



B.1,3,4 Other Personnel (Postdocs/Stu	Use-inspired R/D	R/D-1
B.1,3,4 Other Personnel (Postdocs/Stu	Use-inspired R/D	R/D-1
B.1,3,4 Other Personnel (Postdocs/Stu	Use-inspired R/D	R/D-2
B.1,3,4 Other Personnel (Postdocs/Stu	Use-inspired R/D	R/D-3
B.1,3,4 Other Personnel (Postdocs/Stu	Use-inspired R/D	R/D-4
B.1,3,4 Other Personnel (Postdocs/Stu	Use-inspired R/D	R/D-5
B.1,3,4 Other Personnel (Postdocs/Stu	Translation Innovations to Practice	TR-1
B.1,3,4 Other Personnel (Postdocs/Stu	Translation Innovations to Practice	TR-1
B.1,3,4 Other Personnel (Postdocs/Stu	Translation Innovations to Practice	TR-1
B.1,3,4 Other Personnel (Postdocs/Stu	Translation Innovations to Practice	TR-2
B.1,3,4 Other Personnel (Postdocs/Stu	Translation Innovations to Practice	TR-4
B.1,3,4 Other Personnel (Postdocs/Stu	Translation Innovations to Practice	TR-4
B.1,3,4 Other Personnel (Postdocs/Stu	Workforce Development	WD-1
B.1,3,4 Other Personnel (Postdocs/Stu	Workforce Development	WD-2
B.1,3,4 Other Personnel (Postdocs/Stu	Workforce Development	WD-2
B.1,3,4 Other Personnel (Postdocs/Stu	Workforce Development	WD-2
B.1,3,4 Other Personnel (Postdocs/Stu	Workforce Development	WD-3
B.1,3,4 Other Personnel (Postdocs/Stu	Workforce Development	WD-4
B.1,3,4 Other Personnel (Postdocs/Stu	Workforce Development	WD-4
B.1,3,4 Other Personnel (Postdocs/Stu	Workforce Development	WD-5
C. Fringe & I. Indirect		
C. Fringe & I. Indirect		
D. Equipment	Other Ecosystem Building	EB-1
D. Equipment	Use-inspired R/D	R/D-1
D. Equipment	Use-inspired R/D	R/D-2
D. Equipment	Use-inspired R/D	R/D-2
D. Equipment	Use-inspired R/D	R/D-3
D. Equipment	Use-inspired R/D	R/D-3
D. Equipment	Use-inspired R/D	R/D-3
D. Equipment	Use-inspired R/D	R/D-3
D. Equipment	Use-inspired R/D	R/D-3
D. Equipment	Use-inspired R/D	R/D-4
D. Equipment	Use-inspired R/D	R/D-4
D. Equipment	Use-inspired R/D	R/D-5
D. Equipment	Translation Innovations to Practice	TR-1
D. Equipment	Translation Innovations to Practice	TR-3
D. Equipment	Translation Innovations to Practice	TR-3
D. Equipment	Translation Innovations to Practice	TR-3
D. Equipment	Translation Innovations to Practice	TR-3
D. Equipment	Translation Innovations to Practice	TR-4
D. Equipment	Translation Innovations to Practice	TR-4

D. Equipment	Translation Innovations to Practice	TR-4
D. Equipment	Translation Innovations to Practice	TR-4
E. Travel	Governance and Management	N/A
E. Travel	Governance and Management	N/A
E. Travel	Governance and Management	N/A
G. 1. Materials and Supplies	Use-inspired R/D	R/D-1
G. 1. Materials and Supplies	Use-inspired R/D	R/D-1
G. 1. Materials and Supplies	Use-inspired R/D	R/D-1
G. 1. Materials and Supplies	Use-inspired R/D	R/D-4
G. 1. Materials and Supplies	Use-inspired R/D	R/D-5
G. 1. Materials and Supplies	Use-inspired R/D	R/D-5
G. 3. Consultant Services	Translation Innovations to Practice	TR-1
G. 3. Consultant Services	Translation Innovations to Practice	TR-2
G. 3. Consultant Services	Translation Innovations to Practice	TR-5
G. 3. Consultant Services	Translation Innovations to Practice	TR-5
G. 3. Consultant Services	Workforce Development	WD-1
G. 3. Consultant Services	Workforce Development	WD-2
G. 3. Consultant Services	Workforce Development	WD-3
G. 3. Consultant Services	Workforce Development	WD-5
G. 4. Computer Services	Use-inspired R/D	R/D-1
G. 4. Computer Services	Use-inspired R/D	R/D-2
G. 4. Computer Services	Use-inspired R/D	R/D-3
G. 4. Computer Services	Use-inspired R/D	R/D-4
G. 4. Computer Services	Use-inspired R/D	R/D-5
G. 5. Other	Use-inspired R/D	R/D-2
G. 5. Other	Translation Innovations to Practice	TR-2
Infrastructure Construction	Translation Innovations to Practice	TR-1
Infrastructure Construction	Translation Innovations to Practice	TR-1
Infrastructure Construction	Translation Innovations to Practice	TR-1
Infrastructure Construction	Translation Innovations to Practice	TR-1
Infrastructure Construction	Translation Innovations to Practice	TR-1
Infrastructure Construction	Translation Innovations to Practice	TR-2
Infrastructure Construction	Translation Innovations to Practice	TR-2
Infrastructure Construction	Translation Innovations to Practice	TR-5
Infrastructure Construction	Translation Innovations to Practice	TR-5

**Use the examples and add in your own budget details with costs allocated toward appropriate categories. Multiple columns contain drop-down lists that will limit your answer options. See attached for more details. If you add an item in your budget changes to a different core function in the updated version, add an**

Category	Institution Type	Institution	Organization Type	Partnership Role
Ecosystem Building	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Ecosystem Building	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Ecosystem Building	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Ecosystem Building	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Project	Lead	[lead institution name]	University (granting)	Lead
Project	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Project	Subaward	[subaward-2 institution]	Non-profit/philanthropic	Informal Partner
Project	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Project	Lead	[lead institution name]	University (granting)	Lead
Project	Subaward	[subaward-2 institution]	Non-profit/philanthropic	Informal Partner
Project	Lead	[lead institution name]	University (granting)	Lead
Project	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Project	Subaward	[subaward-2 institution]	Non-profit/philanthropic	Informal Partner
Ecosystem Building	Lead	[lead institution name]	University (granting)	Lead
Project	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Project	Subaward	[subaward-2 institution]	Non-profit/philanthropic	Informal Partner
Project	Lead	[lead institution name]	University (granting)	Lead
Project	Subaward	[subaward-2 institution]	Non-profit/philanthropic	Informal Partner
Project	Lead	[lead institution name]	University (granting)	Lead
Ecosystem Building	Lead	[lead institution name]	University (granting)	Lead
Ecosystem Building	Subaward	[subaward-2 institution]	Non-profit/philanthropic	Informal Partner
Ecosystem Building	Subaward	[subaward-2 institution]	Non-profit/philanthropic	Informal Partner
Ecosystem Building	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Ecosystem Building	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
Project	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
N/A	Lead	[lead institution name]	University (granting)	Lead
N/A	Lead	[lead institution name]	University (granting)	Lead
N/A	Lead	[lead institution name]	University (granting)	Lead
N/A	Lead	[lead institution name]	University (granting)	Lead
N/A	Lead	[lead institution name]	University (granting)	Lead
N/A	Lead	[lead institution name]	University (granting)	Lead
N/A	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
N/A	Subaward	[subaward-2 institution]	Non-profit/philanthropic	Informal Partner
N/A	Subaward	[subaward-1 institution]	VC or start up incubator	Formal Partner
N/A	Subaward	[subaward-2 institution]	Non-profit/philanthropic	Informal Partner



Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Subaward	[subaward-2 institution	Non-profit/philanthropInformal Partne
N/A	Lead	[lead institution name]	University (granting dLead
N/A	Lead	[lead institution name]	University (granting dLead
N/A	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Lead	[lead institution name]	University (granting dLead
Project	Lead	[lead institution name]	University (granting dLead
Project	Subaward	[subaward-2 institution	Non-profit/philanthropInformal Partne
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Subaward	[subaward-2 institution	Non-profit/philanthropInformal Partne
Project	Lead	[lead institution name]	University (granting dLead
Ecosystem Building	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Lead	[lead institution name]	University (granting dLead
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Lead	[lead institution name]	University (granting dLead
Ecosystem Building	Lead	[lead institution name]	University (granting dLead
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Lead	[lead institution name]	University (granting dLead
Ecosystem Building	Lead	[lead institution name]	University (granting dLead
Project	Subaward	[subaward-2 institution	Non-profit/philanthropInformal Partne
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Ecosystem Building	Lead	[lead institution name]	University (granting dLead
Ecosystem Building	Lead	[lead institution name]	University (granting dLead
Project	Lead	[lead institution name]	University (granting dLead
Project	Lead	[lead institution name]	University (granting dLead
Project	Lead	[lead institution name]	University (granting dLead
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Subaward	[subaward-2 institution	Non-profit/philanthropInformal Partne
Ecosystem Building	Lead	[lead institution name]	University (granting dLead
Ecosystem Building	Subaward	[subaward-2 institution	Non-profit/philanthropInformal Partne
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner
Project	Subaward	[subaward-1 institution	VC or start up incubatFormal Partner

**ropriate Core Function.** A single line item from  
 hed instructions for more guidance. When imple  
 other row to reflect the change.

