

# Sustainability in Prisons Project Fiscal Year 2018 Annual Report



2017-2018 was a year of centering SPP's incarcerated and previously incarcerated partners by providing new educational programs and partnerships. Inside SPP programs, partners increased and formalized educational content and activities for several programs. We offered first-ever special events such as Astrobiology lectures and a day-long Climate Symposium (pictured above). Outside of prison, both SPP-Evergreen and WA Corrections took part in building coalitions and collaborations to bring more benefits to justice involved individuals. Photo by Ricky Osborne.



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## Sustainability in Prisons Project Fiscal Year 2018 Annual Report



*Cedar Creek Corrections Center (CCCC) Officers Epling and Kennedy survey the newly installed honeybee hives at McNeil Island. This new program represents collaboration among community beekeepers, staff and inmates from CCCC, Correctional Industries, and WA Departments of Natural Resources and Fish & Wildlife. Photo by Bethany Shepler.*

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*A prairie nursery technician sows native buckwheat seeds in to "cone-tainers" at Washington Corrections Center for Women. Photo by SPP-Evergreen staff.*



*Olympic Corrections Center staff describe their composting program to Joslyn Rose Trivett; they process the most organic waste of any prison in the state. Photo by Ricky Osborne.*

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## Executive Summary: Sustainability in Prisons Project, FY18

Fiscal year 2018 (FY18, July 1, 2017 – June 30, 2018) was another successful year for the [Sustainability in Prisons Project \(SPP\)](#). The SPP partnership was founded by [Washington Department of Corrections](#) (WA Corrections) and [The Evergreen State College](#) (Evergreen) in 2003, and has grown to include many collaborators. The full SPP annual report aims to acknowledge all contributing partners and describe all science, environmental education, and sustainability programs in WA prisons. This year, SPP partners reported **191 programs** and **158 partner organizations** statewide. Our executive summary highlights select FY18 programs, partnerships, and developments and goals for FY19 (July 1, 2018 – June 30, 2019).

**SPP Mission and Vision Statements:** Partners from Evergreen and WA Corrections engaged in several productive conversations, culminating in updates to [SPP's mission and vision statements](#). In addition, we set the stage for strategic planning with shared sessions on SPP branding, values, and program model.

**College Credit for SPP Certificated Internships:** Building on several years' work, we solidified a proposal to award college credit for SPP-certificated internships during incarceration. WA Corrections partners have offered strong support. We are working with Evergreen to identify a viable process for credit awards. In the interim, certificates will be reviewed for pre-determined credit awards post-release.

**Renewable power contracting:** WA Corrections contracted with [Avista's Solar Select](#) program to purchase 1.2 million kilowatt hours of green power annually to be produced by the state's largest solar installation project. WA Corrections is pleased to support development of clean, renewable energy.

**Coalition Building:** SPP-Evergreen staff have been investing in and building relationships among reentry experts, justice-involved students, corrections-involved programs, faculty, and administrators to bolster support for education and employment post-release.

**Gardening for Communities:** [Washington Corrections Center for Women](#) (WCCW), [Stafford Creek Corrections Center](#) (SCCC), [Washington Corrections Center](#) (WCC), and [Mission Creek Corrections Center for Women](#) (MCCCW) have new partnerships that increase their capacity to grow food for area food banks: [Kitsap Conservation District's](#) GRACE Project, [Mother Earth Farm](#), and [Harvest Now](#) give access to garden plots and vegetable seeds so that prisons can do more for their communities.

**SPP-Evergreen as College Service Center:** July 2017, the Evergreen Board of Trustees approved a proposal to change SPP's designation from a faculty project to a staff-led [Service Center](#). This designation recognizes SPP's service-based model and well-established partnerships.

**Partnership with WA Dept. of Transportation (WSDOT):** SPP initiated a promising partnership with [WSDOT Environmental Services](#); the shared goals are to provide education and training during incarceration and to reduce employment barriers for WSDOT career pathways post-release.

**Statewide Beekeeping:** The number of beekeeping programs and partnerships established to support them has increased significantly in a short period of time; there are now [13 healthy programs](#) supported by incarcerated beekeepers, corrections staff, and partners.

**Executive Order 18-01 State Efficiency and Environmental Performance:** WA Corrections helped develop, and is implementing the [Governor's Executive Order](#) for reduction of carbon emissions and toxic pollution produced by state government. Multiple WA Corrections staff serve on work teams to identify effective waste, emissions, and pollution reduction strategies.

**Astrobiology for the Incarcerated:** In partnership with [NASA](#) and [University of Utah](#), SPP offered astrobiology workshops in multiple prisons in Washington, Ohio, and Utah. Five special events were held in Washington prisons reaching over 450 incarcerated students and 52 corrections staff.

**Sheep Husbandry:** WA [Dept. of Fish and Wildlife](#) (WDFW), corrections staff, SPP-Evergreen, and partners launched a new Sheep Husbandry program at [Washington State Penitentiary](#) (WSP). The program aims to raise domestic sheep free of a pathogen that is lethal to wild bighorn sheep.

**Taylor's Checkerspot Butterfly:** It was an [outstanding year](#) for the program at MCCCW. Incarcerated technicians set a new record, yielding 8,000 butterfly eggs in one season. Also, they hosted many high-level visitors and toured [WDFW prairie sites](#).

## Anticipated Programs Highlights, FY19

Program/Project	Partners and facility	Planned outcomes
Enhanced curricula	MCC, SCCC, Oregon Food Bank, incarcerated students	New gardening curricula based on Seed to Supper; draft compost curricula for statewide programs; new resources for existing conservation programs
SPP certifications sheep, gardening, & composting	WSP, MCC, SCCC, WDFW, sheep husbandry experts, incarcerated students, Sustainability Fellow	New certifications with pre-determined college credit value for participants in sheep, gardening, and composting programs
Increased operations alignment	All facilities	Shared policies and protocols adopted by WA Corrections, SPP-Evergreen, and respective program partners for increased operations efficiency
WSDOT education, training & employment pilot projects	WSDOT, SCCC, Cedar Creek Corrections Center	New education and training, identified environmental career pathways, and increased outreach to potential participants
Publication in Princeton book	Incarcerated participants at most WA facilities	Draft essays for inclusion in national publication on science in prisons
Certifications and academic credit	All facilities and academic partners	One or more partnerships review and award academic credit for participation in select SPP certification programs
SPP Strategic Planning	SPP Advisory Panel and Evergreen leadership	Functional strategic plan to guide organization development

## Conclusion

Our collective accomplishments in FY18 are thanks to the contributions and expertise of many different organizations and individuals. Programs including diverse partnerships among incarcerated people, corrections staff, scientists, students, and program partners are having meaningful, positive impacts on complex environmental and social issues.

As we celebrate our successes, we are also mindful of challenges and the need for continual improvement. Partnerships require diligent attention to ensure all contributors feel valued and to recognize every partner's limitations. We remain committed to addressing all stakeholders' needs, fostering a culture of mutual respect, leveraging resources, and prioritizing initiatives best aligned with SPP goals. Together we are creating positive change for people and the environment.

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## 1. Background Information

This report provides information on [Sustainability in Prisons Project](#) (SPP) activities during Washington State fiscal year 2018 (FY18) which includes the period from July 1, 2017 through June 30, 2018. [Washington Department of Corrections](#) (WA Corrections) considers all sustainability initiatives in Washington (WA) prisons to be part of the SPP partnership regardless of which partner(s) leads and operates the program. The primary objective of this document is to update all collaborators and stakeholders on SPP-WA activities. This report represents the most complete information available with current reporting mechanisms.

Scientists, incarcerated people, students, prison staff, and community partners in all 12 Washington prisons work together to change lives and make positive contributions to people and the environment. For FY18, partners reported 191 programs and 158 partner/ally organizations. Working lists of all SPP-WA programs ([Appendix 1](#)) and partners ([Appendix 2](#)) are included to recognize the impressive diversity and number of opportunities offered. [Appendix 3](#) lists common abbreviations.

### SPP Mission

The Sustainability in Prisons Project (SPP) is a partnership founded by WA Corrections and [The Evergreen State College](#) (Evergreen). Our mission is to empower sustainable change by bringing nature, science, and environmental education into prisons.

### SPP Vision

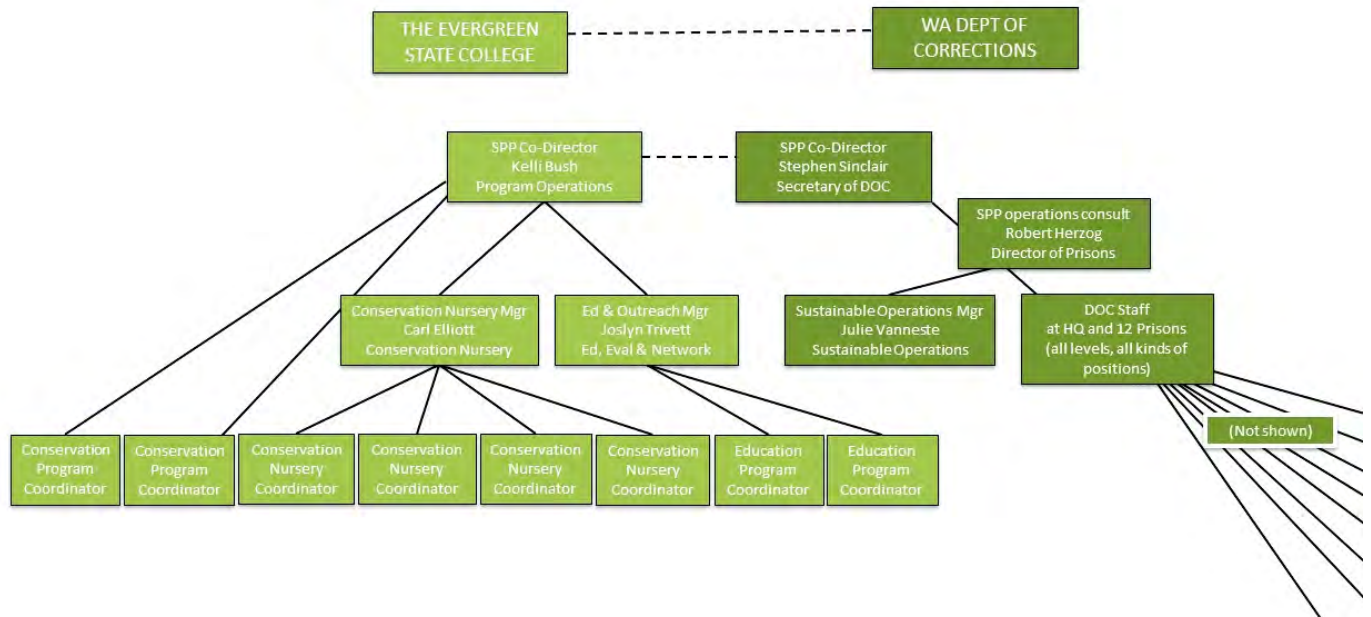
In response to the dual crises of ecological degradation and mass incarceration, we aim to reduce recidivism while improving human well-being and ecosystem health. SPP brings together incarcerated individuals, scientists, corrections staff, students, and program partners to promote education, conserve biodiversity, practice sustainability, and help build healthy communities. Together, we reduce the environmental, economic, and human costs of prisons.

### SPP Staff and Organization Chart

The organization chart in Figure 1 includes staff as of July 2018. This chart is limited to core staff at WA Corrections and Evergreen (SPP-Evergreen), only hinting at the many corrections staff involved; there are many more corrections, academic, conservation, and community organization staff contributing to program success. During this reporting period, SPP continued to be co-directed by Evergreen and WA Corrections. At Evergreen, long-time co-Director [Dr. Carri LeRoy](#) continued in her role until March, 2018 when [Kelli Bush](#) took on the position. [Mr. Steve Sinclair](#) represented WA Correction throughout the year, and Rob Herzog, Assistant Secretary for the Prisons Division, served as advisor to Evergreen on corrections operations. SPP leadership meetings are held quarterly.

Program Coordinator positions are staffed by Evergreen graduate students working 20 hours per week. Student-staff are typically recruited from the Evergreen Master of Environmental Studies and Master of Public Administration graduate programs, and work for two-year terms. Each summer several students complete their work with SPP and train new students to the positions. During the reporting period, 9 Program Coordinators worked for SPP: Alexandra James, Bethany Shepler, Keegan Curry, Jacob Meyers, Amanda Mintz, Jeanne Dodds, Hunter Henderson, Erin Lynam, and Jessica Brown. Former Program Coordinator Sadie Gilliom stayed with SPP through October, 2017 and worked on reentry resources and last year's annual report.





**Figure 1.** SPP Organizational Chart

## Partnerships

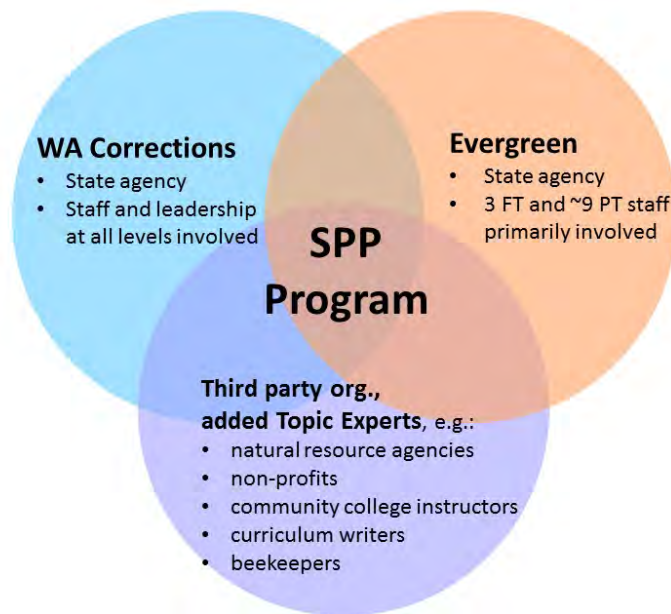


*The Roots of Success program at SCCC is a model of partnership, both within the prison—where staff, incarcerated instructors and students work together to make the program exceptional—and with partners outside the prison including SPP-Evergreen, Roots of Success' Director, and frequent visitors from near and far. Photo by Bethany Shepler.*

Partnerships and collaboration are an essential component of SPP work and nearly every SPP program. We continually work to identify new partners and mutually beneficial programs. A working list of SPP partnerships is included as [Appendix 2](#); during FY18 more than 157 different organizations contributed to SPP programs in WA.

At the programmatic level, the founding partners are often joined by one or more additional partners who bring vital expertise, resources, and/or abilities

to the program. Each partner is recognized for playing their role and the program is co-owned by all. Figure 2 (next page) offers an illustration.



- Programs started by all 3 kinds of partners
- Each partner plays essential role, has vital expertise
- Program owned by the partnership

**Figure 2.** SPP generalized program structure.

Roles played by each partner vary to fit the program focus and needs. In general, WA Corrections and partner organizations provide primary leadership for Sustainable Operations and Community Contribution programs, and Evergreen takes the lead on Environmental Education and Ecological Conservation programs. However, input and expertise from all stakeholders is critical to program success, and those communications are ever-present and ongoing.

## SPP Alignment with WA Corrections' Mission & Vision

From WA Corrections' [website](#):

**Mission:** To improve public safety

**Vision:** Working together for safe communities

The Department of Corrections is committed to the mission of improving public safety and working together for safe communities. A key value of the department is the belief in people's ability to grow and change. Through partnerships, SPP brings science and nature into the state's correctional facilities. These educational programs provide opportunities for incarcerated individuals to learn and achieve academic and vocational accomplishments. These beneficial skills can aid each participating individual in successfully reentering back into their respective communities. SPP assists in facility and community safety by offering positive, pro-social educational and training programs that reduce idleness; SPP programs help keep participants intellectually and physically active with meaningful and constructive opportunities.

## SPP Alignment with Evergreen's Five Foci

Evergreen's mission is best described by [The Five Foci of Learning](#). From Evergreen's website:

We believe the main purpose of a college is to promote student learning through:

1. **Interdisciplinary Study:** Students learn to pull together ideas and concepts from many subject areas, which enables them to tackle real-world issues in all their complexity.

2. **Collaborative Learning:** Students develop knowledge and skills through shared learning, rather than learning in isolation and in competition with others.
3. **Learning Across Significant Differences:** Students learn to recognize, respect, and bridge differences—critical skills in an increasingly diverse world.
4. **Personal Engagement:** Students develop their capacities to judge, speak, and act on the basis of their own reasoned beliefs.
5. **Linking Theory with Practical Applications:** Students understand abstract theories by applying them to projects and activities and by putting them into practice in real-world situations.

SPP engages incarcerated students and technicians, enrolled Evergreen students, faculty, corrections staff, and non-profit organizations in collaborative, interdisciplinary learning across differences. Our science and sustainability education programs are aligned with the social justice, diversity, environmental stewardship, and public service elements of Evergreen’s mission.

SPP’s [Environmental Education](#) and [Ecological Conservation](#) programs are coordinated by Evergreen graduate students whose experiences encompass and exemplify all five foci. Since 2009, SPP-Evergreen has employed 45 Evergreen students. Through SPP, the incarcerated participants of these programs also gain access to this model of learning, and thus share in the benefits of Evergreen’s innovative and effective approach. An increasing number of former SPP program participants are attending Evergreen post-release—contributing their valuable experiences, assets, and skills directly to the campus’ learning community.

## Advisory Panel

In FY18, SPP’s Advisory Panel was comprised of fourteen participants including SPP’s two co-directors. Panel members represent formerly incarcerated partners, corrections staff, conservation specialists, and education professionals. The [Advisory Panel](#) provides expertise, creative thinking, advice, and assistance with SPP initiatives and program development. Members of the Advisory Panel in FY18 were:

- Steve Sinclair, SPP-DOC Co-Director, Secretary Washington State DOC
- Kelli Bush, SPP-Evergreen Co-Director, The Evergreen State College
- Carri LeRoy, Member of the Faculty at Evergreen, Senior Science Advisor
- Kevin Francis, Master of Environmental Studies (MES) Program Director, Member of the Faculty at The Evergreen State College (Evergreen)
- Carolina Landa, undergraduate student in Environmental Studies and pre-law at Evergreen, former SPP Butterfly Technician
- Jim Lynch, Biologist, Joint Base Lewis-McChord (JBLM) Fish and Wildlife
- Sadie Gilliom, MES alum, former Turtle Conservation Program Coordinator
- Fawn Harris, MES alum, former Prairie Conservation Nursery Program Coordinator
- David McAvity, Academic Dean, Evergreen
- Eleanor Vernell, Deputy Director- Prisons Command B, Washington State DOC
- Mike Obenland, Superintendent, Monroe Correctional Complex, Washington State DOC
- Robert Herzog, Director of Prisons, Washington State DOC
- Reed Schuler, Senior Policy Advisor for Climate and Sustainability, Governor’s Office
- Liz Louie, Culinary Program Manager, Fare Start, former SPP Butterfly Technician

## Coalition Building

During the reporting period, SPP-Evergreen—now recognized as a Public Service Center for the college—forged stronger connections with other Evergreen centers, faculty, and students to better serve justice-involved people. This was largely thanks to the outreach efforts of a new student group at Evergreen, created and led by justice-involved students. The new group’s collaborative, strengths-based approach assisted in development of an informal coalition at Evergreen.



*WA Corrections and Evergreen partners and others learn about capabilities of Education Navigators from Gerald Bradford of Renton Technical College. Photo by Keegan Curry.*

## Washington State Policy

### Updates

In 2018, two pieces of Washington State legislation passed that should positively impact formerly incarcerated people. This legislation represents input from a broad range of stakeholders, including formerly incarcerated individuals:

1. House Bill 1298: On March 13th 2018, Governor Jay Inslee signed the Fair Chance Act into law. The Fair Chance Act, also known as “Ban the Box,” removes any question asking an individual about past convictions from employment applications. Removing this barrier opens up employment opportunities for justice-involved individuals. This is significant not only to formerly incarcerated individuals, but to their integration into Washington’s communities for the benefit of all.
2. Senate Bill 6582: This bill known as the Washington Fair Chance to Education Act, is an additional part of “Ban the Box”. This bill removes any question on a college application about one’s past criminal conviction.

