

From: [Steven E. Rathgeb](#)
To: [Tom J. Stanuikynas](#)
Subject: Steven E. Rathgeb shared "Executive Summary work in progress" with you.
Date: Wednesday, January 26, 2022 4:02:54 PM
Attachments: [AttachedImage](#)
[AttachedImage](#)
[AttachedImage](#)
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Steven E. Rathgeb shared a file with you

Here's the document that Steven E. Rathgeb shared with you.



Executive Summary work in progress



This link only works for the direct recipients of this message.

Open

From: [Steven E. Rathgeb](#)
To: [Liz Verna](#)
Subject: RE: Worker-Owned Cooperatives, Cooperative Enterprises & Corporations Links & Resources
Date: Tuesday, January 25, 2022 1:29:00 PM

Super! Thank You!

From: Liz Verna
Sent: Tuesday, January 25, 2022 10:04 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>; Tom J. Stanuikynas <tstanuikynas@bcbridges.org>
Subject: RE: Worker-Owned Cooperatives, Cooperative Enterprises & Corporations Links & Resources

Steve, I'm sharing our agenda/report for an upcoming meeting as an FYI to help round out what our dept is currently handling. There are no minutes of our meetings, rather we use this to help keep all informed. Just thought it might be helpful.

Liz Verna
Director of Economic Development & Regional Planning
Burlington County Bridge Commission
609-265-3139

From: Steven E. Rathgeb <srathgeb@bcbridges.org>
Sent: Wednesday, January 12, 2022 3:00 PM
To: Liz Verna <lverna@bcbridges.org>; Tom J. Stanuikynas <tstanuikynas@bcbridges.org>
Subject: Worker-Owned Cooperatives, Cooperative Enterprises & Corporations Links & Resources

Hello again,
Very glad we were able to acquaint and I really look forward to having you both to work WITH going forward.
This is a quick gathering of some links communicating the concept of Worker Cooperatives, their philosophy, start, and economic potential.
Some links also point to Mondragon Corporation; probably the most prominent example of the potential of this company formation. It currently employees over 80,000 people and displays and ideal relationship between companies, and worker's, a mutually beneficial partnership, with a vision to help the future.
I am sure some of this will feel questionable, however I can assure you this has been observed and researched plenty in the economic academic literature, and case studies on Mondragon, and others around the world.
Obviously, you are quite tied down and stretched right now with Covid Loans and running this department with half the staff.
This is something that I truly believe will benefit this county, and its people for far longer than any of us last. When there is **a chance to breathe**, I would love to discuss this more and see your ideas and visions on possible incentivizing the creations of business' like this.

[How to stop poverty: start a worker-owned cooperative | Jim Brown | TEDxTuscaloosa](#) (17min) → TED Talk

I recommend this or the video underneath as an introduction

[Mondragon's Cooperatives And The Legacy of Catholic Priest José María Arizmendiarieta](#) (5min) →

News Story

[Richard D. Wolff Lecture on Worker Coops: Theory and Practice of 21st Century Socialism](#) (1hr 38min) → Academic Lecture

[This New Cooperative Business Model Could Change Everything](#) (25min) → Long form News Story

[Richard Wolff on the Mondragon cooperatives](#) (44min) → There is an 8 minute video he starts this with HIGHLY recommend just that if you don't have time for the entire watch

Look forward to next week!

Steven Rathgeb

Sustainability Coordinator

Burlington County Bridge Commission & Improvement Authority

856-829-1900 Ext. 1263

1300 Route 73 North, Palmyra, New Jersey, 08065

From: [Steven E. Rathgeb](#)
To: [John D. Moore](#)
Subject: FW: RFEI For Use of Facility at Stokes State Forest, Sussex County, NJ
Date: Thursday, January 20, 2022 1:59:00 PM

How fast do we want to expand? Easy opportunity to partner with another education institution.
"This Request for Expression of Interest (RFEI) is to solicit recommendations for economically self-sustaining programming or services with an educational component that embraces the unique natural setting and rich history of the Complex while maximizing visitor experience through educational programming."

Or... whatever we think we can't do here, we should put together and express to them before March 7th.

From: Office of Environmental Justice <NJDEP-OEJ@public.govdelivery.com>
Sent: Thursday, January 20, 2022 1:24 PM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: RFEI For Use of Facility at Stokes State Forest, Sussex County, NJ

OEJ Banner



REQUEST FOR
EXPRESSION OF INTEREST
FOR USE OF THE FORMER NEW JERSEY
SCHOOL OF CONSERVATION
BUILDING COMPLEX
AT
STOKES STATE FOREST
SUSSEX COUNTY, NEW JERSEY

**Issued by:
The New Jersey
Department of Environmental Protection
State Park Service**

For details see:
[RFEI NJ School of Conservation.pdf](#)

SUBMISSION DEADLINE

All responses to this RFEI are due no later than **4:00 p.m. on March 7, 2022.**

PURPOSE AND INTENT

The New Jersey Department of Environmental Protection State Park Service (NJDEP) is seeking ideas, concepts and information regarding the use, maintenance and improvement of a building complex known as the New Jersey School of Conservation (NJSOC) located in Stokes State Forest, Sussex County, New Jersey. This Request for Expression of Interest (RFEI) is to solicit recommendations for economically self-sustaining programming or services with an educational component that embraces the unique natural setting and rich history of the Complex while maximizing visitor experience through educational programming. The proposal must include maintenance of the buildings and grounds, as well as any proposed improvements or repairs. Respondents are invited to submit proposals with a focus on the public benefit of programming or services proposed. Read more [here](#).



[Office of Environmental Justice](#)

Questions? [Contact Us](#)



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From: [Steven E. Rathgeb](#)
To: [Michael Ott](#)
Subject: FW: Worker-Owned Cooperatives, Cooperative Enterprises & Corporations Links & Resources
Date: Thursday, January 20, 2022 12:08:00 PM

From: Steven E. Rathgeb
Sent: Wednesday, January 12, 2022 3:00 PM
To: Liz Verna <lvera@bcbridges.org>; Tom J. Stanuikynas <tstanuikynas@bcbridges.org>
Subject: Worker-Owned Cooperatives, Cooperative Enterprises & Corporations Links & Resources

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Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065

From: [Steven E. Rathgeb](#)
To: [Michael Ott](#)
Subject: FW: Earth Ships & Self-Sufficiency Technology/Resources
Date: Thursday, January 20, 2022 11:27:00 AM

From: Steven E. Rathgeb
Sent: Thursday, December 9, 2021 2:32 PM
To: N.Rashatwar@gmail.com
Cc: John D. Moore <jmoore@bcbridges.org>; sriramelango@icloud.com
Subject: Earth Ships & Self-Sufficiency Technology/Resources

Kirsten Dirksen: "Videos about simple living, self-sufficiency, small (and tiny) homes, backyard gardens (and livestock), alternative transport, DIY, craftsmanship, and philosophies of life"
This channel has been the vector for curiosity in sustainability, self-sufficiency, and the increased community that these solutions can foster.

EarthShips:

[Earthships: self-sustaining homes for a post-apocalyptic land?](#) (10/6/2014) → One of the first videos on the topic. You will see these homes get tangibly more luxurious over the past decade of development

[Earthship Home- Young Man's Inspiring Building & living Experience](#) (5/6/2017) → Rhode Island Earthship, proving use case in all biomes, and weather environments.

[Tiny Earthship Style Cabin Built with Recycled Tires & Green Roof](#) (4/14/2019) → Shows the adaptability and configurability of EarthShips

[New Earthships capture more energy, water & food at lower cost](#) (7/12/2020) → All of these "low-tech solutions" can be automated if desired. (Stated house was built for \$219k)

[Earthships - America's Off-Grid Desert Community](#) (7/2/2021) → Michael Reynolds is arguably the leading mind in Earth Ship development, and is the first person I will be contacting to integrate these technologies into Cove education (come time to progress)

FLAGSHIP Video

Self-Sufficient Homes/Communities/Technologies:

[LA ecovillage: self-reliance in car-free urban homestead](#) (6/16/2010) → Their development of hosting meetings, workshops, & skills/professional development (approx. 5 minutes in) is an aspect of the Cove we wish to expand.

