2014

Sustainability Report

Contents

2014 SUSTAINABILITY REPORT

Executive Summary

This report details the continued efforts by DTP and its project partners to incorporate sustainability practices into the culture and daily operations on the Eagle P3 Project during 2014, as well as efforts relating to the three areas of the project's triple bottom line (TBL) – economic, social and environmental sustainability. Highlights of these efforts include:

- **Organizational Sustainability:** Through the continued implementation of DTP's adopted Sustainability Policy, monthly tracking and reporting of sustainability metrics and through regular communication on sustainability topics, DTP continues to build a culture of sustainability throughout the organization.

    - **Safety**: The Eagle P3 Project has achieved certification under the OSHA Volunteer Protection Program (VPP), demonstrating an exceptional organizational commitment to safety.
    - **Environmental Training**: 1,693 DTP Employees received Environmental Orientation Trainings in 2014, building a culture of sustainability across the organization.
    - **Sustainability Committee**: 15 active participants comprise the DTP Sustainability Committee and represent sustainability topics related to Human Resources, Community Outreach, Construction Leadership, Systems, Safety, Construction Procurement, Environmental Compliance, and Operations.
    - **Monthly Sustainability Meetings**: The DTP Sustainability Committee met monthly to review the data of 28 Key Performance Indicators (KPIs). See summary of KPIs on the following page.

- **Economic Sustainability:** The project furthers the goals of economic sustainability through:

    - **DBE / SBE Support**: Of the eligible construction value, 22% was awarded to DBEs and 24% was awarded to SBEs. Through the end of 2014, payments of 19% and 17% of the eligible construction value respectively have been made as well.
    - **Local & Regional Purchases**: Purchase of materials and products from the local and regional communities returns project funding to the community businesses that the project serves. The project purchased 47% of its materials from regional and local businesses.
    - **Energy Usage**: There is a reduction of construction and operational project costs through efficient use of electricity, gas, diesel and natural gases.

- **Social Sustainability:** The project continues to support the Workforce Initiative Now (WIN) program through donations and hiring of employees:

- **Donations**: The project donated $50,000 to the WIN program in 2014 and project partners donated an additional $16,185 (£10,000).
- **WIN Hires**: The project has a cumulative total of 48 WIN hires which meets the goal of 10% of the project's craft workforce.

- **Environmental Sustainability:**

  - **Construction Waste Diversion**: The project exceeded the 2014 goal of 25% by diverting over 43% of construction debris from landfills.
  - **Green Power**: The CRMF has purchased green power to supply 35% of its power for the first two years of the O&M phase.
  - **Recycled Content Procurement**: 22% of the materials (by cost) procured for the project have contained recycled content, beating the project goal of 20%.
  - **Remediated Materials**: There were 191,323 cubic yards of previously contaminated materials or soils remediated by the Eagle P3 Project. Construction of the Eagle P3 Project resolved historic contamination which would not have otherwise been addressed.
  - **Water Reused or Treated**: In 2014, 109,074,650 gallons of previously-contaminated water was remediated and returned to the water shed or used for dust suppression, reducing the need for potable water.
  - **LEED Certification Point Goal**: The project is on track to exceed the minimum point requirement (50 points for LEED Silver). A final point determination is expected in April 2015.

Summary of 2014 Sustainability KPIs

Metric	Units	2014 Totals	JTD as of 12/31/14
1. Community Giving	Dollars	$108,590	$715,329
2. Volunteering	Hours	372	1,559
3. Waste Diversion – Entire Eagle P3 Project	Tons	107,416	297,832
4. Waste Diversion – Entire Eagle P3 Project	Cumulative Percentage	NA	43%
5. Waste Diversion – CRMF (within LEED Boundary)	Tons	6,973	32,128
6. Waste Diversion – CRMF (within LEED Boundary)	Cumulative Percentage	NA	49%

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Metric	Units	2014 Totals	JTD as of 12/31/14
7. Gasoline Consumption	Gallons	167,713	454,364
8. Diesel Consumption	Gallons	799,010	1,872,475
9. Electricity Consumption	kWh	1,112,139	2,371,322
10. Natural Gas Consumption	Therms	33,295	71,830
11. Greenhouse Gas Emissions from Gasoline and Diesel, JTD	Metric Tons of CO2 equivalents	NA	22,854
12. Greenhouse Gas Emissions from all direct project sources, JTD	Metric Tons of CO2 equivalents	NA	24,870
13. Cumulative WIN Hires, JTD	Number of Employees	NA	48
14. WIN Hires as percent of craft workforce, JTD	%	NA	10%
15. Land Remediation	Square Yards	16,500	119,465
16. Material Remediation	Cubic Yards	24,989	191,323
17. Regional Material Procurement -- Entire Eagle P3 Project, JTD	% of eligible total material costs	NA	47%
18. Recycled Material Procurement -- Entire Eagle P3 Project, JTD	% of eligible total material costs	NA	22%
19. DBE Construction Contracts -- Actual Expenditure, JTD	% of eligible total contract value	NA	19%
20. DBE Construction Contracts -- Committed Amount, JTD	% of eligible total contract value	NA	22%
21. SBE Construction Contracts -- Actual Amount, JTD	% of eligible total contract value	NA	17%
22. SBE Construction Contracts -- Committed Amount, JTD	% of eligible total contract value	NA	24%
23. Safety Trainings in 2014 – all employees	Number of Employees	1693	
24. Safety Trainings in 2014 – SBE/DBE employees	Number of Employees	434	
25. Potable Water Use – domestic use (offices)	Gallons	951,000	1,050,000

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Metric	Units	2014 Totals	JTD as of 12/31/14
26. Potable Water Use – construction use (jobsites)	Gallons	5,484,000	23,077,000
27. Water Reused or Water Treated and Returned to Watershed	Gallons	109,132,747	111,512,058
28. Anticipated LEED Points at CRMF (50 points is the contract requirement)	Number of Points	61	

Review of 2014 Sustainability Goals and Performance Achieved

2014 Sustainability Goal	Goal	Performance Achieved by end of 2014 *(unless noted otherwise)*
Cumulative Goals		
1. Percent of Contracts to DBE/SBE	DBEs: 19% Design; 20% Construction	DBE: 21% Design; 19% Construction (paid amount)
	SBEs: 19% Design; 18% Construction	SBE: 43% Design; 17% Construction (paid amount)
2. Percent Materials Regionally Sourced	50% material (percent of value) (excluding rolling stock)	47%
3. Percent Materials From Recycled Materials	20% material (as percent of value) (decreased from 25%)	22%
4. Percent Construction Waste Diverted	25% of total waste (as percent of weight) (increased from 15%)	43%
Annual Goals		
5. WIN Program Support	$50,000/year to WIN program	$66,185
6. WIN Participant Hiring	10% of craft personnel	10% of craft personnel
7. Charitable Contributions	$60,000/year to local organizations	$108,590
8. Community Support	One volunteer activity/month (12/year)	10 volunteer activities in 2014
9. Fuel Mileage	Maintain average fleet mpg achieved in 2013, 15.61 MPG	12.23 MPG

