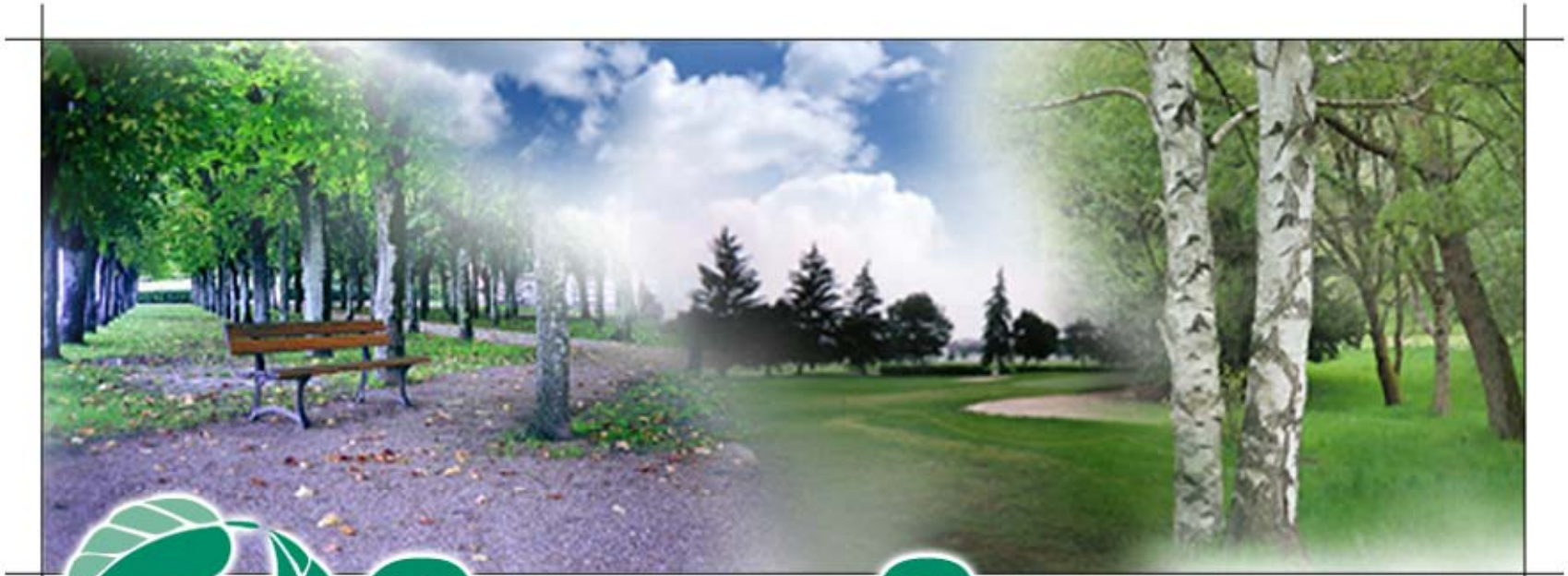

GreenScapes

Environmentally Beneficial Landscaping

Building Sustainable Sites From the Ground Up

GreenScapes is:

- Multi-media EPA Partnership Program designed to promote a wide variety of sustainable landscape design, construction and land management practices.

GreenScapes is:

- Designed to help preserve natural resources and prevent waste and pollution by encouraging more holistic decisions regarding waste, water, chemicals, energy, and land use.

GreenScapes is:

- Designed to provide cost-efficient and environmentally friendly **solutions** - improving both an organization's bottom-line and the environment.

Think about:

- **Millions of tons of waste materials that are**
  - **Hauled away to a landfill,**
  - **Buried, or**
  - **Burned**

  Each and every day from landscape construction & maintenance operations:
  - **Trees**
  - **Shrubs,**
  - **Brush**
  - **Lumber**
  - **Asphalt**
  - **Concrete, etc…**

GreenScapes
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Also, consider the millions of gallons of:

- Water
- Pesticides
- Fertilizers
- Fuels
- Oil

Used each & every day in building and maintaining these lands.

