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Economic Modeling  
for Sustainable Development  
and Growth of

**WNY & NWPA**

- 
- Economics, The allocation of scarce resources
  - A Model is anything that organizes data.
  - ... and is only as good as its design and the data used to build it
  - Sustainable Development; Meeting present needs, without compromising future needs
  - Growth measured by [ASA](#) and [Pledges](#)

## Computational Modeling

- The key term is model. At the beginning of MIT's Introduction to Computational Thinking and Data Science, professor [John Guttag](#) explains that, across disciplines in the sciences this past decade or so, computational modeling has increasingly supplemented or replaced physical labs.
- A model, he explained, is anything that organizes data.
- A model is only as good as its design and the data used to build it.

- Sustainable development has been defined in many ways, but the most frequently quoted definition is from Our Common Future, also known as the [Brundtland Report](#):

"Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

# The Goal: Re-Allocate Endowment “Draw”

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- To Reallocate ALL Endowment Revenue presently being used, in both dioceses, for Operating Expenses to non operating activities such as Outreach and congregational level Programs.
  - The model indicates that all management and operating costs can be covered assessments.
  - This would result in a an additional \$300,000 per year or a doubling of funding available for non operating activities in each Dioceses
  - SO Lets have a look at how it can be done

## Model Parameters

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- Target Annual Cost not to exceed \$1,500,000
  - ( \$\$= Assessment of both Dioceses)
  - Expenses Including
    - Management Personnel Costs  
(Shared 50%-50% DWNY- DNWPA)
    - Direct Supporting Costs  
(to reflect actual costs)
  - National Church Apportionment  
(on Revenue to cover Annual Management cost)

2017-2019 Average

	Diocese WNY	Total	Diocese NWPA
*Historic Management Cost	\$1,160,000	\$2,120,000	\$960,000
Revenue Source Congregational Support (Assessment)	\$840,000	\$1,500,000	\$660,000
Endowment Draw	\$320,000	\$620,000	\$300,000

Proposed  
Joint Core Management

	Diocese WNY	Total	Diocese NWPA
Staff	\$415,000	\$830,000	\$415,000
Admin* & Bldg & Grounds	\$198,000	\$347,000	\$149,000
National Church App't	\$95,160	\$183,000	\$87,840
<b>Total</b>	<b>\$708,160</b>	<b>\$1,360,000</b>	<b>\$651,840</b>

Resource  
Reallocation

\*For use in Program,  
Outreach,  
Development, &  
etc.

	Diocese WNY	Total	Diocese NWPA
Resources for Reallocation	\$451,840	\$760,000	\$308,160
Non Operating Costs (Retirees, Strategy, Relations)	\$84,000	\$170,000	\$86,000
Reallocated resources*	\$367,840	\$590,000	\$222,160



Present Economic Model

	Diocese WNY	Total	Diocese NWPA
Number of Congregation	57	89	32
ASA	2900	4250	1350
Endowment	\$15,000,000		\$15,000,000

Present Individual Diocese Management Costs

Resource Allocation	\$1,160,000	\$2,120,000	\$960,000
Revenue source Congregational Support (Assessment)	\$840,000	\$1,500,000	\$660,000
Endowment Draw	\$320,000	\$620,000	\$300,000

## Resource Allocation

Present Individual Diocese Management Costs	\$1,160,000	\$2,120,000	\$960,000
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## Proposed Joint Core Management

Congregational Support (Assessment)	\$840,000	\$1,500,000	\$660,000
Endowment Draw	\$320,000	\$620,000	\$300,000
Proposed Resource Reallocation Joint Core Management		\$1,500,000	
Reallocated Resources*	\$320,000		\$300,000

\*For use in Program, Outreach, Development, & etc.

