CH
02-04-2010
Item No.4

A RESOLUTION 2010-02-04-0007R

ENDORSING AND ENHANCING THE MISSION VERDE PLAN

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WHEREAS, we live in a world of volatile energy prices, increasingly scarce resources, vigorous world competition, significant environmental degradation and technological innovation; and

WHEREAS, sustainability addresses the intertwined economic, environmental, and equity issues of a community; and

WHEREAS, "Mission Verde" was supported by the City Council in the January 28, 2009, B Session as a strategic vision for sustainability for the City of San Antonio; and

WHEREAS, the initial Mission Verde plan was based on close study of the economic opportunities, costs, and challenges that San Antonio faces in transitio ning toward a green economy; and

WHEREAS, sustainable policies and programs consider both the internal and external costs and benefits related to the economy, the environment and society -- the three elements of "triple bottom line" decisions; and

WHEREAS, air, water, soil conservation and protection help the City stay in compliance with the law and promote the general health and well-being of the community; and

WHEREAS, energy and cultural value embodied in the historic heritage and infrastructure of the City should be respected and preserved; and

WHEREAS, Mission Verde must not be static but contain elements that can grow over time as well as respond to changing conditions in order to make San Antonio more sustainable, self-reliant and resilient; and

WHEREAS, the comprehensive Mission Verde approach addresses the sustainability of the entire city and seeks to integrate and reinforce contributions from various elements of the City and community toward greater overall economic development, efficient use of resources, and public and environmental health; **NOW THEREFORE,**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SAN ANTONIO:

SECTION 1. City Organizational Responsibilities. All City departments, agencies, grantees, and units should, to the best of their abilities and within the resources available, bring forward to Council and implement recommendations, proposals and policies (including budget proposals, ordinances, and proposed legislation) that advance sustainability and conservation in the city, consistent with the principles set forth in this resolution and in the Mission Verde report presented to the Council on January 28, 2009.

(a) The Office of Environmental Policy (OEP) should serve as a clearinghouse for tracking and monitoring progress across all City departments and subunits.
(b) OEP should be responsible for reporting to the Council annually regarding progress of City departments and the community toward sustainability and the goals of Mission Verde.
(c) City utilities are encouraged to consider and adopt resolutions in support of sustainability and the goals of Mission Verde. Each utility's Board and staff are responsible for identifying beneficial and efficient utility system design and should consider how to best assist the City in meeting sustainability goals and coordinate with the OEP.

SECTION 2. Energy and Water. The City should pursue sustainability policies related to energy and water, whether they are used in the residential, commercial, industrial or transportation sectors.

(a) Energy and water should be conserved and used efficiently so that the minimum use and maximum benefit result.
(b) Clean, renewable sources of energy and water should be used wherever possible.
(c) To benefit the transmission and the reliability of the systems, distributed sources of energy and water should be developed where feasible and practical.
(d) Protection and storage of energy and water are basic to sustainability of these resources.
(e) The distribution systems for energy and water should be "smart" to efficiently balance sources, loads and storage, monitor and maintain integrity, and permit dynamic demand management.
(f) The generation and use of energy and water should strive for minimal environmental impact.

SECTION 3. Green Economy. The City should promote the development of clean and green technology development through the following actions:

(a) The City of San Antonio should work toward the development of policies and initiatives that promote the creation of green jobs and green markets; and
(b) The City of San Antonio should design, adopt, and implement economic development strategies to build a sustainable economy.

SECTION 4. Sustainable Buildings and Neighborhoods. The City should continue to improve on and advance development of sustainable buildings and neighborhoods, as follows:

(a) City departments should coordinate with community interests to actively implement sustainable building codes for residential and commercial construction with the goal of zero net carbon for new buildings and residences by 2030.
(b) The City should encourage programs and incentives for existing buildings and neighborhoods intended to improve the performance and value of the built environment as well as to improve the health of the residents and businesses.
(c) The City should encourage the rehabilitation and reuse of existing and historic buildings to extend the life cycle of built resources, promote reinvestment in more culturally and socially diverse neighborhoods, save resources from being used in new construction, keep significant construction waste out of landfills and contribute to the green economy through local job creation.

SECTION 5. Sustainable Transportation and Land Use. The City should adopt a comprehensive policy approach and strategy for sustainable transportation and enhanced mobility.