### Staff Development: training, safety and security

Programs are operated in compliance with WA Corrections safety and security rules, SPP-Evergreen protocols for working in the prison environment, and partner protocols for work with plants and animals. All SPP-Evergreen staff complete required WA Corrections training. Security is a topic included on every SPP-Evergreen staff meeting agenda, which are held every two weeks. SPP-Evergreen staff have maintained our commitment to be adaptable to changing security needs including information technology, research, and facility operations.



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## 2. Budget

This section of the report addresses budget resources available to SPP-[Evergreen](#). The [Washington Department of Corrections](#) (WA Corrections) dedicates significant personnel time, funding, materials, and contract support for SPP-Evergreen—those critical contributions are not detailed here. While Evergreen does not provide direct funding for SPP, they make important contributions by providing space, payroll, access to students and faculty, human resource services, budget support, and more.

In FY18, SPP had approximately \$574,000 in funds available from 15 sources. Available funding included two contracts with WA Corrections that were spent on Washington State programs in accordance with contract requirements. Other funding sources include state and federal contracts, grants, foundation and private donations. Following a pattern of annual giving, SPP-Evergreen received another generous contribution from an anonymous donor at the [Seattle Foundation](#) in FY18. The donated funds have been awarded for SPP's general use initiatives and make a significant difference in the programming, outreach, and education available. In addition, SPP received a donation from [Lamb Weston](#) to establish pollinator resources and native plants at [Coyote Ridge Corrections Center](#) (CRCC).

The percentage of funding provided by individual sources varies from month to month as sources become available or close throughout the year. SPP staff continuously seek new funding and close out existing grants and contracts. In FY18, SPP-Evergreen staff were responsible for stewarding funds from 15 different sources (see Table 1). Regular budget reports were sent throughout the fiscal year including updates on current and pending grants, contracts, donations, and awards.

**Table 1.** SPP FY18 Grant and Contract Funding Requests (see [Appendix 3](#) for abbreviations)

Source	Program Area	Funding Type
DOC General FY 2018	SPP general	contract
DOC Green Track FY 2018	Roots and beekeeping	contract
JBLM Plant Production 2016/2017	Conservation nursery	contract
JBLM Plant Production 2017/2018	Conservation nursery	contract
JBLM Wetland 2017/2018	Wetland mats	contract
CNLM Plant Production 2016/2017	Conservation nursery	contract
CNLM Plant Production 2017/2018	Conservation Nursery	contract
US Fish & Wildlife Service	Wetland mats	grant
US Fish & Wildlife Service	Butterfly expansion	grant
WA Dept. Fish Wildlife 2018	Butterfly operation	contract
WA Dept. Fish Wildlife 2017	Butterfly operation	contract
NASA/Blue Marble	Astrobiology education	grant/contract
Seattle Foundation	SPP general	donation
Foundation Donations	SPP general	donation
Lamb Weston Donation- CRCC	Coyote Ridge native plant project	donation

The majority of SPP-WA's budget is dedicated to personnel expenses. A smaller but significant portion goes to program materials such as supplies, small infrastructure projects, scientific equipment, printed outreach, and prison libraries.

### 3. Environmental Education Programs

Education is integral to SPP's programs; our aim is to make the most of formal and informal opportunities for education and to offer new knowledge and new practice to inmates, staff, and partners. While our goal is to provide education within all SPP programs, education is the *central* focus of two Evergreen-led programs: [Environmental Workshop Series](#) (formerly the Science and Sustainability Lecture Series) and an environmental literacy course called [Roots of Success](#). Of course, education also is central to those community college programs related to nature and/or sustainability.

#### Academic Credit & Certifications

This past year, pursuing academic credit for SPP certificated internships became a central focus, and SPP-Evergreen's primary objective. While we have a reliable mechanism for awarding up to 15 [transfer credits](#) to certificate holders who enroll at Evergreen, that benefit is accessible to relatively few individuals and doesn't recognize the full potential of educational pathway development. SPP has heard from certificate recipients that credit awards during incarceration would provide important benefits, including encouragement and support for pursuing additional education post-release. This initiative recognizes existing, well-developed programming, requires no funding from Evergreen, and would result in increased student enrollment at Evergreen and other academic institutions. SPP remains committed to working with all partners to identify a mechanism for awarding credit for these valuable education programs during incarceration.



*Workshop series students at SCCC show off their certificates. Photo by Liliana Caughman.*

In FY18, Senior Science Advisor and Evergreen faculty member Dr. Carri LeRoy oversaw revision of all SPP certificates, resulting in improved program descriptions and clarified learning achievements. Also, we finalized and awarded certificates in two new programs: Composting Specialist at MCC, and Environmental Education Teaching Practicum for Roots of Success instructors who have taught three or more classes. In FY18, we awarded 113 SPP certificates that warrant consideration for college credit at Evergreen. Additional recognition certificates—not eligible for credit evaluation—were presented to students to acknowledge other program achievements.

**Table 2.** SPP Certificate Awards, all facilities, for FY18

Program	Certificate	Awarded FY18	Academic hours	Vocational hours
Environmental Workshop Series	Student at 20 or more lectures	19	30	0
Conservation Nurseries	Conservation Nursery Technician	2	30	270
	Conservation Nursery Specialist	18	60	740
Western Pond Turtle Care	Rehabilitation & Research Specialist	4	200	800
Taylor's Checkerspot Butterfly	Rearing & Research Specialist	5	540	960
Roots of Success (Instructors)	Teaching Practicum	65	150	0
Total Certificates Awarded FY18		113		
Total Certificates 2016-2018		226		

SPP facilitates certificate awards from outside organizations in two additional programs:

- Beekeepers are certified by [Washington State Beekeepers Association](#)
- Roots of Success students are certified by the organization [Roots of Success](#).

## Community College Courses

[Recent legislation](#) changes afforded Washington State community colleges more flexibility in providing two-year Associate degrees to incarcerated students. Their top priorities are adult basic education and vocational education.

In FY18, CCCC, OCC, WCC, and WCCW offered vocational horticultural classes. Those students gain access to classroom instruction and hands-on work in extensive gardens. At CCCC, students receive instruction from [Centralia College](#). Horticulture graduates from that program may be hired as Teaching Assistants who largely oversee the greenhouses, aquaponics program, and vegetable and fruit production areas. At WCC, students with cognitive challenges receive horticulture and literacy education provided by a Centralia College instructor. They also participate in



*Peninsula College horticulture student Mark Case talks about what he's learned in the program at OCC. Photo by Bethany Shepler.*

SPP's [conservation nursery](#), producing seeds of a prairie violet essential to rare and endangered butterflies in the region. WCCW's students are provided education and training by [Tacoma Community College](#). These students have access to diverse specialties such as flower arrangements, cultivating house plants, and farming. OCC's students receive education from [Peninsula College](#) to gain skills and knowledge working through a variety of stations such as aquaponics, container gardens, and grafting.

Through a partnership with Peninsula College, OCC also offers Green Building and Carpentry, with an emphasis on small-footprint structures that are affordable to build and maintain. Other facilities have vocational building programs that include green building modules. Carpentry programs at WCC, CCCC, and SCCC have engaged in new partnerships to start building tiny homes for the [Low Income Housing Institute](#); the partnership was initiated by Centralia College, and at SCCC has been embraced by Correctional Industries and the carpentry shop. These same carpentry programs have taken on other sustainability-related projects as well, building bird boxes, bus stops, and planter boxes for community organizations.



## Environmental Engagement Workshop Series

Since 2009, we have offered at least 239 lectures and workshops in six prisons from 222 scientists and practitioners representing 94 agencies, businesses, and schools. We have recorded 2,598 incarcerated students from the two main sites: 1,358 from SCCC and 1,240 from WCCW. Adding known students from other facilities and years, we estimate at least 3,000 incarcerated students have attended the workshop series. Most of those students have attended multiple presentations.



*The Climate Symposium at SCCC was widely attended, and the event was both inspiring and effective. Photo by Ricky Osborne.*

Fiscal Year 2018 highlights include:

- SCCC and SPP-Evergreen hosted the first ever Climate Change Symposium in a prison. This event was a huge success, bringing together 91 students, eight SPP-Evergreen staff members, five guest speakers, and five corrections staff. Participants were inspired to take part in climate justice and resilience.
- In May 2018, partners re-launched the Workshop Series at WCC. This time, Evergreen will play a greater role, as compared to earlier effort in 2016-17. The first workshops were well-attended and received by students and WCC staff. WCC leadership and Evergreen staff were delighted to renew the effort.
- Carolina Landa, SPP Advisory Panel member, current Evergreen student, and former Butterfly Technician, led two workshops on the Taylor's checkerspot program at MCCCW. The first was at WCCW, where she co-presented with Keegan Curry; the second was at MCCCW, and also included contributions from the current butterfly technicians. Carolina said about the experience: "I felt so humbled to be there with the women. This was truly a full circle moment."



*WCC students and staff listening to Max Calloway's workshop about Kelp Forests; after the workshop, Superintendent White stated, "The presenter was EXCELLENT!" Photo by Erin Lynam.*

FY18 attendance of the Workshop/Lecture Series was strong at SCCC, promising at WCC, and somewhat reduced at WCCW. Specific attendance and topics are detailed in Table 3.



**Table 3.** Workshop series attendance statewide, FY18 (see [Appendix 3](#) for abbreviations)

<b>Workshop Series at Stafford Creek Corrections Center (SCCC)</b>			
<b>Date</b>	<b>Presenter(s)</b>	<b>Topic</b>	<b>Attendance</b>
7/20/17	Drissia Ras	Friendly Water	62
8/17/17	Laurie Pyne	Beekeeping and Honey Tasting	94
9/21/17	Peter Robinson	Perception	92
10/19/17	Erin Lynam and Joslyn Rose Trivett	Climate Change Symposium Debrief	52
11/16/17	Barbara Kincaid and Bobby Coleman	Housing Panel	77
12/21/17	Vincent Perez	Mental Models	72
1/18/18	Scott Morgan	Tiny Homes and Green Houses	87
2/15/18	Max Calloway	Kelp Forests	67
3/15/18	Kevin Francis	Legal Models for Climate Science	62
4/19/18	Sharon Wallace	GMOs: People and Pets	59
5/17/18	John Messina	Mycology	59
6/21/18	Bethany Shepler	Elwha Dam	71
Total			854
<b>Workshop Series at Washington Corrections Center for Women (WCCW)</b>			
<b>Date</b>	<b>Presenter(s)</b>	<b>Topic</b>	<b>Attendance</b>
8/1/17	Cathy Bradley	Washington Conservation Corps and Plant Identification	17
10/3/17	Nicole Arroyo	Vaccination/Immunology	8
11/7/17	Jeanne Dodds	Nature Drawing	18
12/5/17	Jacques White	Long Live The Kings	23
1/6/18	Sadie Gilliom	Animal Husbandry	26
2/6/18	Carolina Landa & Keegan Curry	Taylor Checkerspot Butterfly	42
3/5/18	Fiona Edwards & Dennis Buckingham	JBLM Wildlife	39
4/3/18	Max Calloway	Kelp Forest	27
5/1/18	Miranda Mellis	Nature Writing	27
6/5/18	Bethany Shepler	Elwha Dam	23
Total			250
<b>Workshop Series at Washington Corrections Center (WCC) – program launch on 5/23/18</b>			
<b>Date</b>	<b>Presenter</b>	<b>Topic</b>	<b>Attendance</b>
5/23/18	Max Calloway	Kelp Forests	27
6/27/18	Carl Elliott	South Salish Prairie Lowlands	30
Total			57
<b>Sustainability Lecture Series at Coyote Ridge Corrections Center (CRCC) – Sustainable Movie and Discussion/Debate</b>			
<b>Date</b>	<b>Presenter</b>	<b>Title/topic</b>	<b>Attendance</b>
11/30/2017	NA	A Plastic Ocean	22
3/28/2018	NA	Solar Energy	46
6/14/2018	NA	Sustainable	50
Total			118

<b>Workshop Series Special Events at Stafford Creek Corrections Center (SCCC) and Mission Creek Corrections Center for Women (MCCCW)</b>			
<b>Date</b>	<b>Presenter(s)</b>	<b>Title/topic</b>	<b>Attendance</b>
10/18/18	Got Green & Thurston Regional Planning Council (TRPC)	Climate Change Symposium at SCCC	91
3/20/18	Carolina Landa and MCCCW Butterfly Technicians	Taylor Checkerspot Butterfly at MCCCW	30
Statewide Total FY18			1400

The series offers three levels of certification for attendance of 5 sessions, 10 sessions, and 20 or more. Level 3 certificates have been successfully recognized as transfer credit for admitted students at Evergreen. Certificates awarded since 2014 and in FY18 are detailed in Table 4.

**Table 4.** Students Eligible for Lecture Series Certification (see [Appendix 3](#) for abbreviations)

<b>Facility</b>	<b>Certificate</b>	<b>Awarded since 2014</b>	<b>Awarded FY18</b>
SCCC	Level 1 – 5 or more lectures	324	63
	Level 2 – 10 or more lectures	152	36
	Level 3 – 20 or more lectures (including two DOC staff members)	54	19
WCCW	Level 1 – 5 or more lectures	156	11
	Level 2 – 10 or more lectures	35	4
	Level 3 – 20 or more lectures	9	2
<b>Total</b>		<b>730</b>	<b>135</b>

## Astrobiology Lecture Series

SPP partners hosted five astrobiology presentations during the reporting period. These presentations were very similar to the format and style of our Workshop Series, described above. However, they were hosted by prisons that do not have a workshop or lecture series currently, and were promoted as high-profile special events. Each event was 2-3 hours in duration, allowing for a high quality and in depth exploration of the topic.



*Students at MCC-TRU were fully attentive to the astrobiology presentation, and they asked particularly insightful and interesting questions of the visiting experts. Photo by Joslyn Rose Trivett.*

These events were part of a national program called Astrobiology for the Incarcerated (AfI), a partnership co-founded by [NASA's Astrobiology Program](#), the [Initiative to Bring Science Programs to the](#)

[Incarcerated](#) (INSPIRE) at the University of Utah, and SPP-Evergreen. WA events are summarized in Table 5, below. See the [Network](#) section for the overview of nationwide activities and events.

**Table 5.** *Astrobiology for the Incarcerated events in Washington State* (see [Appendix 3](#) for abbreviations)

Prison	Date	Presenter(s)	Topic	Attendance: Inmates	Attendance: DOC staff
MCCCW	4/14/18	Daniella Scalice, NASA Astrobiology Program Dr Drew Gorman-Lewis, Associate Professor in the Earth and Space Sciences, University of Washington	Astrobiology: the study of how stars and planets form, how that relates to life here on Earth, and the search for life elsewhere in the Universe.	140	4
CCCC	4/14/18			90	6
MCC-TRU	4/16/18			90	6
MCC-WSR	4/16/18			32	14
AHCC	4/17/18			100	22
<b>Total</b>				450	52

## Roots of Success

Roots of Success is an environmental curriculum developed by Dr. Raquel Pinderhughes, Professor of Urban Studies & Planning at San Francisco State University (more at [rootsofsuccess.org](http://rootsofsuccess.org)). WA Corrections began offering the program in July 2013, and interest and availability of the program has grown steadily since. Staff and inmate responses to the program content have been very positive.

The program is delivered by inmates certified as instructors, a model we have found effective and satisfying among students, instructors, and staff sponsors. We have five incarcerated Roots of Success instructors certified by Dr. Pinderhughes to train and award certification to other program instructors, known as Master Trainers.



*The Roots of Success team—instructors and staff liaisons—at CRCC stands for a photo. Photo by Bethany Shepler.*

SPP currently supports nine active, full-curriculum programs: AHCC, CBCC, CRCC, LCC, MCC-WSR, MCCCW, SCCC, WCC, and WSP. In addition, there is a condensed curriculum program for inmates involved with CI at CRCC. **Since the start of the program in 2013, 1,291 students have received certification for all ten modules of the curriculum**, and 122 CI students have been certified for the condensed curriculum. Details for FY18 are shown in the following table.

**Table 6.** Summary of Roots of Success Graduates of full curriculum for FY18. (see [Appendix 3](#) for abbreviations)

Facility	Number of cohorts	Graduates	Instructors	Staff sponsors
AHCC	2	20	Richard Boothby and Charles Roark	Monica Cantrell and Robert Mackey
CBCC	1	4	Tronie Young and Felix Sitthivong	Stephanie Stone
CRCC	3	24	Jonathan Bolden, Michael Johnson, Ivory Berube, Jason Connelly	Gena Brock
LCC	3	11	Brian Winters, Johnny Hudson	Zack Wilcox and Caitlin Ribera
MCC-WSR	2	10	Eugene Youngblood	Keith La Munyon, Anthony Robinson, and Jeffrey Swan
SCCC	6	66	David Duhaime, Grady Mitchell, Cyril Walrond, Carlos Bernardez, and Steven Allgoewer	Kelly Peterson
WSP	2	30	Michael Oakes, Kieth Parkins, George Whipple	Chris McGill
<b>Total for all facilities</b>	<b>19</b>	<b>165</b>		
<b>Total grads since beginning</b>	<b>87</b>	<b>1291</b>		
Note: all Roots graduates receive a graduation certificate from Roots of Success.				

**Table 7.** Summary of Roots of Success Graduates of condensed curriculum for FY18.

Facility	Number of cohorts	Graduates	Instructors	Staff sponsors
CRCC	3	30	Matthew Oden and Julian Reyes	Tara Proctor
MCC	1	12	Jeffrey Foxx	Jessica Lawson
<b>Total for all facilities</b>	<b>4</b>	<b>42</b>		
<b>Total grads since beginning</b>		<b>176</b>		
Note: all Roots graduates receive a graduation certificate from Roots of Success.				

It was a challenging year for the Roots program. By the end of the reporting period, partners made substantial headway in meeting these challenges, and a few remained. A summary:

- A computer use policy brought to light late in 2017 showed several programs as out of compliance. Most sites successfully transitioned from PowerPoint slideshows on a computer to DVD delivery.
- WA Corrections research office reviewed the Roots program evaluation surveys. While these materials were reviewed and approved at program inception, current staff found causes for concern, and directed immediate suspension of those surveys. SPP-Evergreen facilitated survey revision, and those updates were approved near the start of FY19.
- Following investment in a women's instructor training, both women's facilities have been slow to re-start the program. Near the end of FY18, MCCCW re-initiated the program. WCCW and SPP-Evergreen planned a meeting to address needs and create a plan for the summer of 2018.



- There were no new instructor trainings this past year, and a few programs faced instructor shortages as a result. In the previous four years of the program, 109 incarcerated individuals have been certified as Roots instructors.

A success of the previous year was launching an SPP certification for Roots of Success instructors who have taught three or more classes. Each Teaching Practicum certificate represents academic achievement equivalent to 5 transfer credits for enrolled Evergreen students. An instructor may receive up to 3 certificates. **In the first set of Teaching Practicum certificate awards, 65 certificates went to 35 individuals at 9 prisons.**

## Creating and Piloting New Curricula

With the increased focus on SPP certification, SPP partners have invested more energy into enhancing existing curricula, and creating new ones.

### Composting Certificate

MCC's new composting certification recognizes achievements in a curriculum that was largely technician-created and peer-taught. While this is far from a conventional educational model, there is no question that students who complete the assignments and assessments are worthy of academic recognition. This home-grown success, so to speak, has emboldened partners—locally and in other facilities—to take on creation of additional curricula.



*Curriculum development and certification benefitted from inputs of many partners; the work was led by the most experienced composting technicians and supported by Tilth Alliance, SPP-Evergreen, and MCC leadership and staff. Photo by Sadie Gilliom.*

## Ecological Conservation Programs

In SPP's conservation programs, SPP-Evergreen staff began a process of formalizing and standardizing each program's learning objectives and educational materials. Our hope is that these efforts will support greater access to high quality, engaging academic teaching plans and content, for the benefit of current and future program coordinators and participants.

### Seed to Supper

Partners at SCCC continued to make good use of [OR Food Bank's Seed to Supper](#); **65 students have completed the program so far**, and it has been well liked and received. Current plans are to expand on this curricula, adding sections and expansions on topics of greatest interest to participants. We hope that this "expanded Seed to Supper" will become a gardening curriculum that we can offer to all gardening programs in western Washington, if not statewide.

