

INVITATION TO BID ARIZONA STATE UNIVERSITY

PURCHASING & BUSINESS SERVICES

DATE NO. 232001

				07/10/2019 232001
X	FORMAL SEALED BID	3:00 PM, MST	07/17/19	ASU Purchasing/University Services Building 1551 S. Rural Rd. Tempe, AZ 85281 Attn: Erik Villescaz
Bids are to be submitted in a sealed envelope marked "Sealed Bid No. ITB 232001 Forestry Truck due 3:00 PM MST 07/17/19 Attn: Erik Villescaz". Faxed or Emailed bids are not sealed and shall be rejected.				

Bidder:

If you are not prepared to bid, return this form and state the reason. The right is reserved to accept or reject all, or any part, of any bid submitted.

Read instructions, terms and conditions included herein.

BUYER'S SIGNATURE	
Frik Villescaz	

All Bids Must Be F.O.B. University

RETURN TO: Purchasing & Business Services at University Services Building, 1551 S Rural Road, Tempe, AZ 85281-5212 OR MAIL TO: Purchasing & Business Services, USB, Arizona State University., PO Box 875212, Tempe, AZ 85287-5212

QUANTITY	JANTITY UNIT DESCRIPTION			UNIT PR	RICE	AMOUNT
		Ford F-550 Diesel with an i	requesting formal sealed bids for a 2019 nstalled Dur-A-Lift DTAX-45FP Aluminum ations section below. The vehicle must be Campus by 07/31/2019.			
IMPORTANT: St	ow Arizo	undersigned agrees to furni with the specifications/scop	the terms and conditions, the authorized sh such goods/services in accordance se of work.		SALES	
assumed to have been included in unit and to					TAX	
St. of AZ Resale License No. Terms		Terms	Shipment will be made days after receipt of order	TOTAL		
Federal Tax ID Number			Telephone Number (Indicate an 800# if available)			
Firm (CO.) Name			By (Signature)		Date	
L						

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INSTRUCTIONS TO BIDDERS

1. You must address and deliver your sealed bid to the Receptionist area, Main Floor, University Services Building, Purchasing and Business Services, Arizona State University, 1551 S Rural Road, Tempe, Arizona 85281-5212, on or before the time and date set for closing. The University Services Building is located on the east side of Rural Road between Apache Boulevard & Broadway Road. Our overnight delivery address is Purchasing and Business Services, University Services Building, Arizona State University, 1551 S Rural Road, Tempe, Arizona 85281-5212. BIDS MUST BE IN A MARKED SEALED CONTAINER (eg: envelope / box):

Name of Bidder Bid Number Date and Time Bid is Due

All times noted are Mountain Standard Time (MST). Please note that Daylight Savings Time is NOT observed. No telephone, electronic or facsimile bids will be considered. **Bids received after the time and date set for closing, will be returned to the bidder unopened.**

- 2. When a brand or trade name appears in the specifications it is understood that it refers to that material or its equivalent, unless specifically stated, "no substitute". If an equivalent is acceptable, the features and/or specifications that must be equaled or exceeded will be stated in the specifications.
- 3. Unless specifically stated "no substitute", attach complete specifications for any substitution offered to show that it meets or exceeds the needed features and/or specifications, or when amplification is desirable or necessary.
- 4. At any time prior to the specified time and date set for bid opening, a bidder (or his designated representative) may withdraw his bid.
- 5. In case of error in the extension of prices in the bid, the unit price will govern. No bid shall be altered, amended or withdrawn after the specified time for opening bids.
- 6. Unless the bidder states otherwise, the University reserves the right to award by individual line item, by group of line items, or a total, whichever is deemed most advantageous to the University.
- 7. **Sales and Use Tax.** Arizona state and city sales taxes are payable by the University. Use tax on purchases outside the state of Arizona is the responsibility of the University. Bidders are not to include use tax in bid. The University calculates use tax on each out-of-state purchase and makes payment directly to the Arizona Department of Revenue. Arizona State University is exempt from Federal Excise Tax. Our Tax Exemption Number is A295813.
- 8. Time, in connection with discount offered, will be computed from the date of delivery of the supplies or materials to the University, or from date correct invoice is received, whichever is later.
- 9. Periods of time, stated as a number of days, shall be calendar days.
- 10. Unless otherwise specifically provided in this Invitation to Bid, all equipment, materials, parts and other components incorporated in the work or end item covered by this contract shall be completely new, of the latest model and of the most suitable grade for the purpose intended. Any and all work under this contract shall be performed in a skilled and workmanlike manner.
- 11. Samples of items when required, must be furnished free of expense prior to the opening of bids, and if not destroyed, will upon request, be returned at the bidder's expense. If a request is not received and a

method of return is not provided, all samples shall become the property of the University 45 days from the date of the award.