"In urban Los Angeles, about 3 miles west of downtown, 500 people live on 11 acres where priority is given to bicycles, fruit trees, greywater, veggie gardens, clotheslines, compost, shared spaces (tool shop, art space, bike shop), micro-businesses, on-site natural food cooperatives and chickens."

[Lloyd Kahn on his NorCal self-reliant half-acre homestead](#) (5/18/2015) → Lloyd Kahn was the visionary behind geodesic domes (his 'Domebook' writings & house were featured in Life Mag)

[Internet of Farming: Arduino-based, backyard aquaponics](#) (6/30/2013) → looks quite complicated, keep in mind this is 8 years ago

"...A few years ago, Rik began to tinker with aquaponics (fish-farming + hydroponics), sensors, and the open-source microcontroller Arduino to create an automated garden that could compete with commercial farms."

Additional Off-grid Homes:

[NOT your Typical Home. It's built in a Mountain.](#) (11/21/2021) → displays different configurations and luxury options.

[50 years off-grid: architect-maker paradise amid NorCal redwoods](#) → this video maybe too slow, I suggest 1.25x or 1.5x speed to get through it.

Organizations:

[Fab Foundation](#) → formed in 2009 to facilitate and support the growth of the international fab lab network as well as the development of regional capacity-building organizations

[Fabship](#) → an off-grid FabLab, powered by renewable energy and Earthship-inspired design and systems. Fabships enable communities to build resilience and grow autonomy. By combining low-tech and digital fabrication technologies, Fabships foster innovation and low-cost alternatives to the growth-obsessed development model.

[Michael Reynolds Media Resume](#) → list of Mission Statement, Global Demonstrations, Lectures, Documentaries, Recognitions, Exhibitions and Credentials Michael Reynolds has contributed to the EarthShip ideology.

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065

From: [Steven E. Rathgeb](#)
To: [John D. Moore](#); [Steven E. Rathgeb](#)
Subject: Steven E. Rathgeb shared "Developing a Sustainably Plan for Burlington County" with you.
Date: Wednesday, January 19, 2022 11:21:09 AM
Attachments: [AttachedImage](#)
[AttachedImage](#)
[AttachedImage](#)
[AttachedImage](#)



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Developing a Sustainably Plan for Burlington County



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From: [Steven E. Rathgeb](#)

To: [Coley, Meredith](#)

Subject: Accepted: Burlington County Bridge Commission - Initial Call

From: [Steven E. Rathgeb](#)
To: [Coley, Meredith](#)
Subject: RE: [EXTERNAL] BCBC Data Center Input Power Usage
Date: Tuesday, January 18, 2022 9:23:00 AM

Yes! We should be good for the 27th, you can send the invite at your discretion!

Looking forward to it,

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065

From: Coley, Meredith <MColey@trccompanies.com>
Sent: Tuesday, January 18, 2022 8:53 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: RE: [EXTERNAL] BCBC Data Center Input Power Usage

Thank you Steven.

Can you confirm your availability to have the initial call the 27th at 2pm? If so, I'll get the Teams invite sent out.

Thanks

From: Steven E. Rathgeb <srathgeb@bcbridges.org>
Sent: Tuesday, January 18, 2022 8:46 AM
To: Coley, Meredith <MColey@trccompanies.com>
Subject: [EXTERNAL] BCBC Data Center Input Power Usage

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

Good Morning Meredith!

My engineer Mike Ott, said the system only goes back about a year. The 13 months of data enclosed was for 12/1/2020 to 12/31/2021. My engineer is able to pull the raw data recording the UPS input in 5 second intervals, in an Excel sheet.

The numbers in this attachment are the averaged input values, across months in kWh.

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065

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From: [Steven E. Rathgeb](#)
To: [Coley, Meredith](#)
Subject: BCBC Data Center Input Power Usage
Date: Tuesday, January 18, 2022 8:45:00 AM
Attachments: [BCBC Data Center Input Power Usage 12-2020 to 12-2021.pdf](#)

Good Morning Meredith!

My engineer Mike Ott, said the system only goes back about a year. The 13 months of data enclosed was for 12/1/2020 to 12/31/2021. My engineer is able to pull the raw data recording the UPS input in 5 second intervals, in an Excel sheet.

The numbers in this attachment are the averaged input values, across months in kWh.

Steven Rathgeb

Sustainability Coordinator
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BCBC Data Center UPS Input Power
12-2020 to 12-2021

Location	Month	Year	Average UPS input kW	Days in month	Hours in month	Monthly UPS kWh
Palmyra	Dec	2020	17.95199171	31	744	13356
Palmyra	Jan	2021	18.10451692	31	744	13470
Palmyra	Feb	2021	18.216065	28	672	12241
Palmyra	Mar	2021	17.01125239	31	744	12656
Palmyra	Apr	2021	16.33709323	30	720	11763
Palmyra	May	2021	16.02110401	31	744	11920
Palmyra	Jun	2021	15.88746525	30	720	11439
Palmyra	Jul	2021	15.88023972	31	744	11815
Palmyra	Aug	2021	15.7704716	31	744	11733
Palmyra	Sep	2021	15.89476791	30	720	11444
Palmyra	Oct	2021	15.94961353	31	744	11867
Palmyra	Nov	2021	16.91857589	30	720	12181
Palmyra	Dec	2021	17.00780865	31	744	12654

Location	Month	Year	Average UPS input kW	Days in month	Hours in month	Monthly UPS kWh
Burlington	Dec	2020	9.2504769	31	744	6882
Burlington	Jan	2021	9.381251407	31	744	6980
Burlington	Feb	2021	9.486502915	28	672	6375
Burlington	Mar	2021	9.069921613	31	744	6748
Burlington	Apr	2021	8.712712551	30	720	6273
Burlington	May	2021	8.456400493	31	744	6292
Burlington	Jun	2021	8.132367906	30	720	5855
Burlington	Jul	2021	8.061912752	31	744	5998
Burlington	Aug	2021	8.074415221	31	744	6007
Burlington	Sep	2021	8.151457658	30	720	5869
Burlington	Oct	2021	8.402586786	31	744	6252
Burlington	Nov	2021	9.114475508	30	720	6562
Burlington	Dec	2021	9.396787553	31	744	6991

Location	Month	Year	Average UPS input kW	Days in month	Hours in month	Monthly UPS kWh
Police/Ops	Dec	2020	4.353702128	31	744	3239
Police/Ops	Jan	2021	4.295	31	744	3195
Police/Ops	Feb	2021	4.240761478	28	672	2850
Police/Ops	Mar	2021	4.209294727	31	744	3132
Police/Ops	Apr	2021	4.166752007	30	720	3000
Police/Ops	May	2021	4.10463964	31	744	3054
Police/Ops	Jun	2021	4.176728244	30	720	3007
Police/Ops	Jul	2021	4.219389708	31	744	3139
Police/Ops	Aug	2021	4.226701865	31	744	3145
Police/Ops	Sep	2021	4.185384884	30	720	3013
Police/Ops	Oct	2021	4.222282303	31	744	3141
Police/Ops	Nov	2021	4.38195139	30	720	3155
Police/Ops	Dec	2021	4.438816234	31	744	3302

From: [Steven E. Rathgeb](#)
To: [Tom J. Stanuliyas](#)
Subject: RE: Bipartisan Infrastructure Bill
Date: Tuesday, January 18, 2022 8:35:00 AM
Attachments: [image001.png](#)

Gotta Tom, Thanks for clearing that up.
When is the DVRPC informational meeting? Is it possible for me to drop in and listen?