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2014 Sustainability Goal	Goal	Performance Achieved by end of 2014 *(unless noted otherwise)*
10. Green Power	35% green power for first two years of O&M phase	35% green power purchased for two years
Product Goals		
11. Sustainability Communications Plan	Continue monthly project wide bulletins	Issued regular communication on sustainability topics included in monthly Safety Bulletin
12. Continue employee suggestion and recognition program	Continue suggestion program	No suggestions received
13. CRMF Building Operations Reporting for LEED (Energy/Water)	Begin entering monthly data into Portfolio Manager	Collection of data began in November; will use Envision for BACNet software.
14. Prepare survey for CRMF employee thermal comfort	Survey is written and will be administered in 2015 when staffing levels increase at CRMF	NA
15. LEED Certification	Submit final documentation by 4Q 2014	Final documentation submitted on January 7, 2015
16. Sustainable Purchasing	Elements of sustainability incorporated into purchasing policy	Sustainable purchases (i.e. Prius fleet) have occurred, but policy is not formalized by DTO
17. VPP Certification	Submit and Obtain OSHA VPP Certification	VPP Certification was awarded by the US Dept. of Labor

In summary, the Eagle P3 Project exceeded most of its sustainability goals for 2014 and for the project as a whole. Building on the early work started with the Sustainability Plan of 2012, DTP documents its sustainability performance through monthly data collection and reporting of the Eagle P3 Sustainability Committee. The following sections of this report detail sustainability activities throughout 2014 and in the *DTP Goals and Metrics* section, the Committee has defined the sustainability performance goals for 2015.

2014 SUSTAINABILITY REPORT

Introduction

Throughout 2014, DTP continued to ensure that its sustainability-related practices are consistent with project partner policies and with the RTD Board-adopted sustainability policy (reference RTD Sustainability Policy 2006). In addition, the project made great strides in improving its positive financial, social and environmental impact on the greater Denver metropolitan region. The sustainability efforts are most easily organized by functional areas related to the phases of this Design Build Finance Operate and Maintain (DBFOM) project. Briefly, these include:

- **Project Management**: The focus in this area is to increase the extent to which sustainability in imbedded in the culture of the project and becoming a part of standard operating practices. The Sustainability Policy, Sustainability Communication Plan and Anti-Idling Policies, which were drafted in 2012, were successfully implemented in 2013. In addition, sustainability was incorporated into the New Employee Manual and the Safety and Environmental Orientation Training provided to all employees, including employees of subcontractors.

- **Design**: Although most of the project's design activity was complete by 2014, the project did complete the LEED design review on April 4, 2014. The project earned 43 points from the design credits. The points from the construction credit are pending the final LEED construction review that is currently in progress.

- **Procurement**: The procurement of materials and services for the construction phase continued to reduce its environmental impact through the use of recycled and regional construction materials. The project is on track to meet its ultimate goals of 50% regionally source materials (within 500 miles of the project) and 20% recycled content. Sustainable procurement for the operations and maintenance phase has begun and is also incorporating sustainability principles through the establishment of operation policies and through tracking of energy and water usage.

- **Construction**: Construction is well underway and DTP continues to implement sustainable practices, notably through waste diversion, water reclamation, exceptional safety performance and participation of DBEs & SBEs in the construction scope.

- **Operations and Maintenance (O&M)**: Activities in this area include the procurement and installation of high quality used furniture for the CRMF office operations and identifying small businesses that can supply goods and services during the O&M phase.

The next section provides details regarding sustainability-related activities and the overall progress towards the Eagle P3 Project's 2014 Sustainability Goals. Following that are the project's 2014 Sustainability Goals.

DTP Sustainability Actions by Functional Area

1. Project Management

1.1. Sustainability Management

1.1.1. Sustainability Policy

A Sustainability Policy was adopted by DTP in January 2013.

1.1.2. 2012 Sustainability Report

In May 2012, DTP published the first annual sustainability report that listed sustainability goals, actual performance metrics and future targets for the Eagle P3 Project. This was the first comprehensive report issued by a concessionaire/contractor on an RTD FasTracks project and is serving as an example for future reports for both the Eagle P3 Project and other FasTracks projects.

1.1.3. Anti-Idling Policy

DTP reinforced its anti-idling policy at jobsite meetings and in the monthly safety newsletter.

1.1.4. Sustainability Training

The topic of sustainability is incorporated into the Environment & Safety orientation training that all staff and contractor employees take.

1.1.5. Sustainability Orientation for Employees

There were 51 Sustainability Orientation sessions were held in 2014, bringing the total up to 182.

1.1.6. Sustainability Communications

DTP communication on sustainability includes both external and internal communication. Some of the external communications is aimed at the general public and some targets industry professionals.

The DTP website includes a page on Sustainability that highlights project-wide sustainability efforts (http://denvertransitpartners.com/sustainability) and includes

a fact sheet on sustainability as well as a link to the project's 2012 Sustainability Report. The 2013 Sustainability Report is published on the website.

Internally, project-wide sustainability communications is included in the Eagle P3 Project's HSE Newsletter, *Your Safety Station.* The topics for 2014 are listed in the following table.

Month	Published Sustainability Topic
Jan	Winter Weather and Fuel Economy
Feb	Wildlife & Habitat Conservation
Mar	Regionally Sourced Project Materials
April	Pollution Prevention on the Project
May	Charitable Giving Report
June	Training
July	LEED and Sustainability Highlights from the CRMF
Aug	Sustainable Features of the Rolling Stock
Sept	VPP Training
Oct	Sustainable Features of the Rolling Stock – Part 2
Nov	Erosion Control / Seeding Requirements / RTD's West Line Sustainability Features
Dec	Rail Car Safety Features / Portable Toilet Safety

1.2. Social Capital

An important aspect of a community's sustainability is social capital – the skills, knowledge and health of the individuals in the community and their ability to work together to improve quality of life for all. DTP and its partner organizations are committed to supporting the social sustainability of the Denver region. In 2014, DTP supported a number of social capital activities including workforce development, support for small and disadvantaged companies and training as described on the following pages.