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## 4. Ecological Conservation Programs

SPP conservation programs represent ambitious collaborations among multiple partners. Each program receives crucial support from a variety of contributors including incarcerated people, corrections staff, students, SPP staff, scientists, and community partners. Program success is dependent on each participant contributing their expertise and time. Programs are designed to maximize benefits for each collaborator by sharing workload and leveraging resources.

### Biological Science Programs at LCC and CCCC: Western Pond Turtles, Woodpecker Nest Monitoring, and Aquaponics

During the past year, partners added two new programs to complement the Western Pond Turtle program. New partnerships brought Woodpecker Nest Monitoring to CCCC (and will soon add it to LCC as well), and an aquaponics system for greens production to CCCC. Turtle Technician positions have been renamed Biological Science Technicians to reflect the wider range of education, training, and duties required for the position.

#### Western Pond Turtle Program

The western pond turtle (*Actinemys marmorata*) is a state-listed endangered species and federal species of concern. Led by [Washington Department of Fish and Wildlife](#) (WDFW), partners have been working toward species recovery since the late 1990s. At the start of recovery efforts, approximately 150 turtles remained in the wild in Washington.

In 2013, SPP joined the effort specifically to assist with the rehabilitation of turtles afflicted with a “shell disease.” Affected turtles require a period of acute care provided by veterinarians. After receiving veterinary care, some turtles from the Salish lowland population are moved to Cedar Creek Corrections Center (CCCC, 2013) and some turtles from the Columbia Gorge population are moved to Larch Corrections Center (LCC, 2015). Turtles at CCCC and LCC receive extended care provided by trained incarcerated technicians. As each turtle heals, it can be released back into the wild (Tables 8 & 9) where they are monitored by WDFW.

Technicians also receive a wide variety of science and sustainability education and training (Table 10). Education, training, and experience in the program is acknowledged with a certificate eligible for limited college credit at Evergreen post-release. Since the program started, 13 certificates have been awarded to technicians (Table 10), six graduate students have provided program coordination, and seven corrections staff have served as liaisons. Community partners for these programs include WDFW, [PAWS Wildlife Rehabilitation Center](#), [Woodland Park Zoo](#) (WPZ), and [Oregon Zoo](#) (OR Zoo).

**Table 8.** Western Pond Turtle Rehabilitation at CCCC, August 2013 - September 2018

Year	Turtles Received	Turtles Released
2013	8	2
2014 <sup>i</sup>	28	28
2015	8 <sup>ii</sup>	6
2016	9 <sup>iii</sup>	5
2017	4 <sup>iv</sup>	10
2018	9	9
<b>Total</b>	<b>66</b>	<b>60<sup>v</sup></b>

Notes	i Differs from reported 2016 totals due to the addition of previously missing data ii 7 of 8 turtles were being re-treated iii One of these was humanely euthanized due to a neurological abnormality iv 3 of 4 turtles were being re-treated v 4 turtles were sent back to PAWs for exams and 1 was euthanized
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**Table 9.** Western Pond Turtle Rehabilitation at LCC, December 2015- September 2018

Year	Turtles Received	Turtles Released
2015	5	0
2016	11	9
2017	5	12
2018	11	11
<b>Total</b>	<b>32</b>	<b>32</b>

### Woodpecker Nest Monitoring Project



*Adam MLady, Biological Science Technician reviewing woodpecker nest videos. Photo by Jessica Brown.*

In 2017, SPP began a woodpecker nest monitoring project with biologists from the [U.S. Forest Service](#) at CCCC. Other participants in this project include enrolled college students at several academic institutions. The primary goal of the research program is to learn more about a keystone species of woodpecker nesting in the western U.S. The program involves monitoring video footage of activity at 85 woodpecker nesting sites. Since 2014, biologists have collected about 32,000 hours of video footage that requires review through human observation to document woodpecker nesting ecology, behavior, and potential predator activity. Information will help state and federal landowners and researchers in Washington, Oregon, Idaho, and California to identify actions to that may increase woodpecker nesting opportunities and contribute to forest health.

The project at CCCC began in November 2017 with a 2-day training provided by Teresa Lorenz and Philip Fischer of the U.S.

Forest Service. The training was attended by 11 incarcerated individuals including turtle technicians. Following the training, technicians have included a few hours of woodpecker nest video review into their daily work routine. Their observational data has been an integral part of the woodpecker research study and provides valuable education and training.

### Aquaponics Program

In FY18, CCCC also added a small-scale aquaponics system through partnership with [Symbiotic Cycles](#) and SPP-Evergreen. Construction and installation of the system was conducted by Symbiotic Cycles with

help from CCCC turtle technicians and horticulture students. March 2017, Symbiotic Cycles staff provided a 2-day training for 8 incarcerated students. The students learned about sustainable food systems, soil chemistry, the decline of vital nutrients in most industrial crops, and wasteful overuse of freshwater resources. Aquaponics offers a unique solution to these issues by creating a “closed-loop” of recycled water and converting nutrients from fish waste and bacterial respiration into a rich growing environment. The goal of the aquaponics project is to teach technicians the value of sustainable food systems as well as provide nutrient-rich leafy greens to the CCCC kitchen.

**Table 10.** Program Education FY18 (see [Appendix 3](#) for abbreviations)

Session (30-90 minutes)	Number of Sessions	Incarcerated Attendees	WA Corrections Staff Attendees	SPP Staff Attendees
<b>CCCC</b>				
Woodpecker Nest Monitoring Training	3	11	1	1
Science Journal Readings	6	3-5	1	1
Science Article Discussions	12	5	1	1
Aquaponics Training	1	8	1	1
Turtle Field Work Field Trip	1	2	1	1
<b>LCC</b>				
Western Pond Turtle Presentation	1	9	7	2
Science Journal Readings	6	2	1	1
Science Article Discussions	2	3	1	1
Turtle Field Work Field Trip	1	2	1	1
Total education sessions	33			
<b>Certificates Awarded</b>	<b>Number of Recipients</b>			
Rehabilitation and Research Specialist, over 1,000 hours	4			

## Sheep Conservation Program

Historically, bighorn sheep were widespread in western North America. By the turn of the 20th century, populations had dwindled to near extinction, and recovery efforts were needed to bring them back from the brink. Today, the biggest threat to bighorn sheep is pneumonia triggered by a bacteria called *Mycoplasma ovipneumoniae*, or *M. ovi* for short. The bacteria are commonly carried by domestic sheep and goats. Raising *M. ovi*-free domestic sheep can protect wild bighorn sheep from the devastating pathogen. Currently, there are no private domestic sheep breeders that specialize in raising *M. ovi*-free animals.

In 2015, WDFW introduced Sustainability in Prisons Project (SPP) leadership to the idea of a pilot program to breed *M. ovi*-free domestic sheep. In Spring 2018, the ewes in the program gave birth to 28 lambs; 9 females and 19 males. Program partners include WDFW, SPP partners at WA Corrections and [Evergreen](#), and local sheep



*An incarcerated technician holds a lamb birthed in the program at WSP.  
Photo by Kelli Bush.*



husbandry experts. All animals in the new flock were tested for the *M. ovi* pathogen prior to arrival and [Washington State University](#) provides pathogen testing and program guidance.

The program had a successful inaugural season. Program findings and protocols will be shared broadly including with privately-operated breeders who may want to join the effort. Incarcerated participants completed day-to-day sheep care tasks and received education and training on sheep husbandry, lambing, and bighorn sheep ecology. We are still developing protocols, education materials, program certificates, and refining practices to develop a viable source of *M. ovi*-free animals available to small domestic flock managers. Together, all partners are playing key roles in making this collaboration a success.

## Sagebrush Conservation Nursery

During calendar years 2015-2017, sagebrush conservation nurseries were operated in partnership with the [Institute for Applied Ecology](#) (IAE) and the [Bureau of Land Management](#) (BLM). Plants were grown to help restore habitat for the greater sage-grouse with most installed on wildfire sites. CRCC was the first WA facility to host the program and WSP was added in 2017. Both Washington State programs have since been discontinued. Sagebrush in Prisons nurseries continue to thrive under IAE leadership in Oregon, Idaho, Nevada, Utah, and Montana—states with vast tracts of BLM acreage. The WA program delivered approximately 22,000 sagebrush in the final 2017 season and provided about 68,000 plants over the three seasons of the program.

## Prairie Conservation Nursery Programs

Primary funding support for the Prairie Conservation Nurseries comes from [Joint Base Lewis-McChord](#) (JBLM), [Center for Natural Lands Management](#) (CNLM), and WA Corrections. Plant materials produced by SPP's prairie conservation nurseries are used by state and federal agencies and conservation organizations including the [U.S. Fish and Wildlife Service](#) (USFW), JBLM, WDFW, [WA Dept. of Natural Resources](#) (DNR), and CNLM. Our nurseries will curate and supply plant material from Oregon to southern British Columbia.

### Prairie Plant-Plug Production

The SPP nursery sites have an annual combined sowing capacity of 520,000 plugs, and can produce up to 300,000 viable plant-plugs annually. This year, the nursery delivered 183,157 plant plugs of 62 species for Taylor's checkerspot recovery and lowland prairie restoration; see Table 11 for more information. The conservation nursery program is actively working to identify new education and training opportunities and recruiting other cultivation contracts to fill our under-



*Volunteers from SPP-Evergreen joined the WCCW prairie nursery crew for a seed sowing work party to help catch up on time lost to lock downs. Photo by Joslyn Rose Trivett.*

utilized capacity. **Cumulatively, the nurseries have delivered more than 2.5 million plant-plugs since 2009.**

Plant-plug production remains a vital component of the regional recovery plan for Taylor's checkerspot butterflies. However, direct seeding has become the *primary* method of habitat restoration. Starting in 2016, the majority of SPP plant-plug production was to supply seed nurseries. As a result of reduced plug production, plug production was concentrated at SCCC and WCCW; these facilities provide the greatest opportunities for incarcerated technician education within the nursery programs.

**Table 11.** Conservation Nursery Regional Plug Summary, delivered FY18 (see [Appendix 3](#) for abbreviations)

	# of species	Plants
<b>Total SCCC</b>	48	91,311
<b>Total WCCW</b>	41	91,845
<b>Total Sown</b>	67	374,722
<b>Total Delivered</b>	<b>62</b>	<b>183,157</b>
<b>Total Requested</b>	67	233,944
<b>Percent Delivered of Requested</b>		78%

### Prairie Seed Gardens

SPP cultivated plants for seed at WCC and WCCW. Seed production in a corrections setting has proven successful for species poorly adapted to mechanical agriculture techniques. The seed production gardens at WCC produced over 11 lbs. of early blue violet seed from 3456 sq. ft.; their harvest rate was more than three times the harvest rate of other regional seed nurseries.

SPP has been so successful at cultivating early blue violet that USFWS has asked us to add seed production for silverspot butterfly (*Speyeria zerene hippolyta*) recovery, growing early blue violet seed from the Oregon coast. Eight garden beds were planted at WCCW during 2018 with early blue violet plants from Oregon coast genetic stock. Additionally, WCC has been asked to cultivate 6 new species in their garden beds. All will lend themselves to diligent hand cultivation.

We are now the only source of production for early blue violet in the Western U.S. The continued success of the seed gardens presents an excellent opportunity for WA Corrections to contribute to conservation, and provide ecological education for program technicians.



*Technician Morris Talaga surveys the seed beds in the world's largest native violet nursery, at WCC. Photo by Alex James.*

### Emergent Pre-Vegetated Mat (EVM) Production

The EVM program is a research collaboration among CNLM, WDFW, and JBLM which began with the primary objective to restore habitat for the Oregon spotted frog. A two-year grant was provided by the

USFWS to help fund the project. Critical funding support has also been provided by JBLM, WA Corrections, and SPP-Evergreen's Foundation donations.

The goal is to develop a pre-vegetated emergent plant mat that will effectively suppress weeds and enhance establishment of native vegetation. In FY18, we delivered 111 mats to three Oregon spotted frog habitat experimental sites. Monitoring for plant establishment and weed suppression will occur over a 2-year period to test the efficacy of the EVM.



*Partners view the systems inside the EVM greenhouse. Photo by Ricky Osborne.*

As part of her Master's Thesis, EVM Coordinator Amanda Mintz quantified the effects of using compost tea as a nutrient supplement for the pre-vegetated mats; results will be available late fall 2018. The technical accomplishments of the project thus far bode well for positive results from this new ecological restoration technique. The USFWS have been active in finding new regional partners to support ongoing production of mats; these include tribal nations as well as smaller, regional land trusts. The Washington State Department of Transportation has also shown strong interest in partnering with SPP to connect EVM technicians to related job training and employment opportunities post-incarceration.

## All Conservation Nurseries, Training and Education

SPP's Conservation Nursery Program Coordinators provide frequent guidance and education to inmate technicians. They serve as the primary liaisons between partners, including the WA Corrections staff that supervise and counsel the inmates. In FY18, the students focused on providing unique and relevant education for the programs and their efforts had superb results. Lectures and workshops offered within the conservation nursery programs are detailed in Table 12.

**Table 12.** Prairie Conservation Nursery Education and Certification, FY18 (see [Appendix 3](#) for abbreviations)

Sessions (30-90 minutes)	Number of Sessions	Attendees
<b>SCCC Conservation Nursery</b>		
Soil rhizosphere workshop	1	14
Insect pest management workshop	3	14
Sustainable agriculture	1	12
Scientific method workshop	2	11
Weed identification	1	10
Journal article seminar	1	8
Sowing workshop	2	12
Wetland ecology/plant ID	1	12
Ecology basics lecture	2	8
Botany basics lecture	1	11

Endangered species lecture	1	14
<b>SCCC Prairie sub-total</b>	<b>16</b>	
<b>Seed to Supper</b>	11	100 (estimate)
<b>SCCC EVM</b>		
NW Earth Institute seminars: Seeing in Systems	7	3
Plant I.D. and ecology workshops	2	2
Insect pest management	1	2
Phytophthora monitoring	1	2
Data collection workshops	3	3
General aquaponics	1	3
Writing/reflection	2	3
Sowing workshop	2	3
Compost tea workshop	2	4
<b>SCCC EVM sub-total</b>	<b>21</b>	
<b>WCCW Conservation Nursery</b>		
What is nature workshop	2	2
Writing workshop	1	2
Plant I.D. and ecology workshop	2	5
Irrigation workshop	1	5
Prairie plant sowing and care	3	6
Prairie paper seminar	1	3
Wild seed processing lecture	1	2
Pest management workshop	2	4
<b>WCCW CvN sub-total</b>	<b>13</b>	
<b>WCC Prairie Seed Garden</b>		
Botany Basics & Plant Identification	6	10
Watering Procedures & Irrigation	2	13
Horticulture Harvesting	2	7
Seed Sowing & Sowing Techniques	2	11
Writing Workshop	2	15
Art Workshop	4	30
Integrated Pest Management	1	17
Constructing Herbariums	1	5
Designing a Garden	1	5
Aquaponics	1	5
<i>Viola adunca</i> care	1	7
Ecology and restoration	8	30
Scientific methods	3	11
South Sound Prairies	2	12
Careers	1	11
<b>WCC Seed sub-total</b>	<b>37</b>	
<b>Total education sessions</b>	<b>77</b>	
<b>Certificates Awarded</b>	<b>Technician 400 hrs</b>	<b>Specialist 800 hrs</b>
<b>SCCC Prairie Conservation Nursery</b>	0	8
<b>SCCC Emergent Vegetated Mats</b>	0	2
<b>WCCW Prairie Conservation Nursery</b>	0	4
<b>WCC Prairie Seed Garden</b>	2	4
<b>Certificate Totals</b>	2	18



## Animal Feed Programs

Several prisons raise high quality feed for animals in the care of zoos and SPP programs. The most prominent of these are the Plantain Programs. Narrow leaf plantain (*Plantago lanceolata*) beds at MCCCW and at LCC provided larval food for [Taylor's checkerspot butterfly rearing programs](#) at OR Zoo and MCCCW. Technicians cultivate and harvest plantain leaves during the growing season. LCC staff provided vital support for larval food transportation and logistics for OR Zoo. Additionally, WA Corrections staff supported Oregon Zoo research into plantain nutritional analysis. LCC shipped a total of 13,700 leaves of plantain to the OR Zoo for Taylor's checkerspot rearing in 2018. Plantain harvested at MCCCW was used for the butterfly program on site.



*LCC technicians grow plantain to feed Taylor's checkerspot butterflies at the OR Zoo and MCCCW. Photo by Keegan Curry.*

A summary of animal feed programs is provided below.

**Table 13.** SPP programs providing food for captive animals (see [Appendix 3](#) for abbreviations)

Food source	Facilities	Recipients
Mealworms	LCC, CCCC, and SCCC	Western pond turtles and koi in prison facilities
Plantain	LCC	OR Zoo's Taylor's checkerspot rearing program
Plantain & Nectar Plants	MCCCW	Taylor's checkerspot rearing program at MCCCW, in collaboration with OR Zoo

## Honeybee Programs

Honeybee programs are an ongoing priority for SPP. These programs provide meaningful education and therapeutic activities for incarcerated and WA Corrections staff beekeepers, contribute to honeybee conservation and restoration, and have the potential to create and contribute related goods (hives, honey, beeswax products) to nearby communities.

Following 2017's successful bee summit, facilities and community partners statewide have added many new beekeeping programs; this year, 11 of WA's 12 primary prisons host programs. Investment in and devotion to these programs by WA Corrections staff, incarcerated beekeepers, and community experts is beyond impressive! And they look like they're having a great time with it, too.

Three new programs launched, at MCC-TRU, MCC-SOU, and on DNR property on McNeil Island. The



*An incarcerated beekeeper at CBCC gently pets a honeybee who has landed on his shoulder. Photo courtesy of Faye Nicholas.*

McNeil Island program offers the region's beekeepers rare access to many acres of pesticide-free bee forage, and they are over-the-moon at the chance to support the program. Incarcerated beekeepers from CCCC travel to McNeil and gain valuable hands-on experience and learning opportunities while working alongside the team of expert beekeepers.

In total, there are 60 healthy hives in WA Corrections facilities. Since fall 2015, 323 incarcerated students became certified apprentices, 12 incarcerated students have become certified journeyman beekeepers, and 25 staff have become certified apprentice beekeepers. A detailed summary of program status as of June 30, 2018, is in Table 14.

**Table 14.** Beekeeping Certification Overview by Institution FY18 (see [Appendix 3](#) for abbreviations)

Prison	Hives	Partners	Incarcerated Apprentices certified since 2015
AHCC	12	<a href="#">West Plains Beekeepers, CI, Inland Empire Beekeepers</a>	51
CCCC	1	<a href="#">Olympia Beekeepers Association</a>	57
CBCC	4	<a href="#">North Olympic Peninsula Beekeepers Association</a>	30
CRCC	3	<a href="#">Mid- Columbia Beekeepers</a>	32
LCC	5	<a href="#">Clark County Beekeepers</a>	12
MCC-WSR	Postponed		
MCC-SOU	2		
MCC-TRU	6		8
MCCCW	2	<a href="#">West Sound Beekeepers</a>	21
SCCC	1	Olympia Beekeepers Association	47
WCC	6	Olympia Beekeepers Association	14
WCCW	3	Mother Earth Farm	7
WSP	15	West Plains Beekeepers Association, CI	37
<b>Total</b>	<b>60</b>		<b>323</b>

## Pacific Northwest Monarch Butterfly Program

The BAR (Baker, Adams, Rainier) Unit Monarch Butterfly Program at [Washington State Penitentiary](#) (WSP) is a joint research project with [Washington State University](#) (WSU). Program technicians are in a social skills group in which mental health and protective custody incarcerated individuals work together to raise and care for Monarch butterflies. From 2012-2016, the program reared and released more than 1/3 of 13,778 butterflies. There are currently no updates available for the most recent season.

When the program is active, about fifteen technicians participate and they are able to



*A Washington State University (WSU) tagged monarch; 60 of these butterflies have been found in the wild. Photo from WSU article.*

observe the full 6-week life cycle, from egg laying to emerging adult butterflies. They tag adult butterflies before release and WSU receives report sightings from the field, usually from California overwintering sites. Offspring of these butterflies begin the migration back north in the spring.

