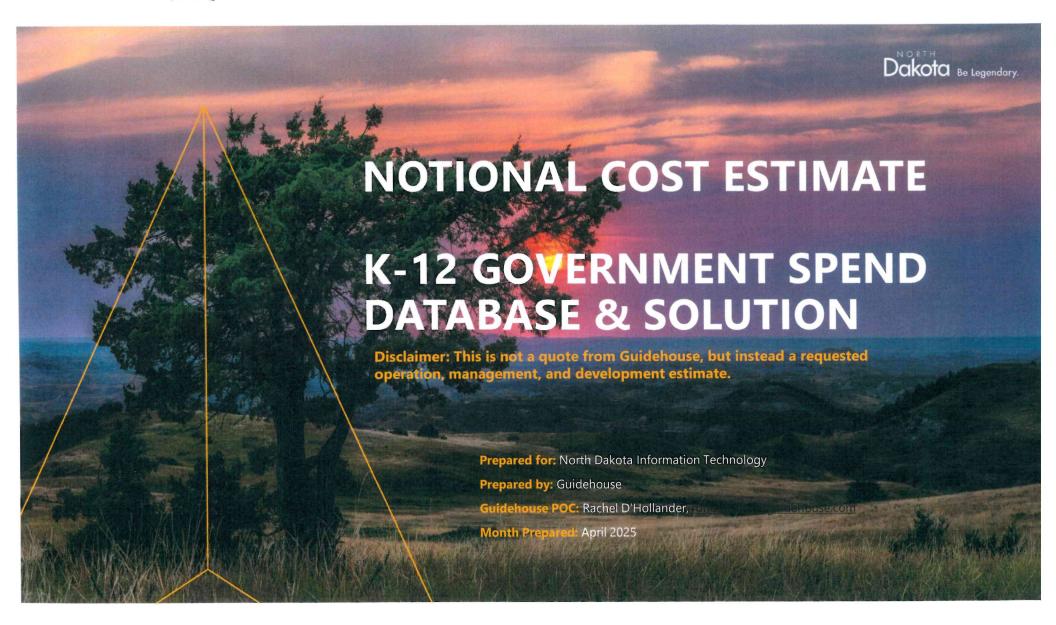
HB 1329 4-11-25 MOCK



K-12 FINANCIAL REPORTING DATABASE AND COLLECTION SOLUTION DESIGN AND DEVELOPMENT

Quote Overview

The prepared quote on the right depicts the design and development cost to create the solution for collecting, centrally storing (statewide), and creating the analytic interfaces to review results.

Included Costs in Estimate

Design and development of the solution (first release)

Excluded Costs

- Ongoing operations and maintenance
- Program administration by DPI
- Report preparation and submission by LEAs

See the supporting Excel model for greater line item detail and assumptions on the buildup around each task and highlights key assumptions that impact costing inputs. Changes to the complexity of data collection and consumption will have a converse impact on the estimates provided below.

*rates are blended.

	Vendor Labor Costs	Contractor Rate*	NDIT Rate*	Contractor Hours	NDIT Hours	Cost
1	Requirements Gathering	\$239.20	\$115.00	420	320	\$ 137,264.00
2	Solution Architecture	\$239.20	\$115.00	80	120	\$ 32,936.00
3	Data Collection	\$239.20	\$115.00	4260	980	\$1,131,692.00
4	Data Engineering	\$239.20	\$115.00	940	640	\$ 298,448.00
5	Consumption Interface	\$239.20	\$115.00	430	120	\$ 116,656.00
			Totals	6130	2180	\$ 1,716,996.00



Disclaimer: This is not a quote from Guidehouse, but instead a requested operation, management, and development estimate.

KEY ASSUMPTIONS

 1	Required data exists or can be generated by individual school districts. Strong assumption; issues with data access and collection will have a large impact on feasibility and cost
 2	No existing centralized data source that can be leveraged.
3	No currently existing data collection infrastructure.
4	Data will be provided by individual districts through flat files.
5	Individuals providing data will need an intuitive interface for submission.
6	Data collection layer may require development of custom interfaces and APIs.
7	Data consumption layer will be built using CoTS tools (e.g., Power BI) and will not involve development of custom web application.
8	Solution will leverage NDIT's Azure Platform (modern data platform).
9	Work may require data sharing agreements.
10	Work will be performed by a combination of contractors and North Dakota IT and business personnel.
11	Estimates for O&M costs will be considered separately.
12	DPI and SLDS (I/A) effort to manage the collection process, communicate with LEAs, update data sharing agreements will be excluded.

Dakota Be Legendary.

DPI - K-12 Financial Reporting - Notional Estimate

Prepared for the North Dakota Department of Information Technology

Developed - April 2025

Disclaimer: This is not a quote from Guidehouse, but instead a requested operation, management, and development estimate.

This document provides greater line item detail and assumptions on the buildup around each task and highlights key assumptions that impact costing inputs. Changes to the complexity of data collection and consumption will have a converse impact on the estimates provided below. This estimate only covers design, development, and deployment. It does not cover operations and maintenance (O&M).