1.2.1. Employee Health & Safety

In January of 2014, DTP instituted a 12-week Fitness Challenge to encourage staff to develop more healthy behaviors. More than 54 people participated in the program, which offered workouts, recipes and other suggestions for becoming more fit, healthy and active throughout the year. Weigh-ins were offered at the Broadway Office, East Corridor Office and at the Fox Street Office and the program was offered to RTD employees as well. The program resulted in an average of 5.6% weight loss for each finishing candidate. The highest individual

weight loss was 37.6 pounds and the highest individual percentage lost was over 16.5% (different people). Prizes included Nuggets or Rockies tickets for top male and female weight lost and Nuggets or Rockies tickets and a pair of shoes for top male and female percentage lost. The competition also crowned a mind-over-matter champion who quit smoking during the competition. Opening day Rockies tickets were awarded for this achievement.

In October, 2014 DTP provided flu shots free of charge to all employees and 87 people took advantage of the shots.

To promote the importance of safety, there was a project-wide meeting held at Coors Field on May 23, 2014 in which BBQ was served. Exceptional safety performance by employees was recognized and memento baseballs were given to all employees. In addition to this project-wide meeting, All-Hands meetings were held monthly on the job sites.

1.2.2. OSHA VPP Certification

DTP Team at the VPP Award Ceremony in Washington DC

The project earned Star Voluntary Protection Program (VPP) certification from the Occupational Safety and Health Administration (OSHA). This rigorous certification program recognizes exemplary standards worksite-based safety and health. Fewer than 30 Colorado companies / sites currently hold this distinction.

Following a week long site audit in October and more than 180 interviews, OSHA recommended the DTP team for acceptance into the VPP program at the Star Status level. This is the highest rating in the VPP program and acceptance into VPP is OSHA's highest recognition of excellence in safety and industry leading practices.

OSHA noted that the site visits and interviews with craft workers were "consistently good quality." Hazard control and PPE were noted as very good and the Team Books (Safety Task Assessments) and the training program were identified as best practices. Industrial Hygiene (IH) was identified as fully compliant.

The award ceremony is scheduled to occur early in first quarter 2015 where OSHA will present DTP with a plaque and a VPP flag.

1.2.3. Workforce Development

The regional Workforce Initiative Now (WIN) program is a collaborative partnership between RTD, Community College of Denver, Denver Transit Partners (DTP) and the Urban League of Metropolitan Denver. WIN helps job seekers, companies, and local communities through the creation of career opportunities in the transportation and construction industries.

DTP provides monetary support to the WIN program and hired qualified WIN participants for the Eagle P3 Project. In 2014, DTP provided $50,000 to the WIN program and DTP partner John Laing made an additional donation of £10,000 (approximately $16,185).

By the end of 2014, DTP hired a cumulative job-to-date total of 48 WIN participants, representing approximately 10 percent of the total field craft personnel for the project. In addition, DTP sent letters to all subcontractors and vendors to let them know about the WIN program to encourage them to hire WIN participants. In 2015, DTO will continue to post jobs with the WIN program with a special focus on attracting qualified applicants for train operators.

1.2.4. DBE/SBE Development

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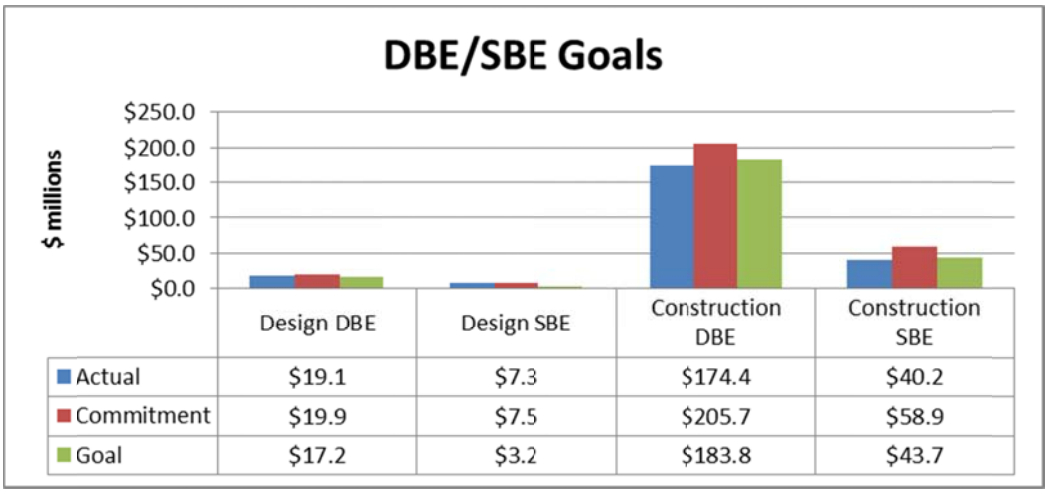


	Design DBE	Design SBE	Construction DBE	Construction SBE
Actual	$19.1	$7.3	$174.4	$40.2
Commitment	$19.9	$7.5	$205.7	$58.9
Goal	$17.2	$3.2	$183.8	$43.7

DBE/SBE Contracts

As of the end of 2014, DTP had committed contracts for about $290 million to 162 Disadvantaged Business Enterprises/Small Business Enterprises (DBE/SBE). This represents 117% of the total DBE/SBE goal for the Design Build portion of the project.

The contract value for the design phase of the project achieved 115% of the DBE design contract goal and achieved 232% of the SBE design contract goals.

**Linkmont's CEO, Sergio Gutierrez,
one of DTP's MBE/SBE/DBE partners**

The construction portion of the project was 72% complete and committed contracts at the end of 2014 represented 111% of the DBE construction contract goals and 134% of the SBE construction contract goals.

DBE/SBE Support

The DBE/SBE Outreach team attends monthly contracting association group meetings, minority contracting group meetings, and relevant job fairs in order to communicate with contractors about upcoming opportunities on the project. These groups include the Hispanic Contractors of Colorado, The Black Construction Group and the Conference of Minority Transportation Officials.

DBE/SBE Mentoring Program

DTP actively facilitated three successful Mentor Protégé teams in 2014. One of the teams extended its participation until mid-2015. One team has been enrolled since 2011 and the other two teams are completing their second successful year with the program. Program goals achieved include construction of a new website, development of a safety manual and participation in Chambers of Commerce.

Protégés report that participation in the mentoring program have indirectly contributed to an increase of business that have, in turn, resulted in new equipment purchases and new hires. Specific business improvements include an increase in shop automation, use of new estimating software, and increased bonding capability.

