ASLA Austin | CodeNEXT

Integrate Nature and City
into
Compact and Connected

Imagine Austin's Promise

Integrate green infrastructure elements such as the urban forest, gardens, green buildings, stormwater treatment, and infiltration facilities and green streets into the urban design of the city through "green" development practices and regulations. LUT P34

Austin's Environmental Legacy

Austin's Environmental Legacy

Compact and Connected: Manhattan

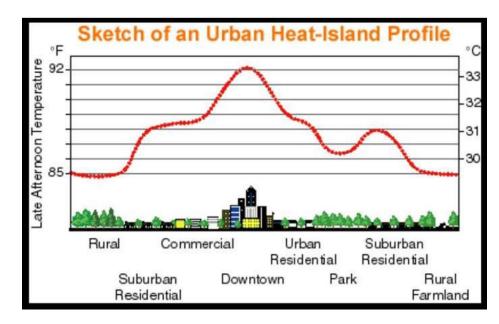## Vision for Integrating Nature into the City

Compact and Connected: Austin
Early Attempts at Integrating Nature into the City

Concerns for Austin's Future: Loss of Tree Canopy
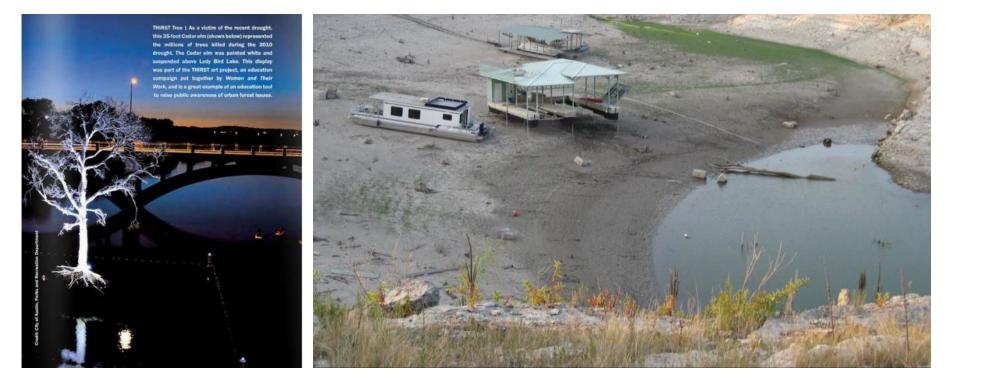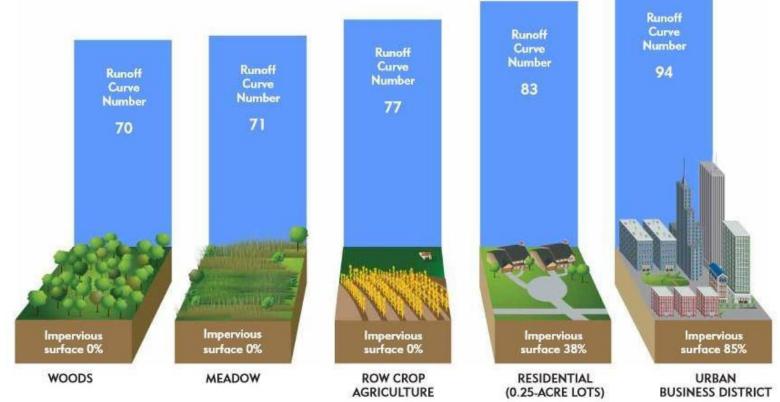
Concerns for Austin's Future: Urban Heat Island

Concerns for Austin's Future: Pollution

Concerns for Austin's Future: Drought

THIRST Tree | As a victim of the recent drought, this 35-foot Cedar elm (shown below) represented the millions of trees killed during the 2010 drought. The Cedar elm was painted white and suspended above Lady Bird Lake. This display was part of the THIRST art project, an education campaign put together by Women and Their Work, and is a great example of an education tool to raise public awareness of urban forest issues.

Credit: City of Austin, Parks and Recreation Department

Concerns for Austin's Future: Urban Runoff

Runoff Curve Number 70 — Impervious surface 0% — WOODS

Runoff Curve Number 71 — Impervious surface 0% — MEADOW

Runoff Curve Number 77 — Impervious surface 0% — ROW CROP AGRICULTURE

Runoff Curve Number 83 — Impervious surface 38% — RESIDENTIAL (0.25-ACRE LOTS)

Runoff Curve Number 94 — Impervious surface 85% — URBAN BUSINESS DISTRICT

Concerns for Austin's Future: Flooding

Concerns for Austin's Future: Climate Change Projections

Toward a Climate-Resilient Austin: May 1, 2014) Report to Council

Category	Current	Projected*
Avg. annual temps		+ 9 to 10°
Summer avg. high temp.	94°	98 - 103°
No. summer days over 100°F	13	35 - 80
No. summer days over 110°F	0 (rare)	1 - 20
Annual avg. precipitation	32"	32-33"
No. days/year > 2" rainfall	2	3
Max. 5 day rainfall	6"	8"
Max. consecutive dry days (no precip.)	52	70 - 75

* Projected by end of this century (2071-2100).

Source: http://www.austintexas.gov/sites/default/files/files/Sustainability/Climate/Toward_a_Climate_Resilient_Austin.pdf

Solutions: Landscape Urbanism

Green Code: Seattle Green Factor

Pre-Settlement Conditions Historical Urban Development Urban Greening

Green Code: Seattle Green Factor

Results: Balanced Built Form

Results: Balanced Built Form

Results: Balanced Built Form

Recommendation: Adopt an Ecological Systems Based Approach to CodeNEXT

- Place the same importance on Nature and City as on Compact and Connected as in *Imagine Austin*
- Infuse the new code with sustainable development as in other precedent "Green Codes"
- Drill down into the new code with green elements - from zoning regulations, to environmental criteria, to design guidelines

ASLA Austin CodeNEXT Committee Members

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Link to ASLA's CodeNEXT Issue Paper
http://www.austintexas.gov/department/viewpoints
under Submittals, ASLA