



Sustainable Jersey for Schools Certification Report

This is the Sustainable Jersey for Schools Certification Report of Delran Intermediate School (Burlington), a Sustainable Jersey for Schools bronze certified applicant.

Delran Intermediate School has been having teacher, building and district administration meetings throughout the 2015-2016 school year, as a formalized Green Team. The union is currently attempting to negotiate two teacher stipends for the individuals that will run the Sustainable Jersey for Schools program for the students. The teachers are working with the entire school towards the sustainability initiatives. By the fall of 2016, the students will begin to join the Green Team in an Eco School format for organizing the organization at DIS.

Contact Information

The designated Sustainable Jersey for Schools contact for Delran Intermediate School (Burlington) is:

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Actions Implemented

Each approved action and supporting documentation for which Delran Intermediate School (Burlington) was approved for in 2023 appears below. Note: Standards for the actions below may have changed and the documentation listed may no longer satisfy requirements for that action. Additionally, points associated with actions prior to 2013 certifications may not be accurate.

Board Leadership & Planning

District Sustainability Policy

10 Points

Program Summary: In 2018, the Board of Education, after attending the New Jersey Schools Boards Convention in Atlantic City, asked the Business Administrator, Derek Mead, and the Sustainability Project Coordinator, Erica DeMichele, to collaborate with Support Services Director, Mike DiGiovanni, to review the Sustainability Policies of other nearby districts, to determine what parts of the policies we were already completing. After a year and a half of the Board review and revisions, we accepted the Board motion for the policy on July 20, 2020 (see attached document, page 5, 13A). The Board of Education policies and minutes are shared with the community via the Burlington County Times each month. Our Superintendent, Dr. Brian Brotschul was named Superintendent of Burlington County in 2021 and 2022 NJASA Region III Superintendent of the Year. His video clarifies the commitment to sustainability in his video linked here: https://drive.google.com/file/d/19N42LXDMEI47_WAQ-SmYiEpJYAvkhg9f/view?usp=sharing This video also <https://www.youtube.com/watch?v=HiuOD7A6Agc> demonstrates the commitment to the work of our alliance. The BOE policy online, within the Delran Township Board of Education Policy and Regulation documents, lies within the following weblink: https://www.delranschools.org/b_o_e/policies_and_regulations Policy 7461 District Sustainability Policy is found under the first 7000 tab Within that link, on page 45, starts the policy for the district's requirements for sustainability initiatives and programming. This includes verbiage: Sustainability is defined as meeting the needs of the present without compromising the ability of future generations to meet their own needs. It considers the interrelationship of economic, social, and environmental factors that protect and enhance present and future quality of life. The Board of Education desires to conduct its operations and make decisions with identified sustainability priorities that include at a minimum: protecting students, staff, and community from environmental harm; preparing students for the future by educating for sustainability (knowledge of concepts and practices of environmental, social, and economic responsibility and sustainability); and include an intent to preserve current and future resources. The Board believes by incorporating sustainable practices into school policies and operations it can make an immediate impact on student health, academic performance, and teacher

PDF: [DELTRAN SUSTAINABILITY POLICY 7461 JUNE 2020.PDF](#)

PDF: [JULY 20 2020 WORK SESSION REGULAR PUBLIC 072120 FINAL.PDF](#)

School District Foundation

10 Points

School District

Program Summary: The Delran Education Foundation, Inc., a 501(c)(3) nonprofit corporation, was formed early in 2015 with the support of the Delran Board of Education and the district's superintendent, Dr. Brian Brotschul. Their website can be found at www.delranedfoundation.org (Although the Foundation has the district's support, they operate independently.) The Foundation was modeled after other local education foundations, such as the Medford Education Foundation, the Moorestown Education Foundation and the Mount Laurel Public Education Fund, all of which have provided significant financial support to their respective districts. Since New Jersey schools face constant funding challenges and operating costs are increasing rapidly, government our funding is decreasing. With such tight resources, school districts are often unable to fund the kinds of innovative programs that would develop and enhance skills necessary for success in the 21st century. In order to combat these financial strains, the Foundation raises money from local businesses, corporate sponsors, parents, alumni, and other supporters throughout the community. These contributions are used to support educationally sound, cutting-edge programs designed to better prepare Delran students for the rapidly-changing world. One of the main initiatives of the foundation is to support our programs in sustainability and STEAM initiatives. Each year, teachers and other professionals within the district are encouraged to apply for grants

