcatel, our network includes wireless service for first responders. The new electronics will be staged on existing State towers. Alcatel requires \$2,700,005 to modify and alter our towers to support the new equipment.

Using Verizon's estimate, we've included a line item of \$805,000 to apply for the necessary 4th party attachments in the jurisdictions where the fiber will be placed.

We also have \$506,000 allocated for the necessary plant work to provision microwave service on 2 towers. This expense will cover a buried ground system, 2 – 140' towers, a 12X16 concrete shelter with a generator and propane fueled generator.

- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**
- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

The SONJ provides an in-kind match of \$11,550,000 which represents the value of our 77 towers to be used for Alcatel's electronics.

Total Land, Structures \$15,561,005

3. Relocation expenses and payment

- Provide explanation for the relocation, description of the person involved in the relocation, method used to calculate costs, and additional information as needed.**

N/A

- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**
- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

4. Architectural and engineering fees **\$5,576,753 grant request.**

- Provide description of estimated fees, explanation of proposed services, and additional information as needed.**



Verizon will conduct field surveys required to develop a 739 mile dark fiber route pathway design. Design will include pole attachment design, underground conduit design, fiber BOM, CAD drawings of route and construction, and make-ready documentation.

Verizon will provide to NJEDge make-ready-work documentation needed for 4th party agreement application. This deliverable will include the following completed documents: N888 forms, Pole Survey forms, route description, and route map.

Verizon will conduct on site surveys for fiber routing at NJEDge fiber node locations. Designs will include building penetration design, interior pathway plan, route drawings, and material BOM.

Alcatel's Solution Architect will lead a team doing RF design and optimization including Integration and final testing.

Total \$5,577,907 – Alcatel \$1,746,753 + Verizon \$3,831,154

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- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**
 - Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

5. Other architectural and engineering fees \$1,618,825 grant request.

- Provide description of estimated fees, explanation of proposed services, and additional information as needed.**

The NJEDge Field Engineer is a certified fiber optic technician who will interact directly with Verizon's fiber optic team to lead the design effort and insure the as-built outcome meets our requirements.



Alcatel will field a team to engineer and survey the site, structures, design the modifications for our towers and test equipment to insure proper engineering and staging in their lab.

Title	% of time allocated to project	Annual Cost	3-Year Cost
NJEDge Field Engineer	100%	\$152,750	\$458,250
Project Team	100%	Project Cost	\$395,375
Design and Testing	100%	Project Cost	\$115,200
Survey and Structure Analysis	100%	Project Cost	\$650,000

- Provide description, calculation, and basis of evaluation for Cash Matching Funds.**
- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**



6. Project inspection fees

- Provide description of estimated fees, explanation of proposed services, and additional information as needed.

Municipal construction permits are included in Verizon's construction quote.

- Provide description, calculation, and basis of evaluation for Cash Matching Funds.
- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.

7. Site work

\$22,822,818 grant request.

- Provide description of estimated fees, explanation of proposed services, and additional information as needed.

Anticipated site work includes onsite pathway from last utility point of presence to termination location within the campus. Building penetration where needed and creation of interior pathway. Includes 18 sites at \$50,000 each.

Make ready work preparing 31,000 poles at \$476.60 each ahead of placement of fiber optic cable.

Alcatel will install microwave equipment and LTE equipment on our 77 towers at a cost of \$7,148,218.

- Provide description, calculation, and basis of evaluation for Cash Matching Funds.
- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.

8. Demolition and removal

- Provide description of estimated fees, explanation of proposed services, and additional information as needed.
- Provide description, calculation, and basis of evaluation for Cash Matching Funds.
- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.



9. Construction

\$81,959,534 Grant Request

- Provide description of estimated fees, explanation of proposed services, state whether the work is being completed by the applicant or an outside contractor, and additional information as needed.

Verizon will install 48 strand SM ADSS fiber drops across the entire State of New Jersey terminated at seventy-one customer locations. Verizon will procure the equipment from the manufacturer and install the associated transport equipment at each the customer hub locations.

Verizon installed fiber will be transitioned to 12 strand armored plenum when installed beyond 50' of building entrance and the fiber will terminate in new rack mounted fiber box(es) installed in new 19"x84" open equipment rack(s).

