



City of Albuquerque
Drainage Impact Fee Study
Findings

Presented to:
Albuquerque City Council
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Study Team

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Today's Topics

- Review of Study Methodology
- Presentation of Results



Methodology

- Based on projects from existing drainage plans
- Removed projects that were:
 - Non-City Projects
 - Rehabilitation Projects
 - Projects that are no longer needed
- Updated cost estimates to 2004 values
- Established service areas that met the nexus principle



Methodology - continued

- Calculated the full-marginal cost of growth
- Excluded on-site/within development projects from the fee calculation
- Acquired and used Council Adopted Land Use assumptions



Methodology – final

- Assigned Drainage Projects to Service Areas based on City Grid Coding
- Assigned project costs based on Service Area boundaries
- Calculated Impact Fees based on Projected Growth (service units) in each Service Area



Drainage Service Area Selection

- Joint Process with City staff and IUG.
- Based on hydrologic planning areas and large outfalls to river.
- Allowed systematic assignment of project costs to developing areas.
- Reduced cost allocation problems compared to smaller service areas.



Service Unit Definition

- One drainage service unit is one impervious acre.



Level of Service

- 100-year flood protection for major structures and conveyance.



What are the costs of growth?

- Costs for capital projects necessary to serve new customers.

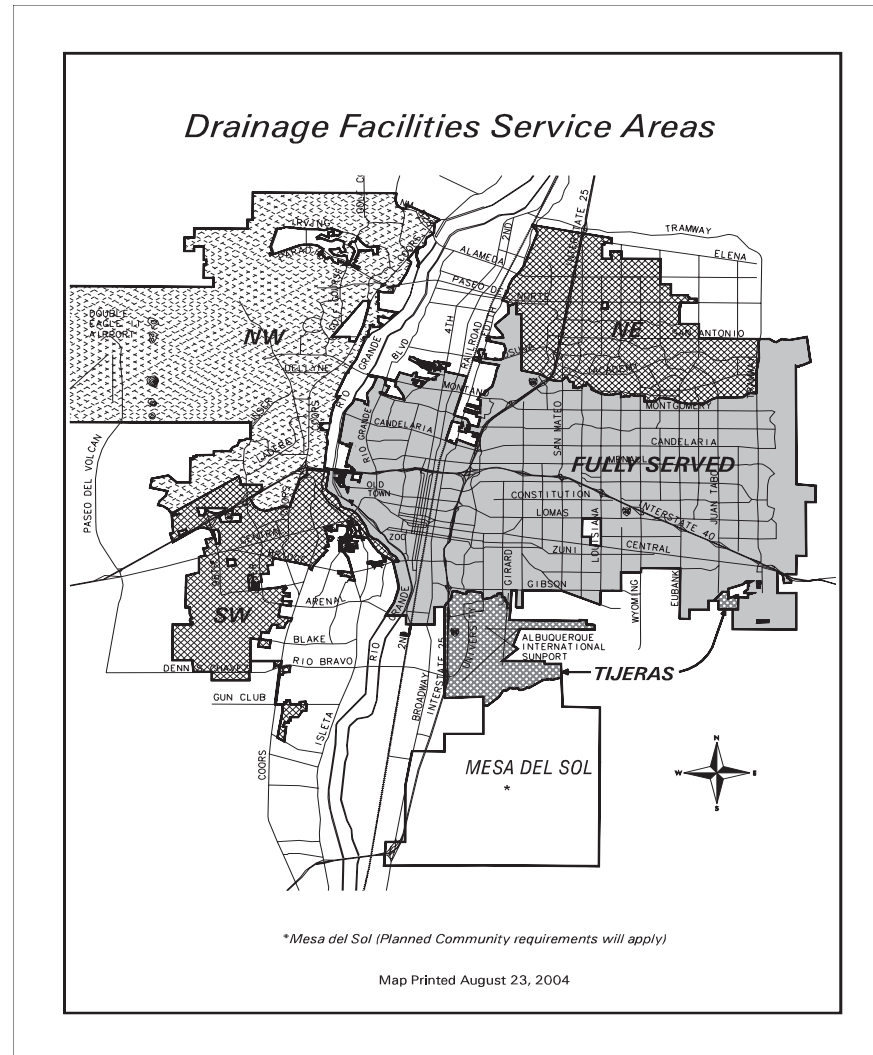


Growth-related Capital Costs

- Capital costs from the City's culled project lists.
- New projects assigned to one service area only.
- Capital costs were updated to June 2004.
- Credit will be given to constructing an AMAFCA project that is also on City drainage facilities Impact Fee CIP list.



Service Areas



Service Area Information

Service Area	Basin Area (acres)	Total Cost of Projects to 2025 (2004 \$)
Northwest	15,490	\$ 62,237,473
Far Northeast	11,753	\$ 15,044,434
Fully Served	40,250	\$ 0
Southwest	9,021	\$ 35,393,166
Tijeras	2,611	\$ 2,933,604



Calculated Drainage Fees

Service Area Name	Drainage Impact Fee per SU (impervious acre)
Northwest	\$ 15,896
Far Northeast	\$ 10,207
Southwest	\$ 12,836
Tijeras	\$ 13,290



Example Residential Fee Calculation

- Service Units (SU) = Total Area x Impervious Factor.
- With a density of 5 units per acre, the impervious factor is 0.73.
- For each acre of development you get 0.73 acre of impervious area, or, 0.73 acre of Service Units per total acre.



Example Residential Fee Calculation

- This means that you have 0.73 of a Service Unit @ 5 houses per acre, or 0.146 Service Unit per house.
- If the impact fee is \$12,000 per SU, the fee per house is: $(0.146 \times \$12,000) = \$1,752$.



A close-up photograph of a water droplet hitting a surface, creating concentric ripples that spread outwards. The water is a deep blue color, and the lighting creates bright highlights on the ripples.

Questions?

IUG

INTEGRATED UTILITIES GROUP, INC.