(a) The City should work with its partners to create an integrated, efficient, multi-modal surface transportation system, including vehicle, bus, and rail transit, "complete" streets and intersections, pedestrian and bicycle routes and trails, intelligent transportation and goods movement systems that integrates land use and development.
(b) The transportation system should promote efficient land use, active living, optimized transportation choices, reduced environmental impacts, and a productive economy.
(c) The City should encourage attractive, affordable, environmentally-friendly, mixed-use real-estate development, including transit-oriented, compact, safe and walkable urban neighborhoods.
(d) Transportation system planning should include the use of alternative fuels and the electrification of transportation, telecommuting, and other strategies to reduce the city's dependence on fossil fuel and to reduce vehicle miles traveled.
(e) All City departments should support a transportation system that provides direct routes and multiple travel modes while respecting differences in the character of neighborhoods.
(f) The City should support the clean and efficient transportation of people and goods to and from other cities.

SECTION 6. Community Outreach. The City of San Antonio should continue to promote community outreach, education and awareness with respect to sustainability and conservation.

(a) The communication, education and outreach capabilities of all City departments and the community should be used to help promote sustainability.
(b) The City should be proactive in the formation of technologically advanced and creative channels of communication to advance sustainability.
(c) The City should develop virtual green resources, such as a "one-stop" website, to assist in the coordination of sustainability efforts and provide information to residents and businesses.
(d) The City should work with its partners to develop assets, models, and demonstration projects that promote green workforce training, education, awareness and other actions relating to sustainability, conservation, and efficiency.

SECTION 7. Lead by Example. All City departments, agencies, grantees, and units should make all efforts to lead by example on sustainability and resource efficiency across all City facilities, operations, services, and products, including developing proposals and initiatives to maximize the energy and water efficiency of all City facilities.

SECTION 8. Comprehensive Policy Approach. The City of San Antonio should adopt comprehensive policies and strategies for promoting the efficient and ecologically appropriate use of natural resources.

(a) The City should adopt policies and initiatives to address waste prevention, reduction, and recycling as well as its productive use.

(b) The City should encourage the proper management and reduction of storm water runoff, protection of water resources from point and non-point pollutants, and low-impact land development.

(c) The City should pursue initiatives that improve the general urban environment including highly reflective roofs and shade structures as well as the strategic use of vegetative materials, such as the expansion of the urban tree cover and the preservation of green space.

(d) The City should encourage the consumption of locally produced food to promote self-sufficiency and healthy communities, and reduce transportation impacts and economic imports.

SECTION 9. It is the sense and intent of the City Council that the policies, goals, and objectives stated in the provisions of Sections 2 thru 8, inclusive, of this Resolution shall be pursued and implemented wherever, whenever, and to the greatest extent possible; but shall not bind or be binding upon this or any future City Council with regard to any subsequent City Council actions.

SECTION 10: This ordinance shall be effective immediately upon passage by eight affirmative votes; otherwise it shall be effective on the tenth day after passage hereof.

PASSED and APPROVED this 4th day of February, 2010.

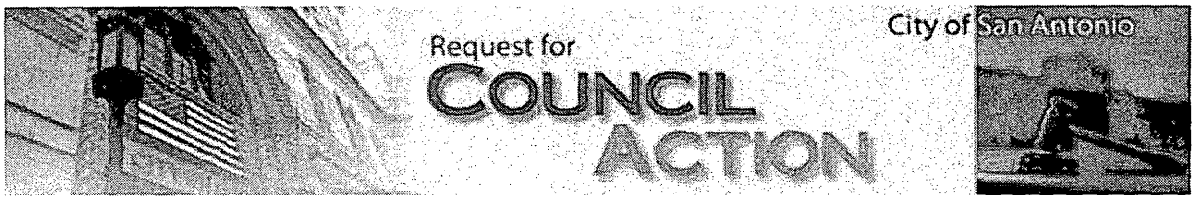
M A Y O R
Julián Castro

ATTEST:

Leticia M. Vacek, City Clerk

APPROVED AS TO FORM:

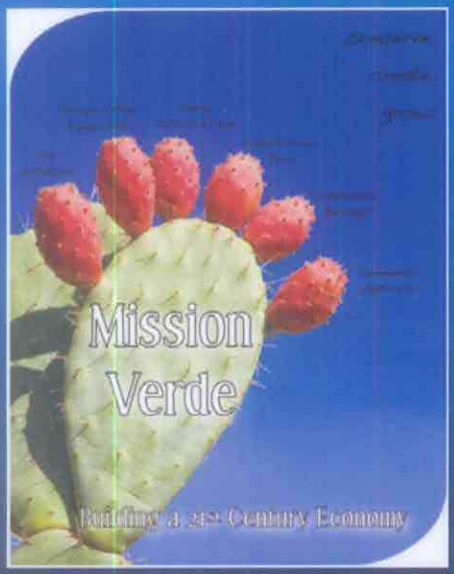
for Michael D. Bernard, City Attorney



Agenda Voting Results - 4

Name:	4
Date:	02/04/2010
Time:	10:49:59 AM
Vote Type:	Motion to Approve
Description:	A Resolution adopting the City of San Antonio "Mission Verde" Sustainability Strategy. [Richard Varn, Chief Information Officer; Laurence Doxsey, Director, Office of Environmental Policy]
Result:	Passed

Voter	Group	Not Present	Yea	Nay	Abstain	Motion	Second
Julián Castro	Mayor		x				
Mary Alice P. Cisneros	District 1		x			x	
Ivy R. Taylor	District 2		x				
Jennifer V. Ramos	District 3		x				
Philip A. Cortez	District 4		x				
David Medina Jr.	District 5	x					
Ray Lopez	District 6		x				
Justin Rodriguez	District 7		x				x
W. Reed Williams	District 8	x					
Elisa Chan	District 9		x				
John G. Clamp	District 10		x				



Mission Verde Resolution

Agenda Item # 4
February 4, 2010

Summary

- City Council adoption of Mission Verde resolution is requested
- Mission Verde sustainability plan was presented in January 28, 2009, B Session, but not formally adopted by the City Council
- Councilwoman Mary Alice Cisneros has suggested adoption of Mission Verde
- Adoption of the resolution would clarify and reinforce City policy
- The resolution includes some additional sustainability elements and enhances others

Original Mission Verde Initiatives

1. Creation of 21st Century Energy Infrastructure	2. Multi-Tech Double Bottom Line Venture Capital Fund
3. Green Jobs Program	4. Economic development strategies
5. Green Building Code for New Construction	6. Green Retrofit Program
7. Transportation	8. Sustainable Real Estate Development
9. Green One-Stop Center	10. City of San Antonio initiatives

Proposed Enhancements/Additions

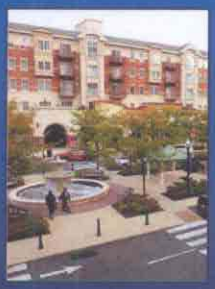
- Water conservation and efficient use
- Waste reduction, recycling and re-use
- Clean, alternative transportation fuels, including electrification
- Low-impact development
- Historic preservation and compact, in-fill development
- Tree cover, green space, reflective roofs and shade structures
- Locally-produced food

Proposed Resolution

1. City Organizational Responsibilities
   - All City units to participate within resources available
   - Office of Environmental Policy (OEP) - tracking and monitoring
   - OEP - annual report to Council
   - City utilities are encouraged to assist and coordinate
2. Energy and Water
   - Minimum use and maximum benefit
   - Clean, renewable sources whenever possible
   - Distributed sources where feasible and practical
   - "Smart" systems to:
     - balance loads, sources and storage
     - monitor and maintain integrity
     - permit dynamic demand management
   - Strive for minimal environmental impact

Proposed Resolution (continued)

3. Green Economy
   - Policies and initiatives for green jobs and markets
   - Economic development policies for sustainable economy
4. Sustainable Buildings and Neighborhoods
   - Building code improvements leading to net zero carbon in 2030
   - Performance and value of built environment
   - Health of residents and businesses
   - Rehabilitation and reuse of existing buildings



Proposed Resolution (continued)

5. Sustainable Transportation and Land Use
   - Integrated, efficient, multi-modal surface transportation system
   - Efficient land use, active living, transportation choices, minimal environmental impacts and productive economy
   - Attractive, affordable, environmentally-friendly, mixed-use real estate development
   - Alternative fuels and electrification of transportation, telecommuting, etc. to reduce vehicle miles of travel and oil dependence
   - Direct routes and multiple modes while respecting neighborhood character
   - Clean and efficient travel to/from other cities

Proposed Resolution (continued)