Verizon will provide a Single Point of Contact & Ownership for the project management of transport solution. Assigned SPOC will project manage the fiber and electronics, identify information required, resource requirements, processes & tasks, templates, maintain actions register and document/distribute meeting minutes to NJEdge.net during scheduled cutover review sessions. Verizon will develop & maintain global and site specific project plans and change requests, coordinate project resources, coordinate site surveys, coordinate acceptance testing and manage engineering staff, engineering technicians and sub contractors.

Verizon will coordinate equipment ordering & status with project coordinators and provide resource planning & allocations during cutovers. Documentation of process flowcharts, sub-project plans, templates, communications will be provided to NJEdge.net.

Verizon will manage project budget and approve and review customer invoices, obtain customer sign off acceptance and close out the project.

All work will be performed by Verizon and its approved subcontractors.

NJEDge and SONJ will drive the design and delivery process with the staff referenced elsewhere in this narrative.

**- Provide description, calculation, and basis of evaluation for Cash Matching Funds.****\$14,150,000 Match**

The cash match from the State of New Jersey will be available in the third year of the build out when the 9-1-1 system is migrated to the Stimulus network. This will enable the state to eliminate a vendor contract and re-direct those funds towards the required match.

- Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**\$502,320 Match**

The NJEDge Engineer is a Cisco-certified engineer who constructs the optical plans to allocate the network resources across the anchor institutions.

Title	% of time allocated to project	Annual Cost	3-Year Cost
NJEDge Internet Engineer	100%	\$167,440	\$502,320

\$3,965,957 Match

The State of New Jersey is building out its infrastructure concurrently with the Stimulus Project and is offering this fiber network known as the Garden State Network (GSN) .

GSN Backbone Components	
Cabling Fiber	\$86,437.00
Cabling Copper	\$2,100.00
Cable Mgt, etc..	<u>\$1,600.00</u>
<i>Cable Total</i>	\$90,137.00
Fiber Construction	
Southern Ring Laterals	



Conduit Construction	\$52,874.00
Farley Plaza	<u>\$10,043.00</u>
<i>Southern Total</i>	<i>\$62,917.00</i>
Northern Ring Laterals	
Conduit Construction	\$49,262.00
<i>Northern Ring Total</i>	<i>\$49,262.00</i>
Central Ring	
Conduit Construction	\$2,344,660.00
Materials (fiber, duct, etc..)	<u>\$317,885.00</u>
<i>Central Ring Total</i>	<i>\$2,662,545.00</i>
Hughes Justice Complex	
Conduit Construction	\$146,209.00
Materials (fiber, duct, etc..)	<u>\$11,610.00</u>
<i>HJC Total</i>	<i>\$157,819.00</i>
Backbone Total	\$3,022,680.00
Staff Total	\$943,227.00
	\$3,965,957.00

Total with Match \$100,577,811 – Grant \$81,959,534 + Match \$18,618,277

10. Equipment

\$19,256,734 grant request.

- Provide list of equipment with description, number of units, unit cost, state whether it is being purchased or leased, and additional information as needed.

NJEDge.Net received quotes of \$5,726,808 for network equipment from Verizon Business detailing all hardware components for 18 nodes. Optically, it includes 20 – Cisco 15454 nodes serving our backbone anchor tenants configured for a 40 Gb backbone and 1 Gb laterals. At our POPs, we will have 3 Cisco ASRs.

Separately, the Microwave link for our Walpack Lake segment will cost \$400,000 for 2 sites.



Alcatel is providing microwave and LTE components to provide wireless broadband coverage across our 77 towers.

The combined total is \$19,256,734 (\$5,726,808 + \$400,000 + \$13,129,926).

- **Provide description, calculation, and basis of evaluation for Cash Matching Funds.**
- **Provide description, calculation, and basis of evaluation for In-Kind Matching Funds.**

\$9,090,224 Total Match. \$5,390,224+\$3,700,000.

The State of New Jersey is building out its infrastructure concurrently with the Stimulus Project and is offering this network operations center and equipment match for the Garden State Network (GSN) .

GSN Electronics	
<i>Southern Ring</i>	
Maintenance/Support, Misc	\$110,000.00
Switching (65xxE)	\$179,206.00
CWDM	\$620,000.00
EWDM	<u>\$66,143.00</u>
<i>Southern Ring Total</i>	\$975,349.00
<i>Northern and Central Ring</i>	
Maintenance/Support, Misc	\$395,470.00
Switching (65xxE)	\$1,524,405.00
CWDM	\$340,000.00
EWDM	\$314,000.00
DWDM	<u>\$541,000.00</u>
<i>Northern/Central Ring Total</i>	\$3,114,875.00
Equipment Total	\$4,090,224.00
Network Operations Center	\$1,300,000.00
GSN Match	\$5,390,224.00

\$3,700,000 match

NJEDge.Net is providing an equipment match valued at \$3,700,000 which represents the network hardware we use to operate our statewide higher



education network serving 44 institutions. These components include 3 Cisco 6509 switches, 2 – 6506 switches and 7 – 15454 optical nodes.