### Taylor's Checkerspot Butterfly Program

Our flagship pollinator program is rearing and releasing Taylor's checkerspot butterflies (*Euphydryas editha taylori*), a federally-endangered species that once flourished from southern British Columbia to central Oregon. Only a few small, isolated populations of the butterfly remain. The SPP rearing facility at MCCCW adds to the scope and resilience of recovery efforts and bolsters the original rearing program at the Oregon Zoo. The end of FY18 marks the completion of the program's seventh rearing season. Program partners include WDFW, USFWS, JBLM/DoD, Oregon Zoo, and CNLM.



*Left to right) MCCCW Superintendent Devon Schrum, SPP Co-Director Kelli Bush, USFWS Biologist Karen Reagan, Alexis Coleman, Susan Christopher, Tracy Hatch, USFWS Division Manager Tom McDowell, Nichole Alexander, and SPP Coordinator Keegan Curry stand in front of the butterfly lab. Karen and Tom from USFWS oversee Taylor's checkerspot recovery on a regional level; they took time out of their busy schedules to visit the MCCCW captive rearing program and see firsthand the work that incarcerated technicians are doing to support endangered species conservation.*

Since 2011, program participants have reared and released more than 18,000 caterpillars and adult butterflies onto south Salish Sea prairies. More than 27 incarcerated technicians have received training, four graduate students have coordinated the program, and seven WA Corrections staff have served as liaisons. Since 2013, SPP has issued 15 certificates for incarcerated technicians completing training in the program. Rearing and breeding outcomes for this reporting period are summarized in Table 15. Percent survival by life stage is available in Table 16.



**Table 15.** Taylor's Checkerspot Rearing and Adult Breeding at MCCCW FY18

	<b>Caterpillars Into Diapause <i>July 2017</i></b>	<b>Caterpillars Released Post-Diapause <i>March 2018</i></b>	<b>Caterpillars Retained for Breeding <i>March 2018</i></b>	<b>Egg-Laying Butterflies <i>May/June 2018</i></b>	<b>Est. # of Eggs Produced <i>May/June 2018</i></b>	<b>Caterpillars Released Pre-Diapause <i>June 2018</i></b>
Wild	3,023	2,713	300	20	3,739	0
Captive- Reared	146	146	0	30	4,532	2,671
Multi- Diapause	120	8	108	11	2,577	336
Unknown Origin (QC)	76	77	0	N/A	N/A	0
<b>Totals</b>	<b>3,365</b>	<b>2,944</b>	<b>408</b>	<b>61</b>	<b>10,848</b>	<b>3,007</b>

**Table 16.** Number of individuals and percent survival by life stage for wild and captive-reared Taylor's checkerspot butterflies at MCCCW FY18

<b>Life Stage</b>	<b>Rearing &amp; Breeding Totals</b>	
	<b>#</b>	<b>% Survival</b>
Diapause to wake-up	3,355	0.997
Wake-up to release	2,944	0.999
Breeding colony	408	---
Returned to diapause	110	---
Caterpillar to pupae	235	0.789
Pupae to adults	225	0.957
Est. # eggs	10,848	---
Eggs transferred to OR Zoo	3,047	---
Eggs to hatch	7,791	0.999
Caterpillars released pre-diapause	3,007	---
Hatch to diapause	4,759	0.995

2018 was an eventful year for the butterfly program. In addition to the regular demands of the breeding season:

- Butterfly technicians crafted and delivered a PowerPoint presentation describing their work for the general population (~30 attendees).
- During the height of the breeding season, technicians hosted a facility tour for managers from the USFWS who oversee species recovery region-wide.
- Near the end of the flight season, technicians were able to visit a Taylor's checkerspot release site where they interacted with biologists from WDFW and learned about the butterfly's habitat first-hand.
- To top it all off, 2018 was the most successful breeding year in the MCCCW program's history, with nearly 11,000 eggs collected by the end of the season!

**Table 17.** Education and Certification, Taylor's Checkerspot Butterfly Program FY18

<b>Education Sessions (30-90 minutes)</b>	<b>No Sessions</b>	<b>Attendees</b>
<b>MCCCW</b>		
Coyote ecology	1	5
Taxonomy and evolution of butterflies	1	5
Wolf biology and behavior	1	5



Crow biology and intelligence	1	5
Butterfly behavior	1	5
How to read a scientific paper	1	5
Evidence for Mate-Guarding Behavior in the Taylor's Checkerspot Butterfly (Journal of Insect Behavior)	1	3
Evolution and speciation in butterflies	1	3
Comparison of genetic diversity in captive versus wild populations of the federally endangered Quino checkerspot butterfly (Entomological Society of WA)	1	3
<i>Total education sessions</i>	9	5
<b>Certificates Awarded</b>	<b>No recipients</b>	
Butterfly Rearing and Research Specialist, 1500 hours	5	

## Wildlife Habitat Programs

Several facilities have installed structures or plantings to benefit wildlife. A summary follows.

**Table 18.** New and ongoing efforts to provide wildlife habitat and forage, FY18 (see [Appendix 3](#) for abbreviations)

Prison	Programs	Program Partners	Highlights
AHCC	Pollinator forage & habitat	Miller Homestead LLC	Pollinator-friendly plantings throughout the main & minimum areas: flowers, herbs, pussy willow. Large woody debris and shrubby habitat in pond area.
CCCC	Pollinator forage		~15,000 pollinator friendly annual flowers planted around grounds each year
CBCC	Flower gardens		Planted 500 perennials this year; ornamental gardens in courtyard, access breezeway, MSC light yards; "worm tea" is only fertilizer
CRCC	Heritage Garden		Inmates designed garden, which honors the cultural and natural heritage of our local area, using native plants to minimize water use.
CRCC	Plant and Animal Habitat		Bird boxes, owl box, and pollinator box in garden; built 6 bee boxes in past year
CRCC	Land Restoration	Lamb Weston	Restoring native vegetation outside the fence; planted ~200 sagebrush plants and ~3 lbs of blanket flower seeds
LCC	Bird feeders		Feeders throughout the facility; rehome baby birds that fall from nests
MCC-WSR	Bird habitat		Bird houses and hummingbird feeders
MCC	Flower gardens, boxes, baskets		Flower gardens to attract bees to pollinate the vegetables
MCCCW	Bird boxes		20 bird boxes, 2 bird feeders
MCCCW	Flower gardens		Added 6 new flowerbeds for the butterflies; every living unit has a flower bed
OCC	Pollinator-friendly plantings		All greenhouse plants selected to benefit pollinators, in past year increased plantings for pollinators, including natives
SCCC	Pollinator plantings		Pollinator plants in every garden and next to greenhouses
SCCC	Bird houses		More than 40 houses
WCCW	Pollinator plantings		Hanging baskets, perennial and annual flowers throughout the grounds, selected to be beneficial to pollinators; other wildlife also attracted, such as frogs, rabbits, and birds of prey

## 5. Restorative Nature Programs

SPP brings nature inside prisons with the motivation to relieve the stress of prison environments. Scientific literature shows that when nature is available within institutional and urban environments, inhabitants experience many positive, therapeutic benefits. In FY18, research on “vicarious” nature exposure, in the form of nature videos in a maximum security prison, found beneficial results for incarcerated individuals and staff in the area; these programs are supported by a [Nature Imagery in Prisons](#) (NIPP) team, led by SPP co-founder Nalini Nadkarni.



*Privacy, a comfy chair, and high quality nature videos are available to all residents of Cedar Hall at WCC. Photo by Classification Counselor Alejandro Fairley.*

Less formally, the therapeutic value of SPP’s programs has been recognized widely and consistently by both incarcerated and staff partners. While all SPP programs are intended to offer positive contact with nature, the programs detailed below include enjoying nature as their *primary* function.

**Table 19.** New and ongoing Restorative Nature Programs, FY18

Prison	Programs	Program Partners	Highlights
AHCC	Flower gardens		Flowers throughout the prison for human & wildlife well-being
AHCC	Diversity Garden		Cultural groups grow food and flowers for their special events
AHCC	Nature imagery	Nature Imagery in Prisons Project	Inmates in maximum security area have access to nature videos
CBCC	Flower gardens		Planted 500 perennials this year; ornamental gardens in courtyard, access breezeway, MSC light yards
CCCC	Flower gardens		Flower gardens throughout the grounds
CRCC	Heritage Garden		Inmates designed garden, which honors cultural and natural heritage of area, native plants minimize water needs
LCC	House plants		Only known prison that allows houseplants in residents’ dorm rooms; last year were nearly 300 plants for 480 residents!
MCC	House plants		Grow plants for donation to hospital area
MCC-WSR	Flower gardens		Flowers gardens to benefit human and wildlife well-being
MCCCW	House plants		All living units have houseplants and numerous staff have plants in their officers

<b>OCC</b>	Water features		Two living units have fish ponds; the other has a fountain and basin
<b>OCC</b>	Flower gardens, boxes, baskets		Each living unit has several garden beds planted and maintained by residents; hanging baskets and flowering beds throughout staff and inmate areas
<b>SCCC</b>	Flower gardens		Flowers throughout the grounds for human & wildlife well-being
<b>SCCC</b>	Lifer garden		Large garden space dedicated to Lifer gardens (incarcerated men not eligible for parole)
<b>WCC</b>	Nature Imagery	NIPP team; University of UT	2 Nature Imagery rooms in Cedar Hall; hosted documentary film makers and 2 information nights focused on program
<b>WCC</b>	House plants		In all shared and staff areas; Grounds Maintenance crew provides and maintains all
<b>WCC</b>	Flower gardens		Flower plantings throughout the campus
<b>WCCW</b>	Flower gardens		Flower plantings throughout the campus
<b>WCCW</b>	Chickens	Mother Earth Farm	Program ended March 16, 2018
<b>WSP</b>	House plants		More than 600 potted plants inside, plus several terrariums, provided by SPL



*A gardener walks next to the meticulously cultivated Lifer Garden at SCCC. Photo by Ricky Osborne.*



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## 6. Community Contribution Programs

Community contribution programs directly provide services and/or goods to nearby communities. They train pets for adoption or service and donate crafts and products (firewood, quilts) derived from reclaimed materials. Other community contribution programs provide services such as habitat restoration and thinning trees.

Typically, these programs are partnerships between prisons and community organizations that help organizations increase capacity and provide inmates opportunities to contribute to the world outside the fence. Most of these programs predate the formal SPP partnership. SPP-Evergreen's role is to acknowledge and support these productive partnerships and provide a comprehensive overview of activities taking place statewide.

SPP's conservation and sustainable operations programs also make community contributions; for example, the [Conservation Nurseries](#) provide hundreds of thousands of plants to regional restoration, and [Sustainable Operations](#) programs contribute by reducing prisons' environmental footprint and saving taxpayer dollars. See those sections for details.

### Dog and Cat Programs



*Mr. Mason has written several essays on CRCC's Ridge Dog Program, providing moving testimony on the value of these programs. Photo by Lezlie Sage.*


Dog and cat programs are common in prisons across Washington State. Nearly all of Washington's prisons have formed one or more partnerships with community nonprofits to create pet programs. Incarcerated individuals receive support from partner organizations to provide excellent animal care and obedience training, and—in a few cases—service and/or therapy training. We have heard from inmates and staff that pet programs are a benefit to all directly involved, and to the larger prison community as well. Sometimes, participants of these programs say that working with dogs or cats transformed them. An example from a participant of the Ridge Dogs program:

**"I've had a chance to transform a dog's trauma into joy through love and discipline. In the end, my efforts liberated not only the dog, but me as well."**

In FY18, more than 550 dogs and cats were cared for and trained in WA prison programs. In the past year, no programs were lost, and [Washington State Penitentiary](#) (WSP) added a kitten program in the BAR Living Units. Details are shown in the following table.



**Table 20.** New and ongoing Dog and Cat Programs, FY18 (see [Appendix 3](#) for abbreviations)

Prison	Program	Program Partners	Highlights
AHCC	Pawsitive dog training	Diamonds in the Ruff and Spokanimal	Graduated 16 dogs in past year; 2 graduation ceremonies; Humane Society hosted a “Yappy Hour” on September 5 to raise funds for the program.
CBCC	Dog training and adoption	WAGS	25 dogs graduated from the program in past year; hosted reunions for adoptive families and incarcerated trainers.
CBCC	Cat program	WAGS	Hosted by two units in close custody; 17 cats gone through program.
CCCC	Training dogs for veterans	Brigadoon Service Dogs	20 dogs trained to the needs of individual veterans in the past year; 2 graduation ceremonies
CRCC	Ridge Dogs	Benton Franklin Humane, Adam County Pet Rescue	105 dogs graduated from the program in past year; Supported program volunteer helping to publish participant essays on program experience.
CRCC	Mother and kitten foster	Benton Franklin Humane, Adam County Pet Rescue	20 kittens in the program in past year
LCC	Dog Adoption Program	Humane Society for Southwest Washington	Weekly classes and one-on-one training with handlers; 48 dogs and puppies in the program in past year.
LCC	Cat Adoption Program	Humane Society for SW WA, West Columbia Gorge Humane Society	Education and training every 2nd week; 46 kittens and cats adopted in past year.
MCC-SOU	Cat program	Purrfect Pals	<p>291 cats and 71 handlers in 3 years of the program.</p>  <p><i>A cat handler holds a kitten in MCC-SOU's Purrfect Pals program. Photo courtesy of Kathy Grey.</i></p>
MCC-TRU	Dog training and adoption	Summit Assistance Dogs	16 dogs graduated this year; 4 graduations; 4 are presently in advanced training to needs of individual recipients.
MCCCW	Pawsitive Prison Project	Kitsap Humane Society	291 cats and 71 handlers in 3 years of the program.
OCC	OCC Dog Program	Olympia Peninsula Humane Society	167 dogs graduated 2010-17; data on available for FY18
SCCC	Freedom Tails	Harbor Assn of Volunteers for Animals (HAVA)	34 dogs graduated; 3 graduation ceremonies

<b>SCCC</b>	Service dogs for veterans	Brigadoon Service Dogs	9 dogs trained to the needs of individual veterans .
<b>WCC</b>	Training dogs for veterans	Brigadoon Service Dogs	Don't have data for FY18
<b>WCCW</b>	Prison Pet Partnership		First in-prison pet program in the country! In past year, graduated 35 dogs, 23 incarcerated employees; one scholarship for reentry
<b>WSP</b>	BAR Units kitten program	Blue Mountain Humane Society	Socializing and raising kittens for adoption; ~70 kittens in the program this past year

## Reclaim, Repurpose or Restore, and Donate Programs



*From above, the view of an area of WSP's Sustainable Practices Lab (SPL) gives some sense of the incredible productivity and industry. Photo by Bethany Shepler.*

Consistent with the earliest days of SPP programs, WA prisons strive to “throw nothing away,” to transform potential refuse into something of value. In some cases, these programs’ creations directly meet an organization’s need: donating quilts to a homeless shelter, refurbished computers for schools, and growing produce for food banks. In other cases, programs donate handmade or restored creations for organizations’ fundraising events. The productivity and generosity of these programs are best illustrated by statewide numbers (below).

**Table 21.** New and ongoing Community Contribution Programs, statewide total for 12 prisons, FY18 (see [Appendix 3](#) for abbreviations)

Item	Statewide totals (approximations)	Lead Facility
Garden area	17.2 acres cultivated	WSP institutional garden: 457,380 ft2
Produce grown	271, 120 lbs. to food banks & prison kitchens	WSP institutional garden: 151,470 lbs
Crafts & furnishings from reclaimed materials	18,000+ items donated	WSP's Sustainable Practices Lab (SPL): 17,000 (that may be a multi-year total)
Refurbished bicycles and wheelchairs	847 donated	SCCC: 340
Refurbished computers	4,321 at-cost for School District	AHCC: All
Firewood	721 cords donated	AHCC: 571 cords
Water treatment systems	236 donated	WSP's SPL: All
Flower & vegetable starts	8,000 donated	WCC: 7,000

**Table 22.** New and Ongoing Community Contribution Programs to Reclaim, Repurpose, Restore, or Donate, FY18 (see [Appendix 3](#) for abbreviations)

Prison	Programs	Program Partners	Highlights
AHCC	SPL: Quilting	Blessings Under the Bridge, AHCC Medical End of Life Patients	Inmates repurposed 320 lbs. of clothing and textiles (~60% of the waste stream); created 46 quilts for donation; June celebration for all program partners.
AHCC	Computers 4 Kids	School districts – OSPI, DES	In past year refurbished 4,321 computers for schools plus 10,311 to surplus; incarcerated technicians learn basic computer diagnostics. and can test for certification, plus office and shipping skills.
AHCC	Firewood donation	SNAP Spokane	Donated 571 cords of wood in past year to low income families; DNR provides wildland fire trainings, and prison staff provide firewood and chipper trainings.
CBCC	Vegetable gardens	Donations to Peninsula College culinary program	5,850 ft <sup>2</sup> (additional 4000 ft <sup>2</sup> unused); ~1,200 pounds of produce grown, ~43 lbs to culinary program, 1,075 to the kitchen and 84 lbs to area food banks.
CCCC	Gardens	Centralia Community College, Littlerock School District	40,000 ft <sup>2</sup> of gardens, grew ~8,500 lbs of produce for inmate kitchen in 2017; grew pumpkins for School District.
CCCC	Construction: tiny homes, and wildlife habitat	Centralia CC; Low Income Housing Institute	Building tiny homes for tiny home villages; built bird houses to native species' specs from scrap wood, for onsite placements; built bee boxes for McNeil Island program.
CRCC	Gardens: Minimum		3,000 ft <sup>2</sup> of gardens produced more than 5,000 lbs in 2017.
CRCC	Toys for Tots	Tri-Cities Toys for Tots, Shriners Hospital for Children	Donated 150 toys and crafts in the in past year.
CRCC	Teddy bears from reclaimed materials	Hospitals, API events held at CRCC, ARC of Tri-Cities, Franklin County Sheriff's Office	Donated 251 teddy bears to partners and benefit events.
LCC	Wood craft donations		Created more than 50 Jewelry boxes and other items, donated to non-profits.
MCC-SOU	Gardens		Thriving program: tomatoes, zucchini, cucumbers, cabbage, lettuce, squash, and herbs.
MCC-TRU	Gardens		Grew 850 lbs for inmate kitchen; every living unit has garden space; ~4,000 ft <sup>2</sup> of gardens.
MCC-TRU	Community Aide Coalition: quilting, crochet, textile arts	Over the Rainbow Fabrics, Dolly Haakenson, clothing and textile advisors of Snohomish County donate materials; crafts donated to Interfaith Family Shelter, Westlake Shelter, Hope Crew, Swedish, Evergreen, Seattle Children's and Providence Hospitals, Rainbow Center, Evergreen Hospice, Little Bit Therapeutic Riding Center, Summit Assistance Dogs, Holy Rosary Church, Rotary First Harvest, East Count and Monroe	99 quilts and 229 crochet and fabric hats created and donated in past year.



		Senior Center, +many, many more.	
<b>MCC-WSR</b>	Composting programs	City of Monroe donates seeds and soil	Donate worm castings and grew 1,000 begonias for City; plan to grow many more next year -- built new benches in greenhouse to accommodate 40,000 vegetable/flower starts.
<b>MCC-WSR</b>	SPL Bicycles from Heaven	Bikes donated by Snohomish County Sheriff, Monroe PD, Marysville PD, Everett PD; donated to Snohomish County Boys & Girls Club and the City of Sultan for National Night Out	Restored 130, shipped out 137, recycled 31 in past year.
<b>MCC-WSR</b>	SPL Wheelchair program	Wheels for the World	Restored 165 wheelchairs, recycled 31; restored 45 walkers; restored 50 crutches; shipments to Peru.
<b>MCC-WSR</b>	SPL Wood Craft 4 Charity	Scrap wood from Canyon Creek Cabinet Company; donate to Children's Hospital, YWCA, Domestic Violence Services of Snohomish County, Women's Shelter of Monroe	Created and donated 101 toys and puzzles and 6 bird houses.
<b>MCCC W</b>	GRACE (Gardening for Restoration and Conservation Education) Project	Kitsap Conservation District, Central Kitsap Foodbank	Kitsap Conservation District 1/4-acre garden tended by MCCCW crew, produced more than ~11,000 lbs in first season! 10,800 donated to 4 food banks; 200 lbs fresh produce to the prison kitchen; mid-October, food bank patrons can bring their kids to pumpkin patch (pie and jack-o-lantern varieties).