Year	Cost	Updated Cost	Difference be
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 1	\$ 150,000	\$ 150,000	\$ -
Year 1	\$ 150,000	\$ 150,000	\$ -
Year 1	\$ 150,000	\$ 150,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 1	\$ 150,000	\$ 150,000	\$ -
Year 1	\$ 150,000	\$ 150,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 1	\$ 150,000	\$ 150,000	\$ -
Year 1	\$ 150,000	\$ 150,000	\$ -
Year 1	\$ 150,000	\$ 150,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 1	\$ 150,000	\$ 150,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 2	\$ 160,000	\$ 160,000	\$ -
Year 1	\$ 250,000	\$ 250,000	\$ -
Year 1	\$ 250,000	\$ 125,000	\$ (125,000)
Year 1		\$ 125,000	\$ 125,000
Year 2	\$ 275,000	\$ 275,000	\$ -
Year 2	\$ 275,000	\$ 135,000	\$ (140,000)
Year 2		\$ 135,000	\$ 135,000
Year 1	\$ 250,000	\$ 250,000	\$ -
Year 1	\$ 250,000	\$ 250,000	\$ -
Year 2	\$ 275,000	\$ 275,000	\$ -
Year 2	\$ 275,000	\$ 275,000	\$ -

Year 1	\$	50,000	\$	50,000	\$	-
Year 1	\$	50,000	\$	50,000	\$	-
Year 2	\$	60,000	\$	60,000	\$	-
Year 1	\$	75,000	\$	75,000	\$	-
Year 2	\$	80,000	\$	80,000	\$	-
Year 2	\$	60,000	\$	60,000	\$	-
Year 1	\$	75,000	\$	75,000	\$	-
Year 1	\$	50,000	\$	50,000	\$	-
Year 2	\$	60,000	\$	60,000	\$	-
Year 2	\$	80,000	\$	80,000	\$	-
Year 1	\$	50,000	\$	50,000	\$	-
Year 2	\$	60,000	\$	60,000	\$	-
Year 2	\$	60,000	\$	60,000	\$	-
Year 1	\$	75,000	\$	75,000	\$	-
Year 1	\$	50,000	\$	50,000	\$	-
Year 1	\$	50,000	\$	50,000	\$	-
Year 2	\$	80,000	\$	80,000	\$	-
Year 1	\$	50,000	\$	50,000	\$	-
Year 2	\$	60,000	\$	60,000	\$	-
Year 1	\$	50,000	\$	50,000	\$	-
Year 1	\$	300,000	\$	300,000	\$	-
Year 2	\$	300,000	\$	300,000	\$	-
Year 2	\$	25,000	\$	25,000	\$	-
Year 1	\$	100,000	\$	50,000	\$	(50,000)
Year 1	\$	25,000	\$	25,000	\$	-
Year 2	\$	30,000	\$	30,000	\$	-
Year 1	\$	25,000	\$	25,000	\$	-
Year 2	\$	30,000	\$	30,000	\$	-
Year 1	\$	20,000	\$	20,000	\$	-
Year 2	\$	25,000	\$	25,000	\$	-
Year 2	\$	25,000	\$	25,000	\$	-
Year 2	\$	30,000	\$	30,000	\$	-
Year 1	\$	20,000	\$	20,000	\$	-
Year 2	\$	30,000	\$	30,000	\$	-
Year 2	\$	100,000	\$	50,000	\$	(50,000)
Year 2	\$	20,000	\$	20,000	\$	-
Year 2	\$	15,000	\$	15,000	\$	-
Year 2	\$	15,000	\$	15,000	\$	-
Year 2	\$	15,000	\$	15,000	\$	-
Year 2	\$	20,000	\$	20,000	\$	-
Year 2	\$	20,000	\$	20,000	\$	-



Year 2	\$	15,000	\$	15,000	\$	-
Year 2	\$	15,000	\$	15,000	\$	-
Year 1	\$	75,000	\$	50,000	\$	(25,000)
Year 2	\$	85,000	\$	85,000	\$	-
Year 1	\$	75,000	\$	75,000	\$	-
Year 1	\$	55,000	\$	55,000	\$	-
Year 2	\$	65,000	\$	65,000	\$	-
Year 2	\$	65,000	\$	65,000	\$	-
Year 2	\$	65,000	\$	65,000	\$	-
Year 1	\$	55,000	\$	55,000	\$	-
Year 1	\$	55,000	\$	55,000	\$	-
Year 1	\$	975,000	\$	25,000	\$	(950,000)
Year 1	\$	400,000	\$	400,000	\$	-
Year 2	\$	500,000	\$	500,000	\$	-
Year 2	\$	100,000	\$	100,000	\$	-
Year 2	\$	150,000	\$	150,000	\$	-
Year 1	\$	595,000	\$	250,000	\$	(345,000)
Year 2	\$	350,000	\$	350,000	\$	-
Year 1	\$	595,000	\$	595,000	\$	-
Year 1	\$	55,000	\$	55,000	\$	-
Year 2	\$	75,000	\$	75,000	\$	-
Year 2	\$	65,000	\$	65,000	\$	-
Year 2	\$	55,000	\$	55,000	\$	-
Year 1	\$	55,000	\$	55,000	\$	-
Year 1	\$	1,000,000	\$	1,000,000	\$	-
Year 1	\$	500,000	\$	500,000	\$	-
Year 1	\$	175,000	\$	175,000	\$	-
Year 2	\$	100,000	\$	100,000	\$	-
Year 2	\$	75,000	\$	75,000	\$	-
Year 1	\$	150,000	\$	150,000	\$	-
Year 2	\$	75,000	\$	75,000	\$	-
Year 1	\$	150,000	\$	150,000	\$	-
Year 1	\$	150,000	\$	150,000	\$	-
Year 2	\$	100,000	\$	100,000	\$	-
Year 2	\$	75,000	\$	75,000	\$	-

your budget can be allocated to more than one Core Function by  
reverting any suggested updates to your budget; a simple change in

Description - Also note any high level changes or rationale

{Subaward-1 version of all items}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

{All faculty/staff personnel devoted to R/D and Activity 1 summarized here}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

{Subaward-1 version of all items}

{year 2 versions of all items}

{Subaward-2 version of all items}

{All faculty/staff personnel devoted to Translation & Activity 3 summarized here}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

{year 2 versions of all items}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

{All faculty/staff personnel devoted to Workforce Development & Activity 2 summarized here}

{Subaward-2 version of all items}

{year 2 versions of all items}

{year 2 versions of all items}

{Subaward-2 version of all items}

{Subaward-2 version of all items}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

{All faculty/staff personnel devoted to Governance summarized here}

**[example: reduction in revised]**{ Describe suggested reduction in Governance personnel budget}

**[example: adding a position specifically for DEIA]**{ Describe change in Governance personnel}

{year 2 versions of all items}

{year 2 versions of all items}

{year 2 versions of all items}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

{Subaward-1 version of all items}  
{Subaward-2 version of all items}  
{Subaward-1 version of all items}

{year 2 versions of all items}  
{Subaward-2 version of all items}  
{All postdocs/students/other personnel devoted to Translation & Activity 3 summarized here}

{Subaward-1 version of all items}  
{Subaward-2 version of all items}  
{year 2 versions of all items}  
{Subaward-2 version of all items}  
{Subaward-1 version of all items}  
{Subaward-1 version of all items}

{All postdocs/students/other personnel devoted to Workforce Development & Activity 2 summarize  
{Subaward-2 version of all items}  
{Subaward-2 version of all items}

{year 2 versions of all items}  
{Subaward-1 version of all items}  
{Subaward-2 version of all items}  
{Subaward-1 version of all items}

For IDC and Fringe keep revised amount the same as original budget amount

For IDC and Fringe keep revised amount the same as original budget amount

{Subaward-2 version of all items}

**{example: reduction in revised}** {Describe equipment and relation to activity} e.g. Analytical in

{Description of equipment related to R/D and Activity 2}

{year 2 versions of all items}

{Description of equipment related to R/D and Activity 3}

{year 2 versions of all items}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

{year 2 versions of all items}

{Subaward-1 version of all items}

{year 2 versions of all items}

{Describe equipment and relation to activity} e.g. Analytical instruments, field instruments, special

{Description of equipment related to Translation and Activity 3}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

{Description of equipment related to Translation and Activity 2}

{Description of equipment related to Translation and Activity 4}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

Domestic travel for Engine and NSF events, meetings, conferences; updated budget reduced due to

{year 2 versions of all items}

{Subaward-1 version of all items}

Office supplies, consumables, computer hardware, printing, postage, lab equipment, and constructi

{year 2 versions of all items}

{Subaward-2 version of all items}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

License for access to ~100 digital twins of factories; reduction in updated due to...