to be used for innovative educational programs. Grants are awarded competitively for projects and ideas that will have the greatest positive impact on students' educational experience. Teachers and Delran administrators filled out a Google Form to submit their project requests: <https://docs.google.com/forms/d/e/1FAIpQLSeP64VYhPf4ai-Dflfjgz-J-JP8k-f9jhUopAjBX1DB1BXpcg/viewform?vc=0&c=0&w=1&flr=0> This is the DEF's explanatory video: <https://youtu.be/IXVtNE8Q1vU> The upload below shows the summary from the Education Foundation of the chosen projects which are made available to ALL staff in the Delran Township Public Schools in the opening day of school. The foundation also provided a more detailed speech to staff about the winners of this grant cycles grant. Finally , Tweets from Delran Township Schools as well as Principal Broadcasts note the achievements. A grant FAQ for this year's grant cycle can be accessed here: <https://www.delranedfoundation.org/grants/faq/>

WORD: [AWARD SPEECH.DOCX](#)

PDF: [2021-2022 DEF GRANT AWARD RECIPIENTS.PDF](#)

Energy Efficiency

Energy Efficiency for School Facilities

50 Points

 Bronze Priority  Silver Priority School District

Program Summary: Delran Township School District has seen significant energy savings by implementing several energy conservation measures as part of their ESIP project with Schneider Electric. Together, the district successfully installed solar panels on all four school buildings. After obtaining the solar power, they were able to reduce energy consumption by 32.57% across the district. This has helped to reallocate energy and capital elsewhere. The EUI spreadsheet shows a significant reduction of 32.57% from 2016 to 2018, the time periods before the ESIP project, and after 1 year of measurement and verification.

PDF: [LGEA](#)

EXCEL: [EUI SPREADSHEET - 12/16 - 8/18](#)

Building Efficiency Measures

30 Points

 Bronze Priority  Silver Priority School

Program Summary: Delran Township Public Schools has had a history of successful energy projects, including lighting upgrades and lighting controls and a comprehensive energy tracking and management system. In January 2015, Delran began exploring the possibility of an Energy Savings Improvement Program (ESIP). Several other School Districts had success with ESIP, and Delran saw this as a way to reduce energy use and become more sustainable. The District selected an Energy Services Company in the Fall of 2015, developed a District-wide Energy Savings Plan, and is currently in the Construction phase of this project. The Energy Savings Improvement Program will allow Delran Township Public Schools to reduce energy costs by 32%, produce 80% of its electric needs through on-site solar, and save taxpayers \$5.6 million over the next 15 years. Furthermore, this project will reduce Delran's GHG emissions by 47%. This ESIP

project will directly benefit students through a kiosk and energy dashboard system, provide awareness to the community about preserving the environment, and most importantly, free up funds for Delran schools to provide the best education possible. Through a combination of energy conservation measures and on site renewable energy, each school will see it's EUI decrease by over 40%. See the attached documentation for more information.

PDF: [ENERGY SAVINGS PLAN](#)

EXCEL: [EUI CALCULATOR](#)

PDF: [CONSTRUCTION SCHEDULE](#)

Green Cleaning

Green Cleaning Equipment

10 Points

School District

Program Summary: Delran Township Public Schools and T.U.C.S Cleaning services began their service contract for the 2015-2016 school year. The details of the contract specified Green Cleaning Supplies as a requirement for the bid to be accepted. The RFP included Custodial and Black Seal Operator Services to ensure proper training and protocols. T.U.C.S servicing contract outlines management, custodial operations, Green equipment utilized includes the attached list of scrubbers, vacuums and extractors. The T.U.C.S Green Cleaning Program utilizes products that are non-toxic, biodegradable and made from renewable resources, as well as microfiber systems and powdered equipment that capture and/or collects particulates while operating at a sound level of less than 70dBA. The custodial staff inspect the dust bag every two hours and replace the bag when full to ensure proper dust collection and removal. Auto scrubbers limit worker exposure to chemicals and the green solutions used by the staff are non-toxic and non-corrosive. Most importantly, these products are effective, in addition to the benefits of being environmentally safe. The Green Cleaning Equipment includes: the Advance EcoFlex system floor scrubber model SC750 REV, Tennant Floor Machine FM-17SS, Tennant Upright Vacuum V-SMU-14, Nobles Dry/Wet Vacuum V-WD-15 and 16B, and the Tennant Self-Contained Extractor EX-SC-412. The contract with T.U.C.S is contract dated in the attachment through June 30, 2022. the latest BOE approval for their service is attached, dated 6/14/21 as public notice. Additionally, the documented equipment is what is used for the purposes of the contracted cleaning agreement.