Make more holistic and sustainable decisions regarding use of:

- Materials & waste
- Soil
- Water
- Chemicals
- Air
- Plant material
- Energy
- Land (preservation & restoration)

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The *GreenScapes* Solution: Focus on the 4 Rs

- **Reduce**
- **Reuse**
- **Recycle**
- **Rebuy**

The Economic & Environmental Benefits of *GreenScaping*:

- Reduced water use
- Reduced irrigation costs – water & energy
- Reduced plant growth
- Reduced plant maintenance
- Reduced waste generation
- Reduced labor – time & cost (maint. & disposal)
- Reduced equipment operating times
- Reduced equip. maint. – labor & supplies
- Reduced fuel use
- Reduced emissions
- Reduced fertilizer use – material & labor savings
- Reduced pesticide use – material & labor savings
- Reduced nonpoint source pollution
- Reduced exposure to hazardous materials
- Reduce insurance costs?

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Benefits:

- **Material cost savings**
- **Labor cost savings**
- **Equal or superior performance**

= $$$ for you / your customer

Additional Benefits of GreenScaping:

- **Improved competitive edge with reduced costs and improved materials & energy efficiency.**

Additional Benefits of GreenScaping:

- **Reduced exposure to your customers, employees, and yourself from potentially harmful chemicals, solvents, fuels, and pesticides.**

GreenScapes
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Additional Benefits of GreenScaping:

- **Improved public perception of your business.**

Additional Benefits of GreenScaping:

- **Knowledge that you are making a difference by:**
  - **helping prevent pollution**
  - **saving natural resources**
  - **curbing climate change**
  - **reducing your "environmental footprint" on the Earth.**

The GreenScapes Alliance

- EPA Partnership program to implement & promote “green” landscape practices

- Partners & Allies

GreenScapes Alliance:

- **A growing group of organizations, large and small, coming together to promote green landscape practices.**

- **Currently 85+ organizations including:**

US Green Building Council & **American Society of Landscape Architects**

GreenScapes Alliance:

- **Provides state-of-the-art recommendations and Best Management Practices (BMPs)**

- **Web-based menu of options & resources**
  - **Multi-media**
  - **Technical information (specs, guidelines, research)**

National Recognition Program & Case Studies

Benefits of Native Landscaping | GreenScapes Success Story...

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U.S. Environmental Protection Agency

GreenScapes

Recent Additions | Contact Us | | Print Version Search: GO

EPA Home > Wastes > GreenScapes > Success Stories > Benefits of Native Landscaping

- GreenScapes
  - Large-Scale
  - Homeowners
- Where You Live
- Newsroom
- Benefits
- How to GreenScape
  - Reduce
  - Reuse
  - Recycle
  - Rebuy
- GreenScapes Alliance
  - Partners and Allies
- Success Stories
- Resources
- Related Links

Benefits of Native Landscaping

Self-Containing Ecosystem

EPA530-F-05-015
August 2005

The landscape at the Century Park retail complex in central Oregon never needs fertilizer, pesticides, extensive watering, or mowing, thanks to the native landscaping installed by WinterCreek Restoration. Fifty-one native species—those that have evolved and adapted to the geography, hydrology, and climate of the region—occupy the 33,000-square foot landscape to create a self-sustaining ecosystem. "The project is so successful," commented landscaper Rick Martinson of WinterCreek Restoration, "it's almost working too well."

The success of the project is primarily due to the native plants used throughout the landscape. The