Total with Match \$28,346,958 – Grant \$19,256,734 + match \$9,090,224

11. Miscellaneous

\$119,554 grant request.

- Provide additional information as needed.

Alcatel requires \$119,554 to setup Global NOC.

- Provide description, calculation, and basis of evaluation of Cash Matching Funds.

- Provide description, calculation, and basis of evaluation of In-Kind Matching Funds.

Addendum

- If indirect costs (i.e., indirect, overhead, general and administrative, facilities and administration, etc.) and/or fringe benefits are included in the budget, please provide a copy of your existing Negotiated Indirect Cost Recovery Agreement (NICRA), if available. If the NICRA is applied accordingly in the budget, there is no need to justify the costs. If a NICRA is not available or is not consistent with the rates/calculations in the budget, please provide an explanation of how the amounts were calculated. Please clearly list the manner in which indirect costs are calculated in the budget.

BTOP Comprehensive Community Infrastructure Pro Forma Financial Projections

Please complete the Income Statement, Balance Sheet, Cash Flows, and NPV-IRR Table worksheets. Key assumptions used to formulate these financial projections should be listed in the Key Assumptions worksheet. Please note that these are **project-specific** projections, in contrast to the historical financial information which is provided at the organizational level.

Please refer to the Comprehensive Community Infrastructure Grant Guidance for detailed instructions on the completing this attachment.

Applicants are required to provide this attachment as an Excel file, and not to convert it to a PDF when submitting a copy of their application on an appropriate electronic medium, such as a DVD, CD-ROM, or flash drive. Applicants may make adjustments to the format of the templates as necessary to provide the most effective presentation of the data for their specific project, but should not remove major headings (*e.g.* Revenues and Expenses on the Income Statement) or provide less detailed information than would be required to complete the provided templates.

