



educate → inform → impress

[www.greentouchscreen.com](http://www.greentouchscreen.com)

614 Billy Sunday Road

Suite 500

Ames, IA 50010

Phone: 515.956.1564

[www.greentouchscreen.com](http://www.greentouchscreen.com)

August 1, 2005  
Mr. Seth Carson  
Blue Feather Design / Build Associates  
PO Box 415  
Laramie, WY 82073

Dear Mr. Carson,

Based on our conversations, I have developed a price estimate for the development of an Internet-based Green Touchscreen touch screen kiosk for Laramie County Community College.

Green Touchscreen proposes to design and develop a custom educational touch screen kiosk to the specifications which will be developed by Blue Feather Design / Build Associates, Laramie County Community College and Green Touchscreen. The kiosk will serve as an exciting and interactive information source students and visitors can use to learn about LEED, the school building, alternative energy and the green systems used in the building. It will also serve as an educational and demonstration tool for current and future students via the Internet.

The attached rough estimate was developed assuming that the kiosk will contain all of the features discussed in your email dated August 1, 2005 and is broken down by feature. These features include information about the building, the LEED program and energy in general. It also assumes that the kiosk will include an animated 2D building directory searchable by room number, name, and displaying the room number, name, description and contact information if applicable. In addition, it is assumed that the kiosk will display real time or near-real time data points from the building's automation system to display the total amount of energy produced by the wind turbine and photovoltaic array, the operation of the geo exchange system and the energy used and produced by the electrical / geo exchange system. Please note that the cost of the real time data integration features assumes that the data points will be made available via XML web services, OPC or similar protocol.

The price estimate includes hardware and assumes that the kiosk will be mounted on a wall or in a wall. It also assumes that Green Touchscreen will host the kiosk, the first year of which is included free. The first year of our service agreement is also included free of charge and costs 10% of the kiosk software price per year after that.

We anticipate that the development of this kiosk will take approximately ten to twelve weeks once the technical specifications of the kiosk and building automation system are known.

I appreciate your giving us the opportunity to develop a Green Touchscreen kiosk for Laramie County Community College. If you would like anything additional added we would be happy to quote additional features for you, please let me know.

Sincerely,

Thomas Wacha

Thomas Wacha,  
Director of Sales and Marketing  
Green Touchscreen



Quality Attributes Software, Inc.

614 Billy Sunday Road  
Suite 500  
Ames, IA 50010  
www.qualityattributes.com

# Estimate

Date	Estimate #
8/1/2005	77

Name / Address
Laramie County Community College Laramie, WY 82070

Project
Green Touchscreen

Description	Hours/Months	Rate	Total
Design Phase			
Design Phase - Scope of Work, Goal and Requirement Development	6	70.00	420.00
Design Phase - Database Design	3	70.00	210.00
Design Phase - Flash Layout Design	7	70.00	490.00
Subtotal Of Design Phase			1,120.00
Development Phase - Overall Green Touchscreen Structure			
Development Phase - Database Development	2	70.00	140.00
Development Phase - Flash Animation	6	70.00	420.00
Development Phase - Flash Dynamic Interface Programming	10	70.00	700.00
Development Phase - Flash Graphics	3	70.00	210.00
Development Phase - Flash XML Application Service	2	70.00	140.00
Subtotal Of Overall Green Touchscreen Structure			1,610.00
Development Phase - Geo Exchange Animation And Education Page With Live Control System Data (Will include floor plan with 26 zones identified as heating or cooling). (Data Points Must Be Made Available By The Building Automation System)			
Development Phase - Database Development	8	70.00	560.00
Development Phase - Flash Animation	12	70.00	840.00
Development Phase - Flash Dynamic Interface Programming	17	70.00	1,190.00
Development Phase - Flash Graphics	20	70.00	1,400.00
Development Phase - Flash XML Application Service	14	70.00	980.00
Subtotal Of Geo Exchange Animation And Education Page With Live Control System Data			4,970.00
Development Phase - Energy and LEED Information Pages (Up To 5)			
Development Phase - Flash Dynamic Interface Programming	5	70.00	350.00
Development Phase - Flash Graphics	8	70.00	560.00
Subtotal Of Energy and LEED Information Pages			910.00
Development Phase - Energy Produced, Energy Used Monitoring (Data Points Must Be Made Available By The Building Automation System)			
Development Phase - Flash Animation	5	70.00	350.00
Development Phase - Flash Dynamic Interface Programming	3	70.00	210.00
We look forward to working with you!	<b>Total</b>		



