



FLORIDA DEPARTMENT OF Environmental Protection

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

Southwest District Office
13051 North Telecom Parkway #101
Temple Terrace, Florida 33637-0926

November 19, 2020

Mr. Dominic Iafrate, President
Iafrate Corporate Properties, Inc
855 28th Street S.
St. Petersburg, FL 33712
Diafrate@angelosrm.com

Re: **Conditional Approval of In-Kind Project**
Executed Consent Order OGC File No 20-0923; 20-0992
Enterprise Class III Landfill and Recycling Facility
Facility ID Nos. FLA936723; 87895
Pasco County

Dear Mr. Iafrate:

Thank you for your proposal dated November 2, 2020, requesting approval for an in-kind project to install a 30kW solar, photovoltaic system to offset the facility's fossil-fuel based electricity usage.

The proposed project provides a benefit to the environment and qualifies as an in-kind project in lieu of making a cash payment of penalties. **However, your request is conditionally approved.** Prior to construction, please provide a summary of the project specifics (location, site plan, etc.) and documentation of quotes and/or bids to the Department demonstrating that the in-kind project will meet the required penalties threshold value of \$79,277.82. In addition, please note that this approval does not alleviate the facility from obtaining any applicable permitting authorizations prior to beginning construction.

The Department appreciates your efforts to identify and participate in an environmental enhancement project. If you have any questions, please contact Kaitlyn Newsome at (813) 470-5877 or via e-mail at Kaitlyn.Newsome@floridadep.gov.

Sincerely,

Kelley M. Boatwright for:

Mary E. Yeagan, P.G.
Southwest District Director
Florida Department of Environmental Protection

Enclosure: In-Kind Project Proposal

cc: Kelley M. Boatwright, FDEP/SWD, Kelley.M.Boatwright@floridadep.gov
Erica Peck, FDEP/SWD, Erica.Peck@floridadep.gov
Steven Tafuni, FDEP/SWD, Steven.Tafuni@floridadep.gov
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Pradeep Jain, Innovative Waste Consulting, pjain@innovativetec.com
Glen H. Bleau, CFO-Angelo's Recycled Materials, GBleau@angelosrm.com



November 2, 2020

Attn: Mr. Michael
Lynch Florida
Department of
Environmental
Protection Southwest
District Office
13051 North Telecom Parkway #101
Temple Terrace, FL 33637-0926

Re: OCG No. 20-0923 and OCG No. 20-0992 In-Kind Project Request.

Dear Michael,

Please let this letter serve as the request of Angelo's Aggregate Materials, LTD, for an in-kind project per the Consent Orders (OGC No. 20-0923) and (OGC No. 20-0992) handed down by the Florida Department of Environmental Protection (FDEP). We propose installing a 30-kW solar photovoltaic system to offset our current fossil-fuel-based electricity usage. The proposed system is estimated to produce over 40,000 kilowatt-hours of renewable energy annually and generate over 1,000 Megawatt-hours over 25 years of its operating life. Based on the US Environmental Protection Agency's Avoided Emissions and Generation Energy tool, the proposed system would reduce greenhouse gas emissions by 29 tons CO₂ equivalent annually. It would also reduce acidic gases and particulate matter emissions. Please see Attachment A for the estimated benefits.

The current value of the project is estimated to be in the range of \$90,000 to \$100,000, which will exceed the one and a half times of the original penalties assessed on the Consent Orders, which is calculated by the FDEP to be \$77,277.82. The project would also be installed at a facility that is either owned or operated by Angelo's Aggregate Materials, LTD. We feel that the project meets the environmental enhancement as it would be improving the water quality of the pond. We look forward to working with the FDEP and will await your determination of an in-kind project request. Please, do not hesitate to contact me with any questions or comments.

Kindest Regards,

A handwritten signature in blue ink, appearing to read 'Glen H. Bleau'.

Glen H. Bleau
(Chief Financial Officer)

ATTACHMENT A

ESTIMATED ENVIRONMENTAL BENEFITS OF THE PROPOSED PROJECT

ATTACHMENT "A"

An official website of the United States government.



AVERT Web Edition

The AVoided Emissions and geneRation Tool (AVERT) evaluates how energy policies and programs such as energy efficiency (EE) and renewable energy (RE) lead to changes in emissions of particulate matter (PM_{2.5}), nitrogen oxides (NO_x), sulfur dioxide (SO₂), and carbon dioxide (CO₂) from electric power plants at a county, state, or regional level. AVERT is a free tool designed to meet the needs of state air quality planners, energy officials, public utility commission staff, environmental agency staff, professionals in the clean energy field, people working on climate planning, and other interested stakeholders. [View more information about AVERT and how it works.](#)

This is a simplified online version of AVERT. An Excel version of the tool with more output display options and more available data years can be downloaded for free [here](#). A [detailed user guide](#), [quick-start guide](#), [tutorial](#), and [step-by-step instructions](#) provide information about how to use the Excel version.