Trusted sites

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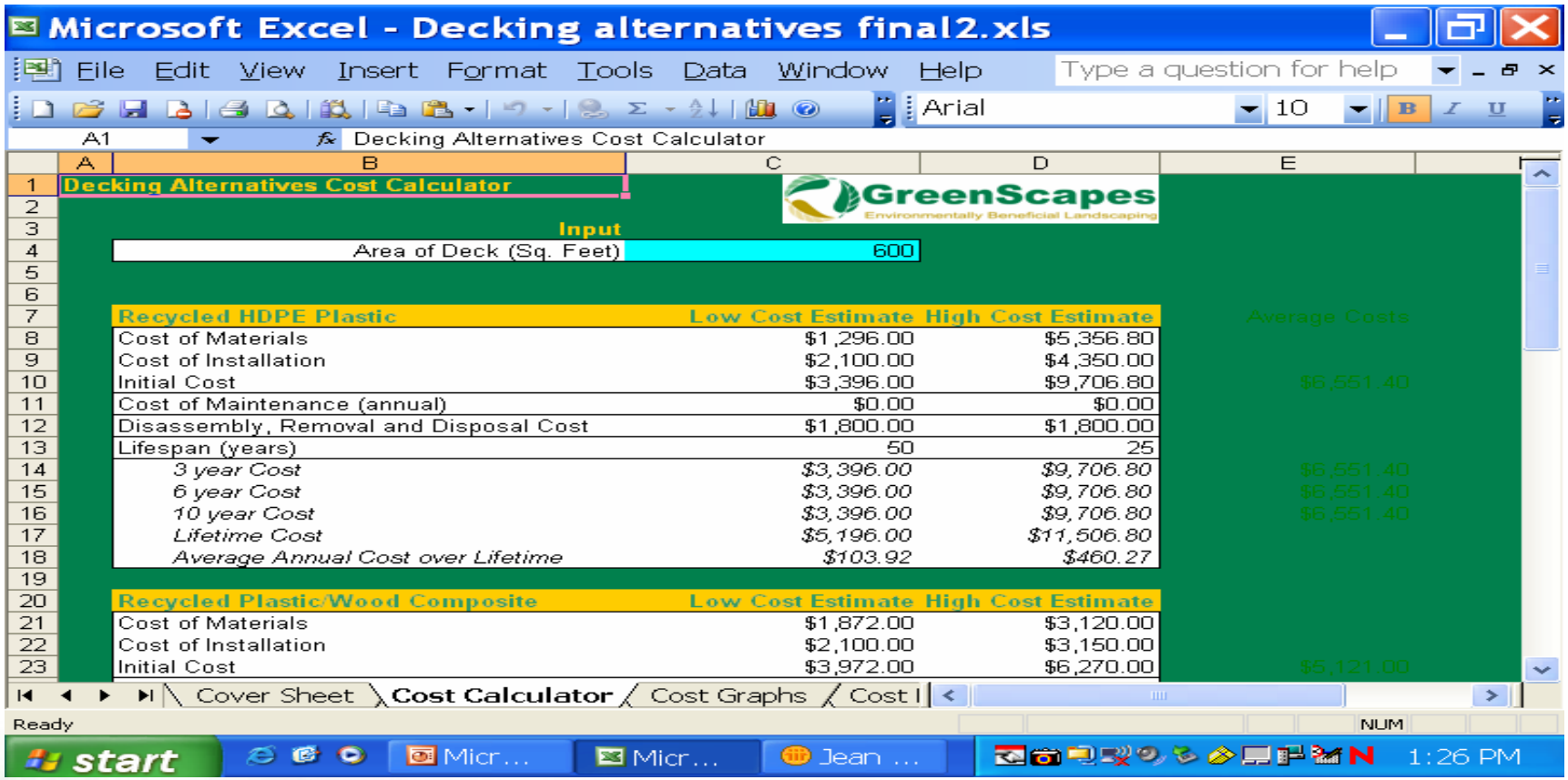
Development of On-line *Cost/Benefit Calculators*