Income Statement

	Forecast Period							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Revenues								
Broadband Offerings								
Wholesale Data	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retail Fiber Data	\$ -	\$ -	\$ 1,512,000	\$ 1,764,000	\$ 1,722,000	\$ 1,968,000	\$ 2,214,000	\$ 2,460,000
Retail Wireless Data	\$ -	\$ 1,200,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000
Dark Fiber	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Collocation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (list specific services)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Network Driven Revenues								
Video Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Voice Services (local/toll/long distance)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (list specific svcs) - Internet access	\$ -	\$ -	\$ 240,000	\$ 720,000	\$ 1,050,000	\$ 1,200,000	\$ 1,350,000	\$ 1,500,000
Universal Service Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Installation Revenues	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
In-Kind Contributions	\$ 11,550,000	\$ 9,637,341	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contributions	\$ -	\$ -	\$ 14,150,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other Revenues - Grant	\$ 50,358,637	\$ 49,804,288	\$ 35,705,652	\$ -	\$ -	\$ -	\$ -	\$ -
Uncollectible Revenues	\$ -	\$ -	\$ (27,366)	\$ (42,342)	\$ (35,430)	\$ (39,366)	\$ (44,286)	\$ (49,205)
Total Revenues	\$ 61,908,637	\$ 60,641,629	\$ 53,980,286	\$ 4,841,658	\$ 5,136,570	\$ 5,528,634	\$ 5,919,714	\$ 6,310,795
Expenses								
Backhaul	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Network Maintenance/Monitoring	\$ -	\$ -	\$ 726,259	\$ 726,259	\$ 726,259	\$ 798,885	\$ 798,885	\$ 798,885
Wireless Maintenance and Support	\$ -	\$ 650,000	\$ 1,300,000	\$ 1,300,000	\$ 1,300,000	\$ 1,300,000	\$ 1,300,000	\$ 1,300,000
Utilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Leasing - Carrier Hotel Space	\$ -	\$ 96,000	\$ 192,000	\$ 192,000	\$ 192,000	\$ 211,200	\$ 211,200	\$ 211,200
Sales/Marketing	\$ -	\$ -	\$ -	\$ 170,250	\$ 170,250	\$ 170,250	\$ 170,250	\$ 170,250
Customer Care	\$ -	\$ -	\$ -	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000
Billing	\$ -	\$ -	\$ -	\$ 39,000	\$ 39,000	\$ 39,000	\$ 39,000	\$ 39,000
Corporate G&A	\$ -	\$ -	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
Other Operating Exp 1 Network Staff	\$ -	\$ -	\$ -	\$ 430,750	\$ 430,750	\$ 430,750	\$ 430,750	\$ 430,750
Other Operating Exp 2 Internet Service	\$ -	\$ -	\$ 192,000	\$ 633,600	\$ 950,400	\$ 950,400	\$ 950,400	\$ 950,400
Other Operating Exp 3 Pole attachment fee	\$ -	\$ 107,725	\$ 215,450	\$ 215,450	\$ 215,450	\$ 215,450	\$ 215,450	\$ 215,450
Other Oper Exp Wireless Activation	\$ -	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -
Other Operating Expense	\$ -	\$ -	\$ 14,150,000	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ 1,153,725	\$ 17,115,709	\$ 3,837,309	\$ 4,154,109	\$ 4,245,935	\$ 4,245,935	\$ 4,245,935
EBITDA	\$ 61,908,637	\$ 59,487,904	\$ 36,864,577	\$ 1,004,349	\$ 982,461	\$ 1,282,699	\$ 1,673,779	\$ 2,064,860
Depreciation	\$ 3,534,343	\$ 8,448,455	\$ 10,720,865	\$ 11,613,506	\$ 11,613,506	\$ 9,013,003	\$ 5,799,618	\$ 5,186,736
Depreciation - donated plant and equipment	\$ 288,750	\$ 1,541,234	\$ 2,504,968	\$ 2,504,968	\$ 2,504,968	\$ 2,504,968	\$ 1,541,234	\$ 577,500
Amortization	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Earnings Before Interest and Taxes	\$ 58,085,544	\$ 49,498,215	\$ 23,638,744	\$ (13,114,125)	\$ (13,136,013)	\$ (10,235,272)	\$ (5,667,073)	\$ (3,699,376)
Interest Expense	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Income Before Taxes	\$ 58,085,544	\$ 49,498,215	\$ 23,638,744	\$ (13,114,125)	\$ (13,136,013)	\$ (10,235,272)	\$ (5,667,073)	\$ (3,699,376)
Property Tax	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Income Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Income	\$ 58,085,544	\$ 49,498,215	\$ 23,638,744	\$ (13,114,125)	\$ (13,136,013)	\$ (10,235,272)	\$ (5,667,073)	\$ (3,699,376)

Balance Sheet

	Forecast Period							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Assets								
<i>Current Assets</i>				Cash from Y3				
Cash	\$ -	\$ 46,275	\$ 1,205,200	\$ 2,209,549	\$ 3,192,010	\$ 4,474,709	\$ 6,148,488	\$ 8,213,348
Marketable Securities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Accounts Receivable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Notes Receivable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inventory	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Prepayments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Current Assets	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Current Assets	\$ -	\$ 46,275	\$ 1,205,200	\$ 2,209,549	\$ 3,192,010	\$ 4,474,709	\$ 6,148,488	\$ 8,213,348
<i>Non-Current Assets</i>								
Long-Term Investments	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortizable Asset (Net of Amortization)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plant in Service	\$ 50,358,637	\$ 100,162,925	\$ 135,868,577	\$ 135,868,577	\$ 135,868,577	\$ 135,868,577	\$ 135,868,577	\$ 135,868,577
Plant in Service - Donated	\$ 11,550,000	\$ 21,187,341	\$ 21,187,341	\$ 21,187,341	\$ 21,187,341	\$ 21,187,341	\$ 21,187,341	\$ 21,187,341
Less: Accumulated Depreciation	\$ 3,823,093	\$ 13,812,782	\$ 27,038,615	\$ 41,157,089	\$ 55,275,563	\$ 66,793,534	\$ 74,134,386	\$ 79,898,622
Net Plant	\$ 58,085,544	\$ 107,537,484	\$ 130,017,303	\$ 115,898,829	\$ 101,780,355	\$ 90,262,384	\$ 82,921,532	\$ 77,157,296
Other	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Non-Current Assets	\$ 58,085,544	\$ 107,537,484	\$ 130,017,303	\$ 115,898,829	\$ 101,780,355	\$ 90,262,384	\$ 82,921,532	\$ 77,157,296
Total Assets	\$ 58,085,544	\$ 107,583,759	\$ 131,222,503	\$ 118,108,378	\$ 104,972,365	\$ 94,737,093	\$ 89,070,020	\$ 85,370,644
Liabilities and Owners' Equity								
Liabilities								
<i>Current Liabilities</i>								
Accounts Payable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Notes Payable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Current Liabilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Current Liabilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<i>Long-Term Liabilities</i>								
Long Term Notes Payable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Long Term Liabilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Long-Term Liabilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Liabilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Owner's Equity								
Capital Stock	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Additional Paid-In Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Retained Earnings	\$ 58,085,544	\$ 107,583,759	\$ 131,222,503	\$ 118,108,378	\$ 104,972,365	\$ 94,737,093	\$ 89,070,020	\$ 85,370,644
Total Equity	\$ 58,085,544	\$ 107,583,759	\$ 131,222,503	\$ 118,108,378	\$ 104,972,365	\$ 94,737,093	\$ 89,070,020	\$ 85,370,644

