

[Establishing City policy supporting Smart Grid technology and protocols for City electric systems.]

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Resolution establishing City policy supporting Smart Grid technology and protocols for City electric systems and urging the Public Utilities Commission to prepare a study to identify the most effective and economic means to implement smart grid technology.

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8 WHEREAS, New products and protocols are being developed to address the need for changes in the way electricity is produced and delivered; and

10 WHEREAS, New developments in the area of Smart Grid technology and protocols may provide significant improvements in energy delivery systems; and

12 WHEREAS, The federal government has addressed Smart Grid development in the National Energy Independence and Security Act, Section 1301 of Title XIII, signed in December 2007; and

15 WHEREAS, The California Energy Commission has initiated a study effort called *Defining the Pathway to the California Smart Grid of 2020*, in order to provide guidance for state policies on Smart Grid development; and

18 WHEREAS, Smart Grid technologies can integrate the delivery of electricity with information technology to provide increased control by end users and promote achievement of shared goals for the energy sector; and

21 WHEREAS, Some participants in the electric industry believe that the Smart Grid of the future will facilitate integration of renewable energy into the electric system, increased conservation and efficiency, reduced greenhouse gas emissions, higher reliability and lower system costs; and

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1 WHEREAS, Chapter 99 of the Administrative Code requires the City to examine the
feasibility of providing electric service to new developments; and

3 WHEREAS, Such studies should include analysis of implementing Smart Grid
technologies and protocols; and,

5 WHEREAS, The City should also consider how to best use Smart Grid technology and
protocols for existing electric service; now, therefore, be it

7 RESOLVED, That it shall be the policy of the City to adopt, to the maximum extent
feasible and cost-effective, Smart Grid technology in its electric transmission and distribution
facilities, including without limitation, facilities serving Treasure Island, and Hunters Point
Shipyard; and, be it,

11 FURTHER RESOLVED, That the Board of Supervisors urges the Public Utilities
Commission to, within six months of the effective date of this Resolution, produce a
comprehensive study of the most effective and economic means of implementing Smart Grid
technology that will: (i) facilitate improved management of electric usage and bills, (ii) improve
the reliability of electricity distribution, (iii) reduce peak electricity generation and (iv) reduce
the levels of carbon and other green house gas emissions associated with electricity use and
production; and, be it

18 FURTHER RESOLVED, That the Board of Supervisor's urges the San Francisco
Public Utilities Commission to review available Smart Grid technologies in the context of
maintaining, upgrading, designing and installing any portion of the City's electric transmission,
distribution and metering systems and to implement all such measures as are economically
and environmentally advantageous.

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