- 12. The University reserves the right to reject any or all proposals or any part thereof, or to accept any proposal, or any part thereof, or to withhold the award and to waive or decline to waive irregularities in any proposal when it determines that it is in its best interest to do so. The University also reserves the right to hold all proposals for a period of <u>one hundred twenty (120) days</u> after the opening date and the right to accept a proposal not withdrawn before the scheduled proposal opening date.
- 13. Arizona State University is a full-time educational institution and is therefore qualified for normal educational discounts. The University is also a unit of the State of Arizona and should receive the benefit of state government pricing (where such prices are lower than educational pricing).
- 14. All bids will be available for public review subsequent to contract execution or publication of award notification.
- 15. If federal funds are involved in this procurement, bidders agree to abide by all applicable federal rules and regulations.
- 16. Award shall be made to the successful bidder whose bid best conforms to the invitation and will be the most advantageous to the University with respect to price, conformity to the specifications and other factors. Other factors to be considered may include, but are not limited to, quality, uniformity of product, and bidder's past performance on other contracts with the University. Where time is of the essence, the best delivery date offered will be taken into consideration in the award. Awards may be made to other than the low price bid.
- 17. The University, notwithstanding any other provision of this Invitation to Bid (including all attached documents), expressly reserves the right to:
 - (a) Waive any insignificant defect or informality in any bid or bidding procedures;
 - (b) Reject any or all bids; or
 - (c) Reissue an Invitation to Bid.
- 18. No department, school, or office at the University has the authority to solicit official University quotations other than the Purchasing Department and its immediate administrative supervisors. All such solicitation is performed under the direct supervision of and in complete accordance with the directives of the Director of Purchasing, Arizona State University.
- 19. In accordance with an executive order titled Air Pollution Emergency Proclamation modified by the Governor of Arizona on July 16, 1996, the University formally requests that all products used in the performance of any contract that results from this solicitation be of low-or no-content of reactive organic compounds, to the maximum extent possible.
- 20. By submitting a bid, bidder acknowledges and accepts the ASU Terms and Conditions.

OTHER OPPORTUNITIES WITH THE UNIVERSITY Not Related to this Invitation to Bid

The ASU Magazine

Connect your business with an affluent, educated audience through a business partnership with the ASU Alumni Association. The Association is the touchstone for the University's 450,000 alumni and provides valuable connections between them and a wide variety of businesses. By doing business with the University, the largest university in the United States, your company can stand above the competition.

ASU alumni represent a responsive target market for your product or service.

- Alumni live worldwide.
- 230,000 of alumni reside in Arizona.
- More than 200,000 alumni live in Maricopa County.
- 38,000 of alumni reside in California.
- 55% of ASU alumni are under the age of 55.
- 85% own their own place of residence.
- 60% earn more than \$50,000 annually.
- 40% fall in the top two highest wealth rating categories.
- 14% hold multiple and /or advanced degrees.

Specific partnership opportunities exist in a variety of areas.

- Advertise in the ASU Magazine, mailed to more than 400,000 homes around the world three times per year.
- Sponsor one of the Association's many programs and events and receive recognition and access
 to targeted audiences. Events include: Founder's Day, Homecoming, Legends Luncheon, Sun
 Devil 100, football tailgates, Career Fairs and many more! Create a unique partnership with us
 to suit your needs.
- Establish benefits for ASU alumni by offering targeted discounts and services to Sun Devil alums all over the world.
- Advertise on the ASU Alumni Web site or on our 110 Chapter/Club websites or in monthly E
 newsletter which is sent out to more than 240,000 people monthly. Cost is \$1000 per month per
 each advertising venue.
- Learn more by Contacting John Davis at 480-965-5051 or jadavis@asu.edu today to start doing business with Sun Devil nation!