SBEs for the Operations and Maintenance Phase

DTO is committed to using SBE businesses for the O&M phase of the project and by the end of 2014 had identified four areas where SBE businesses will provide products and services for the Eagle P3 Project. These areas are the accounting system, IT systems, furnishings for the CRMF and the parts catalogue system. These contracts will be executed in early 2015.

1.2.5. Personnel Training

A new section on sustainability was added to the orientation training on safety and environmental issues. During 2014, the orientation training was given to 1,021 employees of DTP and its partners. The environmental orientation was also revised to include additional sustainability material

2014 Eagle P3 Project
Safety and Environmental Training including DBE/SBEs

Topic	All Participants	DBE/SBE Participants
Safety and Environmental Orientation	1,693	434
First Aid	69	6
OSHA 10 Training	121	25
OSHA 30 Training	70	19
HSE SLT	274	274
Rail Road Training	2,014	280
OSHA Asbestos 2-Hour Awareness	14	0

1.3. Community Engagement

1.3.1. Community Outreach

Public information is a large component of the Eagle P3 Project's outreach and includes open houses that feature informational booths on safety, environmental practices, and sustainable project activities. Additionally, project updates, information on commuter rail car technology, station design and aesthetics and technical facets of the project are shared with the public. Booths are staffed with technical personnel that interface with event attendees, promote sustainability, and answer relative questions of interest. In 2014, more than 5,000 people attended open houses, information sessions, presentations, and site tours.

1.3.2. Community Support Program

Throughout 2014, DTP and its employees continued their commitment to providing support to the local community through volunteering their time at monthly activities. Selected examples include:

- **January**: DTP volunteered at the Denver Rescue Mission to support the needs of the homeless and the needy in Denver.
- **April**: DTP provided construction equipment and volunteers for Swigert International School's Touch-A-Truck event.
- **May**: DTP participated in the First Tee of Denver golf tournament to educate and inspire youth academically, socially, and physically through the game of golf.
- **June**: DTP supported the intervention education, and prevention of domestic violence through participation in the Life of Liberty Ledezma Golf Tournament.
- **September**: DTP served as a guest lecturer University of Colorado Denver speaking as a subject matter expert on Public-Private Partnerships.
- **September**: DTP provided a booth at the Construction Career Days is an industry sponsored event for high school students highlighting careers in safety. In addition to staffing the information booth, DTP provided group leader volunteers.
- **September**: DTP's annual Day of Service in September, 24 DTP employees volunteered over 207 hours in one day with the following organizations:
    - **Food Bank of the Rockies**: One of the largest hunger relief organizations in the Rocky Mountain Region, The Food Bank of the Rockies provides food for more than 350,000 people annually by distributing 106,000 meals each day through over 1,400 hunger relief partner agencies and direct service programs. The DTP volunteers pulled orders and filled pallets with 47,694 pounds of food which will provide 39,745 meals to those in need.

- **Grow Local Colorado**: Grow Local Colorado is a non-profit dedicated to growing food with the mission of providing fresh produce for local food banks and to feed the homeless. DTP volunteers weeded and harvested community gardens, providing TLC for the plants growing in various locations. The team harvested and delivered 257 pounds of fresh, local produce to area soup kitchens and food banks which will help serve approximately 900 people.

DTP Volunteers supporting Grow Local Colorado

- **Extreme Community Makeover**: This volunteer organization partners with underserved people to improve their homes and neighborhoods. DTP volunteers cleaned an alleyway in the Swansea neighborhood, painting over graffiti and filling a 30-yard dumpster with household debris and brush that was cluttering the area.

- **October**: DTP participated in a Habitat for Humanity build on October 10th. Employees painted, cut and installed trim, caulked, and installed landscaping. The build day was accompanied by a $1,250 donation and garnered 72 volunteer hours.
- **November**: DTP's Design/Build Director gave a career talk on engineering to the Y Achievers at Bruce Randolph School. The Y Achievers are a national program that exposes students of color and

underserved teens to diverse career and college opportunities, positive role models, and academic support. The discussion engaged students with everyday examples of engineering and answered questions about the types of engineering opportunities that are available for students. There were 18 middle school students that participated.

- **Throughout the year**: DTP has supported the organization A Precious Child by:
  - Donating time and money to contribute 252 filled backpacks. Employees and their families also helped assemble 400 backpacks at A Precious Child on July 26, 2014.
  - Collecting more than 175 toys for donation in December to A Precious Child's "A Precious Gift" program to benefit kids in need.

1.3.3. Charitable Contributions

During 2014, DTP donated a total of $108,590 to 23 community organizations in the Denver Metro Region listed below.

- A Precious Child
- ACE Mentor Program -- Colorado Blueprint to Success Event
- Arrupe Jesuit High School -- Corporate Work Study Program
- Celebrating the Life of Liberty Ledezma (CTLLL)
- Colorado I Have A Dream Foundation
- COMTO (Conference Of Minority Transportation Officials)
- Denver Metro Chamber Infrastructure Committee
- Epworth Foundation
- Escuela Tlatelolco Centro de Estudio
- Extreme Community Makeover
- First Tee of Denver
- Food Bank of the Rockies
- Grow Colorado
- Grow Local
- Habitat for Humanity
- Hispanic Contractors of Colorado
- Lowry Family Center
- Mile High United Way dba Denver's Road Home
- RTD's Operation Give-A-Gift
- The Urology Center of Colorado (TUCC) Blue Shoe run for Prostate Cancer
- Urban League
- WIN Program

- WTS of Colorado

1.4. Office Operations

1.4.1. Waste Reduction

DTP continued a number of projects relating to reducing office waste were implemented as a result of the employee sustainability suggestion program. These waste reduction best management practices include:

- **Electronic document retention**: An electronic retention policy was implemented for documents, which significantly reduces the number of hard copies of documents printed. In addition, DTP's document storage requirements were reduced by approximately 150 boxes, which would have been stored for 12 years before disposal. This suggestion was initiated from an Employee Sustainability Suggestion Form.
- **Setting printers to default double sided printing**: The IT staff now sets up new computers for double-sided printing automatically and have sent out instructions to all staff on how to change default settings to double sided printing for computers already in use. The suggestion was also made to have the IT person set default to black and white rather than color printing.
- **Electronic document control**: The use of the electronic document control system called Aconex results in less printed copies, less filing cabinets needed and less office space needed. Using Aconex for the review and/or approval of design documents, DCNs, RFIs, NCRs, DVRs and other submittals reduces printing significantly.
- **Electronic retention of CDRLs**: In 2013, the project implemented an electronic document retention system. Rather than print hard copies of all documents and archive them to meet the project's documentation retention requirement, it was determined that maintaining the files in the CDRL system meets this requirement. This has eliminated the need to print most CDRLs in hard copy. This suggestion was initiated from an Employee Sustainability Suggestion Form.
- **Electronic distribution of schedules**: In the past, schedules were printed monthly as a thick booklet. This is now being done electronically. Binding combs, when used for hard copies, are recycled.