Total Liabilities and Owner's Equity	\$ 58,085,544	\$ 107,583,759	\$ 131,222,503	\$ 118,108,378	\$ 104,972,365	\$ 94,737,093	\$ 89,070,020	\$ 85,370,644
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Statement of Cash Flows

	Forecast Period							
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Beginning Cash	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CASH FLOWS FROM OPERATING ACTIVITIES:								
Net Income	58,085,544	49,498,215	23,638,744	(13,114,125)	(13,136,013)	(10,235,272)	(5,667,073)	(3,699,376)
<i>Adjustments to Reconcile Net Income to Net Cash Provided by Operating Activities</i>								
Add: Depreciation Fiber 20Yr Equip 5 Yr	3,534,343	8,448,455	10,720,865	11,613,506	11,613,506	9,013,003	5,799,618	5,186,736
Add: Depreciation donated plant and equipment	288,750	1,541,234	2,504,968	2,504,968	2,504,968	2,504,968	1,541,234	577,500
Add: Amortization	-	-	-	-	-	-	-	-
Less: In-Kind Contribution	(11,550,000)	(9,637,341)						
<i>Changes in Current Assets and Liabilities:</i>								
Marketable Securities	-	-	-	-	-	-	-	-
Accounts Receivable	-	-	-	-	-	-	-	-
Inventory	-	-	-	-	-	-	-	-
Prepayments	-	-	-	-	-	-	-	-
Other Current Assets	-	-	-	-	-	-	-	-
Accounts Payable	-	-	-	-	-	-	-	-
Other Current Liabilities	-	-	-	-	-	-	-	-
Net Cash Provided (Used) by Operations	\$ 50,358,637	\$ 49,850,563	\$ 36,864,577	\$ 1,004,349	\$ 982,461	\$ 1,282,699	\$ 1,673,779	\$ 2,064,860
CASH FLOWS FROM INVESTING ACTIVITIES:								
Capital Expenditures	(50,358,637)	(49,804,288)	(35,705,652)	-	-	-	-	-
Amortizable Asset (Net of Amortization)	-	-	-	-	-	-	-	-
Long-Term Investments	-	-	-	-	-	-	-	-
Net Cash Used by Investing Activities	\$ (50,358,637)	\$ (49,804,288)	\$ (35,705,652)	\$ -	\$ -	\$ -	\$ -	\$ -
CASH FLOWS FROM FINANCING ACTIVITIES:								
Notes Receivable	-	-	-	-	-	-	-	-
Notes Payable - NJEDge.Net	-	-	-	-	-	-	-	-
Principal Payments	-	-	-	-	-	-	-	-
New Borrowing	-	-	-	-	-	-	-	-
Additional Paid-in Capital	-	-	-	-	-	-	-	-
Additions to Patronage Capital Credits	-	-	-	-	-	-	-	-
Payment of Dividends	-	-	-	-	-	-	-	-
Net Cash Used by Investing Activities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Increase (Decrease) in Cash	\$ -	\$ 46,275	\$ 1,158,925	\$ 1,004,349	\$ 982,461	\$ 1,282,699	\$ 1,673,779	\$ 2,064,860
Ending Cash	\$ -	\$ 46,275	\$ 1,205,200	\$ 2,209,549	\$ 3,192,010	\$ 4,474,709	\$ 6,148,488	\$ 8,213,348

NPV/IRR Table

	Net Present Value	Internal Rate of Return
Without BTOP Funding	-\$93,000,000.00	See Note 1
With BTOP Funding	\$18,600,000.00	See Note 1

Notes

IRR is a fairly ambiguous calculation. It is unclear how IRR is to be calculated based on the following guidance.