{Subaward-1 version of all items}

{year 2 versions of all items}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

University of XYZ, pending; reduction in updated due to...

{year 2 versions of all items}

{Subaward-1 version of all items}

{description of Computer services related to R/D and Activity 1}

{year 2 versions of all items}

{Subaward-2 version of all items}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

Seed grants

Seed grants

ACME Solutions Group to install real-time sensing equipment for data collection, factory benchmark

{year 2 versions of all items}

{year 2 versions of all items}

{Subaward-1 version of all items}

{Subaward-2 version of all items}

Factory installation and data acquisition

{Subaward-2 version of all items}

{Subaward-1 version of all items}

{Subaward-1 version of all items}

et}  
| budget}

d here}

struments, field instruments, specialized biological and engineering equipment.

lized biological and engineering equipment.

3...

ion personal protective equipment.

ing and providing factory productivity expertise. 500 hours total

Details entered below are provided as illustrative examples only. **Please do not**

**Original Existing and New Resources in the relevant Core Function**

Other Ecosystem Building	EB-1	Ecosystem Building	<b>New</b>
Use-inspired R/D	R/D-1	Project	<b>Existing</b>
Use-inspired R/D	R/D-2	Ecosystem Building	<b>New</b>
Use-inspired R/D	R/D-3	Project	<b>New</b>
Use-inspired R/D	R/D-4	Project	<b>New</b>
Translation Innovations to Practice	TR-1	Project	<b>Existing</b>
Translation Innovations to Practice	TR-2	Ecosystem Building	<b>Existing</b>
Workforce Development	WD-1	Project	<b>New</b>
Workforce Development	WD-2	Project	<b>Existing</b>
Workforce Development	WD-2	Project	<b>New</b>
Workforce Development	WD-3	Ecosystem Building	<b>New</b>
Workforce Development	WD-4	Ecosystem Building	<b>Existing</b>
Governance and Management			<b>New</b>
Governance and Management			<b>New</b>
Governance and Management			<b>Existing</b>
Governance and Management			<b>Existing</b>



**Delete examples and add in your own Existing and New Resources, as defined**

### **Functional Group**

	Organization Type	Partnership Role
University of XYZ	University (granting doctorate)	Formal Partner
ACME Science & Technology Corporation	VC or start up incubator	Lead
University of XYZ	University (granting doctorate)	Formal Partner
University of XYZ	University (granting doctorate)	Formal Partner
ABC University	University (granting doctorate)	Informal Partner
LMN University	University (granting doctorate)	Formal Partner
ACME Science & Technology Corporation	VC or start up incubator	Lead
ACME Science & Technology Corporation	VC or start up incubator	Lead
University of XYZ	University (granting doctorate)	Formal Partner
University of XYZ	University (granting doctorate)	Formal Partner
ABC University	University (granting doctorate)	Informal Partner
LMN University	University (granting doctorate)	Formal Partner
University of XYZ	University (granting doctorate)	Formal Partner
ABC University	University (granting doctorate)	Informal Partner
LMN University	University (granting doctorate)	Formal Partner
LMN University	University (granting doctorate)	Formal Partner

**ned in the BAA and outlined in your proposal, and align them with th**

High (>\$750k)	High (>\$750k)		
Low (\$0-250k)	Low (\$0-250k)		
Medium (\$250-750k)	Medium (\$250-750k)		
High (>\$750k)	High (>\$750k)		
Medium (\$250-750k)	Medium (\$250-750k)		
Low (\$0-250k)	Low (\$0-250k)		
Low (\$0-250k)	Low (\$0-250k)		
Low (\$0-250k)	Low (\$0-250k)		
Medium (\$250-750k)	Medium (\$250-750k)		
High (>\$750k)	High (>\$750k)		
Medium (\$250-750k)	Medium (\$250-750k)		
Low (\$0-250k)	Low (\$0-250k)		
Medium (\$250-750k)	Medium (\$250-750k)		
Medium (\$250-750k)	Medium (\$250-750k)		
Low (\$0-250k)	Medium (\$250-750k)	10%	20%
Low (\$0-250k)	Low (\$0-250k)		

## **e relevant Functio**

Lab Space

Personnel

**onal Group.** There should be one line for each resource. Please be succinct in the detail field.

Dedicated office space

Manufacturing research facilities and equipment

Lab space for execution of Engine project and student projects

Large facility outfitted with advanced prototyping and manufacturing equipment; lead us-inspired R&D

Dedicated lab space

Facilitate technology transfer efforts; Support for venture funding pipelines and commercialization

Center for translating new technologies into real-world products

Partnership coordination; Workforce training initiatives

Large population of underserved students; Lead outreach with partners; develop workforce training pro

Postdoctoral researcher mentoring program

Lead student entrepreneur programs

Training students to be ready to enter the workforce

Dedicated office space

Lead outreach with partners within the state

Dedicated office space; access to conference and meeting facilities; updated includes additional dedicat

Dedicated office space; access to conference and meeting facilities

**BAA Language (emphasis added)**

**A.3.7. Existing and New Resources to be Made Available for the Project (update)**

This section is used to assess how the proposed Engine will leverage existing and new resources for the project. Proposers should describe only **those tangible resources** (e.g., funding, equipment, human capital, datasets) that are **directly applicable to the proposed project during the first two years** of operation, should it be funded. Such information must be provided in this section and not in other parts of the proposal (e.g., Budget Justification, Project Description).

Although the resources described are not voluntary committed cost sharing as defined in the Foundation does expect that the resources identified in this section **will be provided**, should the proposal be funded. PAPPG Chapter VII.B.1 specifies procedures for the recipient when there are post award changes to objectives, scope, or methods/procedures.

Within this section, proposers should describe the resources in the following **two distinct categories**. In both categories, include only those resource contributions (e.g., funding, equipment, human capital, datasets) that will support and advance the Engine's strategic goals.

**1. Currently Available Resources:** Provide information on the relevant resources currently available to the proposing team from internal and external sources, including all partners. **If a resource has already been contributed to an ongoing collaboration among the Engine's participating organization and partners, describe what percentage of that resource will be available for the Engine's activities.** Proposers should briefly describe how these resources will be allocated to specific activities described in the Project Description.

**2. New Resource Contributions:** Provide information on new resource contributions committed by external sources, **as stated in their letters of collaboration** (see Section 5.2). New resource contributions that are not documented in a letter of collaboration should be described here. Proposers should briefly summarize how these new resources will contribute to the project described in the Project Description. **Proposers will be asked to provide a detailed description of their contributions prior to receiving an award.**

NSF expects that the internal and external resources provided to the Engine will increase the duration of the award thereby demonstrating increased partnership engagement and the long-term sustainability of the Engine, and continued growth of the innovation ecosystem. The availability and utilization of these resources will be assessed during the post-award process.

grams

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(to three pages):

new resources for  
g, facilities,  
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uld not be included  
activities  
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ecosystem. The  
evaluation

Use this sheet to create a glossary of any acronyms used in the summary description. Also, please briefly list the primary planned activities for your proposed Engine test cell. Note R&D activities as R/D-1, R/D-2, etc.; translation activities as TR-1, TR-2, etc.; building activities as EB-1, EB-2, etc.