1.4.2. Office Recycling

A recycling program continued at the Havana office in 2014.

1.4.3. Re-use of Office Furniture and Equipment

The CRMF was furnished with used office furniture procured from the offices of the Colorado Supreme Court. Not only did the used furniture prevent the goods from going to the landfill, higher quality furniture was obtained at a fraction of the cost of purchasing this new. The higher quality will translate into a longer service life at the CRMF.

2. Design

2.1. LEED Design Submittal

DTP is pursuing Leadership in Energy and Environmental Design (LEED) certification for the CRMF under the United States Green Building Council's (USGBC) LEED for New Buildings 2009 Rating System. The certification process consists of independent and rigorous technical reviews of the design and construction documentation by the Green Building Certification Institute (GBCI). Based on the review, the project is awarded points towards certification. Projects earning 50-59 points are certified as LEED Silver; projects earning 60-79 are certified as LEED Gold. Per the contract, DTP is required to obtain LEED Silver Certification, but is currently aiming for a total of 61 points and a chance at LEED Gold.

2.1.1. LEED Certification, Next Steps

The project has received the LEED reviewer comments construction credits and is currently in the process of addressing the reviewer's comments. Based on the final review result and the number of credits awarded by GBCI, the project will receive its LEED certification. Final certification is anticipated in April or May of 2015.

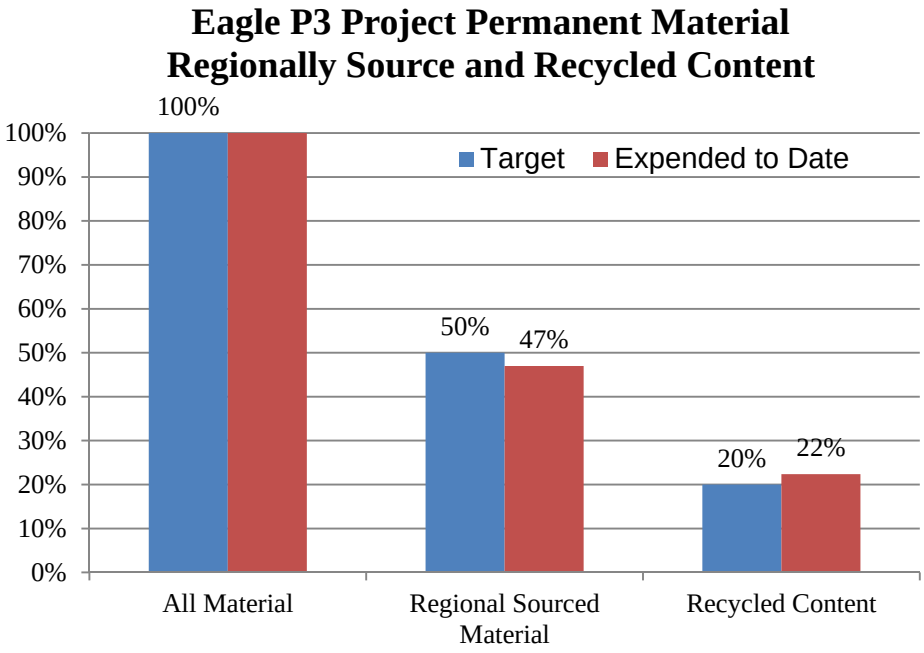
3. Procurement

3.1. Regional and Recycled Construction Materials

As part of its commitment to sustainability, the Eagle P3 Project is applying the concept of 'reduce, reuse, recycle, regionalize' to its materials buy-out. In the procurement process, this means that, where appropriate, materials with recycled content and from regional sources are preferred. The project's overall goals are to have at least 50% of all materials sourced regionally (within a 500 mile radius of the project) and 20% of the materials from recycled materials.

3.1.1. Regional Construction Materials

The project is on track to meet the 50% regionally sourced goal. As the project completes the buy-out process in 2015, it's anticipated that the project will meet the 50% regional procurement goal.



Regional procurement of materials returns project investment into Colorado communities, businesses and people, some of them served by the Eagle P3 Project. The following materials and products significantly contribute to the regional procurement goals:

- Track ballast and aggregate
- Track ties
- Rail purchase
- Special trackwork
- Cast-in-place Concrete
- Pre-cast concrete girders
- Bridge structures
- Concrete masonry units
- Rebar
- Asphalt

3.1.2. Recycled Material Procurement

The project has procured 22% recycled materials (by cost); the target for the end of the project is 20%. The following materials and products significantly contribute to the regional procurement goals:

- Structural steel

- Rebar
- Track
- Metal panels (exterior cladding at the CRMF)
- Hollow metal doors

3.1.3. Salvaged Material

The project is salvaging 1,000 tons of unused rail from other projects and reusing it as guardrail throughout the Eagle P3 Project. This not only saves money, but avoids the energy and emissions associated with producing new guard rails.

4. Construction

4.1. Hazardous Material and Site Remediation

By the end of 2014, the project remediated 119,465 square yards of contaminated sites containing an estimated 191,323 cubic yards of material which included:

- 16,000 square yards of coal ash remediation along the Gold Line
- 500 square yards of remediated land at Peoria Station
- 4,478 cubic yards of contaminated soil at the Pecos Platform
- 11,908 cubic yards of contaminated soil at the Clay Street Bridge

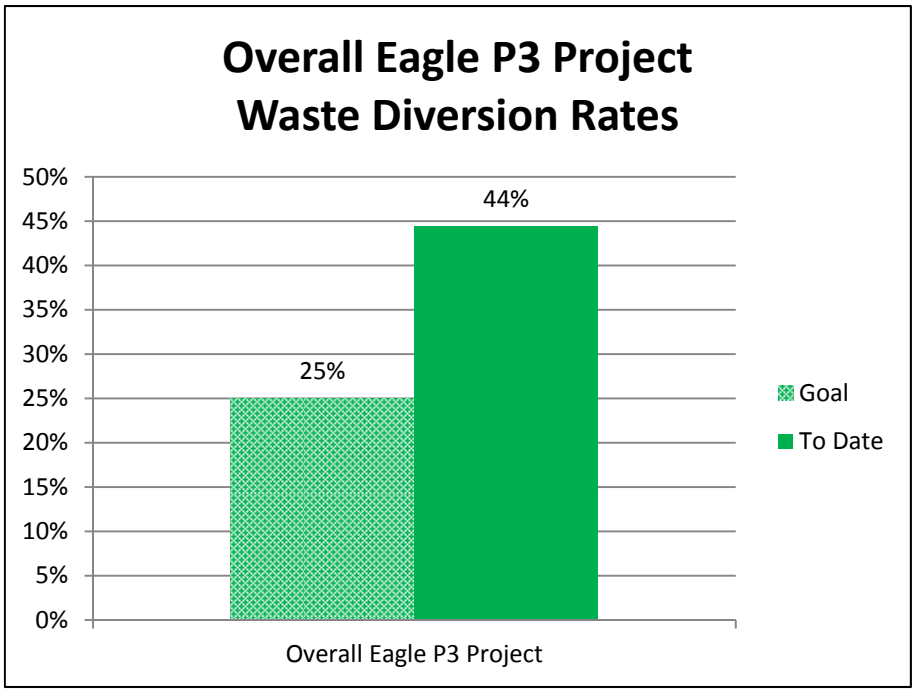
4.2. Waste Management and Diversion from Landfill