“Estimation of IRR – Applicants should compute the IRR of the project and apply a terminal value of "8" to the free cash flows in Year 8.”

The State of New Jersey respectfully requests a brief discussion to clarify the needed calculation for this dashboard metric to ensure that it is correctly represented when provided.

Revenue Assumptions	
Factor	Specific Metric Used in Analysis
Customers Passed	
Anchor Institutions - Segment A	2500 schools, 400 Libraries, 100+ medical and healthcare, 600 county and municipality locations.
Anchor Institutions - Segment B	Public Safety Statewide
Businesses	
Households	
Last Mile Providers	All registered telecom providers
Other	
Take Rate (should likely vary across 8-Year Forecast)	
Anchor Institutions - Segment A	72
Anchor Institutions - Segment B	10000
Businesses	
Households	
Last Mile Providers	
Direct Customer Connections	
Customer Segment A	
Customer Segment B	
Other	
Average Revenue per User (may vary across 8-year forecast)	
Anchor Institutions - Segment A	Optical ports provided on Sliding Scale
Anchor Institutions - Segment B	Internet Access provided at \$10 Mb per month in bundles
Businesses	
Households	
Last Mile Providers	Uniform pricing inline with anchor instittions.
Other	

Expense Assumptions	
Factor	Specific Metric Used in Analysis
Network Expenses	
Backhaul	
Maintenance	Historical data based on existing NJEDge contracts

Utilities	Historical data based on existing NJEDge contracts
Leasing	
Depreciation	Historical data based on existing NJEDge contracts
Other	
Sales & Marketing	
Advertising	
Commissions	
Salaries	Historical data based on existing NJEDge contracts
Other	
Customer Care & Billing	
Systems	Historical data based on existing NJEDge contracts
Personnel	Historical data based on existing NJEDge contracts
Other	
General & Administrative	
Professional Services	Historical data based on existing NJEDge contracts
Insurance	Historical data based on existing NJEDge contracts
Non-Network Utilities	
Travel	Historical data based on existing NJEDge contracts
Supplies	Historical data based on existing NJEDge contracts
Miscellaneous	
Interest Expenses	
Debt Instrument A	
Debt Instrument B	
Taxes	
Federal Tax Rate	
Other Tax Rates	

NJEDge.Net operates NJ's Statewide Higher Ed network.

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Comprehensive Community Infrastructure Key Metrics Dashboard

Please refer to the CCI Grant Guidelines for instructions on completing this form.

Applicant Profile	
Applicant Name	State of New Jersey, Office of information Technology
Title	Mr. Adel Ebeid, CIO/CTO
Easygrants ID	7254
Headquarters	300 Riverview Plaza, Trenton, New Jersey 08625
Size (2009 Data) of Applicant Entity	<ul style="list-style-type: none"> Current Year Revenues: Partner NJEDge – FY09 \$5,740,157¹ Employees: 12
Technology Type	Buried Fiber, Aerial Fiber, Microwave, 700MHz LTE Wireless
Key Partners	NJEDge.net and Verizon Business

Project Economics			
Budget Information		Project Financials	
Project Budget	\$175,408,258	Project Revenues (Yr 8)	\$6,310,795
Federal Contribution (%)	100%	Net Income and Margin (Yr 8)	-\$3,699,376 (-58.6%)
Cash Match Amount (%)	8.07%	EBITDA and Margin (Yr 8)	\$2,064,860 (32.7%)
In Kind Match Amount (%)	14.47%	Rate of Return (w/o BTOP Funds)	See Note ³
Middle Mile/Last Mile Budget Allocation		Rate of Return (w/ BTOP Funds)	See Note ³
Middle Mile Percentage (%)	100%	Cost Efficiency	
Last Mile Percentage (%)	0	Cost per Mile (MM)	0 ²
Rural Last Mile Percentage	0	Cost per Household (LM)	0