Select Geography

Set EE/RE Impacts

Get Results

Results: Avoided Regional, State, and County-Level Emissions

Annual Regional Displacements: Florida Region

| | Original | Post-EE/RE | EE/RE Impacts |
|---------------------------------------|-------------|-------------|---------------|
| Generation (MWh) | 180,103,000 | 180,102,940 | -50 |
| Total emissions of fossil EGUs | | | |
| SO ₂ (lbs) | 33,825,000 | 33,824,990 | -10 |
| NO _x (lbs) | 57,411,220 | 57,411,200 | -20 |
| CO ₂ (tons) | 98,230,960 | 98,230,940 | -20 |
| PM _{2.5} (lbs) | 14,226,300 | 14,226,290 | -- |

Emission rates of fossil EGUs

| | | |
|----------------------------|-------|-------|
| SO ₂ (lbs/MWh) | 0.188 | 0.188 |
| NO _x (lbs/MWh) | 0.319 | 0.319 |
| CO ₂ (tons/MWh) | 0.545 | 0.545 |

(tons/MWn)

| | | |
|--------------------------------|-------|-------|
| PM _{2.5} (lbs/MWh) | 0.079 | 0.079 |
|--------------------------------|-------|-------|

Negative numbers indicate displaced generation and emissions. All results are rounded to the nearest ten. A dash ('-') indicates a result greater than zero, but lower than the level of reportable significance.

Annual State Emission Changes: Florida Region

| State | SO ₂ (lbs) | NO _x (lbs) | CO ₂ (tons) | PM _{2.5} (lbs) |
|---------|-----------------------|-----------------------|------------------------|-------------------------|
| Florida | -14 | -21 | -29 | -4 |

Monthly Emission Changes: Florida Region

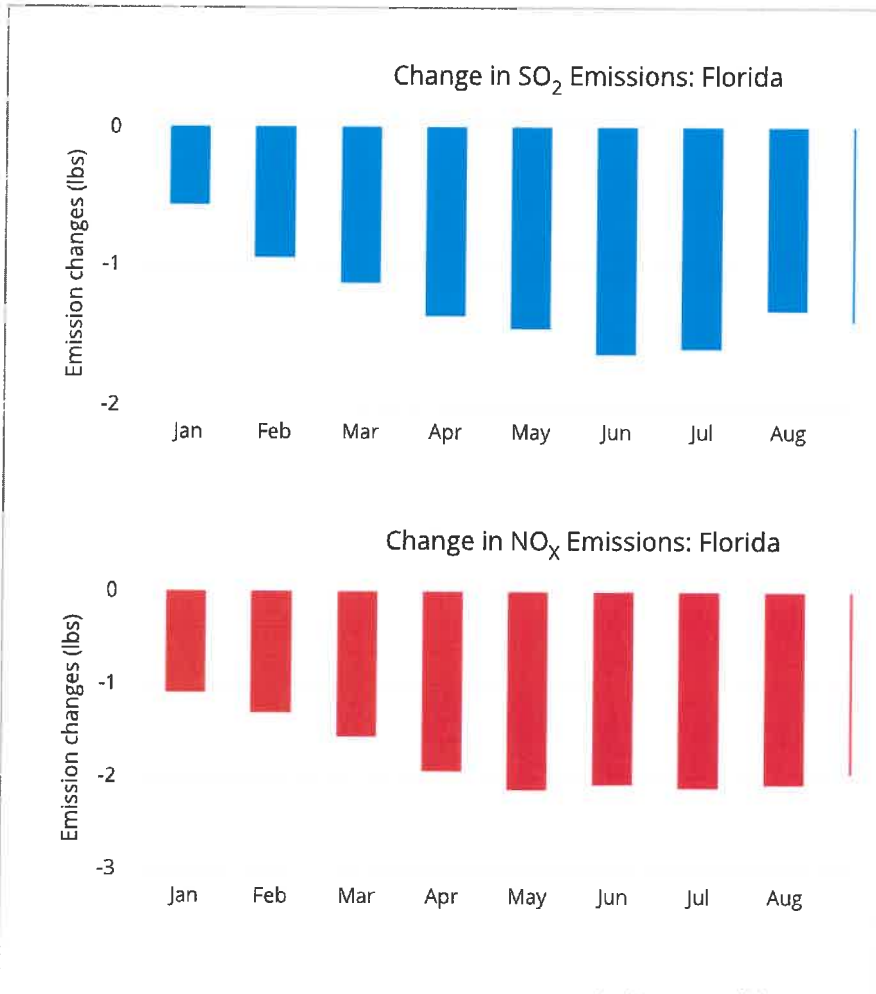
Select level of aggregation:

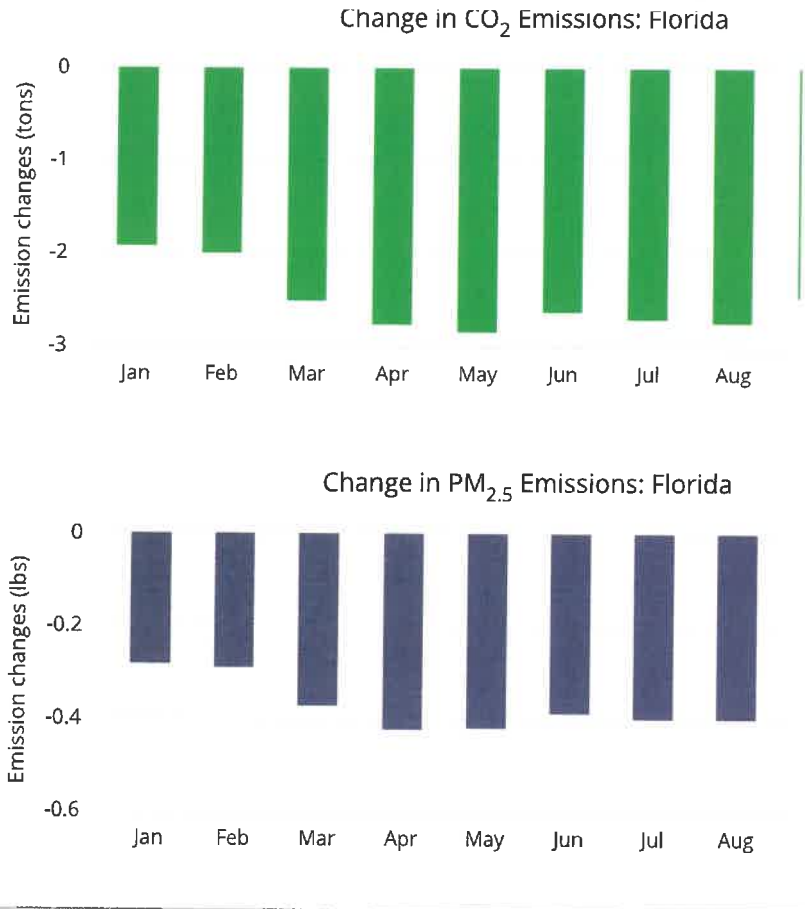
- Region
- State
- County

Florida

Select units:

- Emission changes (lbs or tons)
- Percent change





Data Download

Download monthly displacement data for each county, state, and region in this analysis, in CSV format.

[Download County Level Results](#)

LAST UPDATED ON SEPTEMBER 15, 2020

ATTACHMENT "A"



Equivalency Results

[How are they calculated?](#)


The sum of the greenhouse gas emissions you entered above is of Carbon Dioxide Equivalent. This is equivalent to:

29 Tons




Greenhouse gas emissions from

| | |
|---|---|
| 5.7 | 65,281 |
|  Passenger vehicles driven for one year |  Miles driven by an average passenger vehicle |

CO₂ emissions from

| | | |
|--|--|--|
| 2,960 | 2,584 | 28,988 |
|  gallons of gasoline consumed |  gallons of diesel consumed |  Pounds of coal burned |

| | | |
|---|---|---|
| 0.348 | 3 | 4.5 |
|  tanker trucks' worth of gasoline |  homes' energy use for one year |  homes' electricity use for one year |

| | | |
|---|--|---|
| 0.145 | 60.9 | 1,075 |
|  railcars' worth of coal burned |  barrels of oil consumed |  propane cylinders used for home barbeques |

| | |
|---|-----------|
| 0 | 3,355,163 |
|---|-----------|



coal-fired power plants in one year

-or-



number of smartphones charged

Greenhouse gas emissions avoided by



8.9



Tons of waste recycled instead of landfilled

-or-



1.3



Garbage trucks of waste recycled instead of landfilled

-or-



1,119



trash bags of waste recycled instead of landfilled

-or-



0.006



Wind turbines running for a year

-or-



999



Incandescent lamps switched to LEDs

Carbon sequestered by



435



tree seedlings grown for 10 years

-or-



34.4



acres of U.S. forests in one year

-or-



0.178



acres of U.S. forests preserved from conversion to cropland in one year