Apportionment for  
\$1,500,000

WNY	STAFF	NWPA
\$500,000	\$1,000,000	\$500,000
Operations		
\$190,200	\$317,000	\$126,800

National Church  
App't at 12.2%

WNY	National Church Apportionment	NWPA
\$95,160	\$183,000	\$87,840
<b>Total</b>	<b>\$1,500,000</b>	<b>\$714,640</b>

Combined DWNY &  
DNWPA Expenses for  
Operational

OPERATIONS	WNY	TOTALS	NWPA
Build/Grounds	\$61,000		\$30,000
Admin Exp*	\$137,000		\$119,000
Retirees	\$1		\$1
Mission Strategy	\$1		\$1
Relations	\$1		\$1
	\$198,003	\$347,006	\$149,003

Non Operational

NON OPERATIONAL	WNY	TOTALS	NWPA
Retirees	\$30,000		\$23,000
Mission Strategy	\$48,000		\$45,000
Relations	\$6,000		\$19,000
	\$84,000	\$171,000	\$87,000
	\$282,003	\$518,006	\$236,003

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Reallocated resources*	\$367,840	\$590,000	\$222,160

Economic Model for Sustainable Development

2017-2019 Average

\*For use in Program, Outreach, Development, & etc.

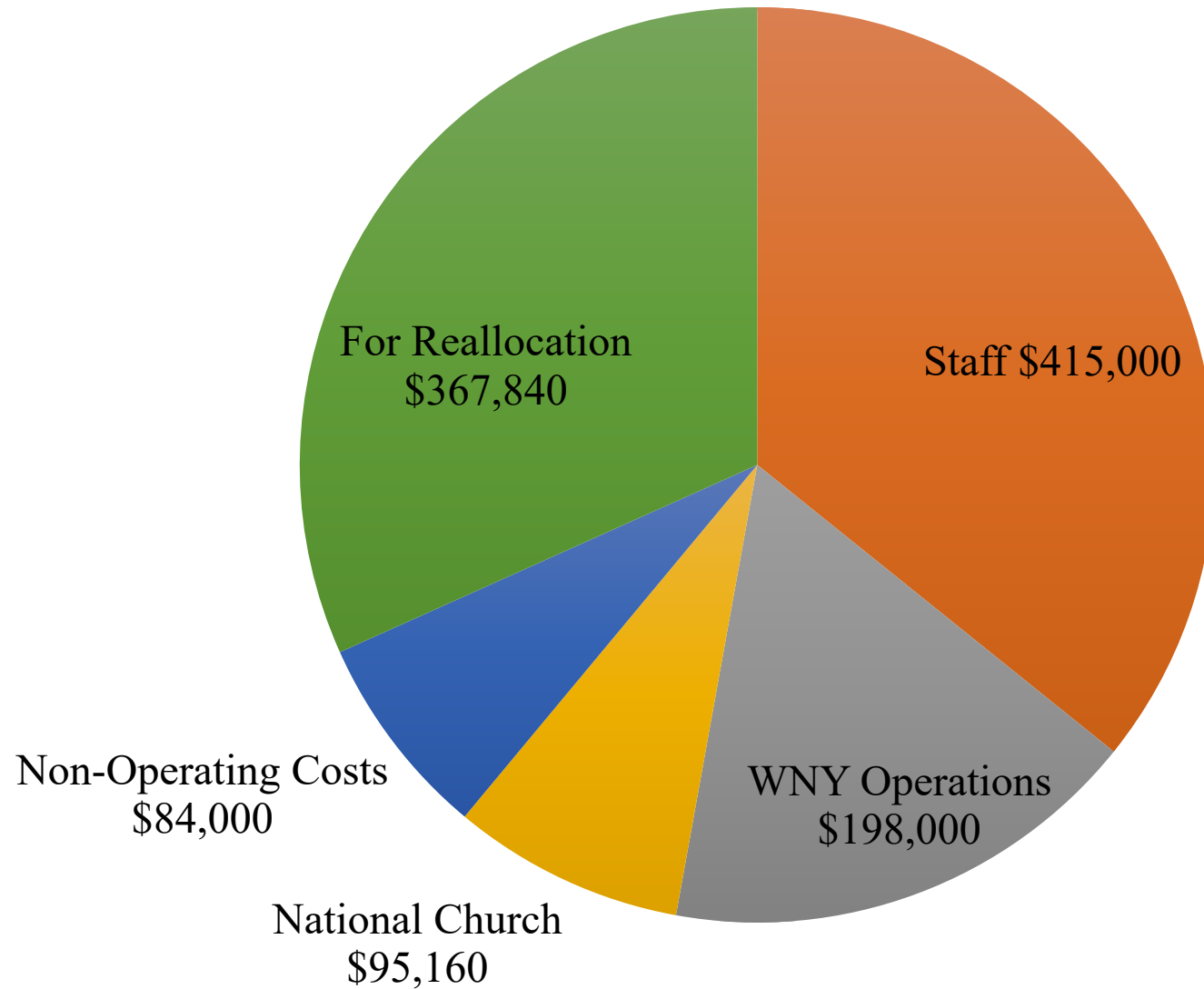
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Economic Model for Sustainable Development