**Acronym or term    Spelled out or explanation**

otions in either the Budget or Existing & New Resources tabs.

at correspond to the activities you will be presenting in sessions 4-6.  
: workforce development activities as WD-1, WD-2, etc., ecosystem

**Activity Activity Detail**

WD-1

WD-2

WD-3

R/D-1

TR-1

EB-1



**a. Ecosystem Building:** ecosystem building helps grow, build, support, and nurture the development of an inclusive initiatives, or efforts that engage entrepreneurs, policymakers, philanthropists, and other regional and community s a system-wide approach to foster innovation and a culture of DEIA. Ecosystem Building Projects are distinct from us workforce development project.

**b. Engine Core Functions:** Engine efforts that fall with Use-Inspired R&D, Translation of Innovations to Impact Management

**c. Existing and New Resources:** Tangible resource contributions (e.g., funding, facilities, equipment, human capital, are directly applicable to the proposed Engine in its first two years of operation, should it be funded. Per the BAA, o the original proposal submission should be included.

**d. Formal Partner:** a partner organization that has a signed NSF Engines partnership agreement

**e. Governance and Management:** Costs related to oversight of all aspects of the Engine, management of the Engine requirements. This should also include costs associated with all positions designated as part of the leadership team

**f. Informal Partners:** a partner organization that does not have a signed NSF Engines partnership agreement

**g. Infrastructure Construction:** Costs covering all building construction as well as design and engineering services, a be included. Space outfitting items for existing or new spaces, such as furniture, should also be included.

**h. Lead Organization:** Per BAA, the NSF Engine award recipient is the lead organization and has full responsibility fo the results achieved. The lead organization is responsible for oversight of all aspects of the Engine, including the Eng reporting requirements. The lead organization must have a significant presence and vested interest in the region of

**i. Other Ecosystem Building Project:** An Ecosystem Building Project that crosses more than one programmatic cate Engine at large. For example, a project that involves developing the financial sustainability across the Engine, includ management efforts.

**j. Partner Organization:** An organization that actively participates or is involved in one or more NSF Engine projects; service work, where there is no active participation and collaboration, will not be regarded as an Engines partnership

**k. Project:** An operational, time-limited project with an identified end state in support of an Engine making progress goals.

**l. Technology research level (TRL):** A framework that measures the maturity level of a technology throughout its re ranges from 1 to 9, with 9 being the most mature technology.

**m. Translation of Innovations to Practice Activity:** support development of products, technologies, or bringing serv mechanisms), that are currently within the Technology Readiness Levels (TRLs) 6-9. In addition to specific translatio translation. For example, development of startups, the processes, structure, and expertise required to support cont opportunities, and ongoing stakeholder engagement.

**n. Translation of Innovations to Practice projects:** development of a specific product, technology, or bringing a service to into TRL 6-9 and with the aim to advance further along the TRL spectrum.

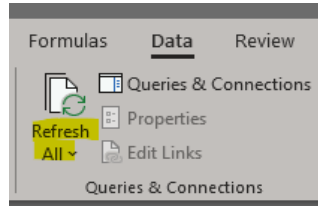
**o. Use-inspired R/D Activity:** support the development of products, technologies, or bringing services to market (w currently within the Technology Readiness Levels (TRLs) 1-5. Activities must be inspired by the current regional dem industry and/or for end users. In addition to specific R&D projects, activities include ecosystem building efforts in su engagement, development of R&D funding calls, and development of testbed infrastructure.

**p. Use-inspired R&D projects:** development of a specific product, technology, or bringing a service to market into TRL 1-5 and with the aim to advance further along the TRL spectrum.

**q. Workforce Development Activity:** A workforce development activity is one that supports the creation and implementation of development programs at all levels relevant to an Engine's key industries and/or technology focus areas. In addition, it includes ecosystem building efforts in support of workforce development.

**r. Workforce Development projects:** specific job training, development opportunities, and/or education opportunities along with the goal of workforce success in the workforce related to an Engine's key industries and/or technology focus area.

Click the Data menu title then Refresh All, for tables to update with details from the Budget tab



### Amended Budget as of April 1, 2024

Cost Category	Core Function		Data	
	Workforce Development		Use-inspired R/D	
	#	%	#	%
A, B, 2,5,6 Salaries and Wages (Faculty)	\$ 1,410,000	9.06%	\$ 930,000	5.97%
B.1,3,4 Other Personnel (Postdocs/Students)	\$ 475,000	3.05%	\$ 375,000	2.41%
C. Fringe & I. Indirect				
D. Equipment			\$ 360,000	2.31%
E. Travel				
G. 1. Materials and Supplies			\$ 360,000	2.31%
G. 3. Consultant Services	\$ 1,690,000	###		
G. 4. Computer Services			\$ 305,000	1.96%
G. 5. Other			\$ 1,000,000	6.42%
Infrastructure Construction				
<b>Total Result</b>	<b>\$ 3,575,000</b>	<b>###</b>	<b>\$ 3,330,000</b>	<b>###</b>

### Budget as Originally Proposed (broken down by Organization)

Cost Category	Core Function		Data	
	Workforce Development			
	Institution Type	Institution #	#	%
A, B, 2,5,6 Salaries and Wages (Faculty/Staff)			\$ 1,410,000	9.06%
	Lead		\$ 470,000	3.02%
		[lead i	\$ 470,000	3.02%
	Subaward		\$ 940,000	6.04%
		[subaw	\$ 470,000	3.02%
		[subaw	\$ 470,000	3.02%
B.1,3,4 Other Personnel (Postdocs/Students/etc)			\$ 475,000	3.05%
	Lead		\$ 155,000	1.00%

		[lead i	\$ 155,000 1.00%
	Subaward		\$ 320,000 2.06%
		[subaw	\$ 160,000 1.03%
		[subaw	\$ 160,000 1.03%
C. Fringe & I. Indirect			
	Lead		
		[lead institution name]	
D. Equipment			
	Lead		
		[lead institution name]	
	Subaward		
		[subaward-1 institution name]	
		[subaward-2 institution name]	
E. Travel			
	Lead		
		[lead institution name]	
	Subaward		
		[subaward-1 institution name]	
G. 1. Materials and Supplies			
	Lead		
		[lead institution name]	
	Subaward		
		[subaward-1 institution name]	
		[subaward-2 institution name]	
G. 3. Consultant Services			\$ 1,690,000 ###
	Lead		\$ 945,000 6.07%
		[lead i	\$ 945,000 6.07%
	Subaward		\$ 745,000 4.78%
		[subaw	\$ 745,000 4.78%
G. 4. Computer Services			
	Lead		
		[lead institution name]	
	Subaward		
		[subaward-1 institution name]	
		[subaward-2 institution name]	
G. 5. Other			
	Lead		
		[lead institution name]	
Infrastructure Construction			
	Lead		
		[lead institution name]	

	Subaward		[subaward-1 institution name] [subaward-2 institution name]
<b>Total Result</b>			<b>\$ 3,575,000 ###</b>

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Translation Innovations to		Governance and Manag		(empty)		Other Ecosystem Buildi	
#	%	#	%	#	%	#	%
\$ 930,000	5.97%	\$ 2,100,000	###			\$ 640,000	4.11%
\$ 375,000	2.41%						
\$ 235,000	1.51%			\$ 600,000	3.85%	\$ 25,000	0.16%
		\$ 235,000	1.51%				
\$ 1,975,000	###						
\$ 500,000	3.21%						
\$ 1,050,000	6.74%						
<b>\$ 5,065,000</b>	<b>###</b>	<b>\$ 2,335,000</b>	<b>###</b>	<b>\$ 600,000</b>	<b>3.85%</b>	<b>\$ 665,000</b>	<b>4.27%</b>

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Use-inspired R/D		Translation Innovations		Governance and Manag		(empty)	
#	%	#	%	#	%	#	%
\$ 930,000	5.97%	\$ 930,000	5.97%	\$ 2,100,000	13.49%		
\$ 310,000	1.99%	\$ 310,000	1.99%	\$ 1,050,000	6.74%		
\$ 310,000	1.99%	\$ 310,000	1.99%	\$ 1,050,000	6.74%		
\$ 620,000	3.98%	\$ 620,000	3.98%	\$ 1,050,000	6.74%		
\$ 310,000	1.99%	\$ 310,000	1.99%	\$ 525,000	3.37%		
\$ 310,000	1.99%	\$ 310,000	1.99%	\$ 525,000	3.37%		
\$ 375,000	2.41%	\$ 375,000	2.41%				
\$ 155,000	1.00%	\$ 155,000	1.00%				