Market Territory	
Geographic Area(s)	
Middle Mile Network Composition	
Total Proposed Network Miles (MM only)	<ul style="list-style-type: none"> Total Miles: 739 Backbone Miles: 534 Lateral Miles: 205 Fiber 261 Microwave
New Construction Network Miles (MM only)	<ul style="list-style-type: none"> Total Miles: 739 Backbone Miles: 534 Lateral Miles: 205 Fiber 261 Microwave
Existing Applicant Network Miles Utilized (MM only)	<ul style="list-style-type: none"> Total Miles: 240 Backbone Miles: 80 Lateral Miles: 160
Leased Network Miles Utilized (MM only)	<ul style="list-style-type: none"> Total Miles: 240 Backbone Miles: 80 Lateral Miles: 160
Underserved/Unserved	<ul style="list-style-type: none"> Percentage of Backbone Miles in Underserved/Unserved Areas: 0 Percentage of Lateral Miles in Underserved/Unserved Areas: 48
Existing Customer Base	

Comprehensive Community Infrastructure Key Metrics Dashboard

Existing Residential/Individual Customers within PFSA	0
Existing Business Customers within PFSA	0
Existing Community Anchor Institution Customers within PFSA	<ul style="list-style-type: none"> • Total CAI's: 72 • Community Colleges: 5 • Public Safety Entities: 18
Existing Third Party Service Provider Customers within PFSA	0
Potential Customer Base	
Market Potential Households (within PFSA)	<ul style="list-style-type: none"> • Total HH's: 3,064,645 • Located in Underserved/Unserved Areas: 30,748 (1% of total HH's in NJ)
Market Potential Businesses (within PFSA)	<ul style="list-style-type: none"> • Total Businesses: 790,807 • Located in Underserved/Unserved Areas: 5,826 (.74% of total Businesses In NJ)
Market Potential Community Anchor Institutions (within PFSA)	<ul style="list-style-type: none"> • Total CAI's: 4886 • Located in Underserved/Unserved Areas: 54 • Community Colleges: 19 • Public Safety Entities: 2072 (Police, Fire & EMS)
Market Potential Third Party Service Providers (within PFSA)	<ul style="list-style-type: none"> • Total Third Party Service Providers in PFSA: ~160 • Expressing Commitment or Letter of Interest: 1
Funded Network Coverage	
Households Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> • Total Households Connected: N/A • Located in Underserved/Unserved Areas:
Businesses Connected to Network (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> • Total Businesses Connected: N/A • Located in Underserved/Unserved Areas:
Community Anchor Institutions Directly Connected (via BTOP Funds by end of Year 3)	<ul style="list-style-type: none"> • Total Directly Connected CAI's: 149 • Located in Underserved/Unserved Areas: 6%/8% • Community Colleges: 19 • Public Safety Entities: 96
Projected Subscribers by Year Five	<p><u>Directly Served by Applicant</u></p> <ul style="list-style-type: none"> • Community Anchor Institutions: 149 • Households: N/A • Businesses: N/A • Third Party Service Providers: 1 Letter of Intent <p><u>Served by Proposed Network Via Third Party Service Provider</u></p> <ul style="list-style-type: none"> • Community Anchor Institutions: 0 • Households: N/A • Businesses: N/A

Comprehensive Community Infrastructure Key Metrics Dashboard

Other	
Proposed MM Network Capacity	<ul style="list-style-type: none"> • Backbone: 40Gbps • Laterals: 1 Gbps Fiber , 155Mbps Microwave
Proposed LM Network Speed	<ul style="list-style-type: none"> • Highest offered speed tier: N/A • Estimated Average speed for highest speed tier: N/A
Total Points of Interconnection	<ul style="list-style-type: none"> • Total Pol's: 149 • Pol's in Underserved/Unserved Areas: 6 • Environmentally-controlled, non-passive Pols: 0
Jobs Created	<ul style="list-style-type: none"> • Direct Job-years: 547 • Indirect Job-years: 234 • Induced Job-years: 440
Required Time for Project Completion (Number of Required Quarters to Fully Build-out and Test Network and Make Ready for Commercial Service)	12 Quarters

Footnotes

1. As a government entity the State of New Jersey and agencies such as OIT do not track or utilize many of the financial elements and revenue measurements that are itemized in the same fashion as a for profit business. In lieu of such information we have provided data on NJEDGE.Net.

2. This figure takes into account New Jersey's prevailing wage requirements.

3. IRR is a fairly ambiguous calculation. It is unclear how IRR is to be calculated based on the following guidance.

"Estimation of IRR – Applicants should compute the IRR of the project and apply a terminal value of "8" to the free cash flows in Year 8."

The State of New Jersey respectfully requests a brief discussion to clarify the needed calculation for this dashboard metric to ensure that it is correctly represented when provided.