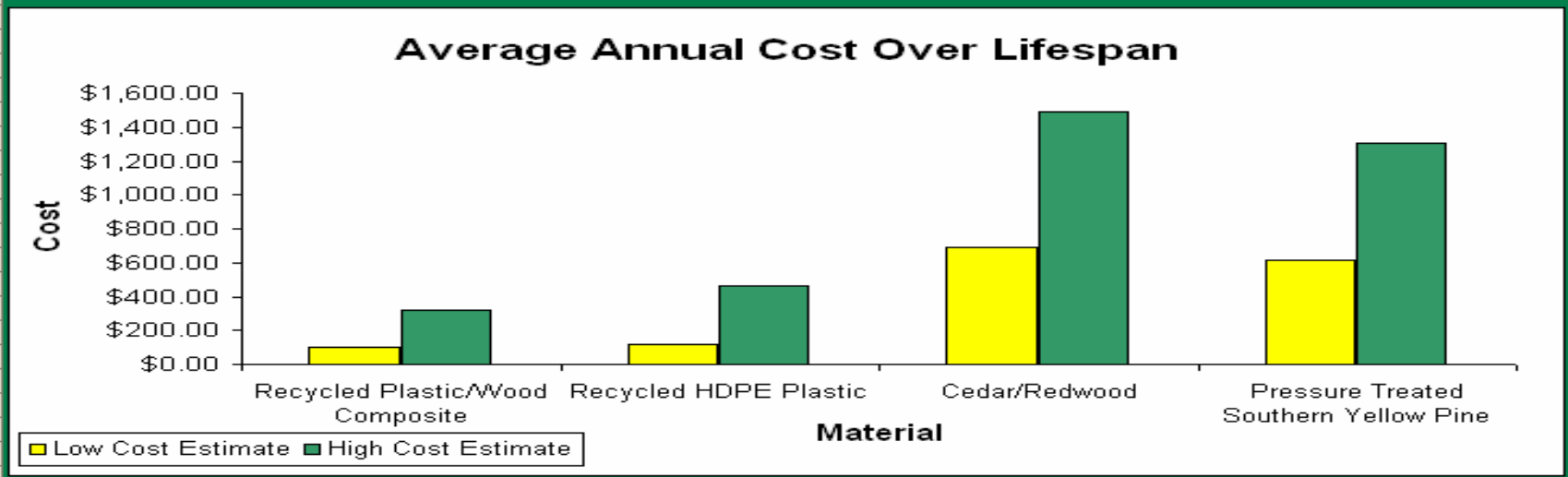
Microsoft Excel - Decking alternatives final2.xls

File Edit View Insert Format Tools Data Window Help Type a question for help

Arial 10 B I U

A1 Decking Alternatives Cost Graphs

*This graph is generated using the average of the high and low cost estimates for each material