Sun Devil Sports Marketing

Sun Devil Sports Properties is the exclusive marketing and corporate sponsorship partner for Arizona State University Athletics and manages all corporate marketing opportunities surrounding Sun Devil Athletics. Sponsorship opportunities include, but are not limited to, on-premise signage, radio, print, digital, premium hospitality, event marketing and promotions. If you are interested in partnering with ASU Athletics, please contact Brittany Mack at 480-727-4151.

Arizona PBS Delivers...

Arizona PBS, delivers award-winning, educational, cultural and current events programming to approximately 1.5 million viewers each week. Become an AZPBS sponsor.

- AZPBS delivers reach. Comparable to other TV channels, well beyond cable channels and way beyond the top local radio stations and print media. AZPBS / KAET reaches 85 percent of the people of Arizona.
- AZPBS delivers quality audience. Business leaders, decision makers, high income households, educated citizens & boomers and spenders with disposable income.
- AZPBS delivers marketing benefits:
- Build brand awareness by linking your business with high-quality programs
- Generate community goodwill through support of public television
- Promote your offerings to a broad audience at an affordable price
- Market your brand in an environment free of commercial clutter
- AZPBS delivers multiple media platforms:
- 3 TV Channels Eight HD, Eight Life & Eight World
- Web views www.azpbs.org (150,000 unique visitors a month)
- E-Marketing 40,000 email addresses ... and more.

Contact: Chad Bowen at AZPBS corporate support at 602-496-8669 or Chad.Bowen@asu.edu Kelly McCullough, General Manager at 602-496-2422 or Kelly.McCullough@asu.edu

SPECIFICATIONS

FORD F55XL 4x4 SD Reg Cab 169" WB DRW

16 1 17 1 18 1 19 1	D60116 D60214 D60302 D60332 D4810 503-7010 D60349 D5237 D60348	LOWER CONTROL STOW 4 AXIS NON HREC JOYSTICK DOUBLE LOCKOUT LINER, BASKET PAIR OF BUCKET INSERT LIP CLIP 2.5" RIM COVER W/ VALVE COVER TOOL CIRCUIT AT BASKET HD H-FRAME W/ SUBFRAME SINGLE OUTRIGGER INTERLOCK OUTRIGGER PADS; 18" X 18" OUTRIGGER PAD HOLDERS (1 SET);18 FORESTRY BODIES FRAME EXT. CLASS 5/6 FOR HITCH 7 PIN SPADE TRAILER PLUG BODY AND MOUNTING HARDWARE KIT		
20 1 21 1		ALUMINUM CAB GUARD, CLASS 5 PTO & PUMP, CLASS 5		
22 2		·		
23 2				
24 1	D5374	BACKUP ALARM		
25 1	D60052	BOOM WARNING LIGHT		
26 4	D5584	FLUSH MOUNT WARNING LED LIGHT		
27 1	503-2019	ALUMINUM POOL HANDLE		
28 1	503-2019-005	WLD; GRAB HANDLE		
29 1	501-2273	LANYARD ANCHOR AND LOWER LOOP ASSY.		
30 1	501-2297	ASSY, ADJUSTABLE LADDER		
31 1	D5478	INCLINOMETER		
32 1	D60350	MUDFLAPS w. BRACKETS FOR PLATFORMS		
33 1	D4620	5 LB FIRE EXT. W MOUNTING BRKT		
34 1		TRIANGLE REFLECTOR KIT		
35 1		FIRST AID KIT		
36 1 501-0034-DVA VOTH - URBAN FORESTRY VOTH CHIPPER BODY WITH:				
7'6" Aluminum chipper dump body w/66" side and rear doors				
34" subframe for scissor lift				
15 ton Champion scissor lift Aluminum center platform				
11" x 18" x 96" Aluminum cross box				
15" x 36" x 47" Aluminum tool box				
20" x 22" x 26" Aluminum tool box				

SECTION VI – Green Purchasing Requirements/Specifications

In order to reduce the adverse environmental impact of our purchasing decisions the University is committed to buying goods and services from manufacturers and suppliers who share the University's environmental concern and commitment. Green purchasing is the method wherein environmental and social considerations are taken with equal weight to the price, availability and performance criteria that we use to make purchasing decisions.

Proposer shall use environmentally preferable products, materials and companies where economically feasible. Environmentally preferable products have a less or reduced effect on human health and the environment when compared to other products and companies that serve the same purpose. If two (2) products are equal in performance characteristics and the pricing is within 5%, the University will favor the more environmentally preferable product and company.