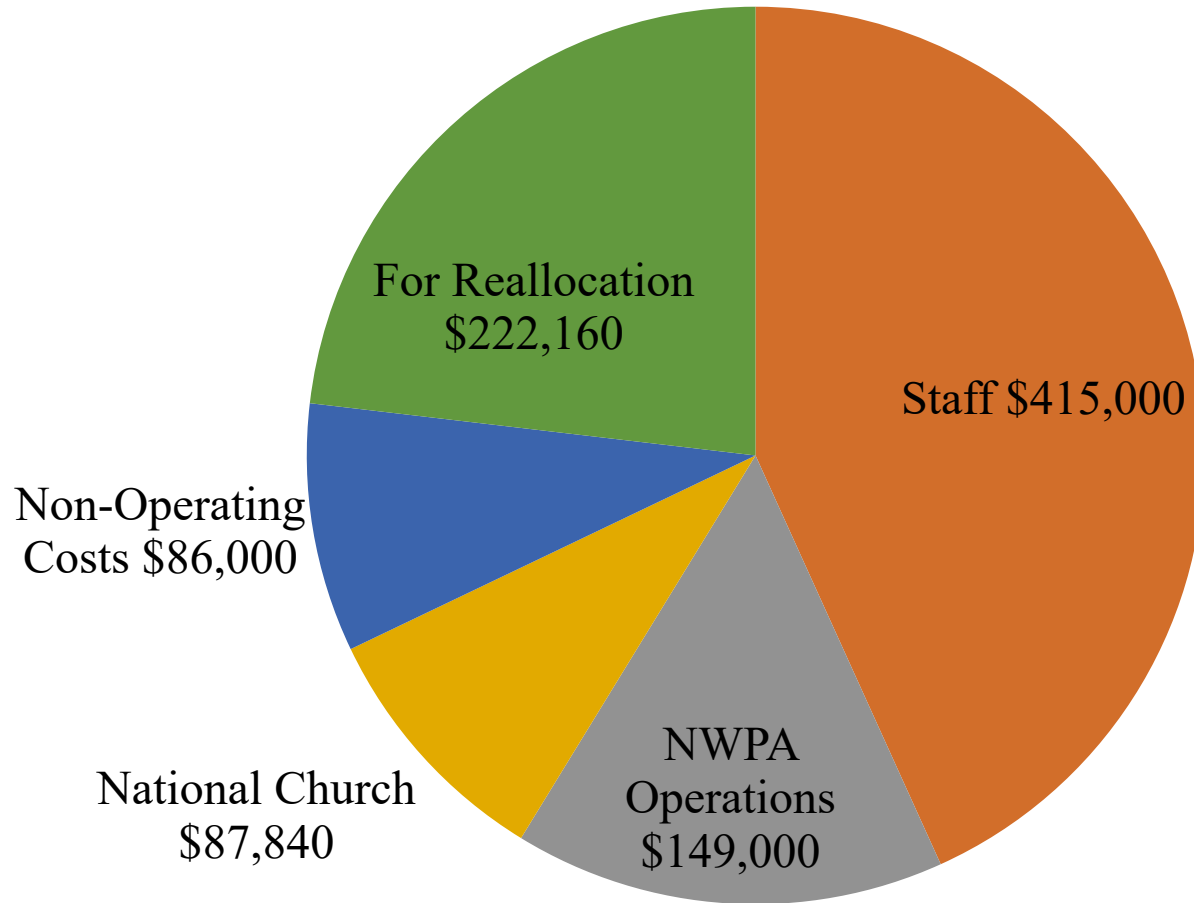
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**WNY Under Joint Core Management**  
**\$1,160,000**



# NWPA Under Joint Core Management \$960,000



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Thank You