PDF: [GREEN CLEAN PROGRAM TUCS \(1\).PDF](#)

PDF: [TUCS TABLE OF CONTENTS \(1\).PDF](#)

PDF: [TUCS 21-22 CONTRACT \(1\).PDF](#)

Innovation Projects

Innovative Project #1

10 Points

Program Summary: Our goal is to teach advocacy and policy change to our students and we chose the topic of plastics in New Jersey. We decided that New Jersey should develop its own non-mandated recyclables program that would benefit our schools and community buildings by utilizing these plastics that are recycled to build benches for our schools and libraries from the recyclables we collect instead of sending them to a company that makes decking for profit from the plastics! Students then wrote 435 persuasive letters to Governor Murphy, Senator Singleton, and Congressman Andy Kim to ask them to come to our school and have a panel discussion with our Green Team about policies regarding the recycling of non-mandated plastics in our state. On April 17, 2023, Congressman Kim and Senator Singleton came to our school and students participated in a panel discussion with them about policy change and plastics in New Jersey. Students asked questions and listened as these government officials shared ideas with them. A video of the day was created that was shared in our virtual school newsletter with parents and at the school board meeting. Finally, Mrs. Kernan Cumiskey (Sustainability Co-Leader) was invited by Senator Singleton after the event to participate in a policy development meeting with his staff to facilitate a plastics recycling program for schools and community groups.

PDF: [PERSUASIVE LETTER WRITING LESSON FOR POLICY CHANGE](#)

WORD: [PICTURES OF THE LETTERS SENT AND PLASTICS COLLECTED - VIDEO LINK TO PANEL DISCUSSION](#)

WORD: [PANEL DISCUSSION PICTURES](#)

WORD: [SOCIAL NETWORKING AND NEWSPAPER ARTICLE](#)

WORD: [GOVERNMENT OFFICIALS CORRESPONDENCE](#)

Learning Environment

Outdoor Classroom

10 Points

School

Program Summary: This year, we are upgrading our Outdoor Classroom space which we started during the pandemic. We wrote a grant for GROWMOREGOOD this year, and won a grant for \$500 to build classroom community garden beds so that the teachers in school can cooperatively plant and grow their own classroom gardens at our Outdoor Classroom. The grant includes money for seeds, The lumber for 12 new (6'X4') beds, the soil to fill the raised beds, shovels, and live plants. Students will choose what plants to grow, and these beds will be added to the 4 (5'X5') garden beds we already have. We have used a Sustainability grant to purchase (4) cantilever umbrellas to provide shade over our picnic tables. We put in water plants this year that will prevent our new fish from being eaten by the birds that love to fish in our Outdoor Classroom. The students sign up on CANVAS on their Green Team course card to participate in the lessons. Teachers can bring their class to the Outdoor Classroom now for lessons by signing up on a Google doc (attached to this). We received a Delran Education Fund grant for \$500 to purchase books for teachers to use as mentor texts for possible lessons and activities, as well as links to possible activities online. At our Outdoor Classroom is a fruit and vegetable garden, a science station with a digital weather monitor that was donated by a group of parents, and a book house that will house all of the STEM books which we purchased with the grant from the DEF. Nature is incorporated by the new fish, which the students feed and care for. Students researched their care in one of our lesson periods and then we bought the food. Students test the water regularly to assess the PH levels for the fish environment.

PDF: [PICTURES OF STUDENTS AT THE OUTDOOR CLASSROOM](#)

WORD: [CURRICULUM MATERIALS FOR SOLACE OUTDOOR CLASSROOM PD](#)

PDF: [OUTDOOR CLASSROOM SIGN UP SHEET ON GOOGLE DOCS WITH SAMPLE SIGN-UPS FOR PD](#)

PDF: [GROWMOREGOOD GRANT FOR OUTDOOR CLASSROOM MATERIALS](#)

Student & Community Outreach

Green Team

15 Points

 Bronze Required School District

Program Summary: Since 2009, the Green Team at Millbridge became the precursor to all work being done throughout the district. As energy savings became an important district initiative, the Business Administrator, Dr. Chris Russo established the need for continuing to develop our sustainability goals. When Dr. Brian Brotschul, Superintendent of Schools, started in the summer of 2014, he also made it clear that Delran Schools would put human resource into our programs in sustainability. As a result, he developed a Sustainability Leader position, which incorporates two stipend positions for each of the four schools. The responsibilities of the Sustainability Leader include school level duties, as well as attendance and contribution in district wide initiatives. Professional development opportunities for these leaders has begun in earnest in the 2016-2017 school year. The community outreach and curricular connections being built by these leaders with our partners in administration, support services, food service (Nutriserve), and our Energy Savings Improvement Program, with Schneider Electric, have proven to be quite successful. The iteration between our leaders at the four schools, both cooperatively and competitively (such as our Energy Savings Week program), provides excitement and a new cultural experience in Delran. Additionally, all four schools maintain their own Annual Summary pages, websites and the district provides quarterly meetings for all important parties to collaborate. Each year, Sustainability Project Managers are chosen through a submission of intent to the building principal at each of the four schools. These eight individuals are Board approved in the spring meeting (May/June) each year, for the proceeding year. See the documentation for the meetings in the Annual Summaries- * The attached Board of Education approval for the Sustainability Project Managers for the year * The letter of support from Superintendent, Dr. Brian Brotschul * Delran Township Schools District Green Team Strategic Plan for the year * Two district level meetings with their presentations to all Green Team members * A BOE presentation from October of this year showing success of the teams and the work upcoming this year