Quality Attributes Software, Inc.

614 Billy Sunday Road  
 Suite 500  
 Ames, IA 50010  
 www.qualityattributes.com

# Estimate

Date	Estimate #
8/1/2005	77

Name / Address
Laramie County Community College Laramie, WY 82070

Project
Green Touchscreen

Description	Hours/Months	Rate	Total
Development Phase - Flash Graphics	4	70.00	280.00
Development Phase - Flash XML Application Service	7	70.00	490.00
Subtotal Of Energy Produced, Energy Used Monitoring			1,330.00
Development Phase - Recording Energy Produced, Energy Used Over Time (Trending)			
Development Phase - Database Development	5	70.00	350.00
Development Phase - Flash Animation	2	70.00	140.00
Development Phase - Flash Dynamic Interface Programming	2	70.00	140.00
Development Phase - Flash Graphics	5	70.00	350.00
Subtotal of Recording Energy Produced, Energy Used Over Time (Trending)			980.00
Development Phase - Animated, Interactive Building Directory (36,000 sqft)			
Development Phase - Database Development	7	70.00	490.00
Development Phase - Flash Animation	15	70.00	1,050.00
Development Phase - Flash Dynamic Interface Programming	14	70.00	980.00
Development Phase - Flash Graphics	22	70.00	1,540.00
Subtotal Of Animated, Interactive Building Directory			4,060.00
Development Phase - Real Time Weather Data (Up To 5 Items)			
Development Phase - Flash Animation	3	70.00	210.00
Development Phase - Flash Dynamic Interface Programming	4	70.00	280.00
Development Phase - Flash Graphics	4	70.00	280.00
Development Phase - Flash XML Application Service	5	70.00	350.00
Subtotal Of Real Time Weather Data			1,120.00
Development Phase - Wind Turbine And Solar Array Pages (Up To 5 Static Pages)			
Development Phase - Flash Dynamic Interface Programming	5	70.00	350.00
Development Phase - Flash Graphics	8	70.00	560.00
Subtotal of Wind Turbine And Solar Array Pages			910.00
Implementation Phase			
Implementation Phase - Green Touchscreen Deployment	8	70.00	560.00
Subtotal Of Implementation Phase			560.00
We look forward to working with you!	<b>Total</b>		



Quality Attributes Software, Inc.

614 Billy Sunday Road  
 Suite 500  
 Ames, IA 50010  
 www.qualityattributes.com

# Estimate

Date	Estimate #
8/1/2005	77

Name / Address
Laramie County Community College Laramie, WY 82070

Project
Green Touchscreen

Description	Hours/Months	Rate	Total
Testing Phase			
Testing Phase - Green Touchscreen Testing	8	70.00	560.00
Subtotal Of Testing Phase			560.00
Kiosk Hardware			
Kiosk Hardware - 19" Flat Panel LCD Touch Screen Monitor		1,500.00	1,500.00
Kiosk Hardware - Pentium 4 CPU		500.00	500.00
Subtotal Of Kiosk Hardware			2,000.00
Optional Kiosk Site Hosting - First Year Free, Then \$25 / Month		0.00	0.00
Optional Maintenance - Kiosk - First Year Free, then 10% of Kiosk Software Cost / Year		0.00	0.00

We look forward to working with you!	<b>Total</b>	\$20,130.00
--------------------------------------	--------------	-------------