In the construction area of the project, as part of its commitment to sustainability, the Eagle P3 Project is applying the concept of 'reduce, reuse, recycle' by working to reduce the amount of construction waste generated and sent to landfills.

By the end of 2014, 693,106 tons of construction waste was generated by the project. The vast majority, 96%, is classified as rubble-concrete-construction debris, 1% is classified as steel/metal and 3% is trash/mixed waste. These quantities include all construction waste generated through the end of 2014. As work began on the CRMF, waste generation was tracked separately for CRMF and non-CRMF construction waste since the LEED reporting requirements for the CRMF require additional documentation.

The overall goal of the project is to divert at least 25% of all construction waste from landfills. As shown in the graph below, by year end 2014, the project greatly exceeded that goal with an estimated 43% by weight of all construction waste diverted. Metal recycling is the most successful, with an estimated 99% recycling rate.

It is important to note that, in this type of construction project, the majority of the diverted waste consists of concrete and asphalt, which is typically generated and diverted early on in a project.



4.2.1. CRMF Landfill Diversion

The CRMF has a revised diversion rate target of diverting 50% of all construction and demolition waste from the landfill. Construction materials that have been or will be diverted include concrete, asphalt, and metals including rail scrap. At the end of 2014, the diversion rate for the CRMF is 49.0%.

4.2.2. Source-Separated Recyclables

At many jobsites, there is adequate laydown space to permit on-site separation and stockpiling of different recyclable materials such as wood (from forms and scrap), metal (rebar from demolished concrete, rail scrap and miscellaneous metal scrap) and crushed concrete. The rental of separate containers for the duration of construction to enable jobsite sorting of wood, other recyclables and trash to improve the landfill diversion is not cost-effective. After significant and economically-viable quantities of a particular recyclable material are accumulated, the material is hauled directly to the appropriate recycler.

4.2.3. Other Waste Reduction Strategies

The project worked with American Metals Recycling to recycle the large wooden wire spools for centenary wire and other wire used in the project. In 2014, wooden wire spools were chipped for mulch and reused regionally (within a 500

mile radius). 29,478 pounds of copper wire scraps and 6,295 pounds of aluminum scraps were also recycled. In addition, 2,690 pounds of batteries were reprocessed, meaning their heavy metals were removed, acid neutralized and plastic casings recycled for future industrial use.

4.3. Storm Water Management and Water Quality Management

The strategies used to manage storm water quality on the project include erosion control, sediment control, administration, materials management, and waste management best management practices (BMPs). Erosion control blankets, sediment control logs, silt fence, defined access points, concrete washout pans, secondary containment structures, and vehicle tracking pads are some examples of BMPs implemented on the project.

4.4. Construction Activity Pollution Prevention

The project-wide Dust Mitigation Plan for monitoring and managing dust and nuisance dust issues associated with construction continues to be followed.

4.5. Energy Consumption

4.5.1. Electricity and Natural Gas

In 2014, 2,006,607 kWh of electricity and 38,610 therms of natural gas were used by DTP for construction and DTP office-related activity. To put this into perspective, the 2014 electricity use is equivalent to the average greenhouse gas emissions from electricity for 190 homes per the EPA's Greenhouse Gas Equivalencies Calculator. The natural gas use is equivalent to the emissions from 18.7 homes' energy use per the EPA calculator.

4.5.2. Fleet Energy and Mileage

In 2014, vehicles in the DTP fleet used 135,945 gallons of gasoline. Compared to past years, the accuracy of fleet fuel usage improved. Adjusting for the occasional data gaps, the calculated fleet miles per gallon was:

- 2012: 15.0 MPG
- 2013: 15.7 MPG
- 2014: 12.2 MPG

The issues with the data were addressed throughout 2014 and by the end of the year, the calculated fleet MPG was based on 95% of the transaction records and 96% of the total gasoline used. These issues will continue to be addressed in 2015.

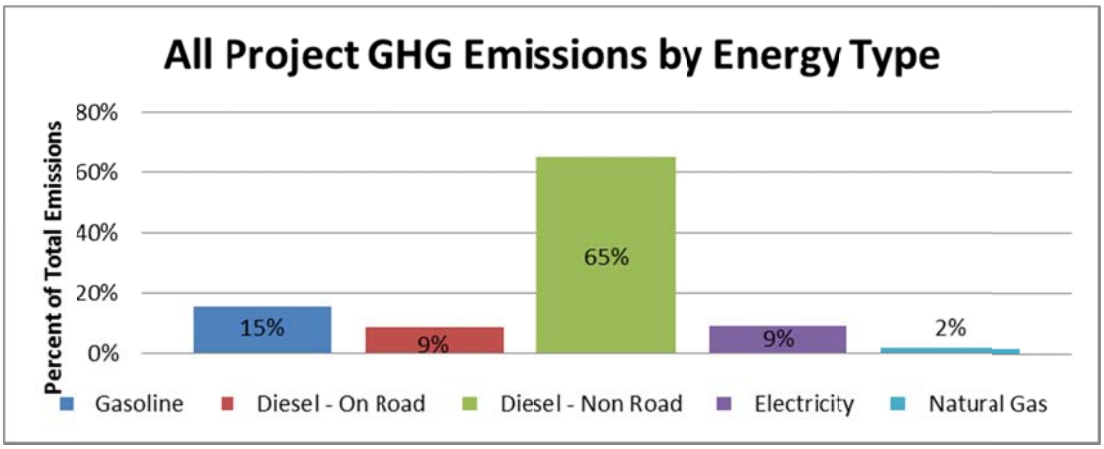
4.5.3. Diesel Consumption

In 2014, 800,654 gallons of diesel were used by the joint venture off-road equipment and pickup trucks.