From: Tom J. Stanuliyas
Sent: Friday, January 14, 2022 4:22 PM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Cc: Liz Verna <lverna@bcbridges.org>
Subject: RE: Bipartisan Infrastructure Bill

Steven,

I think there was a misunderstanding when we talked last week. A meeting with DVRPC, Flo and The County has not been scheduled as of yet.

There was talk of a meeting but no definitive time or date has been set.

I'll keep you posted.

Tom

From: Steven E. Rathgeb
Sent: Friday, January 14, 2022 4:17 PM
To: Tom J. Stanuliyas <tstanuliyas@bcbridges.org>
Subject: RE: Bipartisan Infrastructure Bill

Awesome!

Is the meeting next week, before or after the Flo DVRPC meeting? I'd enjoy any relevant stats and specs you get from the meeting, it'll be useful in developing the next few years of Vision for the Plan.

From: Tom J. Stanuliyas
Sent: Friday, January 14, 2022 10:30 AM
To: Liz Verna <lverna@bcbridges.org>
Cc: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: Bipartisan Infrastructure Bill

Attending a DVRPC informational meeting that is discussing the new Bipartisan Infrastructure Bill that was passed by Congress recently.
Seems like there is going to be a lot of funding opportunities that both the BCBC and the County should keep track of. I am sure the other Counties will jump on these programs.

Tom



High Points of BIL Transportation Provisions

- Funds programs for five years (FY 22-26)
- \$350.8 B for highway programs
- \$108.2B for transit programs
- More than a dozen new funding programs, including—
 - **Formula:** resilience, carbon reduction, safety, bridges and electric vehicle (EV) charging infrastructure, transit state of good repair
 - **Discretionary:** bridges, transit rail cars and stations, EV charging infrastructure, rural projects, resilience, wildlife crossings, and reconnecting communities
- Focus on safety, bridges, climate change, resilience, and equity
- More opportunities for local governments and other non-traditional entities to access new funding
- \$118 B transfer (GF->HTF) to keep the HTF Highway Account solvent for years

14

From: [Steven E. Rathgeb](#)
To: [Tom J. Stanulynas](#)
Subject: [RE: Bipartisan Infrastructure Bill](#)
Date: Friday, January 14, 2022 4:16:00 PM
Attachments: [image001.png](#)

Awesome!

Is the meeting next week, before or after the Flo DVRPC meeting? I'd enjoy any relevant stats and specs you get from the meeting, it'll be useful in developing the next few year of Vision for the Plan.

From: Tom J. Stanulynas
Sent: Friday, January 14, 2022 10:30 AM
To: Liz Verna <lverna@bccbridges.org>
Cc: Steven E. Rathgeb <srathgeb@bccbridges.org>
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14

From: [Steven E. Rathgeb](#)
To: [Coley, Meredith](#)
Subject: RE: [EXTERNAL] LGEA Full Pre Audit Questionnaire
Date: Friday, January 14, 2022 4:09:00 PM
Attachments: [image001.png](#)

Hi Meredith,

I forwarded this to my engineer, I'm sure he'd be able to split it up, and have it ready by the time of the meeting.

I believe the 27th @ 2pm will work the best to ensure everyone is able to attend. I will confirm that again with you on Monday.

Looking forward to setting the logistics,

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065

From: Coley, Meredith <MColey@trccompanies.com>
Sent: Friday, January 14, 2022 2:06 PM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: RE: [EXTERNAL] LGEA Full Pre Audit Questionnaire

Hey Steven – The questionnaire says that you can give 13 months of UPS data. Could you get that for me for August 2020 – August 2021? Can you separate it monthly for all sites?

Thank You

Meredith Coley

Account Manager, New Jersey's Clean Energy Program



900 Route 9 North, Suite 404, Woodbridge, NJ 07095

T 252.459.4664

[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Steven E. Rathgeb <srathgeb@bcbridges.org>
Sent: Tuesday, January 11, 2022 9:18 AM
To: Coley, Meredith <MColey@trccompanies.com>
Cc: Lott, Melissa <MLott@trccompanies.com>
Subject: [EXTERNAL] LGEA Full Pre Audit Questionnaire

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Hi Meredith, I filled out the bottom section, and my last email to you should have included the first 15 questions!

Hope you have a great day,

Steven Rathgeb

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From: [Steven E. Rathgeb](#)
To: [Michael Ott](#)
Subject: FW: [EXTERNAL] LGEA Full Pre Audit Questionnaire
Date: Friday, January 14, 2022 3:50:00 PM
Attachments: [image001.png](#)

At your leisure, the meeting is not until Thursday or Friday the 27th/28th.

Thanks,
Steve

From: Coley, Meredith <MColey@trccompanies.com>
Sent: Friday, January 14, 2022 2:06 PM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: RE: [EXTERNAL] LGEA Full Pre Audit Questionnaire

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Account Manager, New Jersey's Clean Energy Program



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From: [Steven E. Rathgeb](#)
To: [John D. Moore](#)
Subject: FW: Worker-Owned Cooperatives, Cooperative Enterprises & Corporations Links & Resources
Date: Thursday, January 13, 2022 12:19:00 PM

From: Steven E. Rathgeb
Sent: Wednesday, January 12, 2022 3:00 PM
To: Liz Verna <lverna@bcbridges.org>; Tom J. Stanuikynas <tstanuikynas@bcbridges.org>
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Some links also point to Mondragon Corporation; probably the most prominent example of the potential of this company formation. It currently employs over 80,000 people and displays an ideal relationship between companies and workers, a mutually beneficial partnership, with a vision to help the future.

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This is something that I truly believe will benefit this county, and its people for far longer than any of us last. When there is **a chance to breathe**, I would love to discuss this more and see your ideas and visions on possible incentivizing the creations of business' like this.

[How to stop poverty: start a worker-owned cooperative | Jim Brown | TEDxTuscaloosa](#) (17min) → TED Talk

I recommend this or the video underneath as an introduction

[Mondragon's Cooperatives And The Legacy of Catholic Priest José María Arizmendiarieta](#) (5min) → News Story

[Richard D. Wolff Lecture on Worker Coops: Theory and Practice of 21st Century Socialism](#) (1hr 38min) → Academic Lecture

[This New Cooperative Business Model Could Change Everything](#) (25min) → Long form News Story

[Richard Wolff on the Mondragon cooperatives](#) (44min) → There is an 8 minute video he starts this with HIGHLY recommend just that if you don't have time for the entire watch

Look forward to next week!

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065

From: [Steven E. Rathgeb](#)
To: [Liz Verna](#); [Tom J. Stanuikynas](#)
Subject: Worker-Owned Cooperatives, Cooperative Enterprises & Corporations Links & Resources
Date: Wednesday, January 12, 2022 2:59:00 PM

Hello again,

Very glad we were able to acquaint and I really look forward to having you both to work WITH going forward.

This is a quick gathering of some links communicating the concept of Worker Cooperatives, their philosophy, start, and economic potential.

Some links also point to Mondragon Corporation; probably the most prominent example of the potential of this company formation. It currently employs over 80,000 people and displays an ideal relationship between companies, and worker's, a mutually beneficial partnership, with a vision to help the future.

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Look forward to next week!

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065

From: [Steven E. Rathgeb](#)
To: [Constance Borman](#)
Subject: RE: Message from KM_C258 DAILY MOTIVATION
Date: Wednesday, January 12, 2022 1:26:00 PM

Thank you!

From: Constance Borman
Sent: Wednesday, January 12, 2022 12:11 PM
To: Constance Borman <cborman@bcbridges.org>
Subject: FW: Message from KM_C258 DAILY MOTIVATION

[BURLINGTON COUNTY TESTING SITE PCR TEST 4390 ROUTE 130 NORTH WILLINGBORO NJ 08046](#)
[PLEASE WEAR A MASK RESULTS IN 24 TO 48 HOURS](#)

From: admin2@bcbridges.org <admin2@bcbridges.org>
Sent: Wednesday, January 12, 2022 12:04 PM
To: Constance Borman <cborman@bcbridges.org>
Subject: Message from KM_C258

From: [Steven E. Rathgeb](#)
To: [Rose Lenoff](#)
Subject: RE: [EXT] RE: New Grants Coming Your Way!
Date: Wednesday, January 12, 2022 9:54:00 AM
Attachments: [image001.png](#)

Ahh, so I'm following now, they need direct quotes of the hardware, so just the charger, not the servicing or make-ready costs.

