

**SOAH DOCKET NO. 582-22-0585
TCEQ DOCKET NO. 2021-1001-MWD**

**IN THE MATTER OF THE
APPLICATION BY THE CITY OF
GRANBURY FOR
TPDES PERMIT NO.
WQ0015821001**

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**BEFORE THE STATE OFFICE

OF

ADMINISTRATIVE HEARINGS**

COG EXHIBIT 804

The Estimated Annual Impact Associated with Inadequate Wastewater Capacity to Support Anticipated Growth on Business Activity in Hood County

Results as of 2025 by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Jobs
Agriculture	-1.3 m	-0.3 m	-0.2 m	-3
Mining	-0.0 m	-0.0 m	-0.0 m	+0
Utilities	-2.4 m	-0.5 m	-0.2 m	-1
Construction	-1.1 m	-0.6 m	-0.5 m	-6
Manufacturing	-1.3 m	-0.5 m	-0.3 m	-3
Wholesale Trade	-0.6 m	-0.4 m	-0.2 m	-2
Retail Trade*	-13.0 m	-9.2 m	-5.3 m	-162
Transportation & Warehousing	-0.7 m	-0.5 m	-0.3 m	-4
Information	-0.4 m	-0.2 m	-0.1 m	-1
Financial Activities*	-9.9 m	-3.1 m	-0.9 m	-7
Business Services	-1.4 m	-0.9 m	-0.7 m	-8
Health Services	-7.9 m	-4.9 m	-4.2 m	-63
Other Services	-4.5 m	-2.5 m	-1.9 m	-38
Total, All Industries	-44.6 m	-23.6 m	-14.8 m	-298

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in millions of 2021 US dollars per year. Components may not sum due to rounding. Retail Trade includes Restaurants, Financial Activities includes Real Estate.

The Estimated Annual Impact Associated with Inadequate Wastewater Capacity to Support Anticipated Growth on Business Activity in Granbury

Results as of 2025 by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Jobs
Agriculture	-0.2 m	-0.0 m	-0.0 m	-0
Mining	-0.0 m	-0.0 m	-0.0 m	+0
Utilities	-0.4 m	-0.1 m	-0.0 m	-0
Construction	-0.1 m	-0.1 m	-0.1 m	-1
Manufacturing	-0.1 m	-0.0 m	-0.0 m	-0
Wholesale Trade	-0.1 m	-0.0 m	-0.0 m	-0
Retail Trade*	-8.0 m	-5.5 m	-3.1 m	-101
Transportation & Warehousing	-0.1 m	-0.1 m	-0.1 m	-1
Information	-0.0 m	-0.0 m	-0.0 m	-0
Financial Activities*	-5.7 m	-1.6 m	-0.4 m	-3
Business Services	-0.2 m	-0.1 m	-0.1 m	-1
Health Services	-6.5 m	-4.0 m	-3.4 m	-52
Other Services	-2.5 m	-1.4 m	-1.0 m	-20
Total, All Industries	-23.9 m	-13.1 m	-8.2 m	-179

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in millions of 2021 US dollars per year. Components may not sum due to rounding. Retail Trade includes Restaurants, Financial Activities includes Real Estate.

The Estimated Annual Impact Associated with Inadequate Wastewater Capacity to Support Anticipated Growth on Business Activity in Hood County

Results as of 2030 by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Jobs
Agriculture	-2.3 m	-0.6 m	-0.4 m	-6
Mining	-0.1 m	-0.0 m	-0.0 m	+0
Utilities	-4.5 m	-1.0 m	-0.4 m	-2
Construction	-2.2 m	-1.1 m	-0.9 m	-12
Manufacturing	-2.5 m	-0.9 m	-0.5 m	-6
Wholesale Trade	-1.0 m	-0.7 m	-0.4 m	-4
Retail Trade*	-22.8 m	-16.4 m	-9.4 m	-284
Transportation & Warehousing	-1.3 m	-0.9 m	-0.6 m	-7
Information	-0.7 m	-0.5 m	-0.2 m	-1
Financial Activities*	-18.6 m	-5.8 m	-1.7 m	-15
Business Services	-2.7 m	-1.6 m	-1.3 m	-15
Health Services	-16.3 m	-10.2 m	-8.6 m	-131
Other Services	-8.1 m	-4.5 m	-3.4 m	-69
Total, All Industries	-83.2 m	-44.1 m	-27.9 m	-552