4.6. Emissions

4.6.1. Reducing Fleet Vehicle Impacts

The anti-idling policy, implemented in 2013, continues to be in force. The anti-idling policy is also reviewed regularly at safety meetings and included in project newsletters. This policy is intended to reduce Greenhouse Gas (GHG) Emissions.



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4.7. Soil Conservation / Habitat Preservation

4.7.1. Soil Conservation Plan

DTP continued to utilize all-natural products, including tackifiers or glue extracted from corn husks, as an additive to soils to reduce the potential for wind erosion of stockpiles. Long-term stockpiles were seeded and hydro-mulched to minimize off-site migration of soil. Routine water trucks maintained disturbed soil surfaces to mitigate nuisance dust from leaving the project site.

Erosion and sediment best management practices were inspected daily to reduce potential sediment leaving the project site. The site-specific controls are evaluated and adapted as work processes change. The use of compacted earth berms around the perimeter areas of our work site is a common practice to reduce erosion capabilities of the soil and reduce our use of synthetic products.

4.7.2. Eagle P3 International Erosion Control Association Site Visit

The Eagle P3 Project hosted a site visit for members of the International Erosion Control Association (IECA) on May 28, 2014. Participants visited specific sites on the 36-mile long project to showcase erosion control efforts put in place for the construction of the commuter rail line. The focus of the tour was to present the water quality challenges faced during the construction of a transit system through urban and rural environments. Temporary water crossings, groundwater remediation areas, and unique construction sites with challenging approaches for managing water quality were highlighted. Specific discussions included meeting regulatory requirements when constructing and removing temporary water crossings, working in contaminated soils adjacent to streams, groundwater remediation systems, and complex sites with multiple overlapping

projects/contractors. The tour guests included municipality representatives, private consultants, storm water product developers, and regulatory agency officers. The tour content generated discussion of the increasing challenges presented by storm water compliance. DTP received positive feedback on the storm water management implementation on this complex project from tour participants.

4.8. Potable Water Conservation

4.8.1. Water Re-Use

As the result of dewatering at several jobsites, the project reused water within acceptable contamination limits as dust control or remediated the water and is returning the cleaned water back to the watershed. The 2014 project-wide total for remediated/reused water was 109,132,747 gallons.

During 2014 the focus shifted from industrial reuse to returning the cleaned water to the watershed at four sites. Those sites are the Crestview Waterline Bore, the Clay Street Treatment System, the 64th Avenue Treatment System and the 65th Place Treatment System. These four sites cleaned and returned to the watershed 109,074,650 gallons of water or 99% of all water treated in 2014.

5. Operations and Maintenance

The O&M phase of the Eagle P3 Project is in the early planning stages but sustainability is incorporated into the initial activities as follows.

5.1. Local Economic Sustainability

As noted in Section 1.2.4 DBE/SBE Management, DTO identified areas where SBEs businesses can provide products and services and submitted the O&M SBE Plan in October 2014. They are in the process of executing contracts with these businesses.

5.2. Workforce Development

Participants of the WIN program were interviewed and several candidates may be hired in 2015. WIN is seen as an integral element of the future hiring process for the O&M phase. In addition, as O&M training manuals are developed, sustainability training will be included in them, initially using the training material developed for the construction phase but ultimately being modified to meet the unique needs of the O&M phase.

5.3. Sustainability Information Management

O&M staff are in the process of identifying data sources needed for monitoring sustainability efforts. Modifications are being made to AssetWorks, the asset management software that will be used in the O&M phase, to allow these metrics to be readily tracked and reported. In addition, it is anticipated that the EPA Portfolio Manager system will be used to track and report on building energy use and greenhouse gas emissions.

5.4. Green Power

The CRMF purchased 35% of its annual power consumption for two years from certified renewable energy sources. This purchase of power not only reduces the building's operational carbon footprint, but also supports the market for renewable power generation and helps spreads its wider adoption.

5.5. Energy and Water Use Reporting

As part of the mandatory LEED's Minimum Program Requirements, this project will share energy and water data monthly for a period of five years starting with the month following DTP's acceptance of the LEED certification of the CRMF. Data will be collected from the Building Automation Systems (BAS) using Envision for BACNet software. The data will be uploaded twice each year to the United States Green Building Council. Sharing this data is a requirement of the Measurement and Verification LEED credit (EAc5, Option 3) which this project is pursuing.

5.6. Thermal Comfort Survey

The LEED reviewers are currently reassessing the Thermal Comfort Survey credit (IEQc7.2). If the reviewers accept this credit, the project will conduct a Thermal Comfort Verification survey between six and eighteen months following DTP's acceptance of the LEED certification of the CRMF. The survey will query the permanent building occupants (i.e. not visitors or itinerant staff) to determine the degree of occupant comfort. If more than 20% of these occupants are dissatisfied, DTO will develop a plan for corrective action. As part of the LEED submittal, the project submitted a draft of the proposed thermal comfort survey.

2014 SUSTAINABILITY REPORT

DTP Goals and Metrics

Status of DTP Sustainability Goals for 2014

2014 Sustainability Goal	Goal	Performance Achieved by end of 2014 *(unless noted otherwise)*
Cumulative Goals		
1. Percent of Contracts to DBE/SBE	DBEs: 19% Design; 20% Construction	DBE: 21% Design; 19% Construction (paid amount)
	SBEs: 19% Design; 18% Construction	SBE: 43% Design; 17% Construction (paid amount)
2. Percent Materials Regionally Sourced	50% material (percent of value) (excluding rolling stock)	47%
3. Percent Materials From Recycled Materials	20% material	22%
4. Percent Construction Waste Diverted	25% of total waste (as percent of weight) (increased from 15%)	43%
Annual Goals		
5. WIN Program Support	$50,000/year to WIN program	$66,185
6. WIN Participant Hiring	10% of craft personnel	10% of craft personnel
7. Charitable Contributions	$60,000/year to local organizations	$108,590
8. Community Support	One volunteer activity/month (12/year)	10 volunteer activities in 2014
9. Fuel Mileage	Maintain average fleet mpg achieved in 2013, 15.61 MPG	12.23 MPG
10. Green Power	35% green power for first two years of O&M phase	35% green power purchased for two years
Product Goals		
11. Sustainability Communications Plan	Continue monthly project wide bulletins	Issued regular communication on sustainability topics included in monthly Safety Bulletin