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

Approved by OMB

0348-0046

(See reverse for public burden disclosure.)

1. Type of Federal Action: <input checked="checked" type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. Report Type: <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change For Material Change Only: year _____ quarter _____ date of last report _____
4. Name and Address of Reporting Entity: <input checked="checked" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: State of New Jersey Office of Information Technology 300 Riverview Plaza Trenton, NJ 08625 Congressional District, if known: 4	5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: Congressional District, if known:	
6. Federal Department/Agency: Department of Commerce, NTIA	7. Federal Program Name/Description: Broadband Technology Opportunities Program CFDA Number, if applicable: _____	
8. Federal Action Number, if known:	9. Award Amount, if known: \$	
10. a. Name and Address of Lobbying Registrant (if individual, last name, first name, MI): N/A	b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI): N/A	
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature: <u>Adel W. Ebeid</u> Print Name: <u>Adel W. Ebeid</u> Title: <u>CTO/CIO</u> Telephone No.: <u>609-984-4082</u> Date: <u>5/27/2010</u>	
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

CERTIFICATION REGARDING LOBBYING LOWER TIER COVERED TRANSACTIONS

Applicants should review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying."

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

NAME OF APPLICANT

State of New Jersey

AWARD NUMBER AND/OR PROJECT NAME

New Jersey Broadband Network (7254)

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Adel W. Ebeid, CTO/CIO

SIGNATURE

Adel W. Ebeid

DATE

May 27, 2010

CERTIFICATION REGARDING LOBBYING

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, "New Restrictions on Lobbying." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over \$100,000 or a loan or loan guarantee over \$150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure occurring on or before October 23, 1996, and of not less than \$11,000 and not more than \$110,000 for each such failure occurring after October 23, 1996.

NAME OF APPLICANT

State of New Jersey

AWARD NUMBER AND/OR PROJECT NAME

New Jersey Broadband Network (7254)

PRINTED NAME AND TITLE OF AUTHORIZED REPRESENTATIVE

Adel W. Ebeid, CTO/CIO

SIGNATURE

Adel W. Ebeid

DATE

May 27, 2010

U.S. Department of Commerce
Broadband Technology Opportunities Program
Authentication and Certifications

1. I certify that I am the duly Authorized Organization Representative (AOR) of the applicant organization, and that I have been authorized to submit the attached application on its behalf.
2. I certify that I have examined this application, that all of the information and responses in this application, including certifications, and forms submitted, all of which are part of this grant application, are material representations of fact and true and correct to the best of my knowledge, that the entity(ies) that is requesting grant funding pursuant to this application and any subgrantees and subcontractors will comply with the terms, conditions, purposes, and federal requirements of the grant program; that no kickbacks were paid to anyone; and that a false, fictitious, or fraudulent statements or claims on this application are grounds for denial or termination of a grant award, and/or possible punishment by a fine or imprisonment as provided in 18 U.S.C. §1001 and civil violations of the False Claims Act.
3. I certify that the entity(ies) I represent have and will comply with all applicable federal, state, and local laws, rules, regulations, ordinances, codes, orders and programmatic rules and requirements relating to the project. I acknowledge that failure to do so may result in rejection or deobligation of the grant or loan award. I acknowledge that failure to comply with all federal and program rules could result in civil or criminal prosecution by the appropriate law enforcement authorities.
4. I certify that the entity(ies) I represent has and will comply with all applicable administrative and federal statutory, regulatory, and policy requirements set forth in the Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements ("DOC Pre-Award Notification"), published in the Federal Register on February 11, 2008 (73 FR 7696), as amended; DOC Financial Assistance Standard Terms and Conditions (Mar. 8, 2009); the Department of Commerce American Recovery and Reinvestment Act Award Terms (Apr. 9, 2009); and any Special Award Terms and Conditions that are included by the Grants Officer in the award.
5. I certify that any funds awarded to the entity(ies) I represent as a result of this application will not result in any unjust enrichment of such entity(ies) or duplicate any funds such entity(ies) receive under federal universal service support programs administered by the Universal Service Administrative Corporation (USAC).
6. I certify that the entity(ies) I represent has secured access to pay the 20% of total project cost or has petitioned the Assistant Secretary of NTIA for a waiver of the matching requirement.

March 26, 2010
Date



Authorized Organization Representative Signature

Adel Ebeid
Print Name

CIO/CTO
Title