*Two gardeners work in the GRACE Project garden, growing food in a Kitsap Conservation District Program. Photo by Keegan Curry.*



<b>OCC</b>	Wood shop	Quileute High School scholarships, Cherish our Children, Forks Lions Club, CASA, Quillayute Valley School District, Relay for Life, Forks Chamber of Commerce, Timber Museum, Olympic Anglers, Calm Waters and Forks Soroptimists; wood from Westport Shipyard and OCC Community Crews (DNR)	In past year, donated 300, crafts, sculptures, furniture, and signs to charitable and nonprofit partners, all made from reclaimed wood.
<b>OCC</b>	Firewood	Department of Natural Resources, Olycap, Quillayute Valley Scholarship Auction, Cherish the Children, Forks Soroptimists	Cut and donated 150 cords of firewood in past year.
<b>OCC</b>	Food Bank Fundraisers	Giving Tree, Coastal Community Action Senior Center, Community Youth Services, Set Free Christain Fellowship, Coastal Harvest Food Bank, Unidos Por Puerto Rico	Inmates and staff raised and donated ~\$9,730 to non-profits listed!
<b>SCCC</b>	Gardens and greenhouses	Coastal Harvest Food Bank, Harvest Now	25,000 ft <sup>2</sup> of gardens produced 20,314 lbs of produce, all donated to food bank; starting in July, portion will go to inmate kitchen.
<b>SCCC</b>	Bicycle Repair	Lions Club	193 bikes repaired and donated in past year.
<b>SCCC</b>	Wheelchair Repair	Wheels for the World	147 wheelchairs repaired and donated in past year.
<b>SCCC</b>	Construction: projects to benefit homeless	Low Income Housing Institute, Family Promise of Grays Harbor	Tiny home construction beginning October 2018; donated cabinetry for Day Center renovations.
<b>SCCC</b>	Gardens and greenhouses	Thurston County Food Bank, The Saint's Pantry Food Bank, The City Reach Food Bank, Shelton Community Kitchen, Harvest Now	FY18, grew 32,200 lbs; Harvest Now donated vegetable seeds to increase production for food banks; garden area 43,560 ft <sup>2</sup> , greenhouse 1,440 ft <sup>2</sup> .
<b>WCC</b>	Plant starts	Hoodsport Kiwanis	Grew 7,000 plants for 2018 Hood Canal Kiwanis Spring Plant Sale! Built and donated 8 planters.



WCC has long grown produce for local foodbanks. In 2017, they started a partnership with Kiwanis Club and grew ~2,800 vegetable starts for their spring plant sale; in 2018, they increased the number to **7,000 vegetable starts**! Photo by Don Carlstad.

<b>WCC</b>	Construction: bus stops, tiny homes, Neighborhood Pantries, bird houses	Centralia College, Low Income Housing Institute, Hoodspout Kiwanis, Hoodspout School District	Carpenters obtaining college credit while working on neighborhood projects: starting to build tiny homes; built and donated 3 bus stops; in past year, built 9 more pantry boxes for Kitsap neighborhood food sharing; bird boxes for WCC grounds.
<b>WCC</b>	Shoe and clothing repurposing	CI	DOC facilities send used clothes to WCC for reuse and recycling; repurposed 7,266 t-shirts, 26,260 boxer shorts, 11,483 pairs of socks
<b>WCCW</b>	Gardens and greenhouses	Tacoma CC, WSU Extension, Pierce County	10,000 ft <sup>2</sup> of growing space; summer of 2018 grew 7,385+ lbs of produce for inmate kitchen; 10 TAs maintain landscaping.
<b>WCCW</b>	Bicycle Repair	Kiwanis Gig Harbor supplies bikes; donate to "Gear Up For School" program at KP Middle School; schools in Peninsula School District; individual kids	In past year donated 182 refurbished bikes to school kids. As of 12/2017 this program is no longer sponsored by Gig Harbor Kiwanis; program reduced to private donations.
<b>WCCW</b>	Mother Earth Farm	Mother Earth Farm, Real Food Network, Tacoma CC	Offsite crew of 9 organic farm students grew 100,000+ lbs for donation to 16 food pantries; gave ~3,400 hours, estimated at \$81,497 value; formal education on 17 topics earns 9 credits from TCC
<b>WCCW</b>	Sisters of Charity: quilts, fabric crafts, wildlife rescue	Community members donate supplies; West Sound Wildlife receives nests and beds	Projected to donate 300-400 craft items (Christmas stockings, knitting, quilts, yarn nests and animal beds etc.).
<b>WSP</b>	Gardens and greenhouses: Institutional Sustainability Garden		2017 grew <b>151,470 lbs</b> of produce in 457,380 ft <sup>2</sup> of gardens, estimated savings/cost avoidance of \$175,937.
<b>WSP-SPL</b>	Overview	Donated to 530 charities since start of SPL in 2012	23 programs in past year donated 17,000 + items to non-profits; provided 8,500+ items for state use; estimate \$200,000+ savings/cost avoidance for DOC.
<b>WSP-SPL</b>	SPL: Bicycle Refurbish	Bikes donated by Walla Walla Police and Sheriff's Department	Rebuilt and donated 30 bikes in past year.
<b>WSP-SPL</b>	SPL: Wood Shop		Built custom wood signs, special furniture items, and carvings; 194 projects this past year; big cost savings for DOC associated.
<b>WSP-SPL</b>	SPL: Wood Carving		Hand-carved 194 items for auctions this past year.
<b>WSP-SPL</b>	SPL: Aquaculture and Aquaponics		Produced 60+ heads of leaf lettuce every 90 days; maintain stock of 3,000+ tilapia and trout.
<b>WSP-SPL</b>	SPL: Furniture Repair	Simpli-Home Furniture LLC.; donations to Habitat for Humanity, The Humane Society, Veterans Housing Project, Women and Children Rescue Mission, Christian Charities Mission, and Teen Aid	Donated furniture sorted, salvaged, and assembled for donation to 40+ charities.
<b>WSP-SPL</b>	SPL: Sign shop		Recycle metal signs, and re-size or re-manufacture; produced 2,000+ signs in past year, cost savings of \$2,000.

<b>WSP-SPL</b>	SPL: Parole-A-Bear		SPL's most productive shop by # of items, annually creating about 5000 stuffed bears and other sewing projects for charities.
<b>WSP-SPL</b>	SPL: Quilting		From reclaimed fabric, in past year created ~160 quilts, blankets, and wall hangings for charity, including 120 blankets for homeless shelters and fine-craft times for auctions.
<b>WSP-SPL</b>	SPL: Water treatment systems	<a href="#">Project 41</a>	Low cost technology to produce water treatment systems for export to Africa, human-powered, built 236 units in past year!

## Community Work Crews

Many incarcerated residents of minimum security prisons (LCC, OCC, MCCCW, and CCCC) and units (Minimum Security Unit = "MSU") may join offsite crews working on public land and community organization sites. The work can allow positive reconnection with outside communities: providing exposure to, and experience outside the fence.

These crews employed 1,709 incarcerated individuals this fiscal year. With so many participants at hundreds of sites statewide, we still have much to learn about these programs, including how well each does and does not fit the SPP model. Reported details are shown in the table below.



*Logs cut by AHCC forestry crew are processed into firewood by a different crew at the prison, and then donated to low income families in the nearby community. Photo by Ricky Osborne.*

**Table 23.** Community Work Crews, Special Projects FY18 (see [Appendix 3](#) for abbreviations)

Prison	Programs	Program Partners	Highlights
AHCC	Forestry	Department of Natural Resources	Forest thinning produces logs for firewood program.
MCCCW	Conservation crews	Kitsap Conservation District, Great Peninsula Conservancy, Jefferson Land Trust	Planting projects and invasive weed removal for partners.
MCCCW	GRACE Project	Kitsap Conservation District, Central Kitsap Foodbank	Rotating crew growing vegetables for foodbank donation.
WCCW	Mother Earth Farm	Mother Earth Farm, Real Food Network, Tacoma CC	Offsite crew of 9 organic farm student-workers.

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## 7. Sustainable Operations

Sustainable Operations programs are led by the [Washington State Department of Corrections](#) (WA Corrections) and this section of the annual report is authored by WA Corrections' Sustainable Operations Manager. While other programs included in this report are also led by WA Corrections or other outside partners, Sustainable Operations programs statewide are unique as they are managed by a dedicated WA Corrections staff position; this position was created by WA Corrections to monitor and reduce the environmental, economic, and human cost of prisons. Major sustainable operations initiatives include greenhouse gas emissions, energy, waste, and potable water use reductions.

Prison facilities are responsible for the vast majority of WA Corrections' resource consumption and waste generation. In 2018, these facilities occupied over 7 million square feet of conditioned space and housed an average population of 19,000 incarcerated individuals. Prison age and design range from the 130-year-old first territorial prison in Walla Walla, to the nation's first LEED Gold prison campus in Connell, WA. Facilities provide health and dental care, treatment programs, educational and employment training, laundry and food services.

During the reporting period, WA Corrections worked closely on the development, and now the implementation of, the [Governor's Executive Order 18-01 State Efficiency and Environmental Performance](#), the focus of which is the reduction of carbon emissions and toxic pollution produced by state government operations. WA Corrections is proud to have several staff serving on the Governing Council, Guidance Team, and Subject Working Groups to develop and implement effective reduction strategies and actions to reduce waste, emissions and pollution.

### Energy

Energy costs associated with the operations of correctional facilities are significant. Reducing energy consumption is an ongoing priority for WA Corrections. The Capital programs division is constantly engaged in evaluating and facilitating energy reduction measures such as:

- Facility and systems maintenance
- Energy Audits and resulting upgrades
- High performance construction
- Alternative energy investments
- Promoting conservation behaviors

WA Corrections continues to take advantage of available and applicable innovation to reduce energy consumption. The trend of significant reductions is due in large part to the use of the energy savings performance contracting. This financing mechanism identifies and funds energy efficient facility improvements and pays for project costs with the energy savings delivered by the project. WA Corrections has completed 20 energy service performance contracts since 2005. In addition, our facility managers operate robust maintenance programs, knowing that deferred maintenance results in higher energy use and premature equipment failure. Our robust preventative maintenance programs have resulted in more efficient building performance and energy consumption. Facilities also continue to make good use of utility incentives to help pay for energy conservation projects.

WA Corrections has reduced energy consumption in prison operations by 24% since 2009. Energy use continues to trend downward, decreasing steadily year after year with the exception of a slight uptick in FY16.

### Energy data

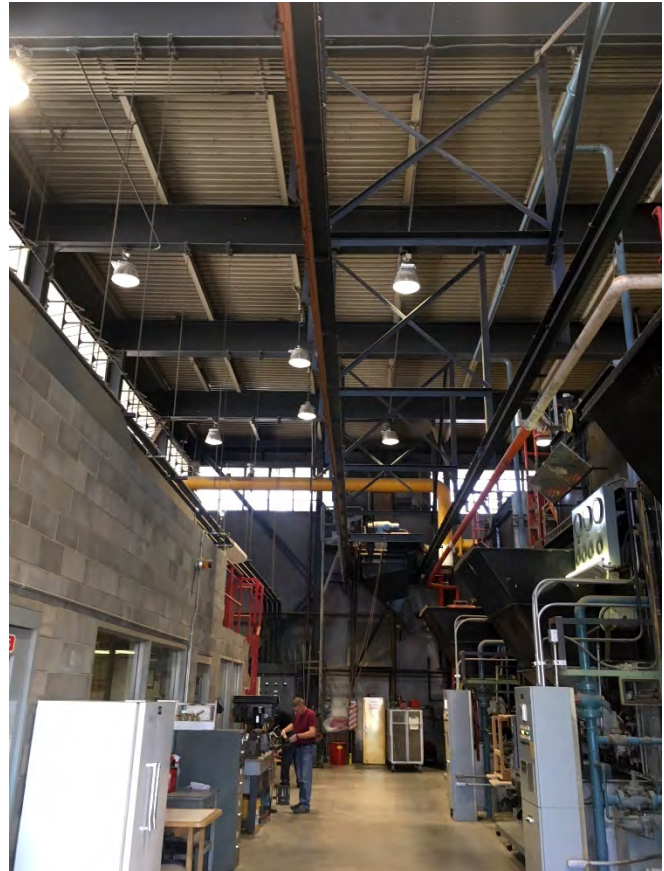


- Energy use/incarcerated person/day showed a slight decrease of 0.3% from the FY17 rate of 52.8 kWh/incarcerated person/day
- The FY18 energy use per/incarcerated person/day was 51.3 kWh/incarcerated person/day
- The target energy use rate is 54.2 kWh/incarcerated person/day

This data represents power demands needed to operate facility conditioned spaces, perimeter lighting, food service, laundry, health care and industrial operations. Power sources include: electricity, natural gas, propane and fuel oil. Consumption records for each facility for each power source are converted to equivalent kWh hours and divided by the number of incarcerated people.

#### FY18 activities and initiatives

- **Lighting retrofits** – Prison facilities continue to use operational funds made available for LED lighting projects, resulting in significant energy savings.
- **Training and utility incentives** – Facility managers engaged in energy conservation and building management training and continue to use utility incentives to fund small-scale conservation and preventative maintenance projects.
- **Energy project funding** – WA Corrections received special funding through the Department of Commerce for the Pacific Northwest National Laboratory to conduct detailed energy use studies, develop an Energy Master Plan for the department and recommend best energy conservation strategies and projects.
- **Renewable power contracting:** WA Corrections contracted to purchase 1.2 million kilowatt hours of green power annually, the maximum available through [Avista's Solar Select](#) program at this time. The power will be produced by the state's largest solar installation in its last phase of construction near Lind. WA Corrections is thrilled for the collaborative relationship with Avista and the development of clean, renewable energy in Washington State.



*LED light fixtures illuminate WSP's steam plant. Utility bill savings will pay off the cost of the retrofit in a little more than 3 years. Photo courtesy of Jim Atteberry.*

#### Waste

The primary focus of WA Corrections' waste reduction strategies includes appropriate management of waste streams and environmentally preferable purchasing. Managing waste streams includes separating and shuttling waste to its next, most appropriate destination such as a recycle center, compost facility, waste to energy plant, reuse/redistribution operation, or if no better option exists, to a landfill.

WA Corrections is successfully decreasing the amount of waste generated and sent to the landfills: since 2011, landfill waste had been reduced by 20%. Much of this progress is due to the diversion of food waste to composting operations. Sorting and diverting recyclable items is the second largest contributor to landfill waste reduction.

Attention to environmentally preferable purchase choices also plays a large part in waste reduction. Replacing disposable items with durable, reusable alternatives has been a consistent strategy. Durable medical equipment repair programs refurbish equipment to make it functional for use at the facility or to be donated through community partnerships. The program is an example of saving items from the landfill and sparing facilities replacement costs. Challenges over the past year in reaching further landfill reductions include the loss of cost-effective recycle opportunities for footwear, textiles, and mattresses and plastics.



*A MCC recycling crew transfers recyclable plastics from collection cans to larger containers. Photo courtesy of Julie Vanneste.*

#### Waste data

- Waste generated has decreased slightly over the past year from a rate of 1.9 lbs./incarcerated person/day (FY17) to 1.8 lbs./incarcerated person/day (FY18)
- The target waste goal is 1.5 lbs./incarcerated person/day

Data represents the amount of landfill or incinerator waste generated by facilities that was not diverted to better solutions. These rates do not include wastes diverted to composting, recycling, and hazardous and universal wastes, such as electronics and light tubes, which are captured and managed specially.

**Table 24.** Waste diversion, state-wide totals reported by 12 prisons for FY18

Target of Diversion	State-wide total	Lead facility
Commodities (e.g., metals, cardboard, plastics)*	3.362 million pounds (1,681 tons)*	AHCC: 858,000 lbs. (429 tons) to recycling in FY18.
Organics (e.g., food waste, yard waste, shredded paper)	2.211 million pounds (1,105 tons)	OCC: 404,000 lbs. (202 tons) composted in FY18.
Total waste diversion	5.573 million pounds (2,787 tons)	AHCC was statewide lead, even w/out composting (suspended until water clean); SCCC 2 <sup>nd</sup> , diverting 742,000 lbs. (371 tons) to recycling and composting combined.

\*From Results WA database—likely more complete data—calendar year 2017 diversion to recycling was 1,868 tons

## Activities and initiatives

- **Medication waste diversion** – Random waste stream reviews over the past year revealed the absence of any pharmaceutical or over-the-counter medications in the waste stream indicating that the diversion process for any unused or expired medications is effective.
- **Food waste composting and recycling** – All facilities are expected to have recycle and food waste diversion programs.
- **Sustainable Purchasing** – A major initiative over the past year was reducing consumption of single-use plastics. Prisons replaced plastic bottles from vending machines with recyclable aluminum cans, durable sporks or paper spoons replaced disposable cutlery, and facilities are working toward elimination of plastic trash can liners. Efforts continue to improve and sustain these measures.

## Water

Prison facility managers know that conserving water can save money and be good for the environment. Reducing water use at facilities also extends beyond resource protection and potable water cost savings to savings in wastewater and energy costs.

### Water data

- Potable water use has increased from last year's consumption rate of 135 gallons/incarcerated person/day to a rate of 147 gallons /incarcerated person/day.
- Consumption has risen steadily over the past 4 years. This may be due to the increase in irrigation and the expansion of garden programs across the state.
- Metering and collection of water data has been improving.
- Target goal is 120 gallons/incarcerated person/day.

Data represents the amount of potable water consumed by all prison facilities. It does not include consumption of water from rainwater catchment systems, reclaimed water, or agricultural well water, sources, which some of the facilities use to reduce their demand on potable water.

In the past few years, gardening in Washington correctional facilities has increased exponentially, transforming lawns and gravel yards into beautiful, productive spaces. Programs include emphasis on vegetable production for food banks and facility food service operations. Water reduction goals will not diminish support for garden programs, but rather will bring new opportunities for water conservation innovations.

### Activities and initiatives underway

- **Plumbing retrofits** – A pilot program was implemented to install efficient valves and controllers for showers, sinks and toilets. In the first month following implementation, a 35% reduction in usage was realized. An average water saving will take some time to be determined.
- **Metering and facility water use assessments** – Five facilities have completed metering of their entire campuses. The meters will be used to monitor and reconcile water use to reduce consumption and detect and repair leaks. Cost benefit analysis of the project may support further metering of other campuses.
- **Water conservation landscaping** – While garden programs depend on sufficient water use to thrive, several facilities across the state are employing water conservation strategies including drought tolerant landscaping/gardens and improved irrigation practices.

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## 8. Sustainability Job Programs

SPP job programs offer incarcerated participants job training, education, and sustainable living skills and ways to contribute to communities and ecosystems. The list included in Table 25 shows all sustainability job program placements in FY18 (data provided by WA Corrections staff's OMNI system; where job programs are known to be very similar, SPP-Evergreen combined those programs).

We include all jobs documented and reported by WA Corrections staff involving sustainability, science, and contact with non-human nature. This table leaves out some sustainability jobs that have been coded in a non-sustainability category; for example, technicians working on composting and aquaponics at SCCC, and electricians who install energy efficient fixtures. These job programs represent an enormous variety of activities, most of which were initiated and run with little-to-no input from SPP-Evergreen partners. SPP-Evergreen aims to promote and support the educational enrichment of every program, and will continue to build partnerships and capacity toward this goal.

The approximately 4,084 inmates who held sustainability-related jobs during FY18 are approximately 22% of the ~18,970 men and women incarcerated in Washington State (excluding work release).

**Table 25.** FY18 SPP Jobs in WA Prisons: all inmate jobs involving science, sustainability, and/or contact with living things. Note: Does *not* include students—see [Education](#) for those numbers.