Thank you for reaching out to Dave and D'Angelo!

Amazing! With Palmyra being an economic opportunity zone, I am sure even with the increase due diligence to select individual communities I think we still have opportunity to get funded. Could also use this an opportunity for Burlington, to install some stations there as well. Thank you very much! Maybe next week we can chat for a 15-20 minute?

I'm currently consolidating a lot of information, and am communicating with the Head of Economic Development for the county today as well, to get an idea of what she sees as appropriate routes forward for the commission. I know she has ideas about the deployment of EV's and EVSE around the county so I hope to gain a better understanding to make this process a little easier.

I am thinking mid-week if that is cool for you?

From: Rose Lenoff <rlenoff@flo.com>
Sent: Tuesday, January 11, 2022 5:56 PM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: Re: [EXT] RE: New Grants Coming Your Way!

Skiing in Vermont! How fun! That's a great way to spend time off.

With Pays to Plug In, they want to see three EV charging stations manufacture quotes attached to the application. They list this on their website as Step 2 (*Obtain three (3) quotes for the EV charging stations*). DEP would be happy to see the installation quotes as well, though this would be extra and not required as part of the application.

I spoke with Dave from Troller Electric today. He had COVID and was out flat for the past two weeks but is back at the office and catching up on things. He should be sending you something soon. I'll reach out to D'Angelo Electric to see where things stand and will hopefully get you a quote soon!

The Community Grant will prioritize certain locations around the state that have low EVSE access. In Burlington County for example, they might say that the County will receive 4 DCFC stations and then say which municipalities or localities within the County are highest priority for those stations. There are a lot of questions that still need to be addressed, but we'll know more once the actual solicitation is released. Much more to come!

If you want to chat about this more, please feel free to give me a ring!

All the best,

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1264
1300 Route 73 North, Palmyra, New Jersey, 08065



Rose Lenoff

Business Development Manager - Smart Cities and
Government

c. 571.748.8160 | e. rlenoff@flo.com | w. flo.com | p. she/her

Brooklyn, NY

[Click here to schedule a meeting with me](#)

From: Steven E. Rathgeb <srathgeb@bcbridges.org>

Sent: Monday, January 10, 2022 12:47 PM

To: Rose Lenoff <rlenoff@flo.com>

Subject: [EXT] RE: New Grants Coming Your Way!

Sorry to hear you got it, hope you weren't suffering while quarantining! The turn around of the year so far has been pretty cool for me, went skiing in Killington, VT 12/29-30, hit Columbus the 3rd & 4th then stopped at Pittsburgh & Blue Slide Park on the 5th. Unfortunately, I came in contact with someone when I got home, but I'm asymptomatic (like the 5th time I've come in contact, no sickness). Had to stay out of the office 6th & 7th to protect Director Moore and his family.

Questions regarding the content of the email:

I thought Level 2 Chargers were already a part of Pays to Plug In with subsidies being noticeably lower, the \$4000 figure feels familiar, is it possible we already knew that?

When you say I will need to reach out to 2 other EVSE, does that mean 5 is required? Because we had 3 scopes come out?

Also, regarding the quotes, Adam Baldwin is the only person in my inbox from those quotes. Should I reach out to them and inquire, if yes, could I acquire their contact info again please?

Looking forward to the BPU's new round and grants! What is the context of a community grant? Does that mean its hyper local? Or related to how a project affects given communities?

As always, with much appreciation for you and your impact,

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1264
1300 Route 73 North, Palmyra, New Jersey, 08065

From: Rose Lenoff <rlenoff@flo.com>
Sent: Friday, January 7, 2022 11:31 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: New Grants Coming Your Way!

Hi Steve!

I hope you're doing well! How was your holiday break? I ended up getting COVID (but so did everyone it seems like) so I ended up hanging out at home the whole time.

I had a call with NJDEP earlier this week. The most relevant info to know is that they're accepting L2 applications through the Pays to Plug In program. The application is on their website and as part of the application, you'll need to reach out to two other EVSE companies for quotes. I suggest you reach out to the following:

- [EVBox](#) - You can reach out to one of their sales reps for a quote via their website
- [Bryan Electric](#) will give you a quote for a ChargePoint station

They also said that the BPU received about 90 applications for their tourism grant. If BCBC isn't selected for this round, BPU is going to release a second tourism application solicitation in a few weeks. There's also going to be a new (and different) grant released next week or the following from the BPU, though I don't know the specifics yet. And lastly, NJDEP will be releasing a community grant sometime in the next month or so. When more details are posted I'll share them with you. Lots of money is flying around, we just need to grab it!

As always, all the best to you!



Rose Lenoff
Business Development Manager - Smart Cities and
Government

c. 571.748.8160 | e. rlenoff@flo.com | w. flo.com | p. she/her

Brooklyn, NY

[Click here to schedule a meeting with me](#)

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From: [Steven E. Rathgeb](#)
To: [Coley, Meredith](#)
Cc: [Lott, Melissa](#)
Subject: LGEA Full Pre Audit Questionnaire
Date: Tuesday, January 11, 2022 9:18:00 AM
Attachments: [LGEA Pre-Audit Questionnaire Full.pdf](#)

Hi Meredith, I filled out the bottom section, and my last email to you should have included the first 15 questions!

Hope you have a great day,

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065



ENTITY		En
1	Name of Entity / Government / Non-Profit:	
PROJECT CONTACTS		Co
2	Who are the contacts (primary <u>AND</u> secondary) that may be involved in the energy audit process moving forward? Please include name, phone and email for each person listed.	
<i>Note the Program requires to have a person(s) available for the site visit(s) that is familiar with daily operations and use of the building(s), which may include a site engineer, facilities director, maintenance staff, etc.</i>		
SITE-SPECIFIC REQUIREMENTS		Re
3	Any specific safety and/or security requirements the auditor will be required to adhere to before arriving or while on site?	
4	Any specific equipment required by the site(s)? If yes, please describe if equipment is provided or if the auditor needs to obtain.	
5	Will auditor have access to all areas of the facility on the date scheduled (including the roof, if necessary)?	
6	Will maintenance staff be on hand to answer our auditors questions on the day of the audit?	
WORK IN-PROGRESS & PLANNED WORK		
7	Any major work currently being performed <u>or</u> is planned to start in the next few months in a facility(ies) to be audited?	
8	Has there been any recent upgrades to the HVAC and/or lighting systems in the facility(ies)? Recent meaning within the past year.	
<i>Note that you should <u>not</u> be participating in the equipment incentive programs (i.e. SmartStart, Direct Install, etc.)</i>		

From: [Steven E. Rathgeb](#)
To: [Michael Ott](#)
Subject: FW: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire
Date: Monday, January 10, 2022 2:57:00 PM
Attachments: [replaced_LGEA Pre-Audit Questionnaire Data Center.pdf](#)
[image001.png](#)

I actually talked to Manvir in IT, and I found the answers to 18-21...

18: UPS for only IT equipment

19: N+2

20: N+2

21: Yes (Manvir said you guys sub-metered following the old Energy Audit, so we will definitely have 14 months if applicable)

So the big question I have for you is the Gross Floor Area. I assume we are applying the Data Center Energy Estimates (Q.17) for the LGEA because we want that audited.

Trying to reduce the frequency and workload I bother you with hahah,

Steven Rathgeb

From: Steven E. Rathgeb
Sent: Monday, January 10, 2022 11:02 AM
To: Michael Ott <Michael.Ott@rve.com>
Subject: FW: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire

Hey Mike,

The new sheet is the same as the other document, with Data Center Specific Questions. I already sent them the first 15 questions, is it possible you would be able to fill out simply the last 5 question section and send it back please!