Cover Sheet | Cost Calculator | Cost Graphs | Cost I

Ready NUM

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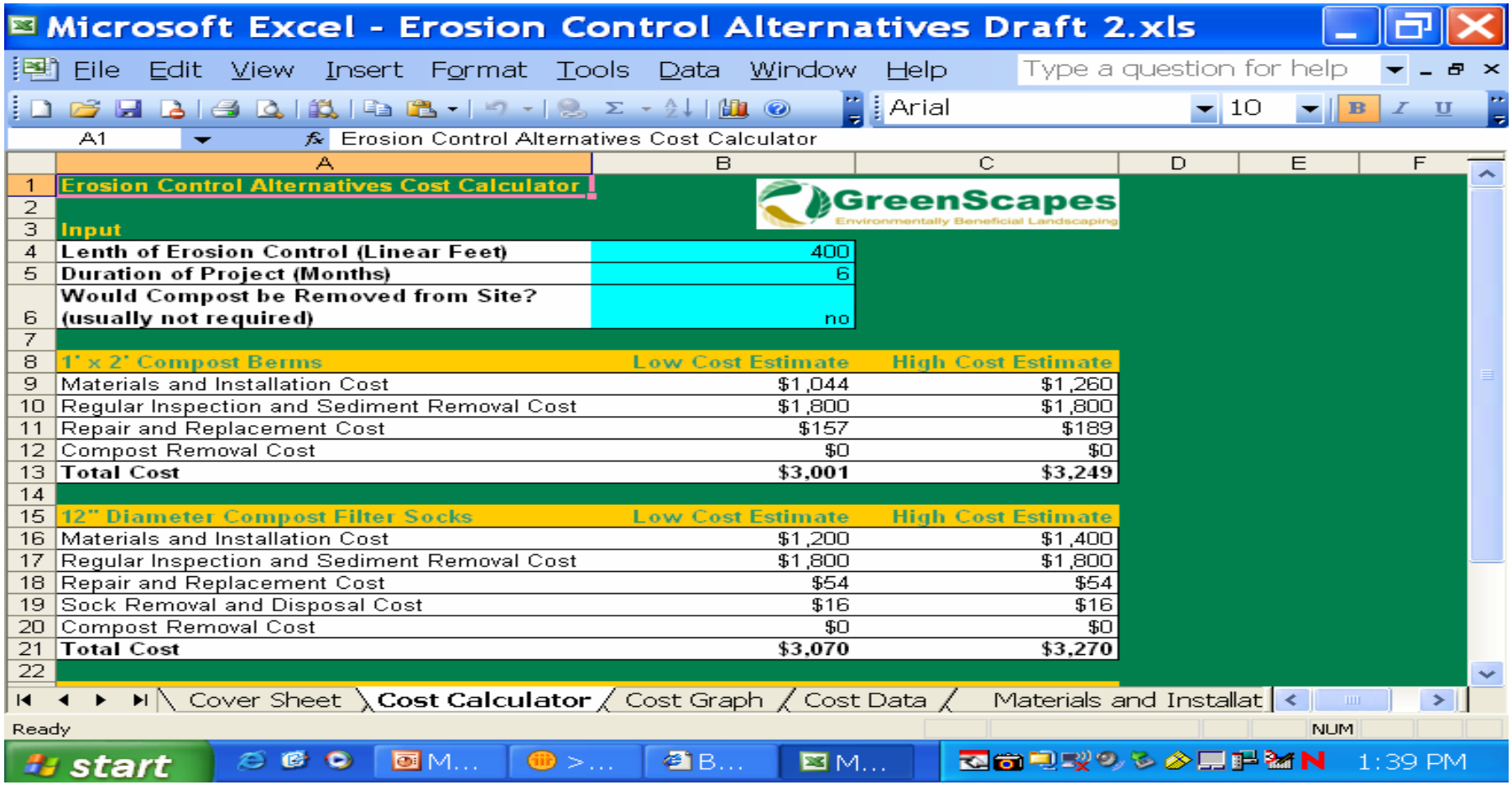
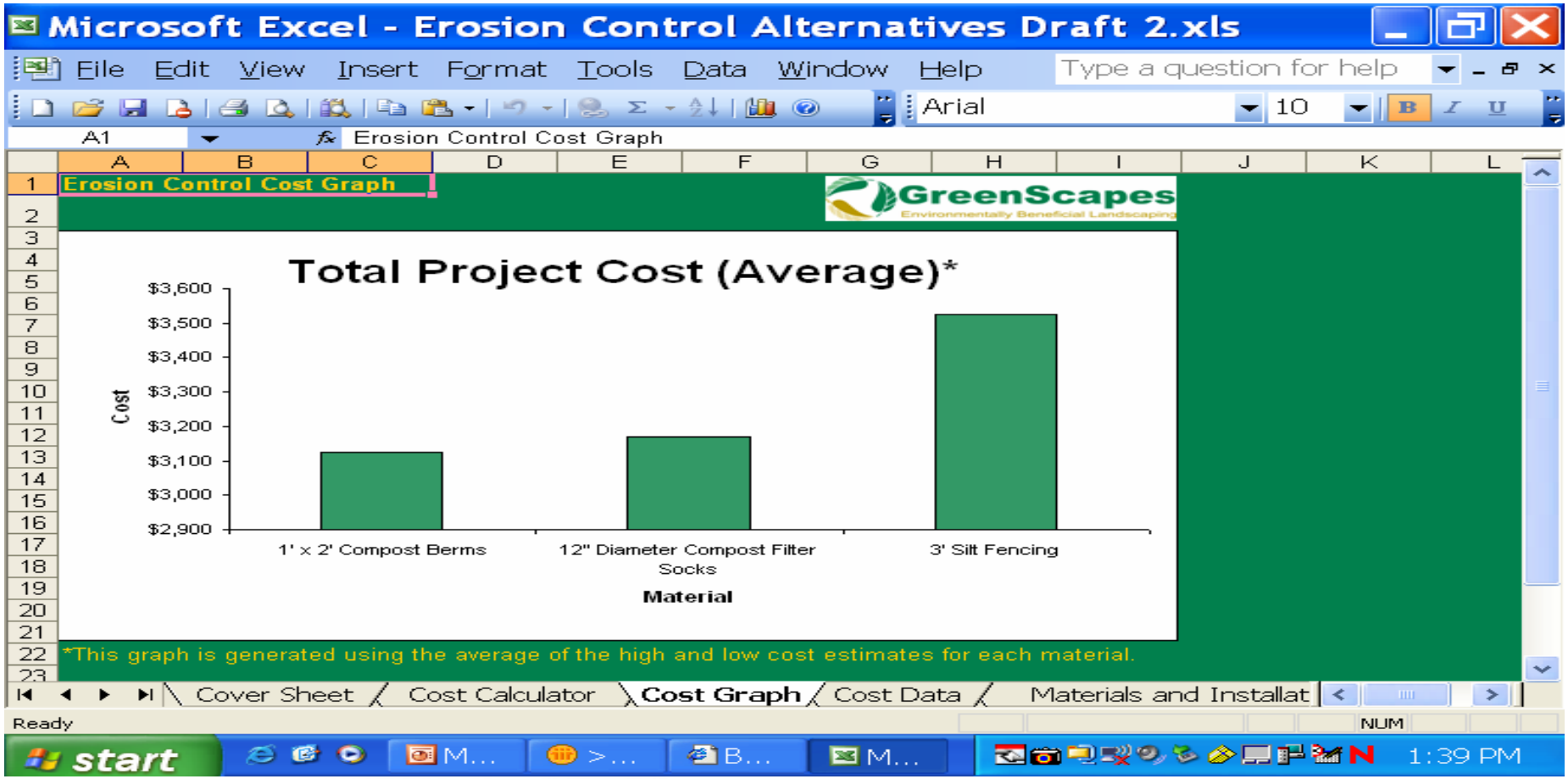