If you are citing environmentally preferred product claims, you must provide proper certification or detailed information on environmental benefits, durability and recyclable properties.

The University and the supplier may negotiate during the contract term to permit the substitution or addition of Environmentally Preferable Products (EPPs) when such products are readily available at a competitive cost and satisfy the university's performance needs.

Unless otherwise specified, proposers and contractors should use recycled paper and double-sided copying for the production of all printed and photocopied documents. Furthermore, the documents shall be clearly marked to indicate that they are printed on recycled content (minimum 30% post-consumer waste) paper.

Proposer shall minimize packaging and any packaging/packing materials that are provided must meet at least one of, and preferably all, of the following criteria:

Made from 100% post-consumer recycled materials Be recyclable Reusable Non-toxic Biodegradable

Further, proposer is expected to pick up packaging and either reuse it or recycle it. This is a requirement of the contract or purchase order.

Arizona State University Standard Terms and Conditions

ASU will issue a Purchase Order(s) for goods and/or services awarded under this ITB.

The parties to the Purchase Order will be bound by the ASU Terms and Conditions effective on the date the purchase order is received. The ASU Terms and Conditions are available at https://www.asu.edu/purchasing/pdf/Stand TsCs Provisions.pdf.

Insurance requirements are outlined within this RFP and will be included in any resulting Purchase Order. Proposals that are contingent upon any changes to these mandatory contract terms and conditions may be deemed non responsive and may be rejected. All exceptions must be submitted with justification and alternate language, and MUST be submitted with the proposal.

ASU Terms and Conditions Amendment: Unless and until the District Court's injunction in Jordahl v. Brnovich et al., Case No. 3:17-cv-08263 (D. Ariz.) is stayed or lifted, the Anti-Israel Boycott Provision (A.R.S.35-393.01 (A)) is unenforceable and the State will take no action to enforce it. Offers will not be evaluated based on whether this certification has been made.

MANDATORY CERTIFICATIONS

Fillable PDF versions of mandatory certifications are at: https://cfo.asu.edu/business/do-business-asu under the Formal Solicitations tab. ORIGINAL signatures are REQUIRED for either version.

CONFLICT OF INTEREST CERTIFICATION

(Date)		
The under	signed certifies that to the best of his/h	er knowledge: (check only one)
There is no officer or employee of Arizona State University who has, or who has, a substantial interest in any contract resulting from this request.		
have, or whose relative has, a sub		ficers or employees of Arizona State University who ostantial interest in any contract resulting from this antial interest, are included below or as an attachmen
(Email add	dress)	(Address)
(Signature	required)	(Phone)
(Print nam	e)	(Fax)
(Print title)		 (Federal Taxpayer ID Number)

FEDERAL DEBARRED LIST CERTIFICATION

(A) (check one) Are () or are not () presently debarred, suspended, proposed for

(B) (check one) **Have ()** or **have not ()**, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery,

debarment, or declared ineligible for the award of contracts by any Federal agency; (

Certification Regarding Other Responsibility Matters (April 2010)

(a) (1) The Offeror certifies, to the best of its knowledge and belief, that—

In accordance with the Federal Acquisition Regulation, 52.209-5:

(i) The Offeror and/or any of its Principals—

(Date)

nonresponsible.

falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and
(C) (check one) Are () or are not () presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision.
(D) (check one) Have () or have not () within a three-year period preceding this offer, been notified of any delinquent Federal <u>taxes</u> in an amount that exceeds \$3,500 for which the liability remains unsatisfied.
(ii) The Offeror (check one) has () or has not () , within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.
(2) (a) "Principal," for the purposes of this certification, means an officer; director; owner; partner; or, person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).
(b) The Offeror shall provide immediate written notice to the University if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by University may render the Offeror

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision.

The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the University may terminate the contract resulting from this solicitation for default.