\$ 155,000 1.00%	\$ 155,000 1.00%		
\$ 220,000 1.41%	\$ 220,000 1.41%		
\$ 110,000 0.71%	\$ 110,000 0.71%		
\$ 110,000 0.71%	\$ 110,000 0.71%		
			\$ 600,000 3.85%
			\$ 600,000 3.85%
			\$ 600,000 3.85%
\$ 360,000 2.31%	\$ 235,000 1.51%		
\$ 270,000 1.73%	\$ 160,000 1.03%		
\$ 270,000 1.73%	\$ 160,000 1.03%		
\$ 90,000 0.58%	\$ 75,000 0.48%		
\$ 65,000 0.42%	\$ 45,000 0.29%		
\$ 25,000 0.16%	\$ 30,000 0.19%		
		\$ 235,000 1.51%	
		\$ 160,000 1.03%	
		\$ 160,000 1.03%	
		\$ 75,000 0.48%	
		\$ 75,000 0.48%	
\$ 360,000 2.31%			
\$ 120,000 0.77%			
\$ 120,000 0.77%			
\$ 240,000 1.54%			
\$ 120,000 0.77%			
\$ 120,000 0.77%			
	\$ 1,975,000 ###		
	\$ 1,475,000 9.47%		
	\$ 1,475,000 9.47%		
	\$ 500,000 3.21%		
	\$ 500,000 3.21%		
\$ 305,000 1.96%			
\$ 130,000 0.83%			
\$ 130,000 0.83%			
\$ 175,000 1.12%			
\$ 110,000 0.71%			
\$ 65,000 0.42%			
\$ 1,000,000 6.42%	\$ 500,000 3.21%		
\$ 1,000,000 6.42%	\$ 500,000 3.21%		
\$ 1,000,000 6.42%	\$ 500,000 3.21%		
	\$ 1,050,000 6.74%		
	\$ 500,000 3.21%		
	\$ 500,000 3.21%		

	\$ 550,000 3.53%		
	\$ 325,000 2.09%		
	\$ 225,000 1.45%		
<b>\$ 3,330,000 ###</b>	<b>\$ 5,065,000 ###</b>	<b>\$2,335,000 15.00%</b>	<b>\$ 600,000 3.85%</b>



### Updated Budget

Total #	Total %	Cost Category	Core Function Data		Use-inspired R/
			Workforce Development		
			#	%	#
###	<b>38.60%</b>	A, B. 2,5,6 Salaries and Wage	\$ 1,410,000	9.97%	\$ 930,000
###	<b>7.87%</b>	B.1,3,4 Other Personnel (Post	\$ 475,000	3.36%	\$ 375,000
###	<b>3.85%</b>	C. Fringe & I. Indirect			
###	<b>3.98%</b>	D. Equipment			\$ 310,000
###	<b>1.51%</b>	E. Travel			
###	<b>2.31%</b>	G. 1. Materials and Supplies			\$ 360,000
###	<b>23.54%</b>	G. 3. Consultant Services	\$ 1,345,000	9.51%	
###	<b>1.96%</b>	G. 4. Computer Services			\$ 305,000
###	<b>9.63%</b>	G. 5. Other			\$ 1,000,000
###	<b>6.74%</b>	Infrastructure Construction			
###	###	<b>Total Result</b>	<b>\$3,230,000</b>	<b>22.83%</b>	<b>\$3,280,000</b>

### Budget with Team's Suggested Updates (broken d

Other Ecosystem	Total #	Total %	Core Function		Workforce Dev
			Institution Type	Institution #	
#	%				#
###	4.11%	###			\$ 1,410,000
		###	Lead		\$ 470,000
		###		[lead inst	\$ 470,000
###	4.11%	###	Subaward		\$ 940,000
###	4.11%	###		[subawar	\$ 470,000
		###		[subawar	\$ 470,000
		###			\$ 475,000
		###	Lead		\$ 155,000

	###	2.99%		[lead inst	\$ 155,000
	###	4.88%	Subaward		\$ 320,000
	###	2.44%		[subawar	\$ 160,000
	###	2.44%		[subawar	\$ 160,000
	###	3.85%			
	###	3.85%	Lead		
	###	3.85%		[lead institution name]	
### 0.16%	###	3.98%			
	###	2.76%	Lead		
	###	2.76%		[lead institution name]	
### 0.16%	###	1.22%	Subaward		
	###	0.71%		[subaward-1 institution r	
### 0.16%	###	0.51%		[subaward-2 institution r	
	###	1.51%			
	###	1.03%	Lead		
	###	1.03%		[lead institution name]	
	###	0.48%	Subaward		
	###	0.48%		[subaward-1 institution r	
	###	2.31%			
	###	0.77%	Lead		
	###	0.77%		[lead institution name]	
	###	1.54%	Subaward		
	###	0.77%		[subaward-1 institution r	
	###	0.77%		[subaward-2 institution r	
	###	23.54%			\$ 1,345,000
	###	15.54%	Lead		\$ 600,000
	###	15.54%		[lead inst	\$ 600,000
	###	8.00%	Subaward		\$ 745,000
	###	8.00%		[subawar	\$ 745,000
	###	1.96%			
	###	0.83%	Lead		
	###	0.83%		[lead institution name]	
	###	1.12%	Subaward		
	###	0.71%		[subaward-1 institution r	
	###	0.42%		[subaward-2 institution r	
	###	9.63%			
	###	9.63%	Lead		
	###	9.63%		[lead institution name]	
	###	6.74%			
	###	3.21%	Lead		
	###	3.21%		[lead institution name]	

	###	3.53%	Subaward	
	###	2.09%		[subaward-1 institution r
	###	1.45%		[subaward-2 institution r
### 4.27%	###	100.00%		<b>\$3,230,000</b>

R/D	Translation Innovations		Governance and Management		(empty)	Other Ecosystem
%	#	%	#	%	#	%
6.57%	\$ 930,000	6.57%	\$ 2,095,000	14.81%		\$ 640,000
2.65%	\$ 375,000	2.65%				
2.19%	\$ 185,000	1.31%			\$ 600,000	4.24%
2.55%			\$ 210,000	1.48%		\$ 25,000
	\$ 1,025,000	7.25%				
2.16%						
7.07%	\$ 500,000	3.53%				
	\$ 1,050,000	7.42%				
<b>23.19%</b>	<b>\$ 4,065,000</b>	<b>28.74%</b>	<b>\$ 2,305,000</b>	<b>16.30%</b>	<b>\$ 600,000</b>	<b>4.24%</b>
						<b>\$ 665,000</b>

**own by Organization)**

Data						
Development	Use-inspired R/D		Translation Innovations		Governance and Management (empty)	
%	#	%	#	%	#	%
9.97%	\$ 930,000	6.57%	\$ 930,000	6.57%	\$ 2,095,000	14.81%
3.32%	\$ 310,000	2.19%	\$ 310,000	2.19%	\$ 1,045,000	7.39%
3.32%	\$ 310,000	2.19%	\$ 310,000	2.19%	\$ 1,045,000	7.39%
6.65%	\$ 620,000	4.38%	\$ 620,000	4.38%	\$ 1,050,000	7.42%
3.32%	\$ 310,000	2.19%	\$ 310,000	2.19%	\$ 525,000	3.71%
3.32%	\$ 310,000	2.19%	\$ 310,000	2.19%	\$ 525,000	3.71%
3.36%	\$ 375,000	2.65%	\$ 375,000	2.65%		
1.10%	\$ 155,000	1.10%	\$ 155,000	1.10%		

	1.10%	\$ 155,000	1.10%	\$ 155,000	1.10%		
	2.26%	\$ 220,000	1.56%	\$ 220,000	1.56%		
	1.13%	\$ 110,000	0.78%	\$ 110,000	0.78%		
	1.13%	\$ 110,000	0.78%	\$ 110,000	0.78%		
							\$ 600,000
							\$ 600,000
							\$ 600,000
		\$ 310,000	2.19%	\$ 185,000	1.31%		
		\$ 220,000	1.56%	\$ 110,000	0.78%		
		\$ 220,000	1.56%	\$ 110,000	0.78%		
		\$ 90,000	0.64%	\$ 75,000	0.53%		
name]		\$ 65,000	0.46%	\$ 45,000	0.32%		
name]		\$ 25,000	0.18%	\$ 30,000	0.21%		
						\$ 210,000	1.48%
						\$ 135,000	0.95%
						\$ 135,000	0.95%
						\$ 75,000	0.53%
name]						\$ 75,000	0.53%
		\$ 360,000	2.55%				
		\$ 120,000	0.85%				
		\$ 120,000	0.85%				
		\$ 240,000	1.70%				
name]		\$ 120,000	0.85%				
name]		\$ 120,000	0.85%				
	9.51%			\$ 1,025,000	7.25%		
	4.24%			\$ 525,000	3.71%		
	4.24%			\$ 525,000	3.71%		
	5.27%			\$ 500,000	3.53%		
	5.27%			\$ 500,000	3.53%		
		\$ 305,000	2.16%				
		\$ 130,000	0.92%				
		\$ 130,000	0.92%				
		\$ 175,000	1.24%				
name]		\$ 110,000	0.78%				
name]		\$ 65,000	0.46%				
		\$ 1,000,000	7.07%	\$ 500,000	3.53%		
		\$ 1,000,000	7.07%	\$ 500,000	3.53%		
		\$ 1,000,000	7.07%	\$ 500,000	3.53%		
				\$ 1,050,000	7.42%		
				\$ 500,000	3.53%		
				\$ 500,000	3.53%		