	A	B	C	D	E	F
1	**Erosion Control Alternatives Cost Calculator**					
2						
3	**Input**					
4	**Lenth of Erosion Control (Linear Feet)**	400				
5	**Duration of Project (Months)**	6				
6	**Would Compost be Removed from Site? (usually not required)**	no				
7						
8	**1' x 2' Compost Berms**	**Low Cost Estimate**	**High Cost Estimate**			
9	Materials and Installation Cost	$1,044	$1,260			
10	Regular Inspection and Sediment Removal Cost	$1,800	$1,800			
11	Repair and Replacement Cost	$157	$189			
12	Compost Removal Cost	$0	$0			
13	**Total Cost**	**$3,001**	**$3,249**			
14						
15	**12" Diameter Compost Filter Socks**	**Low Cost Estimate**	**High Cost Estimate**			
16	Materials and Installation Cost	$1,200	$1,400			
17	Regular Inspection and Sediment Removal Cost	$1,800	$1,800			
18	Repair and Replacement Cost	$54	$54			
19	Sock Removal and Disposal Cost	$16	$16			
20	Compost Removal Cost	$0	$0			
21	**Total Cost**	**$3,070**	**$3,270**			
22						


Microsoft Excel - Erosion Control Alternatives Draft 2.xls
File Edit View Insert Format Tools Data Window Help
Type a question for help
Arial 10
A1 Erosion Control Cost Graph
Erosion Control Cost Graph
GreenScapes
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Total Project Cost (Average)*
$3,600
$3,500
$3,400
$3,300
$3,200
$3,100
$3,000
$2,900
Cost
1' x 2' Compost Berms
12" Diameter Compost Filter Socks
3' Silt Fencing
Material
*This graph is generated using the average of the high and low cost estimates for each material.
Cover Sheet
Cost Calculator
Cost Graph
Cost Data
Materials and Installat
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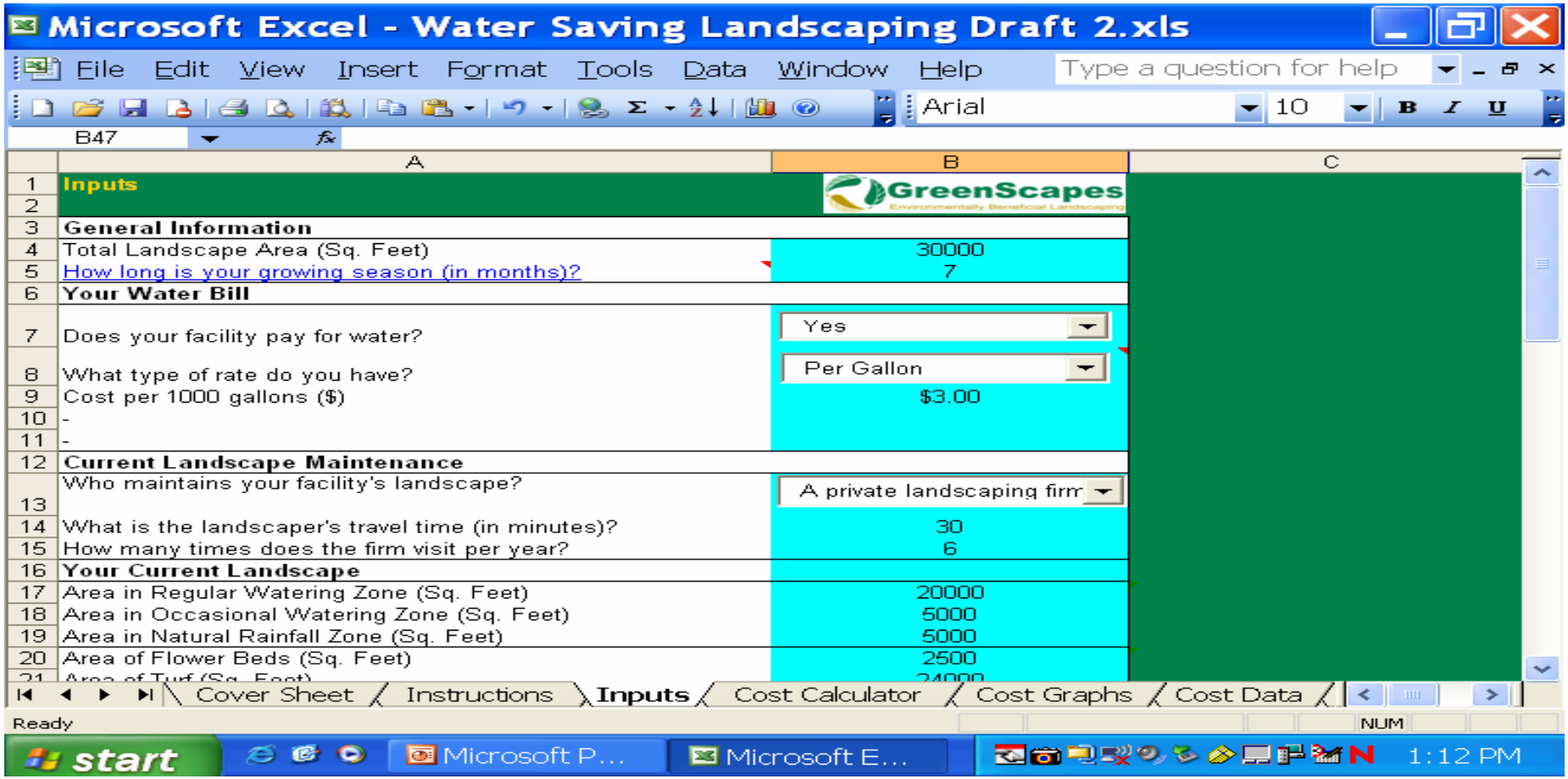
Environmentally Beneficial Landscaping