Sustainability Job Program	Number of sites	Number of participants, FY18
American Boarding Kennel Assc (ABKA) programs	2	52
Aquaponics	2	6
Bee Conservation Tech / Class Facilitator	7	35
Bicycle Repair	3	26
Bike & Wheelchair Repair	2	42
Butterfly Rearing Tech	1	9
Carpentry – Tiny Homes	1	5
Cat Handler	4	63
Sustainability Clerk / Analyst	4	10
Community Work Crews / Prairie Conservation	10	925
Compost Worker / Food Waste Recycler	3	35
Computer Refurbishing	1	13
Cultural Crafts Program	1	7
Dog Handler Mentor	1	6
Dog Obedience Handler / Care and Service Worker	9	240
Dog Service Handler	3	42
Dog Srvcs/Obed Secondary	3	45
Dog Walker	3	31
Organic Gardening	1	61
Fire Wood Stacker	1	11



Forestry I Worker	4	769
Forestry II Worker	1	15
Groundskeeper I / Landscaping & Grounds / Garden Plot	16	470
Horticulture I Worker	9	205
Horticulture Worker II	4	41
Inside Groundskeeper	1	13
Plantain (grown for Oregon Zoo)	1	3
Recycling Worker / Recycling & Reclamation	14	461
Re-Use Fabric-Sustainable / Quilting	3	63
Root Of Success Trainer / Roots Lab	10	47
Sawyer	2	43
Sheep Farming	1	11
Teddy Bear Creations	1	11
Turtle Technician	2	14
Waste Treatment Helper	1	13
Waste Treatment Operator II	1	9
Waste Trt 1 Operator	3	19
Wood Working	1	3
Worm Farm Worker/Vermiculture	5	139
<b>TOTAL</b>		<b>4,084</b>



*At the release site in the Columbia Gorge area, turtle technician Damian Larson releases a turtle that he helped care for during its time at LCC. Photos by Sadie Gilliom.*

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## 9. Evaluation

In FY18, changes in [Washington Department of Corrections](#)' (WA Corrections') requirements for program evaluation and research continued to evolve. This required significant investments of staff time by both SPP-Evergreen and the Research and Data Analytics (RDA) office at WA Corrections Headquarters. By the end of the fiscal year, partners had reached shared understanding and achievable plans for moving forward.

### Research with External Partners

#### Institute for Human-Animal Connection

Dr. Kevin Morris and colleagues with the [Institute for Human-Animal Connection](#) at Denver University (DU) continued the analysis of data gathered the summer of 2017, assessing social/emotional impacts for inmates who participate in dog programs. They prepared to move into a second phase of the research; SPP-Evergreen and RDA supported Dr. Morris in shaping a data request for participating inmates as well as a matched group. SPP-Evergreen will provide some financial support to help cover review expenses for the project as well. When the study is complete, the partnership plans to publish best-practices for prison dog programs.

#### University of Utah and NASA

To evaluate the [Astrobiology for the Incarcerated](#) lectures, program partners created pre- and post-program surveys to assess knowledge and attitudes about the topic, science in general, and related education and employment. These surveys were used for all host states and counties. SPP-Evergreen staff coordinated the effort for Human Subjects Review (HSR) in both Ohio and Washington. In Washington, the surveys, associated methodology and consent forms required formal approval by



*Students at MCCCW fill out surveys intended to assess their knowledge and attitudes about astrobiology and learning and doing science. Photo by Ricky Osborne.*

Washington State Institutional Review Board (WSIRB). For both Evergreen and WA Corrections, this was the first—and thus the “test” — case for the newly required process. After mutual review and consults with WSIRB, we submitted our application in early December 2017. We received approval in January 2018.

Surveys were delivered at all WA Astrobiology events in April, submitted to University of Utah and NASA partners, and are undergoing analyses and review.

### Program Evaluation & Data Requests

SPP-Evergreen's existing program surveys had received RDA approval in the past, and thus continued. However, following state policy, RDA's current requirements call for review by WSIRB. As the intent of

these programs is to assess program quality, and *not* to generalize results, we anticipate these applications will *not* be considered “research” and we will hope to submit applications that require only the intermediate level of scrutiny.

Partners expect to repeat SPP-program data requests to better understand participant outcomes in July, 2019, following our biennial schedule. Likely, these requests will require a data-share agreement between Evergreen and WA Corrections, but do not require WSIRB review.

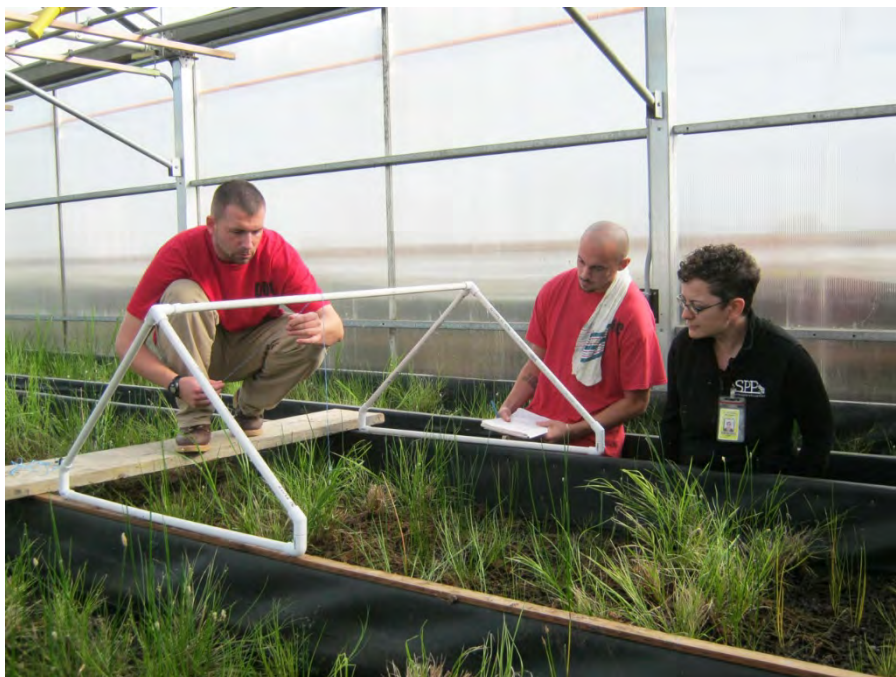
A summary of program evaluation plans is in Table 26.

**Table 26.** Program evaluation plans for review and requests; plans created in FY18 for FY19.

Evaluation program	category	WSIRB review?	Next steps
<b>Existing program SURVEYS</b>			
Workshop series surveys	Program eval	Yes	Ask WSIRB for pre-submission meeting; discuss possibility of grouping these 4 survey programs under one application.
Conservation program surveys	Program eval	Yes	
Nature imagery program surveys	Program eval	Yes	
Roots of Success surveys	Program eval	Yes	
<b>Repeating DATA REQUESTS</b>			
Roots of Success instructors: demographics, infractions, grievances, recidivism	Program eval	No	Submit for review early in 2019. Last data request ended June 30, 2017; this request will be for July 1, 2017 - June 30, 2019 data.
Roots of Success graduates: same measures as above	Program eval	No	
Conservation technicians: same measures as above	Program eval	No	

## Student Theses

Master of Environmental Studies student and Emergent Vegetated Matt (EVM) Nursery Coordinator Amanda Mintz conducted her thesis research on the use of compost tea to supply nutrients to the pre-vegetated mats at SCCC. She offered participation to the two technicians in the program at that time, and they enthusiastically joined her in data collections. RDA was notified of their involvement. As the incarcerated technicians were not themselves the



*EVM technicians Bedilion and Fuller collect data with graduate student Amanda Mintz, contributing to her Master in Environmental Studies thesis research. Photo by Carl Elliott.*



subject of the research, no HSR review was warranted.

Master of Environmental Studies student Bethany Shepler offered participation in her thesis to Roots of Success instructors and graduates and associated WA Corrections staff at SCCC. Several individuals volunteered to be informal advisors and contributors to Ms. Shepler's research, which is focused on environmental

motivation and identity in relation to place of origin for a target population *outside* of corrections. During the reporting period, Ms. Shepler met with the identified advisors four or five times; their review, feedback and ideas have been valuable to shaping the research question and associated surveys and methodology. As with Ms. Mintz's project, we notified RDA of the incarcerated individuals' involvement.



*Bethany Shepler (right) poses with some of her thesis advisors at SCCC. From the left, Cyril Waldron, Steven Allgoewer, David Duhaime (up), Anthony Powers, and Kelly Peterson. Photo by Kelli Bush.*



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## 10. SPP Network

### SPP-WA

Staff at SPP-[Evergreen](#) maintained contact with all Washington state prisons during FY18. With the exception of OCC, every prison in WA hosts one or more program coordinated by SPP-Evergreen—such as beekeeping, [Roots of Success](#), and ecological conservation programs—and program contacts are essential and routine. In addition, this has been an outstanding year for prisons’ responses to SPP-Evergreen’s inquiries of all kinds, including to the asks that inform this annual report. This connectivity has been hugely beneficial to boosting program recognition, and for creating greater capacity for better and more programs. Partners intend to continue aligning goals and honing communications in the coming year.

A summary of SPP-Evergreen’s significant new contacts within the state follows.

**Table 27.** Significant contacts in Washington State, SPP-Evergreen, FY18. (see [Appendix 3](#) for abbreviations)

New contact in FY18: Title/profession, organization	Interest in SPP
Justice Involved Students at Evergreen	Coalition Building to benefit currently and previously incarcerated students, especially individuals interested in attending Evergreen
Gateways for Incarcerated Youth	Gateways supported program at SCCC involves some SPP students and Roots instructors; sharing information and coordinating activities
Education Director, Washington Beekeepers Association	Aligning plans and resources to maximize beekeeping education in WA Corrections programs
Kiwanis Club for Federal Way	Asked for and hosted SPP overview presentation
University Beyond Bars	Identified overlapping interests and initiatives; began collaborating on education and activities in MCC’s Sustainable Practices Lab and composting programs, and developing new curricula and certifications
Tilth Alliance	Sought out new contacts who can inform and support composting and gardening programs at MCC
WA Corrections leadership	SPP-Evergreen made contact with incoming Directors and Administrators, including Deputy Secretary, Educational Director, Grants Administrator, Assistant Comptroller, Senior Research Manager, CI staff @ McNeil Island
WA Corrections	SPP-Evergreen made contact with incoming Superintendents, SPP program liaisons, and many other key facility staff
Manager, Fare Start	Former SPP Butterfly Technician now a Manager for Fare Start culinary program, joined SPP Advisory Panel
Senior Policy Advisor for Climate and Sustainability, Governor’s Office	Joined SPP Advisory Panel
GRACE Project	Supported Kitsap Conservation District project coordinator in creating media and outreach for the new program
L’Honey	Collaboration between L’Arche Farm and a local parish focused on beekeeping education and inclusion of vulnerable adults
Director of Development, Benton Franklin Humane Society	Consultation and support for developing and publication of essays describing participant experiences in Ridge Dog Program
Doris Duke Conservation Scholars	Hosted at Evergreen for presentation and discussion; offered to host an intern next summer
Community volunteer beekeepers	Supported their plans for beekeeping and education at McNeil Island Stewardship program
King County Dept. of Public Defense	Considering Nature Imagery Program for jail

## SPP Network-International

SPP-Evergreen continues to act as the primary point of contact for the SPP Network and is recognized by other countries, states, and counties for leadership in environmental education and nature programs in prisons. Interest and involvement in SPP-model programs continues to grow. New inquiries from other states and countries come regularly. Ongoing relationships and the learning exchange continues to flourish.



*NASA Astrobiology Program's Daniella Scalice presents to a packed hall at Noble Corrections Institution in Ohio. Photo by Joslyn Rose Trivett.*

Many new and repeat contacts this past year were through [Astrobiology for the Incarcerated](#) (Afl). The mission of Afl is to bring research and discoveries in astrobiology—understanding our origins and searching for life elsewhere in the Universe—to incarcerated learners across America. The partnership was initiated by NASA's Astrobiology Program, University of Utah, and SPP-Evergreen in November, 2016, and program development required a full year of communications and planning. During the reporting period, SPP-Evergreen's Joslyn Rose Trivett played the role of program coordinator for lecture series in Washington State and Ohio, and this included overseeing Human Subjects Review for program evaluation in both states (see [Evaluations](#) for more details).

Even though WA no longer hosts a [Sagebrush in Prisons](#) program, SPP-Evergreen maintains a productive relationship with the lead organization, the [Institute for Applied Ecology](#). This multi-state program represents the most established ecological conservation programs outside of WA, and there is much to gain from sharing their successes, updates, and best practices.

In FY18, nearly 30 *new* organizations and individuals contacted SPP-Evergreen to ask for information and resources, and all received substantive responses. Work with many *established* national and international partners continued as well, and those are listed in the second section of the table.

**Table 28.** National and International contacts, SPP-Evergreen, FY18. (see [Appendix 3](#) for abbreviations)

New contact in FY18: Title/profession, organization	Interest in SPP	State	Country (if not USA)
DOC Environmentalist, Alabama DOC	Learning about Roots of Success	Alabama	

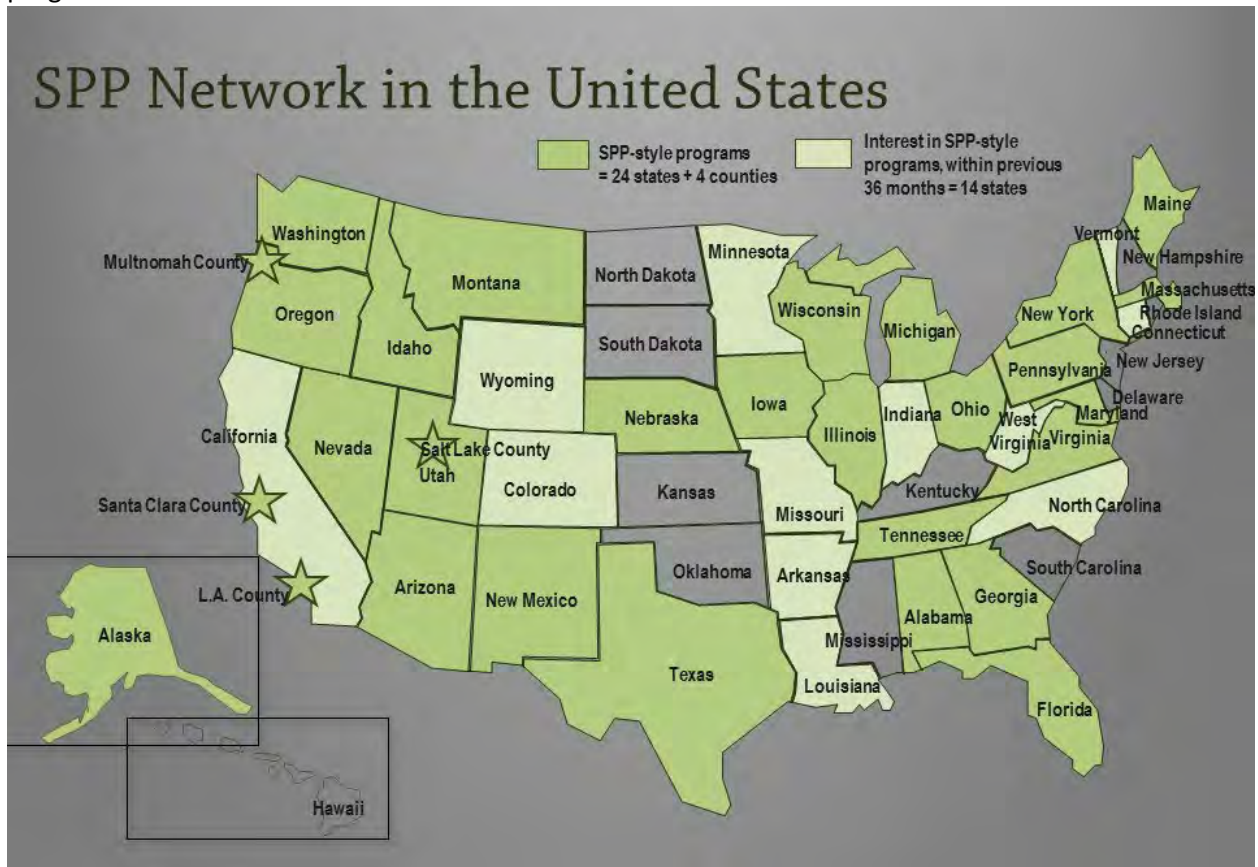
Assistant Director, University Sustainability Practices, Arizona State University	SPP as a reference for a Sustainable Forest Initiative grant, to operate a nursery.	Arizona	
Landscape Architecture Master's students, UC Hastings	Background for a thesis project, juvenile detention center in San Mateo County	California	
Santa Clara Sheriff's Office	Staff turnover; updating contacts	California	
Undergraduate Student, UC Berkeley	Looking for information on prison gardens and farms to include in their thesis	California	
The Cultural Conservancy; American Indian Studies, SFSU	Co-presenter for Earth Ed webinar	California	
Undergraduate Student, Colorado State University in Fort Collins	Provided interview on sustainability within prisons and social impacts	Colorado	
Florida Department of Corrections	Astrobiology in Prisons Program; environmental and science lectures	Florida	
Master's student	Studying sustainability in prisons. Husband is a Sgt in Idaho DOC.	Idaho	
Community & Mentor Engagement, Indiana Department of Correction	Interested in sustainability programs in Indiana correctional facilities.	Indiana	
SPC in US Army	Trying to start Master gardeners program in Fort Leavenworth at Mid-West Regional Correctional Facility	Kansas	
Mental Health Therapist and Instructor, University of Louisiana at Lafayette	Looking into starting a beekeeping program in one of their local prisons	Louisiana	
Former Evergreen student	Wants to do sustainability work in Maryland prison	Maryland	
Associate Certified Entomologist, Central Michigan University	Interested in starting a similar program in Michigan	Michigan	
Adult Basic Education teacher, Challenge Incarceration Program, MCF-Shakopee	Open to getting a butterfly program at MCF-Shakopee	Minnesota	
Plant Conservation Program Specialists, Bureau of Land Management, NM Office	Information about conservation nurseries in prisons	New Mexico	
New Mexico Community Foundation	Start prison garden programs to grow for prison kitchens and save resources.	New Mexico	
Student, Parsons School of Design	Interview for Capstone: research on/proposal for inmate-constructed, modular garden beds	New York	
Defy Ventures	Sharing organizational awareness; invitation to visit their program	California	
Officer, Michael Unit, Texas Dept of Criminal Justice 	Reviewing and publicizing aquaponics program and protocols, support for creating national herbs behind bars contest and presenting to national Aquaponics Association; connection to national partners  <i>Officer McLeon of Texas Dept of Criminal Justice presented at the national Aquaponics Association Conference in 2018; his willingness to be a corrections-based spokesperson for aquaponics in prison is invaluable!</i>	Texas	

Recent Master's graduate, Cleveland State U	Working on a feasibility study for teaching coding in a women's prison	Ohio	
Rehabilitation Technician & Trainer, Ohio Wildlife Center & SCRAM! Wildlife Control	Learning about WA programs	Ohio	
Ohio Corrections, prison leadership at 6 facilities	Astrobiology in Prisons	Ohio	
Lettuce Grow - Operations Coordinator, Growing Gardens	Wants to start a network of individuals and org's who work with gardens in prisons.	Oregon	
Local beekeeper from Philadelphia PA	Consult on how to get prison administrators on board with a prison bee program.	Pennsylvania	
PA Department of Conservation and Natural Resources	Offering arboriculture education and training to incarcerated students	Pennsylvania	
Administrative Assistant, Stony Mountain Institution, Correctional Service of Canada	Interested in started a bee program	Manitoba	Canada
Prison Officer, MBA Student at University of Cumbria	Research project on Sustainable Prisons involving multiple org's like Dissertations for Good (DFG) and the National Union of Students (NUS)	Cumbria	UK
Managing Chaplain, Chaplaincy Department	Exploring eco chaplaincy to complement existing work	Bristol	UK
<b>Most active <u>established</u> partners nationally and internationally, FY18</b>	<b>Interest in SPP</b>	<b>State</b>	<b>Country</b>
Multiple staff members at Institute for Applied Ecology	SPP program certifications and curriculum development	Oregon	
Associate Research Professor, Institute for Human-Animal Connection, U of Denver	Studying impacts of pet programs in prisons; supplied funding for Phase 2	Colorado	
University of Utah, all team members	Nature imagery in prisons	national	
Sustainability Programs Manager, Oregon Department of Corrections	SPP-Oregon	Oregon	
Freelance journalist & author, consultant at Shimane Asahi Rehabilitation Program Ctr	Interested in SPP programs in their area	International	Japan
Education and Communications Lead, NASA Astrobiology Program	Astrobiology lectures in prisons nationally	national	
Energy Conservation & Sustainability Administrator, Ohio Department of Rehabilitation and Correction	Astrobiology lectures, Roots of Success and sustainability program best practices	Ohio	
Writer and Documentary Filmmaker	Nature imagery nationwide	national	
SPP-Tasmania, Churchill Fellowship Award 2018	Coordinated 8 week west coast tour: 6 WA prisons, plus several prisons and jails in OR and CA	Tasmania	Australia
Ecology Lead for the UK Ministry of Justice Estates Cluster	Sharing contacts, best practices, and success stories	England	UK

National interest in SPP-model programming is also summarized in Figure 3 on the following page.