			\$ 550,000	3.89%		
ame]			\$ 325,000	2.30%		
ame]			\$ 225,000	1.59%		
<b>22.83%</b>	<b>\$ 3,280,000</b>	<b>23.19%</b>	<b>\$4,065,000</b>	<b>28.74%</b>	<b>\$ 2,305,000</b>	<b>16.30%</b>
					<b>\$ 600,000</b>	

	Total #	Total %
4.52%	###	<b>42.45%</b>
	###	<b>8.66%</b>
	###	<b>4.24%</b>
0.18%	###	<b>3.68%</b>
	###	<b>1.48%</b>
	###	<b>2.55%</b>
	###	<b>16.76%</b>
	###	<b>2.16%</b>
	###	<b>10.60%</b>
	###	<b>7.42%</b>
<b>4.70%</b>	<b>###</b>	<b>###</b>

### Delta Budget Rolled up

(Updated budget)

Cost Category	#	%	#		
				Core Function	Data
A, B. 2,5,6 Salaries and Wa	\$	-	###	\$	-
B.1,3,4 Other Personnel (P	\$	-	###	\$	-
C. Fringe & I. Indirect					
D. Equipment				\$	(50,000)
E. Travel					
G. 1. Materials and Supplies				\$	-
G. 3. Consultant Services	\$	(345,000)	###		
G. 4. Computer Services				\$	-
G. 5. Other				\$	-
Infrastructure Construction					
<b>Total Result</b>	<b>\$</b>	<b>(345,000)</b>	<b>###</b>	<b>\$</b>	<b>(50,000)</b>

### Delta Budget Detail

(Updated budget)

Other Ecosystem	Total #	Total %	Institution Type	Insti	#
### 4.52%	###	<b>42.45%</b>			\$ -
	###	<b>15.09%</b>	Lead		\$ -
	###	<b>15.09%</b>		[lead	\$ -
### 4.52%	###	<b>27.36%</b>	Subaward		\$ -
### 4.52%	###	<b>15.94%</b>		[suba	\$ -
	###	<b>11.42%</b>		[suba	\$ -
	###	<b>8.66%</b>			\$ -
	###	<b>3.29%</b>	Lead		\$ -

		###	3.29%		[lead	\$	-
		###	5.37%	Subaward		\$	-
		###	2.69%		[suba	\$	-
		###	2.69%		[suba	\$	-
4.24%		###	4.24%				
4.24%		###	4.24%	Lead			
4.24%		###	4.24%		[lead	institution nam	
	### 0.18%	###	3.68%				
		###	2.33%	Lead			
		###	2.33%		[lead	institution nam	
	### 0.18%	###	1.34%	Subaward			
		###	0.78%		[subaward-1 instituti		
	### 0.18%	###	0.57%		[subaward-2 instituti		
		###	1.48%				
		###	0.95%	Lead			
		###	0.95%		[lead	institution nam	
		###	0.53%	Subaward			
		###	0.53%		[subaward-1 instituti		
		###	2.55%				
		###	0.85%	Lead			
		###	0.85%		[lead	institution nam	
		###	1.70%	Subaward			
		###	0.85%		[subaward-1 instituti		
		###	0.85%		[subaward-2 instituti		
		###	16.76%			\$	(345,000)
		###	7.95%	Lead		\$	(345,000)
		###	7.95%		[lead	\$	(345,000)
		###	8.80%	Subaward		\$	-
		###	8.80%		[suba	\$	-
		###	2.16%				
		###	0.92%	Lead			
		###	0.92%		[lead	institution nam	
		###	1.24%	Subaward			
		###	0.78%		[subaward-1 instituti		
		###	0.46%		[subaward-2 instituti		
		###	10.60%				
		###	10.60%	Lead			
		###	10.60%		[lead	institution nam	
		###	7.42%				
		###	3.53%	Lead			
		###	3.53%		[lead	institution nam	



		###	3.89%	Subaward		
		###	2.30%		[subaward-1 instituti	
		###	1.59%		[subaward-2 instituti	
<b>4.24%</b>	<b>###</b>	<b>4.70%</b>	<b>###</b>	<b>100.00%</b>		<b>\$ (345,000)</b>

et - Original Budget)

D	Translation Innovations		Governance and Mana		(empty)	Other Ecosyste		
%	#	%	#	%	#	%	#	
###	\$	- 0.00%	\$	(5,000) ###			\$	-
###	\$	- 0.00%						
###	\$	(50,000) 3.51%			\$	- 0.00%		
###			\$	(25,000) ###			\$	-
###	\$	(950,000) ###						
###	\$	- 0.00%						
###	\$	- 0.00%						
###	<b>\$(1,000,000)</b>	<b>###</b>	<b>\$</b>	<b>(30,000) ###</b>	<b>\$</b>	<b>- 0.00%</b>	<b>\$</b>	<b>-</b>

et - Original Budget)

Data							
elopm	Use-inspired R/D		Translation Innovation		Governance and Manag		(empty)
%	#	%	#	%	#	%	#
###	\$	- 0.00%	\$	- ###	\$	(5,000) 0.35%	
###	\$	- 0.00%	\$	- ###	\$	(5,000) 0.35%	
###	\$	- 0.00%	\$	- ###	\$	(5,000) 0.35%	
###	\$	- 0.00%	\$	- ###	\$	- 0.00%	
###	\$	- 0.00%	\$	- ###	\$	- 0.00%	
###	\$	- 0.00%	\$	- ###	\$	- 0.00%	
###	\$	- 0.00%	\$	- ###			
###	\$	- 0.00%	\$	- ###			

###	\$	-	0.00%	\$	-	###		
###	\$	-	0.00%	\$	-	###		
###	\$	-	0.00%	\$	-	###		
###	\$	-	0.00%	\$	-	###		
								\$ -
e]								\$ -
	\$	(50,000)	3.51%	\$	(50,000)	###		
	\$	(50,000)	3.51%	\$	(50,000)	###		
e]	\$	(50,000)	3.51%	\$	(50,000)	###		
	\$	-	0.00%	\$	-	###		
on na	\$	-	0.00%	\$	-	###		
on na	\$	-	0.00%	\$	-	###		
							\$ (25,000)	1.75%
							\$ (25,000)	1.75%
e]							\$ (25,000)	1.75%
							\$ -	0.00%
on name]							\$ -	0.00%
	\$	-	0.00%					
	\$	-	0.00%					
e]	\$	-	0.00%					
	\$	-	0.00%					
on na	\$	-	0.00%					
on na	\$	-	0.00%					
###				\$	(950,000)	###		
###				\$	(950,000)	###		
###				\$	(950,000)	###		
###				\$	-	###		
###				\$	-	###		
	\$	-	0.00%					
	\$	-	0.00%					
e]	\$	-	0.00%					
	\$	-	0.00%					
on na	\$	-	0.00%					
on na	\$	-	0.00%					
	\$	-	0.00%	\$	-	###		
	\$	-	0.00%	\$	-	###		
e]	\$	-	0.00%	\$	-	###		
				\$	-	###		
				\$	-	###		
e]				\$	-	###		

		\$ - ###		
on name]		\$ - ###		
on name]		\$ - ###		
<b>###</b>	<b>\$ (50,000) 3.51%</b>	<b>\$(1,000,000) ###</b>	<b>\$ (30,000) 2.11%</b>	<b>\$ -</b>

m Building	Total #	Total %
0.00%	\$ (5,000)	0.35%
	\$ -	0.00%
	\$ -	0.00%
0.00%	\$ (100,000)	7.02%
	\$ (25,000)	1.75%
	\$ -	0.00%
	###	90.88%
	\$ -	0.00%
	\$ -	0.00%
	\$ -	0.00%
<b>0.00%</b>	<b>###</b>	<b>100.00%</b>

	Other Ecosystem Building	Total #	Total %
%	#	%	
	\$ -	0.00%	\$ (5,000) 0.35%
			\$ (5,000) 0.35%
			\$ (5,000) 0.35%
	\$ -	0.00%	\$ - 0.00%
	\$ -	0.00%	\$ - 0.00%
			\$ - 0.00%
			\$ - 0.00%
			\$ - 0.00%



		\$ -	0.00%
		\$ -	0.00%
		\$ -	0.00%
<b>0.00%</b>	<b>\$ -</b>	<b>0.00%</b>	<b>### 100.00%</b>

## List of Partner Organizatio

### Green buttons update all tables related to budget

This shape represents a slicer. Slicers are supported in Excel 2010 or later.