Microsoft Excel - Water Saving Landscaping Draft 2.xls
File Edit View Insert Format Tools Data Window Help
Type a question for help
Arial 10
B47
Inputs
GreenScapes
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General Information
Total Landscape Area (Sq. Feet) 30000
How long is your growing season (in months)? 7
Your Water Bill
Does your facility pay for water? Yes
What type of rate do you have? Per Gallon
Cost per 1000 gallons ($) $3.00
Current Landscape Maintenance
Who maintains your facility's landscape? A private landscaping firm
What is the landscaper's travel time (in minutes)? 30
How many times does the firm visit per year? 6
Your Current Landscape
Area in Regular Watering Zone (Sq. Feet) 20000
Area in Occasional Watering Zone (Sq. Feet) 5000
Area in Natural Rainfall Zone (Sq. Feet) 5000
Area of Flower Beds (Sq. Feet) 2500
Cover Sheet Instructions Inputs Cost Calculator Cost Graphs Cost Data
Ready
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Microsoft P...
Microsoft E...
1:12 PM


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GreenScapes

- Member of the **ASLA** Product Development Committee for the Practice Guidelines and Metrics for the Sustainable Sites tools.

(Sunday 4pm)

GreenScapes is also working with:

- **Federal EMS** (environmental management systems) development of green landscaping guidance – will be posted on both the GreenScapes web page and Fedcenter.gov

- The Federal "**Green Highways**" initiative

- Both encourage more "**sustainable**" construction & maintenance practices

The Future is Now – Get Ahead of the Game

- **More Federal, State, and local gov’ts will spec “sustainable” & “low impact development” techniques & technologies**
- **More commercial businesses are requiring “greener” practices and products - The US Green Building Council LEEDs**
- **Businesses are seeing the GREEN in “green”**

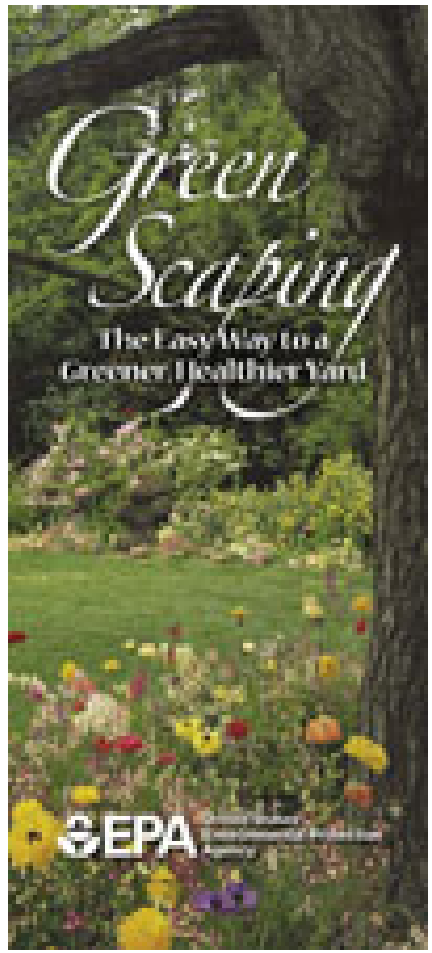
GreenScapes for Homeowners

Launched September 2006

Education & Outreach campaign

Message: Save Time & Money

Stimulate demand for "greener" landcare products and services



GreenScapes
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Please Join Us for Part II

- **Building Sustainable Sites From the Ground Up – Water**

- **12:45 – 2:15 Room M100G**
  - **Low Impact Development**
  - **Designing for Water Efficiency**
  - **Irrigation: Latest Techniques & Technologies**

For more info and to Join Us…

- **www.epa.gov/greenscapes**
  (exhibit booth 118)

- Sample of resources here & booth

- Contact: **Jean Schwab**
- Email: **schwab.jean@epa.gov**