2014 SUSTAINABILITY REPORT

2014 Sustainability Goal	Goal	Performance Achieved by end of 2014 *(unless noted otherwise)*
12. Continue employee suggestion and recognition program	Continue suggestion program	No suggestions received
13. CRMF Building Operations Reporting for LEED (Energy/Water)	Begin entering monthly data into Portfolio Manager	Collection of data began in November; will use Envision for BACNet software.
14. Prepare survey for CRMF employee thermal comfort	Survey is written and will be administered in 2015 when staffing levels increase at CRMF	NA
15. LEED Certification	Submit final documentation by 4Q 2014	Final documentation submitted on January 7, 2015
16. Sustainable Purchasing	Elements of sustainability incorporated into purchasing policy	Sustainable purchases (i.e. Prius fleet) have occurred, but policy is not formalized by DTO
17. VPP Certification	Submit and Obtain OSHA VPP Certification	VPP Certification was awarded by the US Dept. of Labor

2014 SUSTAINABILITY REPORT

2015 Sustainability Goals

Looking forward, DTP established sustainability goals for 2015 as shown in the table below. There are two types of goals:

- **Performance Goals**: Goals for which progress can be measured in numeric terms over a specific time period. Targets for the performance goals can be either:
  - **Cumulative Targets**: Targets that have total goal over the life of the project or over a particular phase of a project. Cumulative targets are used when activity can vary widely from one time period to the next so a frequency based target does not accurately reflect progress. An example of a cumulative goal is the percent of construction waste that is diverted from landfills, since the amount of construction waste will vary widely during the construction phase.
  - **Annual Targets**: Targets for activities that are fairly consistent from one period to the next. For example, the amount of charitable giving.

- **Product Goals**: Goals for accomplishing specific actions or establishing policies, programs or procedures.
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Topic	Goal
Cumulative Goals	
Percent of Contracts to DBE/SBE	DBEs: 19% design , 20% construction SBEs: 19% design , 18% construction
Percent Materials Regionally Sourced	50% material (percent of value) (excluding rolling stock)
Percent Materials From Recycled Materials	20% material (as percent of value)
Percent Construction Waste Diverted	40% of total waste (as percent of weight) (increased from 20%)
Annual Goals	
WIN Program Support	$50,000/year to WIN program
WIN Participant Hiring	10% of craft personnel
Charitable Contributions	$60,000/year to local organizations
Community Support	One volunteer activity/month (12/year)
Fuel Mileage	Maintain average fleet mpg achieved in 2014
Green Power	35% green power for first two years of O&M phase

2014 SUSTAINABILITY REPORT

Product Goals	
Sustainability Communications Plan	Continue monthly project wide bulletins
CRMF Building Operations Reporting for LEED (Energy/Water/Thermal Comfort)	Begin sharing data with USGBC Prepare survey for employee thermal comfort
Sustainable Purchasing	Have elements of sustainability incorporated into purchasing policy

- As the CRMF enters into the operational phase, DTO established the following sustainability goals for 2015:
  - Goals in Progress:
    - Identify measurable goals and assign the responsible party at DTO.
    - Identify policies and plans to be included for sustainability implementation.
    - Establish a baseline usage values for water, gas power, and trash generation.
    - Develop reporting procedure for submittal to the USGBC.
  - By May 2015:
    - Develop and implement policies.
    - Begin with internal monthly tracking and internal reporting on indicators.
    - Create report for tracking of water, gas, power and waste generation.
  - By August 2015:
    - Full implementation of policies, plans and programs.
    - Summarize usage report and provide monthly report to all employees.

DTP Sustainability Metrics for 2015

There are a number of sustainability metrics that will be measured and reported in DTP's 2015 Sustainability Report. Some of these will be used to track progress toward the sustainability goals listed above. Others will be used to establish baselines for setting future sustainability goals for the Eagle P3 Project. The table below lists these metrics.

Topic	Data Tracked
DBE/SBE Contracts	• Total Qualifying Project $ • Total & DBE/SBE $ committed • Total & DBE/SBE $ expended
Reinvestment in Region	• Dollar value of contracts going to businesses w/in RTD service area
WIN Program Support	• $ provided to WIN Program
WIN Participant Hiring	• Number of WIN hires by DTP
Training for Staff and	• Number and types of courses provided

2014 SUSTAINABILITY REPORT

Topic	Data Tracked
Contractors	• Number of participants (DBE/SBE and non DBE/SBE)
LEED Credentials	• Number of LEED Accredited Professionals on Eagle P3 Project
Charitable Contributions	• Dollars donated or spent by DTP
DTP Sponsored Community Support	• Number of monthly volunteer activities • Hours volunteered by DTP Staff
Remediation of Brownfields	• Amount of land remediated
Energy Consumption	• Amount of fuel used in vehicles/equipment by type of fuel and vehicle type • Miles driven by fleet • Amount of electricity and natural gas used • Greenhouse gas emissions (calculated from energy data)
Regionally Sourced Materials	Dollar value of significant items (including, but not limited to): concrete, ballast, rails, ties, special track work, switch heaters, sand, landscape material
Materials from Recycled Materials	Dollar value of permanent materials used in the project (including, but not limited to): steel, rebar, asphalt, track related products
Waste Disposal and Diversion	• Total amount of construction waste • Amount of waste diverted • Amount of concrete crushed and reused (or stockpiled for reuse) • Amount of rail reused • Amount of asphalt recycled
Water Use	• Total amount of potable water used • Amount of contaminated water reused or remediated

Abbreviations and Acronyms

APTA	American Public Transportation Association
ASME	American Society of Mechanical Engineers
BMPs	Best Management Practices
CRMF	Community Rail Maintenance Facility
CDRL	Contract Data Requirements List
DBE	Disadvantaged Business Entity
DBFOM	Design, Build, Finance, Operate and Maintain
DCN	Design Change Notice
DTC	Denver Transit Construction
DTO	Denver Transit Operations
DTP	Denver Transit Partners
DVR	Design Variance Request
EP3	Eagle P3 Project
GBCI	Green Building Certification Institute
HVAC	Heating, Ventilation and Air Conditioning
LEED	Leadership in Energy and Environmental Design
MPG	Miles per Gallon
MSDS	Material Safety Data Sheets
NCR	Non-Conformance Report
O&M	Operations and Maintenance
OCS	Overhead Contact System
OSHA	Occupational Safety and Health Administration
P3	Public-Private Partnership
PCBs	Poly-Chlorinated Biphenyls
PTAC	Procurement and Technical Assistance Council
RFI	Request for Information
RTD	Regional Transit District
SBE	Small Business Entity
SDS	Safety Data Sheets
TBL	Triple Bottom Line
USGBC	United States Green Building Council
VPP	Voluntary Protection Programs
WIN	Workforce Initiative Now