(Email address)	(Address)
(Signature required)	(Phone)
(Print name)	(Fax)
(Print title)	(Federal Taxpayer ID Number)

ANTI-LOBBYING CERTIFICATION

Certification and Disclosure Regarding Payme (Sept 2007)	nts to Influence Certain Federal Transactions
(Date)	
In accordance with the Federal Acquisition Regula	ation, 52.203-11:
	in the clause, at FAR 52.203-12, Limitation on Payments this solicitation, are hereby incorporated by reference in
(b) The offeror, by signing its offer, hereby cert or after December 23, 1989—	ifies to the best of his or her knowledge and belief that on
attempting to influence an officer or employee of any a	e been paid or will be paid to any person for influencing or agency, a Member of Congress, an officer or employee of on his or her behalf in connection with the awarding of this
covered Federal transaction) have been paid, or will influence an officer or employee of any agency, a Men an employee of a Member of Congress on his or her because of the congress of the co	propriated funds (including profit or fee received under a be paid, to any person for influencing or attempting to or an officer or employee of Congress, or behalf in connection with this solicitation, the offeror shall in LLL, Disclosure of Lobbying Activities, to the University;
(3) Offeror will include the language of require that all recipients of subcontract awards in exc	this certification in all subcontract awards at any tier and ess of \$100,000 shall certify and disclose accordingly.
imposed by Section 1352, Title 31, United States Code	re is a prerequisite for making or entering into this contract. Any person who makes an expenditure prohibited under the form to be filed or amended by this provision, shall be not more than \$100,000, for each such failure.
(Email address)	(Address)
(Signature required)	(Phone)
(Print name)	(Fax)
(Print title)	(Federal Taxpayer ID Number)

<u>SUPPLIER SUSTAINABILITY QUESTIONNAIRE - SMALL COMPANY</u>

Firm Name:	Date:
The Supplier	Sustainability Questionnaire must be completed and returned with your Proposal. This
questionnaire	e is applicable to firms that provide services as well as those that provide goods.
Arizona State	e University's vision is to be environmentally sustainable while expanding our education,
research, and	d community support programs. The University seeks suppliers who share our
sustainability	vision. Accordingly, please answer the following questions.
To each ques	stion please provide at least one of the following types of responses:

Γο each question please provide at least one of the following types of responses:

- An explanation or description
- A URL of your policy or program

An electronic copy of your illustrative policies or programs must be provided if requested. If the question does not apply, answer with N/A and provide an explanation as to why.

Energy

- 1. What is your firm doing to be energy efficient?
- 2. What plan is in place to reduce greenhouse gas emissions in the future?

Solid Waste

- 1. What is your firm doing to reduce waste to landfill?
- 2. What plan is in place to reduce waste to landfill generated in the future?

Water Waste

- 1. What is your firm doing to reduce water waste?
- 2. What plan is in place to reduce water waste in the future?

Packaging

- 1. What is your firm's plan to minimize packaging and/or describe your firm's packaging "Take Back" program?
- 2. What kind of reusable, recyclable, and/or compostable packaging materials does your firm use?
- 3. What does your firm do to encourage/require your suppliers to minimize packaging and/or use reusable, recyclable, or compostable packaging materials?

Sustainability Practices

- 1. What programs does your firm have to encourage your employees to use alternative transportation while commuting to work and travelling locally?
- 2. What sustainability guidelines or environmental statement does your firm have to guide the firm as a whole?
- 3. What are your firm's sustainable purchasing guidelines?
- 4. What kind of position(s) or team(s) does your firm have dedicated to overseeing sustainability initiatives?
- 5. List the sustainability related professional associations of which your firm is a member.
- 6. What kind of effort does your firm make to reduce the use of environmentally harmful materials?
- 7. Does your firm use Green Seal/EcoLogo certified or biodegradable/eco-friendly cleaning products?
- 8. Has your firm been cited for non-compliance of an environmental or safety issue in the past ten
- 9. Name any third party certifications your firm has in regards to sustainable business practices?

10. Describe any other initiatives your firm has taken to integrate sustainability practices principles into your operations.

Community

- 1. What charity, community development, educational programs, or environmental programs is your firm involved in within your local community?
- 2. What educational programs does your firm have to develop employees?

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Firm Name: _	Date:
The Supplier S	Sustainability Questionnaire must be completed and returned with your Proposal. This
questionnaire	is applicable to firms that provide services as well as those that provide goods.
Arizona State	University's vision is to be environmentally sustainable while expanding our education,
research, and	community support programs. The University seeks suppliers who share our
sustainability v	rision. Accordingly, please answer the following questions.
To each quest	ion please provide at least one of the following types of responses:

- An explanation or description
 - A URL of your policy or program

An electronic copy of your illustrative policies or programs must be provided if requested. If the question does not apply, answer with N/A and provide an explanation as to why.