I appreciate you immensely, I was out of the office last week for longer than I expected as I came in contact w/ some COVID individuals. Feeling 100% though!

Thank you again for your continued help, and information.

Steven Rathgeb

From: Coley, Meredith <MColey@trccompanies.com>
Sent: Monday, January 10, 2022 10:33 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: RE: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire

Good morning Steven – Thanks for sending this info! I have attached a version of the questionnaire that includes a section on data centers. Do you mind filling out that section for me? This is additional info that we will need.

Thank You

Meredith Coley

Account Manager, New Jersey's Clean Energy Program



900 Route 9 North, Suite 404, Woodbridge, NJ 07095

T 252.459.4664

[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Steven E. Rathgeb <srathgeb@bcbridges.org>
Sent: Monday, January 10, 2022 10:05 AM
To: Lott, Melissa <MLott@trccompanies.com>
Cc: Coley, Meredith <MColey@trccompanies.com>
Subject: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

Good morning Melissa and Meredith!

Sorry for the lateness, I went skiing last week, then when returning our office had some Covid-19 liabilities.

Nonetheless, I have the questionnaire and an additional mechanical equipment list for extra specifications. Attached is also our own PhotoVoltaic Feasibility Assessment Report just for extra context. I have copies of each conceptual layout on BCBC premises for utilization by the auditors when needed.

Looking forward to communicating with you soon Meredith, and thank you Melissa for everything you've done!

In terms of who to have on the call, I would like to offer invitations to a few people, although they all might not join.

John Moore → Director of PCNP/IEO, also my direct report

JMoore@Bcbridges.org

Christine Nociti → CFO/ Chief Compliance Officer for BCBC

CNociti@BCbridges.org

Sascha Harding → BCBC Resident Engineer

SHarding@BCbridges.org

Mike Ott → Remington & Vernick: Senior Engineer

Michael.Ott@rve.com

I reached out to the Director of Maintenance as well, and I may forward you his email as well, if he alerts his desire to join the call. Sascha Harding & Mike Ott will be your main informational source. Ms. Nociti will be there for compliance matters.

I will talk to you soon,

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
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To: [Steven E. Rathgeb](#)
Subject: RE: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire
Date: Monday, January 10, 2022 2:55:00 PM
Attachments: [image001.png](#)

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From: Coley, Meredith <MColey@trccompanies.com>
Sent: Monday, January 10, 2022 10:33 AM
To: Steven E. Rathgeb <srathgeb@bcbbridges.org>
Subject: RE: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire

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Meredith Coley

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T 252.459.4664

[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

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Sent: Monday, January 10, 2022 10:05 AM
To: Lott, Melissa <MLott@trccompanies.com>
Cc: Coley, Meredith <MColey@trccompanies.com>
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JMoore@Bcbridges.org

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Steven Rathgeb

Sustainability Coordinator

Burlington County Bridge Commission & Improvement Authority

856-829-1900 Ext. 1263

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From: [Steven E. Rathgeb](#)
To: [John D. Moore](#)
Subject: FW: EPA Air Quality Monitoring Grant and Informational Webinar
Date: Monday, January 10, 2022 2:29:00 PM

This sounds like our alley...

Webinar for application procedure is tomorrow 1pm

From: Office of Environmental Justice <NJDEP-OEJ@public.govdelivery.com>
Sent: Wednesday, January 5, 2022 4:03 PM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: EPA Air Quality Monitoring Grant and Informational Webinar

OEJ Banner



OPEN: Air Quality Monitoring Grant and Informational Webinar

With funding from the [American Rescue Plan](#), EPA is opening a grant competition for a total of \$20 million to enhance ambient air monitoring in communities with health outcome disparities from pollution and the COVID-19 pandemic.

Applications must be submitted no later than **February 25, 2022, at 11:59 p.m. EST**. EPA expects to award the grants in summer 2022.

EPA will also host a webinar to discuss this Request for Application. Participants will have the opportunity to have their questions answered by EPA in a public forum. Pre-registration is not required.

Date: Tuesday, January 11, 2022
Time: 1:00 PM – 2:00 PM EST

Link to Join: <https://usepa.zoomgov.com/j/1613283271>

Or join by phone: 1-669-254-5252 (San Jose) or 1-646-828-7666 (NY); meeting ID: 161 328 3271

WHO CAN APPLY?

Entities eligible to apply include: States (including the District of Columbia); local governments; U.S. territories and possessions; Indian tribes; and community-based, nonprofit organizations. For-profit organizations are not eligible to apply.

WHAT PROJECTS WILL BE CONSIDERED?

Any project to support/develop/establish ambient air monitoring of pollutants in communities with environmental and health outcome disparities stemming from pollution and the COVID-19 pandemic.

Applications must address one or more of the following air pollutants: particle pollution (ultrafine, PM_{2.5}, or PM₁₀), hazardous air pollutants (HAPs), carbon monoxide, lead, nitrogen dioxide, ozone, sulfur dioxide, criteria air pollutant precursor(s).

WHERE CAN I SUBMIT MY APPLICATION?

Application packages must be submitted electronically to EPA through www.grants.gov. For tips and more information on how to apply through Grants.gov, visit the EPA Grants page: <https://www.epa.gov/grants>. Applications must be submitted no later than **February 25, 2022**, at 11:59 p.m. EST.

HAVE MORE QUESTIONS?

Email them to AirMonitoring@epa.gov! Questions must be submitted via email before February 18, 2022. EPA will answer relevant questions and post them in the Question/Answer document the following week, while the RFA is open, at: <https://www.epa.gov/grants/enhanced-air-quality-monitoring-communities>. All applicants are encouraged to check the document regularly.

To view the full announcement and access the Request for Application document, visit website here: <https://www.epa.gov/grants/air-grants-and-funding>.



Office of Environmental Justice

Questions? [Contact Us](#)



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This email was sent to srathgeb@bcbridges.org using GovDelivery Communications Cloud on behalf of: New Jersey Department of Environmental Protection · 401 E. State St. · Trenton, NJ 08625

From: [Steven E. Rathgeb](#)
To: [Liz Verna](#)
Subject: RE: introduction/meeting
Date: Monday, January 10, 2022 1:57:00 PM

Awesome! See you then

From: Liz Verna
Sent: Monday, January 10, 2022 1:35 PM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Cc: Tom J. Stanuikynas <tstanuikynas@bcbridges.org>
Subject: RE: introduction/meeting

Might help if I actually include the information...

EDRP & BCBC Sustainability Coordinator
Wed, Jan 12, 2022 10:00 AM - 11:00 AM (EST)

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/578920869>

You can also dial in using your phone.

United States: [+1 \(872\) 240-3311](tel:+18722403311)

Access Code: 578-920-869

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

<https://global.gotomeeting.com/install/578920869>

Liz Verna
Director of Economic Development & Regional Planning
Burlington County Bridge Commission
609-265-3139

From: Liz Verna
Sent: Monday, January 10, 2022 11:25 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Cc: Tom J. Stanuikynas <tstanuikynas@bcbridges.org>
Subject: RE: introduction/meeting

Good Morning, Steven. So great to hear from you, no worries on the late reply. Let's meet on Wednesday at 10 AM. Below if the call-in information. We look forward to talking with you!

Best,

Liz

Liz Verna
Director of Economic Development & Regional Planning
Burlington County Bridge Commission
609-265-3139

From: Steven E. Rathgeb <srathgeb@bcbridges.org>
Sent: Monday, January 10, 2022 10:18 AM
To: Liz Verna <lverna@bcbridges.org>
Cc: Tom J. Stanuikynas <tstanuikynas@bcbridges.org>
Subject: RE: introduction/meeting

Good Morning you two!

I look forward to communicating with you all! Apologies for the late reply, I was out of the office last week and it lasted longer than I planned.