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in millions of 2021 US dollars per year. Components may not sum due to rounding. Retail Trade includes Restaurants, Financial Activities includes Real Estate.

The Estimated Annual Impact Associated with Inadequate Wastewater Capacity to Support Anticipated Growth on Business Activity in Granbury
Results as of 2030 by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Jobs
Agriculture	-0.3 m	-0.1 m	-0.0 m	-1
Mining	-0.0 m	-0.0 m	-0.0 m	+0
Utilities	-0.7 m	-0.2 m	-0.1 m	-0
Construction	-0.3 m	-0.1 m	-0.1 m	-2
Manufacturing	-0.2 m	-0.1 m	-0.0 m	-0
Wholesale Trade	-0.1 m	-0.1 m	-0.0 m	-0
Retail Trade*	-13.4 m	-9.3 m	-5.3 m	-167
Transportation & Warehousing	-0.2 m	-0.1 m	-0.1 m	-1
Information	-0.1 m	-0.1 m	-0.0 m	-0
Financial Activities*	-10.4 m	-3.0 m	-0.7 m	-6
Business Services	-0.3 m	-0.2 m	-0.2 m	-2
Health Services	-13.7 m	-8.5 m	-7.2 m	-109
Other Services	-4.3 m	-2.4 m	-1.8 m	-35
Total, All Industries	-43.9 m	-24.2 m	-15.6 m	-324

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in millions of 2021 US dollars per year. Components may not sum due to rounding. Retail Trade includes Restaurants, Financial Activities includes Real Estate.

The Estimated Annual Impact Associated with Inadequate Wastewater Capacity to Support Anticipated Growth on Business Activity in Hood County

Results as of 2035 by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Jobs
Agriculture	-3.3 m	-0.8 m	-0.6 m	-8
Mining	-0.1 m	-0.0 m	-0.0 m	+0
Utilities	-6.5 m	-1.5 m	-0.7 m	-2
Construction	-3.1 m	-1.6 m	-1.4 m	-17
Manufacturing	-3.7 m	-1.3 m	-0.8 m	-10
Wholesale Trade	-1.5 m	-1.0 m	-0.6 m	-6
Retail Trade*	-32.3 m	-23.3 m	-13.4 m	-401
Transportation & Warehousing	-1.8 m	-1.3 m	-0.8 m	-10
Information	-1.1 m	-0.7 m	-0.3 m	-2
Financial Activities*	-27.2 m	-8.5 m	-2.5 m	-22
Business Services	-3.9 m	-2.4 m	-1.9 m	-22
Health Services	-24.7 m	-15.4 m	-13.0 m	-197
Other Services	-11.6 m	-6.4 m	-4.9 m	-100
Total, All Industries	-120.8 m	-64.2 m	-40.7 m	-796

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in millions of 2021 US dollars per year. Components may not sum due to rounding. Retail Trade includes Restaurants, Financial Activities includes Real Estate.