6. Community Outreach
   - Use existing communication, education and outreach capabilities to promote sustainability
   - Proactive in advanced and creative communications channels
   - Virtual green resources for coordination and information
   - Partnerships for green workforce and sustainability
7. Lead by Example
   - All City departments, agencies, grantees and units
   - Facilities, operations, services and products

Proposed Resolution (continued)

8. Comprehensive Policy Approach City
   - Waste prevention, reduction, recycling and productive use
   - Storm water
     - Management and reduction
     - Point and non-point pollutants
     - Low-impact land development
   - General urban environment
     - Highly reflective roofs and shade structures
     - Strategic use of vegetative materials, tree cover, green space
   - Locally-produced food

Impacts

- City government will see continued reductions in:
  - Energy consumption
  - Water consumption
  - Greenhouse gas emissions
  - Utility costs
- The City will be seen as a model and leader in sustainability in the community and outside the community
- Weatherization and other community-focused programs will also reduce the demand for energy and water while freeing up disposable income
- Available grants and City investment will stimulate local "green" workforce training, "green" jobs and related sustainable industry growth

Alternatives

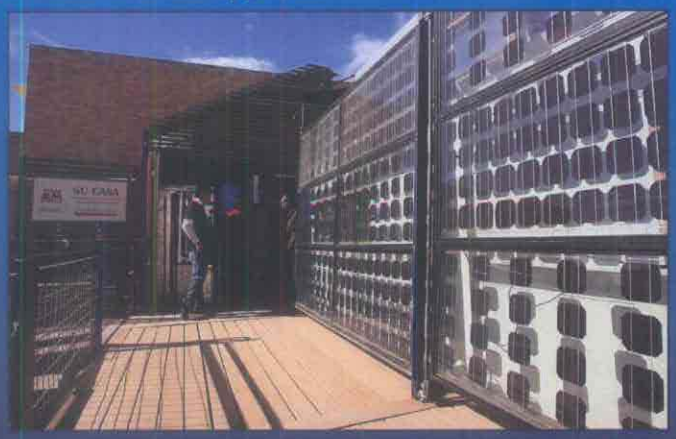
- Passing no resolution
- Passing the resolution as presented
- Passing an alternative resolution

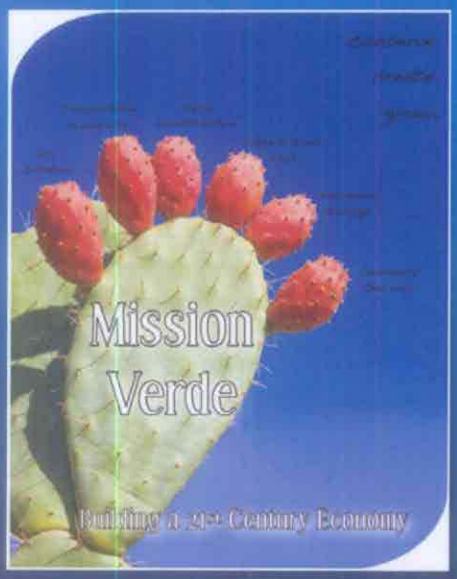
Fiscal Impact

- This resolution does not have a direct financial impact
- Mission Verde enables the City to secure federal and State grants to be used to reduce the City's utility and fuel costs

Recommendation

- Staff recommends approval





Mission Verde
Actions to Date

Initiative #1: *Build a 21st Century urban energy infrastructure in San Antonio*

- Completed/In Progress: (CPS Energy is primary lead)
  - CPS Energy Save for Tomorrow Energy Plan (STEP)
  - CPS Energy Windtricity
  - San Antonio: Leading the Way Forward to the Third Industrial Revolution Report (Jeremy Rifkin)
  - Advanced Meter Initiative
  - CPS Energy Solar Power Purchase
- Planned:
  - Installation of solar photovoltaic installations on City facilities
  - CPS Energy Solartricity Producer

Initiative #2: *Create a multi-tech venture capital fund in San Antonio*

- Completed:
  - Feasibility Study completed (City portion)
  - Fund Managers selected
- Planned:
  - Fund implementation pending private financing (handled by Fund Manager)

