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Kwik Surveys

Survey Invitations

Invitations Sent:	**0**
Invitations Accepted:	**0**
Untracked Responses:	**307**
Total Responses Received:	**307**

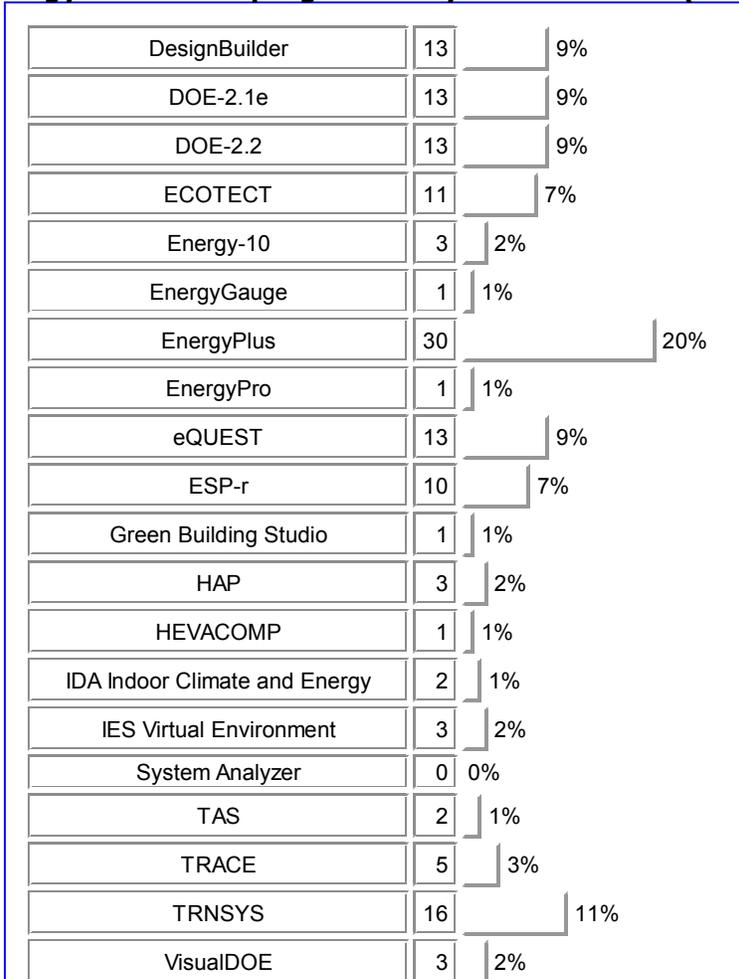**View invitations & send reminders**

Results Filtering

Select Willing To Program

Edit

Delete

Add Filter

Question 1

What building energy simulation programs do you know well? (choose one or more)

Program	Count	Percent
DesignBuilder	13	9%
DOE-2.1e	13	9%
DOE-2.2	13	9%
ECOTECT	11	7%
Energy-10	3	2%
EnergyGauge	1	1%
EnergyPlus	30	20%
EnergyPro	1	1%
eQUEST	13	9%
ESP-r	10	7%
Green Building Studio	1	1%
HAP	3	2%
HEVACOMP	1	1%
IDA Indoor Climate and Energy	2	1%
IES Virtual Environment	3	2%
System Analyzer	0	0%
TAS	2	1%
TRACE	5	3%
TRNSYS	16	11%
VisualDOE	3	2%

Other (please enter in comment box)	6	4%

ID	Comments	View Survey
1442496	MICROPAS	View
1444522	Suncode	View
1444631	TRNSYS version of TUD	View
1445881	HOT2000	View
1446096	HOT2000/HOT3000	View
1485522	PowerDomus	View
1486461	Radiance	View

Pop-up

Question 2

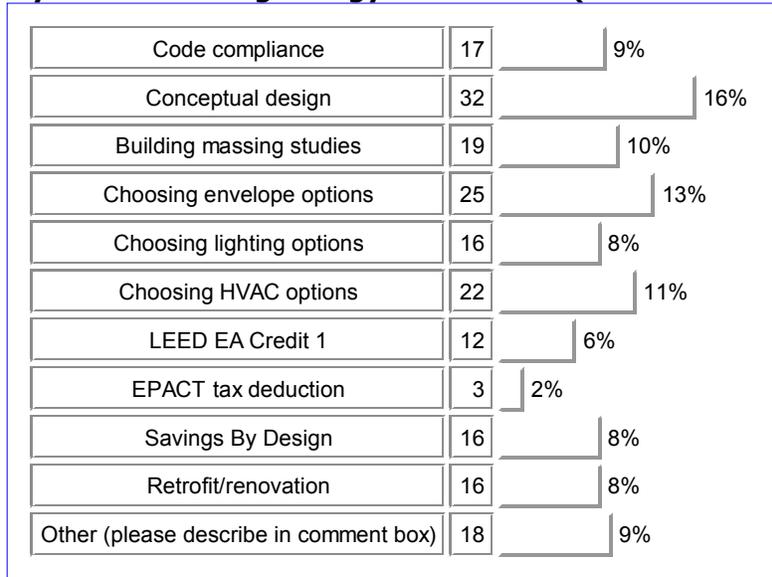## What other building energy simulation programs have you used? (choose one or more)