**Figure 3.** Implementation (shown in darker green) of and interest (shown in lighter green) in SPP model programs in the United States.



*During his tour of sustainability programs in the western United States correctional facilities, Dean Maddock of SPP-Tasmania listens to incarcerated beekeepers and Roots of Success instructors at AHCC. Photo by Bethany Shepler.*

## 11. Dissemination

### Presentations

In FY18, SPP staff at Evergreen (SPP-[Evergreen](#)) presented at a variety of venues to highlight specific programs or represent SPP as a whole. In addition, we attended numerous events at which we made informal or brief presentations representing the organization. A summary of presentations is given in Table 29; this table excludes presentations made within established programs.

**Table 29.** SPP-Evergreen Presentations, FY18; does not include in-program presentations (see [Appendix 3](#) for abbreviations)

Date	Presenter(s)	Title	Venue
8/2/17	Joslyn Rose Trivett	New sources of leadership and innovation: Community based sustainability	EarthEd Webinar, Security and Sustainability Forum
8/20/17	Kelli Bush, Steve Sinclair	Sustainability in Prisons Project	ACA in St. Louis
8/30/17	Erin Lynam, Emily Passarelli	SPP Overview	Kiwanis Club of Federal Way
9/15/17	Sadie Gilliom	SPP Tabling	Resource Fair, CCCC
9/20/17	Kelli Bush, Sadie Gilliom	SPP Tabling	Evergreen Convocation
9/29/17	Keegan Curry	SPP Tabling	MCCCW Women's Day
10/18/17	Joslyn Rose Trivett	Welcome and facilitated conversation	Climate Symposium, SCCC
11/3/17	Bethany Shepler	Acknowledgements	Roots of Success Graduation, MCC
11/22/17	Kelli Bush	SPP Overview and Conservation Programs	UW Restoration Ecology Class
12/19/17	Joslyn Rose Trivett	Nature Imagery: programs & benefits of contact with nature	WCC – SBU Classroom
1/10/18	Joslyn Rose Trivett	Nature Imagery: programs & benefits of contact with nature	WCC – SBU Classroom
1/23/18	Jacob Meyers	Acknowledgements	Beekeeping and prairie conservation certificate ceremony, SCCC
2/6/18	Kelli Bush	Acknowledgements	Composting Certificate Ceremony, MCC
3/10/18	Amanda Mintz, Jacob Meyers	SPP Overview & Bees	CCCC STEM Fair
3/10/18	Keegan Curry	Butterflies	CNLM Lunchtime Lectures
3/14/18	Jacob Meyers	SPP Overview & Recidivism	MPA Class
3/20/18	Carolina, Keegan, & Technicians	Butterflies	MCCCW
4/5/18	SPP Staff	SPP Overview	MES Admitted Students, Evergreen
4/12/18	Bethany Shepler	Construction and Removal of Elwha Dams	Lewis County Youth Detention Center
5/10/18	Carl Elliott, Amanda Mintz	SPP Tabling	Rachel Carson Forum, Evergreen

5/11/18	Kelli Bush and WSDOT partners	DOC, SPP, and WSDOT partnership opportunities	SCCC
6/6/18	Joslyn Rose Trivett	SPP Overview & Brand; SPP Shared Values	Advisory Panel
6/9/18	Carl Elliott	Prairie Plant Interpretation	Prairie Blitz, Wolf Haven

**Table 30.** WA Corrections staff and leadership presentations, reported for FY18 (see [Appendix 3](#) for abbreviations)

Date	Presenters	Title/topic	Venue	Focus areas
6/11/18	CCCC Supt Flynn, CPM Anderson	Sustainable programs and areas	CCCC/ Operational Auditors	Aquaponics, Woodpeckers, Turtles
8/3/18	CCCC Supt Flynn, CPM Anderson	Sustainable programs and areas	CCCC/Local Family Council	Aquaponics, Woodpeckers, Turtles
05/20/18	Kelly Peterson	All SPP Programs	Family Promise Community dinner fundraiser	Display of all SCCC SPP programs – Community awareness
06/19/18	Kelly Peterson	Joni & friends	Family Promise / Community Homeless Meeting	Community recycle / Wheelchair Collection
06/29/18	Kelly Peterson	Joni & friends	Landfill, local hospitals and nursing homes	Community recycle / Wheelchair Collection

## SPP Tours

SPP staff from Evergreen, and WA Corrections staff at each facility regularly host visitors interested in SPP programs. A summary of tours reported for FY18 is in Table 31; we believe this greatly underrepresents tours conducted by WA Corrections staff.

**Table 31.** Tours of SPP programs, FY18 (see [Appendix 3](#) for abbreviations)

Date	Location	Visitors	Program areas
7/27/17	SCCC	Coastal Harvest	All SPP Programs
8/28/17	AHCC	Local Family Council Members	MSU
9/19 – 9/21	SCCC	Atsuko Otsuka	All SPP Programs
2/15/18	SCCC	Max Calloway, MES student, kelp expert	EVM
3/09/18	SCCC	SPP Wetland Mat Tour	All SPP Programs
3/29/18	SCCC	JBLM, WDFW, Samish Nation and others	SCCC and EVM
4/04/18	SCCC	WA DOC Headquarters / Education	All SPP Programs / CI
4/09/18	SCCC	Family Promise Homeless Committee	All SPP Programs
4/20/18	SCCC	Uganda Volunteers	All SPP Programs
5/4/18	MCCCW	Karen Reagan and Zach Radmer, US Fish and Wildlife Service	Butterfly Program
5/11/18	SCCC	WSDOT, WA Corrections & SPP	All SPP Programs
5/11/18	SCCC	WSDOT and DOC	SCCC and EVM
5/18/18	SCCC	Isabell Leigh, UW-Tacoma student	Roots of Success, other SPP Programs
5/21/18	WSP	Dean Maddock, SPP Tasmania	All SPP Programs
5/22/18	CRCC	Dean Maddock, SPP Tasmania	All SPP Programs
5/24/18	AHCC	Dean Maddock, SPP Tasmania	All SPP Programs
5/30/18	SCCC	Coastal Harvest	All SPP Programs



5/30/18	MCC	Dean Maddock, SPP Tasmania	All SPP Programs
6/04/18	SCCC	Dean Maddock, SPP Tasmania	All SPP Programs
6/5/18	CCCC	Dean Maddock, SPP Tasmania	All SPP Programs
6/7/18	AHCC	Atsuko Otsuka, Japanese Ministry of Justice	Main and MSU
6/10/18	SCCC	Tracy Grunenfelder	All SPP Programs / CI
6/12/18	SCCC	Joni & Friends Representatives	All SPP Programs
n/a	CCCC	Local Family Council	All SPP programs
n/a	CCCC	Safety Audit Team	All SPP programs
n/a	CCCC	Operations Audit Team	All SPP programs

## Academic Publications, Projects, and Internships

### Academic Publications

SPP-Evergreen did not write for academic publications in FY18.

### Graduate Student Theses and Capstones

During FY18, SPP-Evergreen supported three graduate students in activities toward the culminative academic work to satisfy their degree:

- Erin Lynam, Master of Public Administration (MPA) candidate, completed her capstone proposing a credit bearing, adult prison education program at Evergreen.
- Amanda Mintz, Master of Environmental Studies (MES) candidate, conducting thesis research on the effects of using compost tea as a nutrient supplement for the pre-vegetated mats.
- Bethany Shepler, MES candidate, consulted with environmental education experts incarcerated at SCCC on the research question, surveys, and methodology for her thesis research (see [Student Theses](#) for further details on both MES projects).



*Erin Lynam presents her capstone at the Summit for Justice Involved Students at Evergreen. Photo by Keegan Curry.*

SPP-Evergreen provided informal support to numerous additional students, some of which are described in the [Network](#) section.



During the spring and summer 2018, incarcerated technicians in MCC-WSR's composting program assisted a University of Washington graduate student with [scientific trials](#) in the prison garden. The research question is to determine the impacts various soil treatments on vegetables produced. The test plots are treated with two types of finished compost from the prison program, and harvested vegetables will be tested for levels of key elements that have been shown to improve human health.



*UW Faculty Dr. Sally Brown and a vermiculture technician harvest from a trial plot. Photo courtesy of University Beyond Bars.*

## Internships

Kelli Bush supported the following internships with Evergreen Master of Environmental Studies students:

Spring 2018, Keegan Curry, SPP Butterfly Program: Captive Breeding, Training Documentation, and Coordinating a Field Site Visit for Program Participants

Fall 2017, Jessica Brown, Endangered Western Pond Turtle Rehabilitation and Environmental Education with Sustainability in Prisons Project

## Media Coverage

In FY18, SPP-WA was featured in more than 31 stories from local, regional, and international media outlets. The table below includes all of the pieces SPP-Evergreen staff tracked during FY18. Links for each of the pieces are available on SPP's website in our press [archive](#).



*Washington Secretary of State published a [blog](#) on AHCC's accomplished beekeeping program, including certification of 16 incarcerated beekeepers at the journeyman level!*

**Table 32. SPP Media FY18**

Date	Paper/Source	Author	Title
7/19/2017	KATU News	Stuart Tomlinson	Endangered butterfly lab at Coffee Creek Prison nurtures insects and inmates
7/27/2017	Shelton-Mason Journal	Dana Kampa	Tending to the bees – Mission Creek Corrections Center turns inmates into bee-lievers
8/30/2017	seattle refined	Kelly Blake and Sy bean	Why locals are taking their pets to this Gig Harbor prison
9/1/2017	Nature News	Gabriel Popkin	Nature videos help to calm inmates in solitary confinement
9/10/2017	The Argus Observer	Hunter Marrow	Educating inmates — Lectures 'bring science and nature' into prison
9/30/2017	Pet Connection Magazine	n/a	Freedom Tails: Second Chances, Compassion, and Connections Behind Bars

10/4/2017	Real Change	Taylor McAvoy	Fertile ground: Sustainable practices in prison lead to sustainable futures
10/26/2017	Correctional News	n/a	Snake River Study Shows Nature Scenes Help Calm Prison Inmates
10/27/2017	Yes! Magazine	Sarah van Gelder	How Inmates, Scientists, and Government Workers Are Teaming Up to Save This Butterfly
11/8/2017	Climate Interactive	Shanna Edberg	Learning Conservation in Prison
12/12/2017	The Planet Magazine	Jonathan Flynn	The Gated Garden
12/21/2017	University Beyond Bars	n/a	UBB Student Spotlight - Nick Hacheney
1/2/2018	Jefferson Land Trust	n/a	Report from the Field: Mission Creek Corrections Center Partnership
1/18/2018	Washington State Governor's Office	n/a	Trained for success: Corrections program promotes rehabilitation, sustainability
1/25/2018	GreenBiz	Sarah Hicks	Environmental programs grow a better prison system
2/21/2018	Wilsonville Spokesman	Corey Buchanan	Coffee Creek inmates help sustain endangered butterflies
2/23/2018	Utrecht University Teaching Academy	Chiara Robbiano	A mind blowing visit to Evergreen State College — a multi-authored report
2/26/2018	Washington Secretary of State Blog	Sue Box	Beekeepers at the Airway Heights Corrections Center
3/2/2018	Works in Progress	Joslyn Rose Trivett	The pursuit of happiness at the Stafford Creek Corrections Center
3/13/2018	docDIGEST	Kelli Bush	Sustainability in Prisons Project at Washington Corrections Center for Women
3/18/2018	Maine Press-Herald	Meredith Goad	The Trailblazer: Maine State Prison teaches inmates to garden, compost, recycle
3/20/2018	Wings Worldquest	Bianca Fortis	Women of Discovery: Q&A With Nalini Nadkarni
4/11/18	PBS Nature	Ann Prum	How to Save a Butterfly
4/16/2018	Jefferson Public Radio	Courtney Flatt	Captive Raised Lambs Could Be The Best Thing To Happen To Bighorn Sheep
4/17/2018	Oregon Public Broadcasting	Courtney Flatt	Captive-Raised Lambs Could Be The Best Thing To Happen To Bighorn Sheep
4/17/2018	Yak Tri News	Tori Youngblood	Prison inmates raise sheep for conservation efforts
4/17/2018	Union-Bulletin.com	Andy Porter	Domestic sheep program aims to ease problems for bighorns
5/1/2018	BioCycle	Nick Hacheney & Kelli Bush	Science + Prisons Create Innovative Solutions
6/5/2018	Yale Climate Connections	Daisy Simmons	These inmates are learning about climate change
6/22/2018	Washington State University	n/a	Monarchs ride west coast winds: Proof of butterfly migration from WSU & citizen scientists
6/28/2018	The Columbian	Annette Cary	Could monarch butterflies disappear?
6/30/2018	91.3 KBCS	n/a	Incarcerated Women: Sustainability In Prisons Project

## Outreach

### In-Print

Most of SPP-Evergreen's printed outreach are intended for in-prison viewing and distribution. In FY18, we produced and provided a wide range of outreach and education materials for several prisons, including:

- New SPP overview for wide distribution
- SPP one-pager for inmates to pilot as part of reception at CRCC, SCCC, and WCC (general population only), printed 1200 and distributed them to those facilities
- New beekeeping posters for CBCC and MCCCW.
- Nature imagery flyers for WCC and MCC-SOU
- SPP Overview slides for SCCC
- One pagers for new sheep program, prairie conservation nurseries, and EVM nursery
- Five post-cards representing key themes, distributed to partners and within many programs
- New thank you cards
- SPP lapel pins
- SPP t-shirts
- Summer 2017 and Winter 2018 Newsletters published on schedule and distributed widely via email, website, and print

### Online

For SPP's website (<http://sustainabilityinprisons.org>), SPP-Evergreen staff wrote or adapted and published 50 [posts](#). In addition, we made substantive changes to nearly every active page—and there are more than 50!—updating information and improving accessibility. Based on excellent input from WA Corrections Director of Communications, we entirely revamped the website homepage.

SPP's main outlets for social media are Facebook ([www.facebook.com/sustainabilityinprisons](http://www.facebook.com/sustainabilityinprisons)) and twitter ([twitter.com/SPP\\_WA](https://twitter.com/SPP_WA)). On Facebook, we posted on a wide variety of topics, and our Likes increased from 1,781 to 1,925. The posts that attracted the most attention were:

**Table 33.** Most popular Facebook posts FY18.

Subject	Origin	# of People Reached	# of Likes, Comments, Shares	Date
From a new butterfly technician working at Coffee Creek	SPP-Oregon	3,300	113	July 20, 2017
YES! Magazine article with insights from Fawn Harris	Repost	2,800	32	October 30, 2017
More states restoring voting rights for formerly incarcerated	Repost	2,700	18	November 9, 2017
Article on the Oregon's Taylor's checkerspot	SPP-Oregon	2,600	113	February 28, 2018
Gazettetimes article on Sagebrush in Prisons	SPP-Oregon	2,200	10	November 9, 2017
Press Herald article on Maine's DOC success with gardening and horticulture	Repost	2,100	108	March 19, 2018
Video on Gateways for Incarcerated Youth	Repost	2,100	51	October 17, 2017
Carl Elliott receives restoration award	SPP-Evergreen	2,100	81	November 1, 2017

Video on Yoga Behind Bars and some of their students	Repost	1,900	71	July 19, 2017
Correctional Facility Adopts Multiple Food Scraps Practices	MCC-WA Corrections	1,600	19	October 24, 2017
John Fitzpatrick of Cedar Creek awarded scholarship	WA Corrections	1,500	34	October 26, 2017
New conservation program at Cedar Creek	SPP-Evergreen	1,500	78	November 22, 2017
Jacob Meyers reflects on time at SPP: Reducing Recidivism Part 1	SPP-Evergreen	1,500	102	February 12, 2018
SPP Evergreen's directors – two amazing women	SPP-Evergreen	1,400	<b>201</b>	December 11, 2017
What sagebrush means to me – from an incarcerated technician	SPP-Evergreen	1,400	43	August 11, 2017
First Climate Change Symposium in October!	SPP-Evergreen	1,300	74	December 18, 2017

On Twitter, we increased our followers by 44 and had 1,790 people visit our page. Highlights:

- SPP tweeted 94 times and made over **91,000** impressions
- We gained an additional 44 followers (364 followers at end of FY 18)
- 1,790 people visited SPP's twitter page
- 6 tweets made over 2,000 impressions
- 2 tweets made over 5,000 impressions
- Our tweets that attracted the most attention:

**Table 34.** Most popular Twitter posts FY18.

Subject	# of Impressions	# of Interactions/ Engagements	Date
SPP Evergreen's directors – two amazing women	<b>6,600</b>	72	December 11, 2017
SPP Summer Newsletter	5,700	45	September 5, 2017
Bethany Shepler's first months at SPP	4,800	37	November 28, 2017
Earth Ed Webinar	3,600	<b>89</b>	July 26, 2017
Blog on sheep program	2,200	56	April 13, 2018
PBS features Taylor's Checkerspot rearing program at MCCCW	2,200	19	April 13, 2018

## Awards

For FY18, three prisons were recognized for excellence; these awards are summarized in the table below.