Initiative #3: *Create a Green Jobs Program in San Antonio*

- Completed:
  - Council for Adult and Experiential Learning (CAEL) Green Jobs Report
  - Mission Verde Center at Cooper
  - Green Jobs Leadership Council
  - Partnership with Alamo Colleges for courses in weatherization, solar energy, irrigation systems, green building, energy auditing, etc.
- Planned:
  - Expanding role of Mission Verde Center
  - Analysis and direction from Green Jobs Leadership Council

Initiative #4 : *Use the City's economic development strategies to foster development of a 21st Century sustainable economy*

- Completed/In Progress:
  - Economic Development incentive Fund and Tax Abatement Policies support Green Technology
  - Extra incentives available for improvements that receive green building certifications
- Planned:
  - Sustainable Economic Development Tool

Initiative # 5: *Adopt a green, high-performance building code for new residential and commercial construction*

- Completed:
  - On March 12, 2009, City Council adopted changes to energy and water codes for new buildings that require energy reduction measure of 15% below existing code. This will be reviewed for potential increase to 30% below former code by 2012. A goal of carbon neutral by 2030 was included. Became effective on January 1, 2010.
- Planned:
  - Code Update Process

Initiative #6: *Build a Green Retrofit Program for existing homes and buildings*

- Completed/In Progress:
  - Casa Verde SA Low Income Weatherization Assistance Program ($12.3M Federal through City)
  - CPS Energy Weatherization ($15M per year following Federal)
  - AACOG Weatherization Program ($14M Federal over 2 years)
- Planned:
  - Property Assessed Clean Energy Program (PACE)
  - City Lights Small Business Lighting Retrofit Program ($2.0M revolving loan Program)
  - Owner-Occupied Rehabilitation Rebate Program
  - Tree Planting Program

Initiative #7: *Create an integrated, efficient multi-modal transportation system for San Antonio*

- Completed/In Progress:
  - Mayor's Task Force on Sustainable Transportation provided recommendations
  - Streetcar Study
  - VIA Long Range Plan effort (Smartway SA)
  - Electric Vehicle (Plug in Ready) Task Force
- Planned:
  - Electric vehicle recharge stations
  - Establishment of electric vehicle conversion industry
  - Vehicle miles of travel (VMT) reduction programs (rideshare, carsharing, bicycle program enhancements,)
  - Sustainable Transportation Plan Support
  - Streetcar Grant Application
  - Conversion of 5 City vehicles to Plug In capability
  - Incentives for "green" commuting

Initiative #8: *Create new sustainable real estate development that is mixed-use, mixed income, walkable, and transit-oriented*

- Completed/In Progress:
  - Center City Office established
  - Update of Master Plan Policies
  - Form Based Codes
  - City South Overlay (calls for alternative development patterns)
- Planned:
  - Low Impact Development grant for Mission Library site
  - Sustainable Neighborhood Planning Tool

Initiative #9: *Create a Green One-Stop Center to coordinate sustainability efforts and to provide information to residents and businesses*

- Completed/In Progress:
  - Mission Verde Center established/opened
- Planned:
  - Additional Phases of program development at Mission Verde Center

Initiative #10: *Address sustainability and resource efficiency across City facilities and departments**

- Completed/In Progress:
  - City facility recycling
  - Use of recycled materials in pavements, parks, signs, etc.
  - Use of cleaner alternative fuels
  - Improved energy efficiency in vehicles, new facilities, HVAC, etc.
  - Employee bike sharing program
- Planned:
  - Fleet Environmental Policy
  - Solar power
  - Pervious pavements, low-water landscaping, etc.
  - Employee green awareness/education

*Details shown in report "Department Sustainability Initiatives"

Initiative #11: *Maximize the Energy Efficiency of all City Facilities**

- Completed/In Progress:
  - 113 of 114 high priority COSA facilities have had lighting audits with retrofits completed in 8 facilities
  - 58 of 114 high priority City facilities have had water audits with 53 retrofits completed
  - Comprehensive audits at Convention Center, Alamodome and Aviation facilities; financing for upgrades is being secured
  - !05 comprehensive audits of high priority City facilities
  - All Parks & Recreation, Library and Community facilities have been surveyed for energy savings through tree plantings
- Planned
  - Completion of audits and retrofits will annually save 20,000 MWhrs of electricity
  - 5.2 million gallons of water will be saved annually at facilities already retrofitted
  - 306 trees will be planted this season to save energy at 37 City facilities

*Details shown in report "Status of FY10 COSA Sustainability Audits and Upgrades"