Program	Count	%
DesignBuilder	7	6%
DOE-2.1e	4	3%
DOE-2.2	5	4%
ECOTECT	11	9%
Energy-10	5	4%
EnergyGauge	2	2%
EnergyPlus	19	16%
EnergyPro	4	3%
eQUEST	9	7%
ESP-r	10	8%
Green Building Studio	5	4%
HAP	3	2%
HEVACOMP	0	0%
IDA Indoor Climate and Energy	4	3%
IES Virtual Environment	7	6%
System Analyzer	2	2%
TAS	1	1%
TRACE	3	2%
TRNSYS	13	11%
VisualDOE	5	4%
Other (please enter in comment box)	3	2%
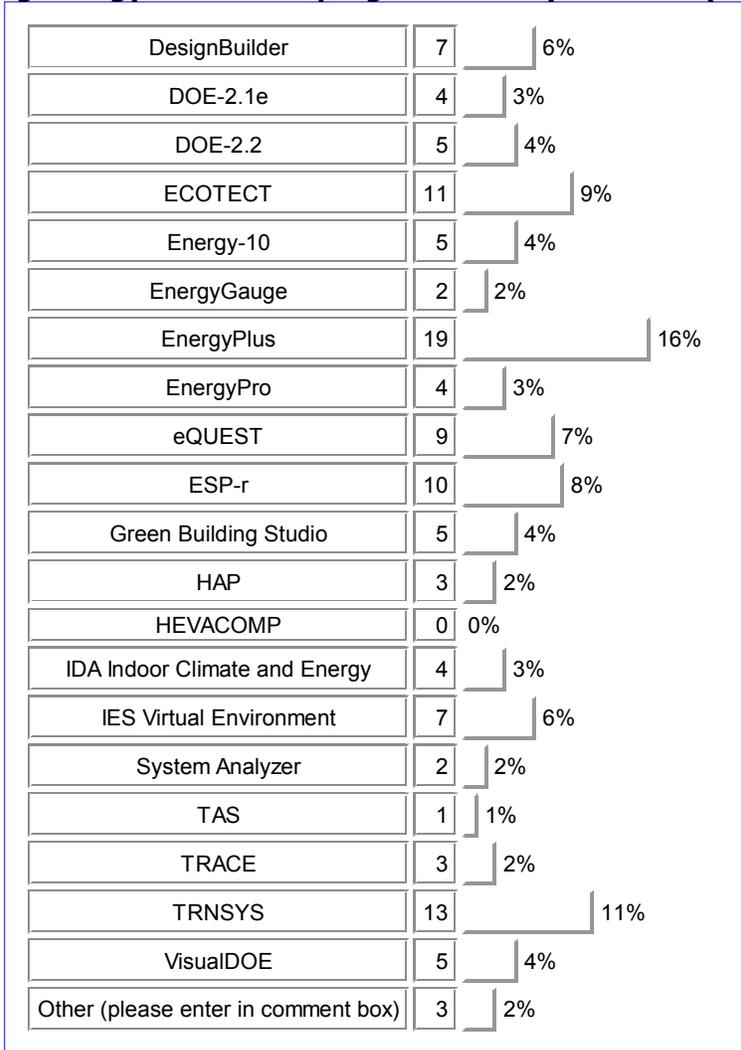
ID	Comments	View Survey
1444022	visualesp-r	View
1445676	HOT2000	View

1446096	HOT2000/HOT3000	View
1447102	HEED	View
1485522	CODYBA	View

Pop-up

Question 3

Why do you use building energy simulation? (choose one or more)

Code compliance	17	9%
Conceptual design	32	16%
Building massing studies	19	10%
Choosing envelope options	25	13%
Choosing lighting options	16	8%
Choosing HVAC options	22	11%
LEED EA Credit 1	12	6%
EPACT tax deduction	3	2%
Savings By Design	16	8%
Retrofit/renovation	16	8%
Other (please describe in comment box)	18	9%