PDF: [BOARDAPPROVALMINUTESSTEM.PDF](#)

PDF: [DELRAN GREEN TEAM LETTER 3_8_23.PDF](#)

IMAGE: [DELRANSTEMORG WEBSITE.JPG](#)

PDF: [DISTRICT GREEN TEAM STRATEGIC PLAN 2022-2023 \(1\).PDF](#)

PDF: [SUSTAINABLE JERSEY FOR SCHOOLS BRONZE LEVEL CERTIFICATION ACHIEVEMENT SHARED WITH THE COMMUNITY.PDF](#)

Community Education & Outreach

10 Points

 Bronze Priority  Silver Priority School

Program Summary: We held many community education and outreach activities this school year. First, we held our New Jersey Forestry Program. The 4th and 5th-grade students signed up on their Canvas Green Team course card to participate. They were the team leaders of this event in which they paired up with the Delran Green Team to help the third graders learn about planting their trees as well as helping them wrap their roots in wet paper towels and put them in paper bags to bring home to plant. The event was advertised through our Delran Intermediate School school newsletter and held during the school day for 100% attendance. Students were given their baby chestnut Oak trees to bring home with the directions. Also, we held Our DIS Showcase event for families in the evening. Teachers were invited to collaborate with students to help 150 families who came to school to plant flower seeds to bring home to have a natural insect repeller on their balcony or in their yard. Announcements were made, the flyer went home, and it was shared on our online newsletter in several languages to include all families. Students and their siblings were invited to plant Marigold seeds and watered them and brought them home. Finally, we held lessons and activities for Sun Safety. We coordinated with the American Academy of Dermatology and used their videos and activities to teach Sun Safety. At our District STEM Fair, students ran a booth to help community members make Sun Safety bracelets that turn color with the UV light from the sun. Students explained to families how the Sun Safety Bracelets would help protect them and remind them to apply Suntan Lotion when the beads turned color.

PDF: [2023 DIS SHOWCASE SIGNUP](#)

PDF: [PICTURES FROM THE DIS SHOWCASE FAMILY ENGAGEMENT NIGHT 2023](#)

PDF: [MONTHLY COURSE CARD ON CANVAS TO ADVERTISE GREEN TEAM ACTIVITIES](#)

PDF: [PICTURES FROM NJ FORESTRY TREE GIVEAWAY](#)

PDF: [PICTURES FROM THE SUN SAFETY LESSONS AND PRESENTATION AT THE STEM FAIR](#)

PDF: [STEM FAIR ADVERTISING FLYER - WHERE STUDENTS DID OUR SUN SAFETY PRESENTATION 2023](#)

Waste Reduction & Recycling

Recycling Non-Mandated Materials

5 Points

School

Program Summary: Our action consists of collecting and recycling #2 and #4 plastics throughout this year. We did this in conjunction with the NextTrex challenge. We advertised for the material through our district website and newsletters. The community participated by dropping off the recyclables at the school, and the children brought it in themselves on the bus! We also collaborated with the Delran Green Team who brought over recyclables from the township collecting spots such as the Municipal Center. The lunch ladies at the high school worked with us to collect the plastics from the high school students' lunches. Then we weighed all the material in the Nurse's office and brought it to Wegmans weekly, which was our designated drop-off point. The bins were ordered through NextTrex and they were supplied at no cost. We placed one bin at the entrance to each grade-level hallway. The two sustainability leaders for our school were responsible for transporting the bags to Wegmans. One month, we had to transport 17 bags! The end market is for Trex Decking to use the materials to make their decking materials for sale to the public. They pay for the transportation to

PDF: [TREX DECK POSTER](#)

PDF: [NEXTREX INFO](#)

WORD: [NON-MANDATED MATERIALS SUBMISSION TEMPLATE](#)

WORD: [PICTURES OF DIS PLASTICS COLLECTION](#)

WORD: SOCIAL MEDIA AND MATERIALS TO SPREAD THE WORD