Guidehouse POC: Rachel D'Hollander (rdhollander@guidehouse.com)

Development Cost Estimates - Vendor

#	Type	Blended Contractor Rate		ed ND Rate	Contractor Hours	ND Hours	Cost	t Estimate
	Vendor Labor Costs							
1	Requirements Gathering	\$ 239.20	\$	115.00	420	320	\$	137,264.00
2	Solution Architecture	\$ 239.20) \$	115.00	80	120	\$	32,936.00
3	Data Collection	\$ 239.20) \$	115.00	4260	980	\$	1,131,692.00
4	Data Engineering	\$ 239.20) \$	115.00	940	640	\$	298,448.00
5	Consumption Interface	\$ 239.20) \$	115.00	430	120	\$	116,656.00
6		\$ 239.20) \$	115.00			\$	=
7		\$ 239.20) \$	115.00			\$	-
8		\$ 239.20) \$	115.00			\$	
9		\$ 239.20) \$	115.00			\$	-
10		\$ 239.20) \$	115.00			\$	-
			(1)	Total	6130	2180	\$	1,716,996.00

Key Assumptions

Required data exists or can be generated by individual school districts. (this is a strong assumption; issues

- 1 with data access and collection will have a large impact on feasibility and cost)
- 2 No existing centralized data source that can be leveraged.
- 3 No currently existing data collection infrastructure.
- 4 Data will be provided by individual districts through flat files.
- 5 Individuals providing data will need an intuitive interface for submission.
- 6 Data collection layer may require development of custom interfaces and APIs.
- 7 Data consumption layer will be built using CoTS tools (e.g., Power BI) and will not involve development of custom web application.
- 8 Solution will leverage NDIT's Azure Platform (MDP).
- 9 Work may require data sharing agreements.
- 10 Work will be performed by a combination of contractors and North Dakota IT and business personnel.
- 11 Estimates for O&M costs will be considered separately.
- 12 DPI and SLDS (I/A) effort to manage the collection process, communicate with LEAs, update data sharing agreements will be excluded.

#	Туре	Blen	ded Contractor Rate	Ble	nded ND Rate	Contractor Hours	ND Hours	Cos	st Estimate
	Vendor Labor Costs								
1	Consumption Interface Requirements Gathering	\$	239.20	\$	115.00	120	100	\$	40,204.00
2	Data Requirements Gathering	\$	239.20	\$	115.00	100	60	\$	30,820.00
3	Data Management Requirements Gathering	\$	239.20	\$	115.00	40	40	\$	14,168.00
4	Data Collection Requirements Gathering	\$	239.20	\$	115.00	160	120	\$	52,072.00
5		\$	239.20	\$	115.00			\$	-
6		\$	239.20	\$	115.00			\$	=
7		\$	239.20	\$	115.00			\$	-
8		\$	239.20	\$	115.00			\$	-
9		\$	239.20	\$	115.00			\$	-
10		\$	239.20	\$	115.00			\$	-

(P.)

#	Туре	Blended Contractor Rate	Blended ND Rate	Contractor Hours	ND Hours	Cost Estimate
	Vendor Labor Costs					
1	Solution Architecture Development	\$ 239.20	\$ 115.00	80	120	\$ 32,936.00
2		\$ 239.20	\$ 115.00			\$ -
3		\$ 239.20	\$ 115.00			\$ -
4		\$ 239.20	\$ 115.00			\$ -
5		\$ 239.20	\$ 115.00			\$ -
6		\$ 239.20	\$ 115.00			\$ -
7		\$ 239.20	\$ 115.00			\$ -
8		\$ 239.20	\$ 115.00			\$ -
9		\$ 239.20	\$ 115.00			\$ -
10		\$ 239.20	\$ 115.00			\$ -

#	Type Vendor Labor Costs	Blended Co	ontractor Rate	Blen	ded ND Rate	Contractor Hours	ND Hours	CONTRACTOR	h Estimate
1	Develop Standardized Templates	\$	239.20	\$	115.00	200	60	\$	54,740.00
2	Implement Data Collection Process	\$	239.20	\$	115.00	3600	300	\$	895,620.00
3	Training and Resource Development	\$	239.20	\$	115.00	260	80	\$	71,392.00
4	User Acceptance Testing	\$	239.20	\$	115.00	80	240	\$	46,736.00
5	Rollout	\$	239.20	\$	115.00	120	300	\$	63,204.00
6		\$	239.20	\$	115.00			\$	-
7		\$	239.20	\$	115.00			\$	-
8		\$	239.20	\$	115.00			\$	_
9		\$	239.20	\$	115.00			\$	-
10		\$	239.20	\$	115.00			\$	-

#	Type Vendor Labor Costs	Blended Contractor Rate	Blended ND Rate	Contractor Hours	ND Hours	High Estimate - Cost
1	Data Model Development	\$ 239.20	\$ 115.00	200	40	\$ 52,440.00
2	ETL Pipeline Development	\$ 239.20	\$ 115.00	500	240	\$ 147,200.00
3	Automation & Scheduling	\$ 239.20	\$ 115.00	240	360	\$ 98,808.00
4		\$ 239.20	\$ 115.00			\$ -
5		\$ 239.20	\$ 115.00			\$ -
6		\$ 239.20	\$ 115.00			\$ -
7		\$ 239.20	\$ 115.00			\$ -
8		\$ 239.20	\$ 115.00			\$ -
9		\$ 239.20	\$ 115.00			\$ -
10		\$ 239.20	\$ 115.00			\$ -

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#	Type Vendor Labor Costs	Blended C	ontractor Rate	Blen	nded ND Rate	Contractor Hours		2000000	gh Estimate ost
1	Wireframing	\$	239.20	\$	115.00	80	20	\$	21,436.00
2	Consumption Interface Development	\$	239.20	\$	115.00	320	10	\$	77,694.00
3	Consumption Interface Operationalization	\$	239.20	\$	115.00	10	10	\$	3,542.00
4	User Acceptance Testing	\$	239.20	\$	115.00	20	80	\$	13,984.00
5		\$	239.20	\$	115.00			\$	a —
6		\$	239.20	\$	115.00			\$	-
7		\$	239.20	\$	115.00			\$	-
8		\$	239.20	\$	115.00			\$	-
9		\$	239.20	\$	115.00			\$	-
10		\$	239.20	\$	115.00			\$	-