If the shape was modified in an earlier version of Excel, or if the workbook was saved in Excel 2003 or earlier, the slicer cannot be used.

Partnership Role
Lead
Formal Partner
Informal Partner
<b>Total Result</b>

### Blue buttons update all tables related to resources

This shape represents a slicer. Slicers are supported in Excel 2010 or later.

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## ns in Updated Budget

Institution	Sum of Updated Cost
	###
[lead institution na	###
	###
[subaward-1 institu	###
	###
[subaward-2 institu	###
	###

**Updated List of Partner Organizations in Resources**

Count of Resource Value (updated)		Resource Value (updated)			
Partnership Role	Institution	Low (\$0-25	Medium (\$25-75	High (>\$75	Total Resources
Lead		3			3
	ACME Science	3			3
Formal Partner		3	4	3	10
	LMN University	3	1		4
	University of XYZ		3	3	6
Informal Partner			3		3
	ABC University		3		3
<b>Total Result</b>		<b>6</b>	<b>7</b>	<b>3</b>	<b>16</b>

Result

**Use buttons to filter tables on Core Function and Institution**

Green buttons update all tables related to budget

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**Budgets**

*Data reflects Team's suggested updates to their budg*

<b>Cost Category</b>
A, B, 2,5,6 Salaries and Wages (Faculty/Staff)
B.1,3,4 Other Personnel (Postdocs/Students/etc)
C. Fringe & I. Indirect
D. Equipment
E. Travel
G. 1. Materials and Supplies
G. 3. Consultant Services
G. 4. Computer Services
G. 5. Other
Infrastructure Construction
<b>Total Result</b>

**Budgets per Activity (Using Updated Bu**

<b>Activity</b>
R/D-1
R/D-2
R/D-3
R/D-4

R/D-5

TR-1

TR-2

TR-3

TR-4

TR-5

WD-1

WD-2

WD-3

WD-4
WD-5
(empty)
EB-2
EB-3
EB-4
EB-5
EB-1
N/A
<b>Total Result</b>

et

Blue buttons update all tables related to resources

Data	
#	%
\$ 6,005,000	42.45%
\$ 1,225,000	8.66%
\$ 600,000	4.24%
\$ 520,000	3.68%
\$ 210,000	1.48%
\$ 360,000	2.55%
\$ 2,370,000	16.76%
\$ 305,000	2.16%
\$ 1,500,000	10.60%
\$ 1,050,000	7.42%
###	###

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**dget)**

	Data	
Cost Category	#	%
	###	7.07%
A, B. 2,5,6 Sal	###	4.31%
B.1,3,4 Other P	###	0.71%
D. Equipment	\$50,000	0.35%
G. 1. Materials	###	1.31%
G. 4. Compute	\$55,000	0.39%
	###	8.41%
B.1,3,4 Other P	\$60,000	0.42%
D. Equipment	\$55,000	0.39%
G. 4. Compute	\$75,000	0.53%
G. 5. Other	###	7.07%
	###	3.00%
A, B. 2,5,6 Sal	###	1.13%
B.1,3,4 Other P	\$75,000	0.53%
D. Equipment	###	0.88%
G. 4. Compute	\$65,000	0.46%
	###	1.77%

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B.1,3,4 Other P	\$80,000	0.57%
D. Equipment	\$50,000	0.35%
G. 1. Materials	\$65,000	0.46%
G. 4. Compute	\$55,000	0.39%
	###	2.93%
A, B. 2,5,6 Sal	###	1.13%
B.1,3,4 Other P	\$60,000	0.42%
D. Equipment	\$30,000	0.21%
G. 1. Materials	###	0.78%
G. 4. Compute	\$55,000	0.39%
	###	9.16%
A, B. 2,5,6 Sal	###	3.25%
B.1,3,4 Other P	###	1.31%
D. Equipment	\$50,000	0.35%
G. 3. Consultar	\$25,000	0.18%
Infrastructure	###	4.07%
	###	###
A, B. 2,5,6 Sal	###	1.13%
B.1,3,4 Other P	\$80,000	0.57%
G. 3. Consultar	###	2.83%
G. 5. Other	###	3.53%
Infrastructure	###	2.12%
	\$65,000	0.46%
D. Equipment	\$65,000	0.46%
	###	2.40%
A, B. 2,5,6 Sal	###	1.13%
B.1,3,4 Other P	###	0.78%
D. Equipment	\$70,000	0.49%
	###	6.54%
A, B. 2,5,6 Sal	###	1.06%
G. 3. Consultar	###	4.24%
Infrastructure	###	1.24%
	###	3.61%
A, B. 2,5,6 Sal	###	2.12%
B.1,3,4 Other P	\$60,000	0.42%
G. 3. Consultar	###	1.06%
	###	4.14%
A, B. 2,5,6 Sal	###	1.13%
B.1,3,4 Other P	###	1.24%
G. 3. Consultar	###	1.77%
	###	6.43%



A, B. 2,5,6 Sal	###	3.39%
B.1,3,4 Other P	\$80,000	0.57%
G. 3. Consultar	###	2.47%
	###	2.97%
A, B. 2,5,6 Sal	###	2.19%
B.1,3,4 Other P	###	0.78%
	###	5.69%
A, B. 2,5,6 Sal	###	1.13%
B.1,3,4 Other P	\$50,000	0.35%
G. 3. Consultar	###	4.21%
	###	4.24%
C. Fringe & I. I	###	4.24%
	###	1.13%
A, B. 2,5,6 Sal	###	1.13%
	###	1.13%
A, B. 2,5,6 Sal	###	1.13%
	###	1.13%
A, B. 2,5,6 Sal	###	1.13%
	###	1.13%
A, B. 2,5,6 Sal	###	1.13%
	\$25,000	0.18%
D. Equipment	\$25,000	0.18%
	###	###
A, B. 2,5,6 Sal	###	###
E. Travel	###	1.48%
	###	###

**Resources**

*Data reflects Team's suggested updates to their resources*

**To see the full set of resources see the Summary Resources tab**

**Resources per Activity (Using Updated Resources)**

Activity
R/D-1
R/D-2
R/D-3
R/D-4
TR-1
TR-2

WD-1

WD-2

WD-3

WD-4

(empty)

EB-1

**Total Result**

Resource Type	Resource Detail	(empty)
(empty)	Manufacturing research facilities and equipment	
Lab Space	Lab space for execution of Engine project and student projects	
(empty)	Large facility outfitted with advanced prototyping and manufacturing equipment	
(empty)	Dedicated lab space	
(empty)	Facilitate technology transfer efforts; Support for venture funding pipelines and	
(empty)	Center for translating new technologies into real-world products	

Personnel	Partnership coordination; Workforce training initiatives	
(empty)	Large population of underserved students; Lead outreach with partners; develop Postdoctoral researcher mentoring program	
(empty)	Lead student entrepreneur programs	
(empty)	Training students to be ready to enter the workforce	
(empty)	Dedicated office space Dedicated office space; access to conference and meeting facilities Dedicated office space; access to conference and meeting facilities; updated i Lead outreach with partners within the state	
(empty)	Dedicated office space	

ent; lead us-inspired R&D

id commercialization

Develop workforce training programs

Includes additional dedicated

**Use buttons to filter tables on Core Function and Activity**

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**Updated Budget**

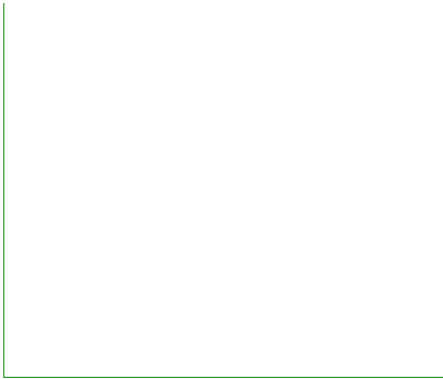
*Data reflects Team's suggested updates to their budg*