The Estimated Annual Impact Associated with Inadequate Wastewater Capacity to Support Anticipated Growth on Business Activity in Granbury

Results as of 2035 by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Jobs
Agriculture	-0.4 m	-0.1 m	-0.1 m	-1
Mining	-0.0 m	-0.0 m	-0.0 m	+0
Utilities	-1.1 m	-0.2 m	-0.1 m	-0
Construction	-0.4 m	-0.2 m	-0.2 m	-2
Manufacturing	-0.3 m	-0.1 m	-0.1 m	-1
Wholesale Trade	-0.2 m	-0.1 m	-0.1 m	-1
Retail Trade*	-18.5 m	-13.0 m	-7.4 m	-231
Transportation & Warehousing	-0.3 m	-0.2 m	-0.1 m	-2
Information	-0.1 m	-0.1 m	-0.0 m	-0
Financial Activities*	-15.0 m	-4.4 m	-1.1 m	-9
Business Services	-0.5 m	-0.3 m	-0.2 m	-3
Health Services	-20.8 m	-12.9 m	-10.9 m	-166
Other Services	-6.0 m	-3.4 m	-2.5 m	-49
Total, All Industries	-63.5 m	-35.0 m	-22.8 m	-465

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in millions of 2021 US dollars per year. Components may not sum due to rounding. Retail Trade includes Restaurants, Financial Activities includes Real Estate.

The Estimated Annual Impact Associated with Inadequate Wastewater Capacity to Support Anticipated Growth on Business Activity in Hood County

Results as of 2040 by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Jobs
Agriculture	-4.2 m	-1.1 m	-0.7 m	-11
Mining	-0.2 m	-0.0 m	-0.0 m	+0
Utilities	-8.4 m	-1.9 m	-0.8 m	-3
Construction	-4.1 m	-2.1 m	-1.8 m	-23
Manufacturing	-4.8 m	-1.7 m	-1.0 m	-12
Wholesale Trade	-1.9 m	-1.3 m	-0.7 m	-8
Retail Trade*	-41.2 m	-29.8 m	-17.1 m	-511
Transportation & Warehousing	-2.4 m	-1.6 m	-1.1 m	-14
Information	-1.4 m	-0.9 m	-0.4 m	-3
Financial Activities*	-35.2 m	-11.0 m	-3.2 m	-28
Business Services	-5.1 m	-3.1 m	-2.5 m	-28
Health Services	-32.6 m	-20.3 m	-17.2 m	-261
Other Services	-14.9 m	-8.2 m	-6.3 m	-128
Total, All Industries	-156.3 m	-83.0 m	-52.8 m	-1,029

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in millions of 2021 US dollars per year. Components may not sum due to rounding. Retail Trade includes Restaurants, Financial Activities includes Real Estate.

The Estimated Annual Impact Associated with Inadequate Wastewater Capacity to Support Anticipated Growth on Business Activity in Granbury

Results as of 2040 by Industry

Industry	Total Expenditures	Gross Product	Personal Income	Jobs
Agriculture	-0.5 m	-0.1 m	-0.1 m	-1
Mining	-0.0 m	-0.0 m	-0.0 m	+0
Utilities	-1.4 m	-0.3 m	-0.1 m	-1
Construction	-0.5 m	-0.3 m	-0.2 m	-3
Manufacturing	-0.4 m	-0.1 m	-0.1 m	-1
Wholesale Trade	-0.2 m	-0.1 m	-0.1 m	-1
Retail Trade*	-23.3 m	-16.4 m	-9.4 m	-291
Transportation & Warehousing	-0.4 m	-0.3 m	-0.2 m	-2
Information	-0.2 m	-0.1 m	-0.0 m	-0
Financial Activities*	-19.5 m	-5.6 m	-1.4 m	-11
Business Services	-0.6 m	-0.4 m	-0.3 m	-4
Health Services	-27.6 m	-17.2 m	-14.5 m	-220
Other Services	-7.6 m	-4.4 m	-3.2 m	-62
Total, All Industries	-82.1 m	-45.3 m	-29.6 m	-597

Source: US Multi-Regional Impact Assessment System, The Perryman Group

Notes: Monetary values given in millions of 2021 US dollars per year. Components may not sum due to rounding. Retail Trade includes Restaurants, Financial Activities includes Real Estate.