I can't wait to discuss what Economic Development's vision and goals are for the county right now, and how we can incorporate Sustainability to be a key pillar in your philosophy.

Wednesday would work well! I can do both the morning and afternoon. If a preference is needed, lets edge towards the morning, if something has arisen, than we can slide to the afternoon.

Very Excited to meet you both and communicate,

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-828-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065

From: Liz Verna
Sent: Thursday, January 6, 2022 10:01 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Cc: Tom J. Stanuikynas <tstanuikynas@bcbridges.org>
Subject: introduction/meeting

Happy New Year, Steven!

I wanted to set up a meeting with you, me, and Tom Stanuikynas, Regional Planning Manager from the EDRP office. It would be an informal meeting, just to introduce ourselves, talk a little about what we do in EDRP, and how we might be able to connect with you going forward. Of course we'll do the meeting via GoToMeeting.

Let me know if you have availability for any of the following:

Wed 1/12, 10am, 2pm

Thu 1/13, afternoon

Fri 1/14, 10am – 12pm

Wed 1/19, anytime

Thanks, Steven. We look forward to touching base with you soon.

Best,
Liz

Liz Verna
Director of Economic Development & Regional Planning
Burlington County Bridge Commission
609-265-3139

From: [Steven E. Rathgeb](#)
To: [John D. Moore](#)
Subject: FW: Reduce waste and emissions with new circularity strategies
Date: Monday, January 10, 2022 12:47:00 PM

Just an interesting read. For your leisure.

From: Microsoft Team <microsoft@email.microsoft.com>
Sent: Wednesday, January 5, 2022 9:07 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: Reduce waste and emissions with new circularity strategies

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Explore how Microsoft Circular Centers are driving innovation in sustainability

Learn how to drive long-term sustainability with circularity strategies, the process of reusing, repurposing, or recycling materials to reduce waste.

In this story, discover how Microsoft Circular Centers are optimizing the reuse, resale, and recycling of decommissioned servers—and get ideas for ways to apply these strategies to your organization. Find out how this model has allowed us to:

- Achieve 83 percent reuse and 17 percent recycle of critical parts.
- Contribute to the reduction of carbon emissions by 145,000 metric tons CO2 equivalent.
- Increase supply chain efficiency and resiliency.

Plus, [watch the video](#) to see how the Microsoft Circular Centers are helping us work towards our 2030 zero waste and carbon negative goals.

[Read the story](#)



Discover how businesses are accelerating sustainability efforts

Join Microsoft Chief Environmental Officer Lucas Joppa and Microsoft US President Deb Cupp as they discuss ways to track and reduce your carbon footprint.

[Watch the webinar >](#)



Explore Microsoft Cloud for Sustainability

Record, report, and reduce your organization's environmental impact with this new solution.

[Try the preview >](#)



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Microsoft Corporation

One Microsoft Way Redmond
WA 98052



From: [Steven E. Rathgeb](#)
To: [Rose Lenoff](#)
Subject: RE: New Grants Coming Your Way!
Date: Monday, January 10, 2022 12:47:00 PM
Attachments: [image001.png](#)

Sorry to hear you got it, hope you weren't suffering while quarantining! The turn around of the year so far has been pretty cool for me, went skiing in Killington, VT 12/29-30, hit Columbus the 3rd & 4th then stopped at Pittsburgh & Blue Slide Park on the 5th. Unfortunately, I came in contact with someone when I got home, but I'm asymptomatic (like the 5th time I've come in contact, no sickness). Had to stay out of the office 6th & 7th to protect Director Moore and his family.

Questions regarding the content of the email:

I thought Level 2 Chargers were already a part of Pays to Plug In with subsidies being noticeably lower, the \$4000 figure feels familiar, is it possible we already knew that?

When you say I will need to reach out to 2 other EVSE, does that mean 5 is required? Because we had 3 scopes come out?

Also, regarding the quotes, Adam Baldwin is the only person in my inbox from those quotes. Should I reach out to them and inquire, if yes, could I acquire their contact info again please?

Looking forward to the BPU's new round and grants! What is the context of a community grant? Does that mean its hyper local? Or related to how a project affects given communities?

As always, with much appreciation for you and your impact,

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1264
1300 Route 73 North, Palmyra, New Jersey, 08065

From: Rose Lenoff <rlenoff@flo.com>
Sent: Friday, January 7, 2022 11:31 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: New Grants Coming Your Way!

Hi Steve!

I hope you're doing well! How was your holiday break? I ended up getting COVID (but so did everyone it seems like) so I ended up hanging out at home the whole time.

I had a call with NJDEP earlier this week. The most relevant info to know is that they're accepting L2 applications through the Pays to Plug In program. The application is on their

website and as part of the application, you'll need to reach out to two other EVSE companies for quotes. I suggest you reach out to the following:

- [EVBox](#) - You can reach out to one of their sales reps for a quote via their website
- [Bryan Electric](#) will give you a quote for a ChargePoint station

They also said that the BPU received about 90 applications for their tourism grant. If BCBC isn't selected for this round, BPU is going to release a second tourism application solicitation in a few weeks. There's also going to be a new (and different) grant released next week or the following from the BPU, though I don't know the specifics yet. And lastly, NJDEP will be releasing a community grant sometime in the next month or so. When more details are posted I'll share them with you. Lots of money is flying around, we just need to grab it!

As always, all the best to you!



Rose Lenoff

Business Development Manager - Smart Cities and Government

c. 571.748.8160 | e. rlenoff@flo.com | w. flo.com | p. she/her

Brooklyn, NY

[Click here to schedule a meeting with me](#)

From: [Steven E. Rathgeb](#)
To: [Michael Ott](#)
Subject: FW: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire
Date: Monday, January 10, 2022 11:01:00 AM
Attachments: [replaced_LGEA Pre-Audit Questionnaire Data Center.pdf](#)
[image001.png](#)

Hey Mike,

The new sheet is the same as the other document, with Data Center Specific Questions. I already sent them the first 15 questions, is it possible you would be able to fill out simply the last 5 question section and send it back please!

I appreciate you immensely, I was out of the office last week for longer than I expected as I came in contact w/ some COVID individuals. Feeling 100% though!

Thank you again for your continued help, and information.

Steven Rathgeb

From: Coley, Meredith <MColey@trccompanies.com>
Sent: Monday, January 10, 2022 10:33 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: RE: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire

Good morning Steven – Thanks for sending this info! I have attached a version of the questionnaire that includes a section on data centers. Do you mind filling out that section for me? This is additional info that we will need.

Thank You

Meredith Coley

Account Manager, New Jersey's Clean Energy Program



900 Route 9 North, Suite 404, Woodbridge, NJ 07095

T 252.459.4664

[LinkedIn](#) | [Twitter](#) | [Blog](#) | [TRCcompanies.com](#)

From: Steven E. Rathgeb <srathgeb@bcbridges.org>
Sent: Monday, January 10, 2022 10:05 AM
To: Lott, Melissa <MLott@trccompanies.com>
Cc: Coley, Meredith <MColey@trccompanies.com>
Subject: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire

This is an **EXTERNAL** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

Good morning Melissa and Meredith!

Sorry for the lateness, I went skiing last week, then when returning our office had some Covid-19 liabilities.

Nonetheless, I have the questionnaire and an additional mechanical equipment list for extra specifications. Attached is also our own PhotoVoltaic Feasibility Assessment Report just for extra context. I have copies of each conceptual layout on BCBC premises for utilization by the auditors when needed.

Looking forward to communicating with you soon Meredith, and thank you Melissa for everything you've done!

In terms of who to have on the call, I would like to offer invitations to a few people, although they all might not join.