ID	Comments	View Survey
1445881	I'm a building energy simulation reseracher and software developer.	View
1446096	Systems research, optimization	View
1448387	Research	View
1450191	SCHOOL	View
1450599	Research in new technologies and controls	View
1451401	Genetic Optimization of buildings	View
1462768	Research	View
1464981	Research on energy reduction strategies	View
1471905	Natural ventilation studies Research	View
1477230	I'm a building energy simulation developer	View

Expand >>   Pop-up

Question 4

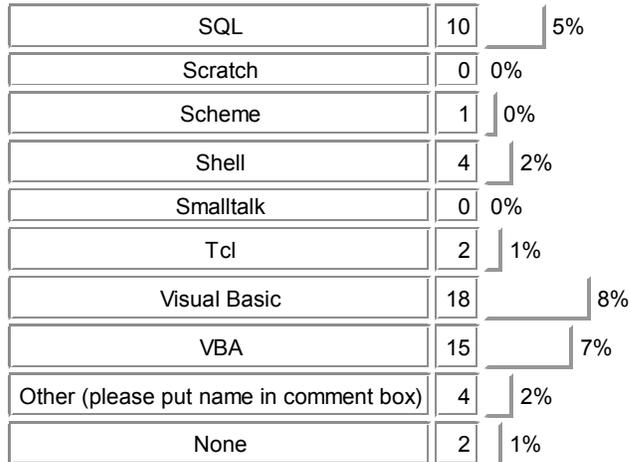### How many years have you been using building energy simulation software? (choose one)

1 to 2	11	20%
3 to 5	14	25%
6 to 10	13	24%
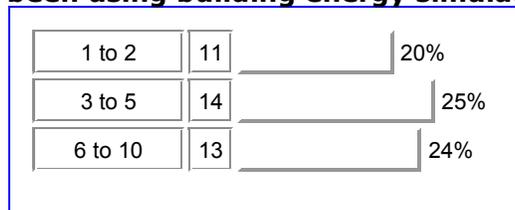
11 to 20	10		18%
More than 20	7		13%

Pop-up

Question 5

What programming languages do you know well?

Actionscript	2	1%
ABAP	0	0%
Ada	0	0%
Assembly	0	0%
Awk	6	3%
C	20	9%
C#	8	4%
C++	20	9%
Cobol	1	0%
ColdFusion	0	0%
D	0	0%
Delphi	6	3%
Erlang	0	0%
Forth	0	0%
Fortran	34	16%
Go	0	0%
Haskell	0	0%
Java	6	3%
JavaScript	7	3%
Lisp	2	1%
Lua	2	1%
MATLAB	19	9%
Objective C	0	0%
OCaml	0	0%
PHP	5	2%
Pascal	5	2%
Perl	7	3%
PL/SQL	0	0%
Python	3	1%
Rexx	0	0%
Ruby	3	1%
SAS	0	0%
Scala	0	0%

SQL	10	5%
Scratch	0	0%
Scheme	1	0%
Shell	4	2%
Smalltalk	0	0%
Tcl	2	1%
Visual Basic	18	8%
VBA	15	7%
Other (please put name in comment box)	4	2%
None	2	1%

ID	Comments	View Survey
1442571	IDL	View
1445700	Very familiar with Fortan 90	View
1446096	R	View
1447102	Realbasic	View
1448387	modelica	View
1450599	Modelica	View

Pop-up

Question 6

What other programming languages have you used?

Actionscript	0	0%
ABAP	0	0%
Ada	0	0%
Assembly	5	3%
Awk	2	1%
C	8	4%
C#	5	3%
C++	17	9%
Cobol	2	1%
ColdFusion	2	1%
D	1	1%
Delphi	3	2%
Erlang	0	0%
Forth	1	1%
Fortran	13	7%
Go	0	0%
Haskell	0	0%

Java	9		5%
JavaScript	9		5%
Lisp	6		3%
Lua	1		1%
MATLAB	15		8%
Objective C	0		0%
OCaml	0		0%
PHP	5		3%
Pascal	10		5%
Perl	6		3%
PL/SQL	1		1%
Python	8		4%
Rexx	0		0%
Ruby	9		5%
SAS	2		1%
Scala	0		0%
SQL	6		3%
Scratch	0		0%
Scheme	1		1%
Shell	6		3%
Smalltalk	0		0%
Tcl	3		2%
Visual Basic	17		9%
VBA	11		6%
Other (please put name in comment box)	2		1%
None	0		0%

