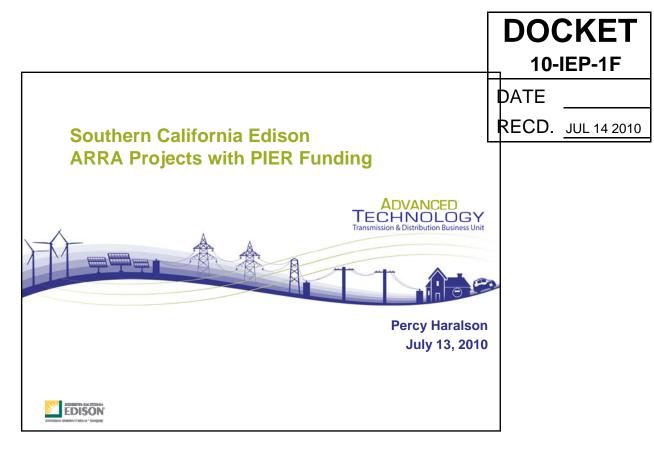
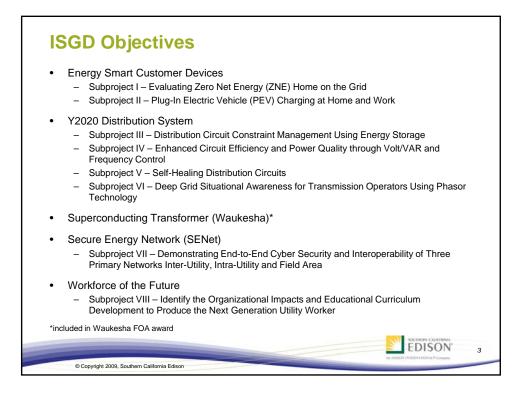
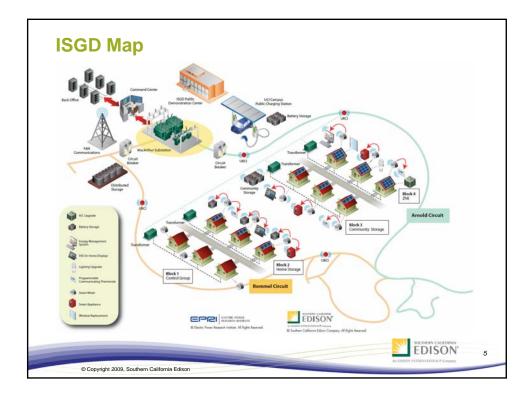
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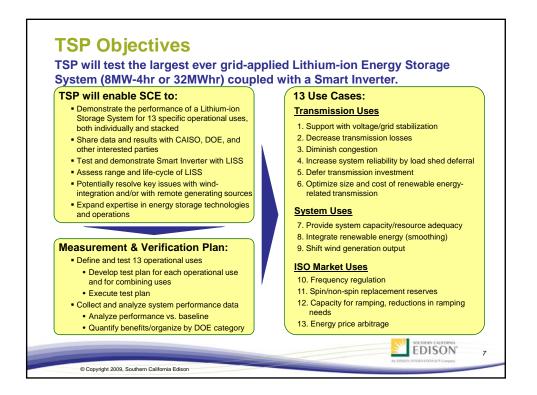
Awards:	Irvine Smart Grid Demonstration (ISGD)
Area of Interest:	Smart Grid Regional Demonstrations
Objectives:	Demonstrate an integrated, scalable Smart Grid system that includes all of the interlocking pieces of an end-to-end Smart Grid system - from the transmission and distribution systems to consumer applications like smart appliances and electric vehicles.
Project Size (\$):	\$80.2 million
DOE \$ Request:	\$40.1 million
Partner Cost Share:	\$12.2 million*
SCE Contribution:	\$27.9 million*
PIER Funding Requested:	\$1 million (for direct labor and overhead)



ISGD Partners
<ul> <li>Sub-Recipients:         <ul> <li>GE: Software, Telecom Engineering &amp; Field Equipment</li> <li>USC-ISI: Telecom &amp; Cyber-security Engineering</li> </ul> </li> </ul>
<ul> <li>Vendors: <ul> <li>Boeing: Software, System Integration &amp; Cyber-security</li> <li>GE: Software, Telecom Engineering &amp; Field Equipment</li> <li>EPRI: Measurement &amp; Reporting</li> <li>Itron: Technical Support</li> <li>SunPower: Solar Shades &amp; Residential PV</li> <li>UC Irvine: Measurement &amp; Reporting</li> <li>Cal Poly Pomona: Workforce Impact</li> <li>CSU Los Angeles: Workforce Impact</li> <li>A123 Systems: Lithium-ion Battery Technology</li> </ul> </li> </ul>
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Awards:	Tehachapi Wind Energy Storage Project (TSP)
Area of Interest:	Grid-Scale Energy Storage Demonstrations
Objectives:	Deploy and evaluate an 32 MWh utility-scale lithium-ion battery technology to improve grid performance and aid in the integration of wind generation into the electric supply.
Project Size (\$):	\$57.3 million
DOE \$ Request:	\$25 million
Partner Cost Share:	\$6.3 million
SCE Contribution:	\$26 million (\$2.4 million contingency)
PIER Funding Requested:	\$1 million (for direct labor and contractual)



TSP Partners
<ul> <li>Sub-Recipient:</li> <li>– A123 Systems: Lithium-ion Battery Technology</li> </ul>
<ul> <li>Vendors:</li> <li>– Cal Poly Pomona: Measurement and Valuation</li> <li>– Quanta Engineering: Analytical Support and Modeling</li> </ul>
<ul> <li>TSP Advisory Group:</li> <li>CAISO</li> <li>PG&amp;E</li> <li>Sempra Energy</li> <li>Idaho Power</li> <li>WECC</li> <li>UWIG</li> </ul>
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Prime Recipient:	Waukesha Electric Systems (WES)
Area of Award:	Smart Grid Regional Demonstrations
Objectives:	A prototype superconducting transformer with fault current limiting capabilities, which is expected to reduce the cost and size of substation equipment.
Project Size (\$):	\$21.7 million
DOE \$ Request:	\$10.7 million
Partner Contribution:	\$10.2 million
SCE Contribution:	\$0.8 million
PIER Funding Requested :	\$755,874 (for labor, equipment, and materials)