John Moore→ Director of PCNP/IEO, also my direct report

JMoore@Bcbridges.org

Christine Nociti→ CFO/ Chief Compliance Officer for BCBC

CNociti@BCbridges.org

Sascha Harding→ BCBC Resident Engineer

SHarding@BCbridges.org

Mike Ott→ Remington & Vernick: Senior Engineer

Michael.Ott@rve.com

I reached out to the Director of Maintenance as well, and I may forward you his email as well, if he alerts his desire to join the call. Sascha Harding & Mike Ott will be your main informational source. Ms. Nociti will be there for compliance matters.

I will talk to you soon,

Steven Rathgeb

Sustainability Coordinator

Burlington County Bridge Commission & Improvement Authority

856-829-1900 Ext. 1263

1300 Route 73 North, Palmyra, New Jersey, 08065

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Local Government Energy Pre-Audit Facility

ENTITY		Entity Name
1	Name of Entity / Government / Non-Profit:	
PROJECT CONTACTS		Contact Name
2	Who are the contacts (primary <u>AND</u> secondary) that may be involved in the energy audit process moving forward? Please include name, phone and email for each person listed.	
<i>Note the Program requires to have a person(s) available for the site visit(s) that is familiar with daily operations and use of the building(s), which may include a site engineer, facilities director, maintenance staff, etc.</i>		
SITE-SPECIFIC REQUIREMENTS		Response
3	Any specific safety and/or security requirements the auditor will be required to adhere to before arriving or while on site?	
4	Any specific equipment required by the site(s)? If yes, please describe if equipment is provided or if the auditor needs to obtain.	
5	Will auditor have access to all areas of the facility on the date scheduled (including the roof, if necessary)?	
6	Will maintenance staff be on hand to answer our auditors questions on the day of the audit?	
WORK IN-PROGRESS & PLANNED WORK		Response
7	Any major work currently being performed <u>or</u> is planned to start in the next few months in a facility(ies) to be audited?	
8	Has there been any recent upgrades to the HVAC and/or lighting systems in the facility(ies)? Recent meaning within the past year.	
<i>Note that you should <u>not</u> be participating in the equipment incentive programs (i.e. SmartStart, Direct Install, etc.)</i>		

From: [Steven E. Rathgeb](#)
To: [Coley, Meredith](#)
Subject: RE: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire
Date: Monday, January 10, 2022 10:51:00 AM
Attachments: [image001.png](#)

I will send this to my engineer, and send it back as soon as I receive it back!

From: Coley, Meredith <MColey@trccompanies.com>
Sent: Monday, January 10, 2022 10:33 AM
To: Steven E. Rathgeb <srathgeb@bcbridges.org>
Subject: RE: [EXTERNAL] Approved LGEA Pre-Audit Questionnaire

Your attachment(s) were cleaned by Check Point Sandblast Threat Extraction.

[Click here](#) to restore the original(s).

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Thank You

Meredith Coley

Account Manager, New Jersey's Clean Energy Program



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Steven Rathgeb

Sustainability Coordinator

Burlington County Bridge Commission & Improvement Authority

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From: [Steven E. Rathgeb](#)
To: [Liz Verna](#)
Cc: [Tom J. Stanuikynas](#)
Subject: RE: introduction/meeting
Date: Monday, January 10, 2022 10:18:00 AM

Good Morning you two!

I look forward to communicating with you all! Apologies for the late reply, I was out of the office last week and it lasted longer than I planned.

I can't wait to discuss what Economic Development's vision and goals are for the county right now, and how we can incorporate Sustainability to be a key pillar in your philosophy.

Wednesday would work well! I can do both the morning and afternoon. If a preference is needed, lets edge towards the morning, if something has arisen, than we can slide to the afternoon.

Very Excited to meet you both and communicate,

Steven Rathgeb

Sustainability Coordinator
Burlington County Bridge Commission & Improvement Authority
856-829-1900 Ext. 1263
1300 Route 73 North, Palmyra, New Jersey, 08065

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Fri 1/14, 10am – 12pm

Wed 1/19, anytime

Thanks, Steven. We look forward to touching base with you soon.

Best,
Liz

Liz Verna
Director of Economic Development & Regional Planning
Burlington County Bridge Commission

609-265-3139

From: [Steven E. Rathgeb](#)
To: [Lott, Melissa](#)
Cc: MColey@trccompanies.com
Subject: Approved LGEA Pre-Audit Questionnaire
Date: Monday, January 10, 2022 10:05:00 AM
Attachments: [BCBC Mechanical Equipment List EOY 2021.pdf](#)
[LGEA Pre-Audit Questionnaire.pdf](#)
[PhotoVoltaic Feasibility Assessment Report.docx](#)

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PCL XL Warning
IllegalMediaSize

PV Feasibility Assessment Report

1) Tacony Palmyra

a) Site Weather data: NE PHL

b) Police Bldg

i) Site

- (1) Azimuth 135/225/180
- (2) Tilt: Flat
- (3) Shading profile: ??
- (4) Direct shading: Very little on north end

ii) Module/Azimuth comparison

azimuth	tilt	modules	peak_kw	annual_kv	kwh_per_ac_year	Module name
225	10	230	44.8535	70569.1	1184.99	65625.9 Sanyo Electric VBHN240SA06
180	10	210	42.1785	66064.1	1214.89	61431 Sanyo Electric VBHN240SA06
135	10	250	49.8494	76887.3	1187.58	71488.5 Sanyo Electric VBHN240SA06
225	10	196	38.098	60137.2	1176.76	55536.2 Motech Americas IM60D3-245-X
180	10	168	33.6538	52851.3	1205.4	48761.1 Motech Americas IM60D3-245-X
135	10	182	36.2979	55974	1178.93	51664.4 Motech Americas IM60D3-245-X
225	10	156	30.5177	47864.3	1178.1	44252.8 Motech Americas IM72C3-285-X
180	10	144	28.9894	45301.1	1207.01	41851.1 Motech Americas IM72C3-285-X
135	10	156	31.2775	47977.7	1180.88	44357.1 Motech Americas IM72C3-285-X

c) Maintenance bldg.

i) Site

- (1) Azimuth: 56 AND 236
- (2) Tilt: 9 degrees
- (3) Shading Profile ??
- (4) Direct Shading Roof Equipment

ii) Inverter

- (1) Enphase micro inverters

iii) Modules

- (1) Motech Americas IM60 (due to microinverters)

iv) Must re-build roof

- (1) Racking per new roof layout

v) Size:

- (1) KW (STC): 145530

d) Admin bldg.

i) Site

- (1) Azimuth: 232/142
- (2) Tilt: Flat
- (3) Shading Profile: ??
- (4) Direct Shading: Roof Equipment on north roof

azimuth	tilt	modules	strings	peak_kw	annual_kv	kwh_per_
232	13	60	5	14.6669	21303.7	1161.98
142	13	60	5	14.9769	21863.9	1193.12

ii)

e) Cove

i) Site

(1) Azimuth:

(2) Tilt:

f) PA Switchyard

i) Site

(1) Azimuth: N/A (180 chosen)

(2) Tilt: N/A (30 degrees chosen)

(3) Row Spacing: 6 to 8 meters appropriate, 6 meters chosen

(4) Shading profile:

(5) Direct shading: Fence, telephone poles

ii) Site analysis:

azimuth	tilt	spacing	strings	peak_kw	annual_kv	kwh_per_	AC Kwh
180	30	6	56	169.347	258344	1168.26	223625
137	20	6	58	164.392	253084	1098.91	217863
180	25	6	50	147.534	229589	1162.26	198639
137	20	7	52	147.476	227723	1103.22	196091
137	20	8	51	144.782	223786	1107.79	193116
180	30	7	48	145.345	222591	1174.84	192757
236	30	7	52	149.242	218403	1052.57	187088
236	30	6	51	146.192	212343	1044.72	182122
180	25	7	45	133.002	207436	1169.64	179911
227	30	8	47	136.58	203712	1092.33	175487
227	30	7	47	136.472	202828	1087.18	174659
180	25	8	39	115.346	180081	1172.1	156251
236	30	8	42	120.671	177244	1058.06	151898

Inverter Selection:

1x Satcon 210W (oversized)