ID	Comments	View Survey
1442571	mathematica	View
1445700	Very familiar with Fortan 90	View
1445881	AutoLISP (AutoCAD's Lisp ... some years ago!)	View

Pop-up

Question 7

What kind of contribution would you be willing to make toward an open-source project related to building energy simulation?
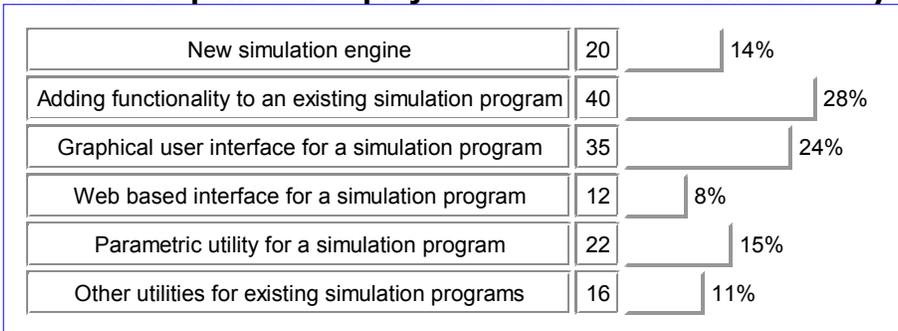
Programming	55		28%
Testing	38		19%

Documentation	23		12%
Web design	9		5%
Engineering research	29		15%
Funding	5		3%
Use the software	36		18%
No thanks	0	0%	
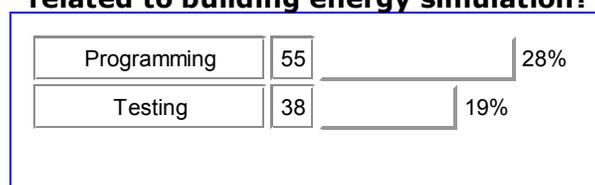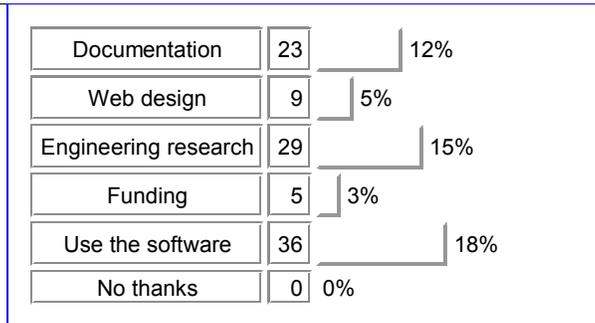
ID	Comments	View Survey
1445466	Only if the project make sense	View
1445676	I am already heavily involved in the development and application of an OpenSource building simulation program, ESP-r.	View
1445881	Of course, my involvement would depend on the size, scope and community involvement in the project. There are already open source (GPL) energy simulation cores available that I'm involved with (i.e., ESP-r). There is a void in open source GUIs.	View
1448796	Not just any open-source project.	View
1489430	I've done a lot of DOE2.1E function writing, and post-processing. I'm not sure if my current company would be willing to share, but I would.	View

Pop-up

Question 8

What kind of open-source project would be most valuable to you?

New simulation engine	20		14%
Adding functionality to an existing simulation program	40		28%
Graphical user interface for a simulation program	35		24%
Web based interface for a simulation program	12		8%
Parametric utility for a simulation program	22		15%
Other utilities for existing simulation programs	16		11%

ID	Please write in any other ideas	View Survey
1444766	- Infrastructures allowing to exchange models between existing simulation tools - Definition of a neutral API allowing for side-by-side simulation using 2 (several) simulation tools	View
1445881	Strongly advise staying away from the development of another engine -- there's no shortage of very good open source engine's (e.g., ESP-r).	View
1446096	Rather that rewrite existing engines, strongly suggest more interoperability. There are already free (ESPr-r) and open source (TRNSYS & EnergyPlus) software available. These source codes represent enormous investments in development, implementation and val	View
1447102	I have written a GUI to energyplus in realbasic that simulates a simple passive solar building. I would like to opensource it or help with another project. tnpeters@calpoly.edu	View
1450599	I believe it is time (and interest within IBPSA) to start a new simulation engine that does not has the baggage of 30+ year legacy code. I think such a modern modeling and simulation environment needs to leverage open-source technologies and share developm	View
1469898	next-gen collaborative simulation framework (I am working on this too)	View

1471905	Coupling of existing programs	View
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