<b>Cost Category</b>
A, B. 2,5,6 Salaries and Wages (Faculty/Staff)
B.1,3,4 Other Personnel (Postdocs/Students/etc)
C. Fringe & I. Indirect
D. Equipment
E. Travel
G. 1. Materials and Supplies
G. 3. Consultant Services
G. 4. Computer Services
G. 5. Other
Infrastructure Construction
<b>Total Result</b>

**Budgets per Organization (Using Update**

<b>Cost Category</b>
A, B. 2,5,6 Salaries and Wages (Faculty/Staff)
B.1,3,4 Other Personnel (Postdocs/Students/etc)
C. Fringe & I. Indirect
D. Equipment





E. Travel
G. 1. Materials and Supplies
G. 3. Consultant Services
G. 4. Computer Services
G. 5. Other
Infrastructure Construction
<b>Total Result</b>

et

Data	
#	%
\$ 6,005,000	42.45%
\$ 1,225,000	8.66%
\$ 600,000	4.24%
\$ 520,000	3.68%
\$ 210,000	1.48%
\$ 360,000	2.55%
\$ 2,370,000	16.76%
\$ 305,000	2.16%
\$ 1,500,000	10.60%
\$ 1,050,000	7.42%
###	###

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This shape represents a slicer. Slicers are supported in Excel 2010 or later.

If the shape was modified in an earlier version of Excel, or if the workbook was saved in Excel 2003 or earlier, the slicer cannot be used.

**ad Budget)**

		Data	
Institution Type	Institution #	#	%
		\$ 6,005,000	42.45%
Lead		\$ 2,135,000	15.09%
	[lead inst	\$ 2,135,000	15.09%
Subaward		\$ 3,870,000	27.36%
	[subaward	\$ 2,255,000	15.94%
	[subaward	\$ 1,615,000	11.42%
		\$ 1,225,000	8.66%
Lead		\$ 465,000	3.29%
	[lead inst	\$ 465,000	3.29%
Subaward		\$ 760,000	5.37%
	[subaward	\$ 380,000	2.69%
	[subaward	\$ 380,000	2.69%
		\$ 600,000	4.24%
Lead		\$ 600,000	4.24%
	[lead inst	\$ 600,000	4.24%
		\$ 520,000	3.68%
Lead		\$ 330,000	2.33%
	[lead inst	\$ 330,000	2.33%

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Subaward		\$ 190,000	1.34%
	[subaward	\$ 110,000	0.78%
	[subaward	\$ 80,000	0.57%
		\$ 210,000	1.48%
Lead		\$ 135,000	0.95%
	[lead inst	\$ 135,000	0.95%
Subaward		\$ 75,000	0.53%
	[subaward	\$ 75,000	0.53%
		\$ 360,000	2.55%
Lead		\$ 120,000	0.85%
	[lead inst	\$ 120,000	0.85%
Subaward		\$ 240,000	1.70%
	[subaward	\$ 120,000	0.85%
	[subaward	\$ 120,000	0.85%
		\$ 2,370,000	16.76%
Lead		\$ 1,125,000	7.95%
	[lead inst	\$ 1,125,000	7.95%
Subaward		\$ 1,245,000	8.80%
	[subaward	\$ 1,245,000	8.80%
		\$ 305,000	2.16%
Lead		\$ 130,000	0.92%
	[lead inst	\$ 130,000	0.92%
Subaward		\$ 175,000	1.24%
	[subaward	\$ 110,000	0.78%
	[subaward	\$ 65,000	0.46%
		\$ 1,500,000	10.60%
Lead		\$ 1,500,000	10.60%
	[lead inst	\$ 1,500,000	10.60%
		\$ 1,050,000	7.42%
Lead		\$ 500,000	3.53%
	[lead inst	\$ 500,000	3.53%
Subaward		\$ 550,000	3.89%
	[subaward	\$ 325,000	2.30%
	[subaward	\$ 225,000	1.59%
		###	<b>100.00%</b>

## Updated Resources

Data reflects Team's suggested updates to their resources

To see the full set of resources see the Summary Resources tab

### Resources per Organization (Using Updated Resources)

Institution
ABC University
ACME Science & Technology Corporation
LMN University
University of XYZ

**Total Result**

Resource Type	Resource Detail	(empty)
(empty)	Dedicated lab space Lead outreach with partners within the state Lead student entrepreneur programs	
Personnel	Partnership coordination; Workforce training initiatives	
(empty)	Center for translating new technologies into real-world products Manufacturing research facilities and equipment	
(empty)	Dedicated office space; access to conference and meeting facilities Dedicated office space; access to conference and meeting facilities; updated i Facilitate technology transfer efforts; Support for venture funding pipelines an Training students to be ready to enter the workforce	
Lab Space		

	Lab space for execution of Engine project and student projects
(empty)	Dedicated office space Large facility outfitted with advanced prototyping and manufacturing equipment Large population of underserved students; Lead outreach with partners; develop Postdoctoral researcher mentoring program

includes additional dedicated  
and commercialization



ent; lead us-inspired R&D

elop workforce training programs

**Cost Category**

A, B. 2,5,6 Salaries and Wages (Faculty/Staff)  
B.1,3,4 Other Personnel (Postdocs/Students/etc)  
C. Fringe & I. Indirect  
D. Equipment  
E. Travel  
F. Participant Support  
G. 1. Materials and Supplies  
G. 3. Consultant Services  
G. 4. Computer Services  
G. 5. Other  
Infrastructure Construction

**Institution Type**

Lead  
Subaward

A, B. 2,5,6 Salaries and Wages (Faculty/Staff)  
B.1,3,4 Other Personnel (Postdocs/Students/etc)  
C. Fringe & I. Indirect  
D. Equipment  
E. Travel  
F. Participant Support  
G. 1. Materials and Supplies  
G. 3. Consultant Services  
G. 4. Computer Services  
G. 5. Other  
Infrastructure Construction

Lead  
Subaward

<b>Core Function</b>	Year	Resources	Value
Workforce Development	Year 1	Existing	Low (\$0-250k)
Use-inspired R/D	Year 2	New	Medium (\$250-750k)
Translation Innovations to Practice			High (>\$750k)
Governance and Management			
Other Ecosystem Building			

Workforce Development			
Use-inspired R/D		Existing	
Translation Innovations to Practice	Year 1	New	Low (\$0-250k)
Governance and Management	Year 2		Medium (\$250-750k)
Other Ecosystem Building			High (>\$750k)

Organization Type	Partnership Role
University (granting doctoral or master's degrees)	Lead
Non-profit	Formal Partner
US Industry	Informal Partner
Venture Capitalist	
State or local government	
Federal Government	
Private Foundation	
Incubator/Accelerator	
US College (e.g. community, technical)	
Tribal College	
Tribal Nation	
National Lab or FFRDC (Federally Funded R&D Center)	
Angel Investor	Lead
Quasi Government	Formal Partner
Industry Association	Informal Partner
Foreign Industry	
Foreign Institution of Higher Education	
Foreign Government	
Other	

University (granting doctoral or master's degrees)  
 Non-profit  
 US Industry  
 Venture Capitalist  
 State or local government  
 Federal Government  
 Private Foundation  
 Incubator/Accelerator  
 US College (e.g. community, technical)  
 Tribal College  
 Tribal Nation  
 National Lab or FFRDC (Federally Funded R&D Center)  
 Angel Investor  
 Quasi Government  
 Industry Association  
 Foreign Industry

Foreign Institution of Higher Education

Foreign Government

Other

Activity	Category
WD-1	Project
WD-2	Ecosystem Building
WD-3	Other
WD-4	N/A
WD-5	
R/D-1	
R/D-2	
R/D-3	
R/D-4	
R/D-5	
TR-1	
TR-2	
TR-3	Project
TR-4	Ecosystem Building
TR-5	Other
EB-1	N/A
EB-2	
EB-3	
EB-4	
EB-5	
N/A	
WD-1	
WD-2	
WD-3	
WD-4	
WD-5	
R/D-1	
R/D-2	
R/D-3	
R/D-4	
R/D-5	
TR-1	
TR-2	
TR-3	
TR-4	
TR-5	
EB-1	
EB-2	

EB-3

EB-4

EB-5

N/A