**Table 35.** Awards, FY18.

Date	Awarding body	Recipient: person and/or program	Award Name
May 2018	SNAP Spokane	AHCC Firewood program	Community Partner of the Year
August 2017	WA Department of Ecology	CCCC Waste Water Treatment Plant	2017 Outstanding Wastewater Treatment Plant Award
2017	WA Department of Ecology	OCC Waste Water Treatment Plant	2017 Outstanding Wastewater Treatment Plant Award



## Appendix 1. SPP Program in Washington State Prisons FY18


We reported on 204 SPP programs in Washington State's 12 prisons this year; see Table 36, below. Several additional programs were in development during the reporting period, and most of those are not indicated here. For links to programs, partner organizations, and highlights for each program, see <http://sustainabilityinprisons.org/what-we-do/spp-programs-in-washington-state-prisons-v2/>

**Table 36. SPP-WA Programs**

### [Airway Heights Corrections Center \(AHCC\)](#)

<u><a href="#">Roots of Success, environmental course</a></u>
Beekeeping
Vegetable gardens: Minimum
Vegetable gardens: Main
Horticulture
Diversity Garden
Flower gardens
Pollinator forage and habitat
Waste sorting & recycling
Worm farm: MSU
SPL: Quilting
Computers 4 Kids
<u><a href="#">Pawsitive dog training – prison program</a></u>
Nature imagery
Firewood donation

### [Clallam Bay Corrections Center \(CBCC\)](#)

<u><a href="#">Roots of Success, environmental course</a></u>
<div> <div>Beekeeping</div> <div> <p><i>Beekeeping students at CBCC examine materials brought in by beekeeping expert Mark Urnes of North Olympic Peninsula Beekeepers Association. CBCC's bee program launched in 2017, and it is thriving. Photo by Bethany Shepler.</i></p> </div> </div>

Vegetable gardens
Flower gardens
Ozette potato program

Dog training and adoption
Cat program
Water catchment
Waste water treatment
Waste sorting & recycling

### [Cedar Creek Corrections Center \(CCCC\)](#)

Community College horticulture
Aquaponics
Construction: tiny homes and wildlife habitat
<u><a href="#">Beekeeping</a></u> – CCCC
Beekeeping – McNeil Island
<u><a href="#">Western pond turtle care</a></u>
Woodpecker nest predation study
Vegetable gardens
Flower gardens
Waste sorting & recycling
Large-scale composting
Waste water treatment
Water use reduction and catchment
Training dogs for veterans

### [Coyote Ridge Corrections Center \(CRCC\)](#)

<u><a href="#">Roots of Success</a></u> , environmental course
Sustainability Lecture Series
Sustainability Passport
Heritage Garden
Gardens: Minimum
Plant and animal habitat: bird boxes, pollinator boxes
Native plant and pollinator enhancement, inside and outside the fence
Beekeeping
Worm composting: main and minimum
Composting
Waste sorting & recycling
<div> <p><i>This is Bentley, a puppy Bethany Shepler met on a tour of CRCC in November, 2017. He made an impression. Photo by Bethany Shepler.</i></p> </div> <div> </div>

Mother and kitten foster
Toys for Tots
Teddy bears from reclaimed materials

### **Larch Corrections Center (LCC)**


<a href="#">Roots of Success, environmental course</a>
Western pond turtles care
Beekeeping
Plantain, food source for Taylor's checkerspot butterfly
Bird feeders
Gardens
House plants
Large-scale composting
Waste sorting & recycling
Waste reduction
Food waste reduction
Wood craft donations
Larch Dog Adoption Program
Larch Cat Adoption Program

### **Mission Creek Corrections Center for Women (MCCCW)**

<a href="#">Roots of Success, environmental course</a>
<a href="#">Taylor's checkerspot butterfly program</a>
Bird boxes
Beekeeping
GRACE (Gardening for Restoration and Conservation Education) Project
Vegetable gardens
Flower gardens
Small-scale composting
Conservation crews
Waste sorting & recycling
Water use reduction & catchment
Pawsitive Prison Project
House plants

### **Monroe Correctional Complex (MCC)**

<a href="#">Roots of Success, environmental course</a>
House plants
Bird houses and hummingbird feeders
Flower gardens, boxes, baskets
Waste sorting & recycling
Water use reduction & catchment

Waste Water Treatment Certification
<b>SOU</b>
Vegetable gardens
Cat program
Nature imagery
Beekeeping
<b>TRU</b>
Vegetable gardens
Dog training and adoption
Craft donation
Beekeeping
<p><i>Sue Collins and Michael Hathaway promote MCC-TRU's beekeeping program at the Evergreen State Fair. Photo by Bethany Shepler.</i></p> 
<b>WSR</b>
Composting programs: worm farm, black soldier flies, bokashi
City of Monroe public flowers
SPL Bicycles
SPL Wheelchair program
SPL Woodshop
Bird habitat
Vegetable gardens

### [Olympic Corrections Center \(OCC\)](#)

Gardens
Community College horticulture
Pollinator-friendly plantings
Flower gardens, boxes, baskets
Water features
Large-scale composting
Waste sorting & recycling
Solar power
Waste Water Treatment
Water catchment
Wood shop



Dog training and adoption
Green Building
Firewood

### **Stafford Creek Corrections Center (SCCC)**

<a href="#">Roots of Success, environmental course</a>
Environmental Workshop Series
Seed to Supper
Prairie Conservation Nursery
Emergent Vegetation Mats
Beekeeping
Gardens and greenhouses
Lifer Garden
Pollinator plantings
Bird houses
Food Bank fundraisers
Large-scale composting
Waste sorting & recycling
Water catchment
Bicycle Repair
Wheelchair Repair
<a href="#">Freedom Tails</a>
Service dogs for veterans
Flower gardens, boxes, baskets
Construction: projects to benefit homeless

### **Washington Corrections Center (WCC)**

Roots of Success, environmental course
Environmental Workshop Series
Prairie Conservation Nursery
Beekeeping
Horticulture
Gardens & greenhouses
Plant starts
Construction: bus stops, tiny homes, bird houses, Neighborhood Pantry project
Flower gardens
Nature Imagery
House plants
Large-scale composting
Waste sorting & recycling
Shoe & clothing repurposing
Training dogs for veterans

## Washington Corrections Center for Women (WCCW)

[Roots of Success](#), environmental course

[Environmental Workshop](#) Series

[Prairie Conservation Nursery](#)

Gardens & greenhouses

Pollinator plantings

Horticulture

[Prison Pet Partnership](#)

*A dog gets a bath in the Prison Pet Partnership at WCCW, likely the first prison pet program in the country. Photo by Joslyn Rose Trivett.*



Beekeeping

Chickens

Mother Earth Farm

Large-scale composting

Bicycle Repair

Quilts and other fabric crafts

Waste sorting & recycling

Electric vehicles

Lighting upgrades

## Washington State Penitentiary (WSP)

Monarch program

Gardens & greenhouses: Institutional Sustainability Garden

Composting, main

Waste sorting & recycling

Electrical upgrades

Water conservation

Kitten program

**MSU**

Beekeeping

Sheep conservation program

**SPL**

Bicycle Refurbish
Wood Shop
Wood Carving
Learning Center
Aquaculture and Aquaponics
Indoor plants
Worm Farm
Furniture Repair
Sign Shop
Teddy Bears
Quilting
Sagebrush Conservation Nursery
Roots of Success, environmental course
Green Zone
Green Zone composting
Water treatment systems



*A Roots of Success student at WSP writes in his workbook. Photo by Bethany Shepler.*

## Appendix 2. SPP Programs Partners in Washington State Prisons

Complementing the efforts of founding partners, WA Corrections, and Evergreen, program partners contributed to almost every SPP program. Most programs would not be possible without their input, enthusiasm, and resources. In FY18, we have 158 known (reported) partners. Considering that WSP's Sustainable Practices Lab has donated program creations to more than 400 charitable organizations, we know the actual number is far greater!

**Table 37.** SPP-WA Partners (Partnering with WA Corrections, Evergreen, or both)

<a href="#">Adam County Pet Rescue</a>
<a href="#">ARC of Tri-Cities</a>
<a href="#">Bee Thinking</a>
<a href="#">Benton Franklin Humane Society</a>
<a href="#">Blessings Under the Bridge</a>
<a href="#">Blue Mountain Humane Society</a>
<a href="#">Blue Mountain Action Council</a>
<a href="#">Brigadoon Service Dogs</a>
<a href="#">Bureau of Land Management</a>
<a href="#">Calbag Metals</a>
<a href="#">Calm Waters</a>
<a href="#">Canyon Creek Cabinet Company</a>
<a href="#">CASA</a>
<a href="#">Center for Natural Lands Management</a>
<a href="#">Central Kitsap Food Bank</a>
<a href="#">Centralia College</a>
<a href="#">Cherish our Children</a>
<a href="#">Christian Aid Center</a>
Christian Charities Mission
<a href="#">City of Monroe</a>
<a href="#">City of Sultan</a>
<a href="#">Clark County Beekeeping Association</a>
<a href="#">Coastal Community Action Senior Center</a>
<a href="#">Coastal Harvest</a>
Community Beekeepers
<a href="#">Community Youth Services</a>
<a href="#">Cornell Lab of Ornithology</a>
<a href="#">Correctional Industries</a>
<a href="#">Diamonds in the Ruff</a>
<a href="#">Domestic Violence Services of Snohomish County</a>
<a href="#">Everett Police Department</a>
Evergreen Hospice
<a href="#">Farm to School</a>
<a href="#">Forks Chamber of Commerce</a>
Forks Gamers Group
<a href="#">Forks Lions Club</a>
<a href="#">Forks Soroptimists</a>
<a href="#">Franklin County Sheriff's Office</a>
<a href="#">Friends of Puget Prairies</a>
<a href="#">Giving Tree</a>
Gospel Mission
<a href="#">Great Peninsula Conservancy</a>
<a href="#">Habitat for Humanity</a>



<a href="#">Harbor Association of Volunteers for Animals (HAVA)</a>
<a href="#">Harvest Now</a>
Holy Rosary Church
<a href="#">Hood Canal School District</a>
Hope Crew
<a href="#">Humane Society for Southwest Washington</a> <div> <p><i>LCC's dog and cat programs are a partnership with the Humane Society for Southwest Washington. Photo by Sadie Gilliom.</i></p>  </div>
<a href="#">I-CON Systems, Inc.</a>
<a href="#">Institute for Applied Ecology</a>
<a href="#">Interfaith Family Shelter</a>
<a href="#">Jefferson Land Trust</a>
<a href="#">Joint Base Lewis-McChord</a>
<a href="#">Kalaloch Lodge</a>
<a href="#">Kitsap Humane Society</a>
<a href="#">Kitsap Conservation District</a>
<a href="#">Kitsap County Public Works</a>
<a href="#">Kiwanis Hoodsport</a>
KNS Recycling
<a href="#">Lamb Weston</a>
<a href="#">Lettuce Grow</a>
<a href="#">Lions Club</a>
<a href="#">Little Bit Therapeutic Riding Center</a>
<a href="#">Little Earth Farm</a>
<a href="#">Low Income Housing Institute</a>
<a href="#">Marysville Police Department</a>
<a href="#">Master Composters</a>
<a href="#">Master Gardeners</a>
<a href="#">Mid Columbia Beekeepers</a>
<a href="#">Millers Homestead</a>
<a href="#">Monroe Community Senior Center</a>
<a href="#">Monroe Police Department</a>
<a href="#">Mother Earth Farm</a>
<a href="#">NASA Astrobiology Program</a>
<a href="#">Nature Imagery in Prisons Project</a>
<a href="#">North Olympic Peninsula Beekeepers Association</a>
<a href="#">Northwest District Beekeepers Association</a>
<a href="#">Olycap</a>
<a href="#">Olympia Beekeepers Association</a>

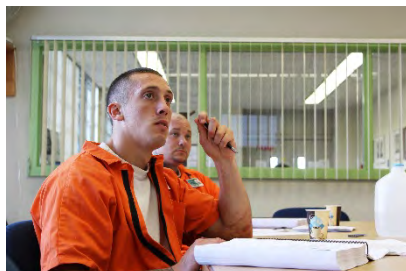
<a href="#">Olympic Anglers</a>
<a href="#">Olympic Peninsula Humane Society</a>
<a href="#">Oregon Food Bank</a>
<a href="#">Oregon State University Extension Service</a>
<a href="#">Oregon Zoo</a>
<a href="#">Over the Rainbow Fabrics</a>
<a href="#">PAWS</a>
<a href="#">Peninsula College</a>
<a href="#">PPL Electric Utilities</a>
<a href="#">Project 41</a>
<a href="#">Providence Hospital</a>
<a href="#">Purrfect Pals</a>
<a href="#">Quileute High School</a>
<a href="#">Quileute Tribe</a>
<a href="#">Quillayute Valley Scholarship Auction</a>
<a href="#">Quillayute Valley School District</a>
<a href="#">Rainbow Center</a>
Real Food Network
<a href="#">Relay for Life</a>
<a href="#">Roots of Success</a>
<a href="#">Rotary First Harvest</a>
<a href="#">Sarge's Place for Homeless Vets</a>
School Districts— <a href="#">OSPI</a> and DES
<a href="#">Seattle Children's Hospital</a>
<a href="#">Second Harvest Food Bank</a>
<a href="#">See the Bees</a>
<a href="#">Set Free Christian Fellowship</a>
<a href="#">SimpliHome Furniture LLC</a>
Shelton Community Kitchen
<a href="#">Shriners Hospital for Children</a>
<a href="#">SNAP Spokane</a>
Snohomish Beekeepers
<a href="#">Snohomish County Boys &amp; Girls' Club</a>
<a href="#">Snohomish County Sheriff's Office</a>
<a href="#">SpokAnimal</a>
<a href="#">Summit Assistance Dogs</a>
<a href="#">Sunshine and Rainbows Child Development Center</a>
<a href="#">Symbiotic Cycles</a>
<a href="#">Swedish Hospital</a>
<a href="#">Tacoma Community College</a>  <div> <div> <p><i>Horticulture students in Tacoma Community College's program at WCCW harvest potatoes from one of the many gardens in the prison yard. Photo by Joslyn Rose Trivett.</i></p> </div> <div>  </div> </div>
Teen Aid

<a href="#">The City Reach Food Bank</a>
<a href="#">The Saint's Pantry Food Bank</a>
<a href="#">The Shelton Community Kitchen</a>
<a href="#">Thurston County Food Bank</a>
<a href="#">Tilth Alliance</a>
<a href="#">Timber Museum</a>
<a href="#">Tri-Cities Toys for Tots</a>
<a href="#">Tumwater School District</a>
<a href="#">Unidos por Puerto Rico</a>
<a href="#">University Beyond Bars</a>
<a href="#">University of Utah</a>
<a href="#">University of Washington Ecosystem Science Division</a>
<a href="#">U.S. Fish and Wildlife Service</a>
<a href="#">U.S. Forest Service</a>
Veteran's Housing Project
Walla Walla <a href="#">Police</a> and <a href="#">Sheriff's</a> Department
<a href="#">Washington Department of Ecology</a>
<a href="#">Washington Department of Fish and Wildlife</a>
<a href="#">Washington Department of Natural Resources</a>
<a href="#">Washington State Department of Transportation</a>
<a href="#">Washington State University Department of Entomology</a>
<a href="#">Waste Connections</a>
<a href="#">Waste Management</a>
<a href="#">Welfare for Animals Guild (WAG)</a>
<a href="#">West Columbia Gorge Humane Society</a>
Westlake Shelter
<a href="#">West Plains Beekeepers Association</a>
<a href="#">Westport Shipyard</a>
<a href="#">West Sound Beekeepers Association</a>
<a href="#">West Sound Wildlife</a>
<a href="#">Wheels for the World</a>
<a href="#">Wolf Haven International</a>
<a href="#">Woodland Park Zoo</a>
Women and Children Rescue Mission
<a href="#">Women's Shelter of Monroe</a>
<a href="#">WSU Extension, Pierce County</a>
<a href="#">YWCA</a>
158 reported organizations + 100's more charities receiving donations

## Appendix 3. Abbreviations

**Table 38.** Common abbreviations found in FY18 Report.

<b>Prisons</b>	
AHCC	Airway Heights Corrections Center, Airway Heights (near Spokane)
CCBC	Clallam Bay Corrections Center, Clallam Bay (northwest Olympic Peninsula)
CCCC	Cedar Creek Corrections Center, Littlerock
CRCC	Coyote Ridge Corrections Center, Connell (south, central Washington)
LCC	Larch Corrections Center, Yacolt (northeast of Vancouver)
MCC	Monroe Correctional Complex, Monroe (northeast of Seattle)
MCC-SOU	Monroe Correctional Complex, Special Offender Unit
MCC-TRU	Monroe Correctional Complex, Twin Rivers Unit
MCC-WSR	Monroe Correctional Complex, Washington State Reformatory
MCCCW	Mission Creek Corrections Center for Women, Belfair (Kitsap Peninsula)
OCC	Olympic Corrections Center, Forks
SCCC	Stafford Creek Corrections Center, Aberdeen
WCC	Washington Corrections Center, Shelton
WCCW	Washington Corrections Center for Women, Gig Harbor
WSP	Washington State Penitentiary, Walla Walla
WSP-MSU	Washington State Penitentiary, Minimum Security Unit
WSP-BAR	Washington State Penitentiary, Baker Adams Rainier Unit
<b>Organizations</b>	
ABKA	American Boarding Kennel Association
CI	Correctional Industries
CNLM	Center for Natural Lands Management
DNR	Department of Natural Resources
DoD	Department of Defense
Evergreen	The Evergreen State College
IAE	Institute for Applied Ecology
JBLM	Joint Base Lewis-McChord
NSF	National Science Foundation
OR Zoo	Oregon Zoo
SPL	Sustainable Practices Lab
SPP	Sustainability in Prisons Project
USFWS	U.S. Fish and Wildlife Service
WA Corrections	Washington State Department of Corrections
WDFW	Washington Department of Fish and Wildlife
WPZ	Woodland Park Zoo
WSDOT	Washington State Department of Transportation
WSIRB	Washington State Institutional Review Board





# SPP's Year in Photos, 2017-2018



Above, two students of SPP's longstanding workshop series at Stafford Creek Corrections Center (SCCC) show off their program certificates following an award ceremony. Photo by Liliana Caughman.

This year, partners gave new focus to SPP's certificate programs. Building on several years' work, SPP-Evergreen solidified a proposal to award college credit for SPP certificated-internships during incarceration; the next step is to find a viable process for these awards. We also launched two new certificate programs with awards for composting technicians at Monroe Correctional Complex (MCC; pictured below preparing an award ceremony speech; photo by Kelli Bush), and to Roots of Success Instructors who have taught the 50 hour curriculum three or more times.





In a new partnership with the US Forest Service, partners started a woodpecker video monitoring program at Cedar Creek Corrections Center (CCCC). Biologists trained technicians to observe and record data from video footage, for a study on woodpecker nest predation. Previously, only graduate students have contributed to the project, but CCCC's technicians have effectively embraced the program and partners are planning expansion to a second prison. Photo by Jessica Brown



Late in 2016, SPP-Evergreen and University of Utah joined NASA to found a national program called Astrobiology for the Incarcerated. This year, Evergreen staff joined program sessions in Utah and Ohio, and facilitated five sessions in WA prisons. In this photo, Dr Drew Gorman-Lewis of University of Washington describes his research to students at Airway Heights Corrections Center. Photo by Kelli Bush.





Over the last few years, Washington State Penitentiary (WSP)'s Electrical Department has replaced many conventional light fixtures with more efficient LEDs (Light Emitting Diodes). These retrofits require time and money up front, but the expected payoff is substantial. Energy savings from each project should pay off installation cost in one to six years and savings will continue beyond the initial pay back period. Photo courtesy of Jim Atteberry.



This past year, SPP's Advisory Panel expanded to 14 members, representing formerly incarcerated partners, corrections, conservation, and education. Pictured here, Reed Schuler, Senior Policy Advisor for Climate and Sustainability for the Governors' Office, talks about SPP values with a prison superintendent, three members of SPP-Evergreen staff, and a member of Evergreen's faculty. Photo by Joslyn Rose Trivett.





WA Dept. of Fish and Wildlife, corrections staff, SPP-Evergreen, and sheep experts launched a new Sheep Husbandry program at WSP in the fall of 2017. The program aims to raise domestic sheep free of a pathogen that can be transmitted to—and is lethal for—wild bighorn sheep. The program required a few years of planning, and a successful inaugural season bodes well for 2019. Photo by Kelli Bush.



Following the statewide beekeeping summit in 2017, bee programs are booming! Eleven of WA's 12 prisons host programs. MCC hosts two, and incarcerated bee technicians from CCCC tend bees at the prison and at a new program on McNeil Island, pictured above. Enthusiasm for these programs can hardly be overstated. Photo by Bethany Shepler.





Two community service crewmembers from Mission Creek Corrections Center (MCCCW) work in the GRACE Project garden. The GRACE Project is a new initiative of the Kitsap Conservation District and stands for Gardening for Restoration and Conservation Education. In the first year of the program, MCCCW has been able to help grow ~11,000 lbs. of produce for area food banks. Photo by Keegan Curry.



It was an outstanding year for the Taylor's checkerspot butterfly program hosted by MCCCW. Incarcerated technicians set a new record, yielding 8,000 butterfly eggs in one season. They also hosted many high-level visitors and toured WDFW prairie sites. In this photo, Biologist Mary Linders shows the technicians which areas of the prairie are currently occupied by reintroduced butterflies. Photo by Keegan Curry.





This past year, a group of formerly incarcerated students currently attending The Evergreen State College formed a leadership group for justice involved students. Their work has catalyzed coalition building among justice-involved organizations and individuals, on Evergreen’s campus and beyond. For SPP-Evergreen staff, their efforts and input have been invaluable. Photo by Keegan Curry.



In the wetland conservation nursery at SCCC, technician Brian Bedilion tells partners from WA Dept. of Transportation (WSDOT) and Joint Base Lewis-McChord (JBLM) about his experiences in the program. SPP has initiated a promising partnership with WSDOT Environmental Services to provide education and training during incarceration and to reduce employment barriers for WSDOT career pathways post-release. Photo by Ricky Osborne.