Energy

- 1. What is your firm doing to be energy efficient?
- 2. What are your firm's annual greenhouse gas emissions in metric tons of carbon dioxide equivalent? (Enter total metric tons of CO2 equivalency [includes the following GHGs: CO2, CH4, N2), SF6, HFCs and PFCs])
- 3. What plan is in place to reduce greenhouse gas emissions in the future?

Solid Waste

- 1. What is your firm doing to reduce waste to landfill?
- 2. What is your firm's annual waste to landfill generated in metric tons? (Enter total metric tons)
- 3. What plan is in place to reduce waste to landfill generated in the future?

Water Waste

- 1. What is your firm doing to reduce water waste?
- 2. What is your firm's annual water waste in gallons? (Enter total gallons)
- 3. What plan is in place to reduce water waste in the future?

Packaging

- 1. What is your firm's plan to minimize packaging and/or describe your firm's packaging "Take Back" program?
- 2. What kind of reusable, recyclable, and/or compostable packaging materials does your firm use?
- 3. What does your firm do to encourage/require your suppliers to minimize packaging and/or use reusable, recyclable, or compostable packaging materials?

Sustainability Practices

- 1. What programs does your firm have to encourage your employees to use alternative transportation while commuting to work and travelling locally?
- 2. What sustainability guidelines or environmental statement does your firm have to guide the firm as a whole?

- 3. What are your firm's sustainable purchasing guidelines?
- 4. What kind of position(s) or team(s) does your firm have dedicated to overseeing sustainability initiatives?
- 5. List the sustainability related professional associations of which your firm is a member.
- 6. What kind of effort does your firm make to reduce the use of environmentally harmful materials?
- 7. Has an environmental life-cycle analysis of your firm's products been conducted by a certified testing organization?
- 8. Does your firm use Green Seal/EcoLogo certified or biodegradable/eco-friendly cleaning products?
- 9. Has your firm been cited for non-compliance of an environmental or safety issue in the past ten vears?
- 10. Name any third party certifications your firm has in regards to sustainable business practices?
- 11. Describe any other initiatives your firm has taken to integrate sustainability practices principles into your operations.

Community

- 1. What charity, community development, educational programs, or environmental programs is your firm involved in within your local community?
- 2. What educational programs does your firm have to develop employees?

If your firm is just beginning the sustainability journey, or is looking for tools and resources, here are some suggestions: Energy

Greenhouse Gas Protocol provides tools to calculate emissions that are industry specific:

http://www.ghgprotocol.org/calculation-tools

Practice Green health provides basic information and tools for emissions as well:

https://practicegreenhealth.org/topics/energy-water-and-climate/climate/tracking-and-measuring-greenhouse-gas-emissions

Solid Waste

The EPA's pre-built excel file to help measure and track your waste and recycling:

http://www.epa.gov/smm/wastewise/measure-progress.htm

Greenbiz's comprehensive guide to reducing corporate waste:

 http://www.greenbiz.com/research/report/2004/03/09/business-guide-waste-reductionand-recycling

Water Waste

BSR's guide on how to establish your water usage:

http://www.bsr.org/reports/BSR Water-Trends.pdf

EPA information about conserving water:

http://water.epa.gov/polwaste/nps/chap3.cfm

Packaging

Links to get you started on sustainable packaging:

- o http://www.epa.gov/oswer/international/factsheets/200610-packaging-directives.htm
- http://sustainablepackaging.org/uploads/Documents/Definition%20of%20Sustainable%2
 0Packaging.pdf

Sustainability Practices

Ideas for alternative transportation programs:

 http://www.ctaa.org/webmodules/webarticles/articlefiles/SuccessStoriesEmpTranspProg rams.pdf

The EPA environmentally preferable purchasing guidelines for suppliers:

o http://www.epa.gov/epp/

EPA life cycle assessment information:

o http://www.epa.gov/nrmrl/std/lca/lca.html

Green Seal green products & services:

http://www.greenseal.org/FindGreenSealProductsandServices.aspx?vid=ViewProductDetail&cid=16

Ecologo cleaning and janitorial products:

o http://www.ecologo.org/en/certifiedgreenproducts/category.asp?category_id=21

EPA information on sustainable landscape management:

o http://www.epa.gov/epawaste/conserve/tools/greenscapes/index.htm