1x Ingeteam 165W (review datasheet)

3x Fronius CL 60.0 wye 277

2) Burlington Bristol

a) Site Weather data: McGuire AFB

b) Maintenance bldg.

i) Site

(1) Azimuth: 159

- (2) Tilt: flat
 - (3) Shading Profile: none
 - (4) Direct Shading: Rooftop units on south side of building
- ii) Module/Inverter Selection
 - (1) MotechIM60/enphase 215-60
 - (a) Kw: (STC) 9.86
 - (b) kWh: 12269
 - (c) kW/kWh: 1190
 - (2) MotechIM60/Fronius USA 10.0-1 uni
 - (a) kW: (STC) 10.29
 - (b) kWh: 12539
 - (c) kW/kWh: 1143
 - (3) MotechIM72/Fronius USA 6.0-1 uni
 - (a) kW:(STC) 6.836
 - (b) kWh: 9932
 - (c) kW/kWh: 1158
- c) Admin Bldg Parking lot
 - i) Site
 - (1) Azimuth: 158
 - (2) Tilt: 0 to 10 (10)
 - (3) Shading Profile: tree to east
 - (4) Object shading: N/A
 - ii) Inverter Selection:
 - (1) (Fronius 6.0-1 uni)*6 (Fronius 3.0-1 uni)*1
 - (2) (Fronius 3.0-1 uni)*13
 - iii) Module selection:
 - (1) Motech IM60-245
- 3) Conclusion:
 - a) Peak power (kW):
 - i) TP Police 38
 - ii) TP Admin: 15
 - iii) TP Maint
 - iv) TP Switchyard 192
 - v) TP Cove
 - vi) BB Parkinglot 30
 - vii) BB Maint 9.5
 - b) Array Size (kW)
 - i) TP Police
 - ii) TP Admin: 15
 - iii) TP Maint
 - iv) TP Switchyard 169
 - v) TP Cove

vi)	BB Parkinglot	37.73
vii)	BB Maint	10.29
c)	Yearly Estimated Output (kWh):	
i)	TP Police	60.14
ii)	TP Admin	21.8
iii)	TP Maint	
iv)	TP Switchyard	258344
v)	TP Cove	
vi)	BB Parkinglot	45289
vii)	BB Maint	12539
d)	Efficiency (kWh/kW):	
i)	TP Police	1176
ii)	TP Admin	1193
iii)	TP Maint	
iv)	TP Cove	
v)	TP Switchyard	1168
vi)	BB Parkinglot	1129
vii)	BB Maint	1190

' SamUL Script Created: Wed Jan 02 08:30:03 2013 by JTopham

```
setactivecase("BUCB")
mintemp = -10
dir = "P:/Projects/BUCB/BUCB12M035 - PV Feasibility Study/DESIGN/XE/SAM Models/Police
Station"
exist = direxists(dir)
if (exist == true)
    outln("Valid Directory")
    workdir = dir
    outln("working folder: " + workdir)
else
    outln("Invalid Directory")
end
input = open( workdir + "/input.csv", "r" )
if (not input)
    outln("could not open input file")
    exit
end

output = open( workdir + "/output.csv","w" )
if (not output)
    outln("could not open output file")
    exit
end

write( output, "azimuth,tilt,modules,peak_kw,annual_kwh,kwh_per_kw,ac_year\n")
declare buffer

readln(input,buffer)

while(readln(input,buffer))

    cols = split( buffer, "," )
    azimuth = double(cols[0])
    tilt = double(cols[1])
    mod_str = double(cols[2])
    modules = double(cols[3])
    moduletype= string(cols[4])
    invertertype= string(cols[5])
    str = integer(modules/mod_str)

    setinput( "pv.subarray1.azimuth", azimuth )
    setinput( "pv.subarray1.tilt", tilt )
    setinput( "pv.array.user_modules_per_string", mod_str )
    setinput( "pv.array.user_strings_in_parallel", str)
    SetInput("pv.mod.model_type",1)
    SetInput("pv.mod.cec.module_name",moduletype)
    setinput("pv.inv.model_type",1)
```

```

setinput("pv.inv.sandia.inverter_name",invertertype)

outln("Simulating Parameters: ")
simulate(false)

declare peak_kw=0,annual_kwh=0,kwh_per_kw=0,ac_year=0

peak_kW = max(getoutput("firstyear.ur.hourly.p_grid"))
annual_kwh = getoutput("system.annual.dc_derated")
kwh_per_kw = getoutput("sv.kwh_per_kw")
ac_year = getoutput("system.annual.e_net")

write( output, azimuth+"," +tilt+"," +str*mod_str+"," +peak_kw + "," + annual_kwh + ","
+kwh_per_kw+ "," +ac_year+ "," +moduletype+ "," +invertertype+"\n")
end

```



Local Government Energy Audit (LGEA) Program Pre-Audit Facility Questionnaire

ENTITY		Entity Name										
1	Name of Entity / Government / Non-Profit:	Burlington County Bridge Commission										
PROJECT CONTACTS												
2	Who are the contacts (primary <u>AND</u> secondary) that may be involved in the energy audit process moving forward? Please include name, phone and email for each person listed. <i>Note the Program requires to have a person(s) available for the site visit(s) that is familiar with daily operations and use of the building(s), which may include a site engineer, facilities director, maintenance staff, etc.</i>	<table border="1"> <thead> <tr> <th>Contact</th> <th>Title</th> </tr> </thead> <tbody> <tr> <td>Steven Rathgeb</td> <td>Sustainability Coordinator</td> </tr> <tr> <td>Sascha Harding</td> <td>Resident Engineer</td> </tr> <tr> <td>John Moore</td> <td>Executive Director</td> </tr> <tr> <td>Christine Nociti</td> <td>Chief Compliance Officer</td> </tr> </tbody> </table>	Contact	Title	Steven Rathgeb	Sustainability Coordinator	Sascha Harding	Resident Engineer	John Moore	Executive Director	Christine Nociti	Chief Compliance Officer
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SITE-SPECIFIC REQUIREMENTS												
3	Any specific safety and/or security requirements the auditor will be required to adhere to before arriving or while on site?	<table border="1"> <thead> <tr> <th>Response</th> <th>Notes/ Explanations</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>Regular NJ C</td> </tr> <tr> <td>Yes</td> <td>Auditor</td> </tr> <tr> <td>Yes</td> <td></td> </tr> <tr> <td>Yes</td> <td></td> </tr> </tbody> </table>	Response	Notes/ Explanations	Yes	Regular NJ C	Yes	Auditor	Yes		Yes	
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4	Any specific equipment required by the site(s)? If yes, please describe if equipment is provided or if the auditor needs to obtain.											
5	Will auditor have access to all areas of the facility on the date scheduled (including the roof, if necessary)?											
6	Will maintenance staff be on hand to answer our auditors questions on the day of the audit?											
WORK IN-PROGRESS & PLANNED WORK												
7	Any major work currently being performed <u>or</u> is planned to start in the next few months in a facility(ies) to be audited?	No										
8	Has there been any recent upgrades to the HVAC and/or lighting systems in the facility(ies)? Recent meaning within the past year. <i>Note that you should <u>not</u> be participating in the equipment incentive programs (i.e. SmartStart, Direct Install, etc.) until the final energy audit report is completed.</i>	Yes Several metal h electricians.										
ADDITIONAL FACILITY INFORMATION												
9	Are mechanical drawings available for the HVAC system(s)?	Yes Draw										
10	Are architectural drawings (i.e. floor plans) available for the site(s)?	Yes We have										
11	Are electrical, or other technical drawings available for the site(s)? If yes to 9, 10 or 11, are you able to send electronically? If no, are you able to provide paper copies?	Yes We have										
12	Does the facility(ies) have a Building Energy Management System (BMS)?	Yes										
13	Approximately how many boilers, chillers, rooftop units, etc. does the facility(ies) have?	No										
		Approximate co Please identify										

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