



PRESENTATION TO THE PRESIDENT'S COMMISSION ON MOON, MARS AND BEYOND

Dr. Stanley G. Rosen, Chairman
Hon. Andrea Seastrand, Executive Director
CALIFORNIA SPACE AUTHORITY

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CALIFORNIA SPACE AUTHORITY

- CSA is a statewide non-profit organization providing Voice, Visibility, and Edge for the California Space Enterprise



CALIFORNIA SPACE AUTHORITY

- California Space Enterprise provides ~28% of the world's space goods and services
 - ~300,000 workers
 - >25,000 companies
 - Universities
 - NASA centers
 - Other federal labs and organizations



WHY GO? KEY THEMES

- Beyond exploration: Future operational potentials
- The next generation: Inspiration and motivation
- Our nation: Leadership and strength
- Global unity: Participating in expansion



CSA is Prepared to Help





SUMMARY OF RECOMMENDATIONS

- Refer to the initiative as “Moon, Mars, and Beyond”, not “Space Exploration Initiative”
- Recognize that the initiative is about opening a new frontier for human development
 - Investigate longer-term operational potentials beyond exploration
 - Focus on develop of lunar operational capability as next step
 - Leverage unique human ability to construct large-scale lunar facilities
 - Technology and infrastructure developments should also support longer-term operations
- Include considerations of all space sectors
 - Reconstitute the National Space Council
 - Strengthen Congressional space caucuses



SUMMARY OF RECOMMENDATIONS

- Leverage interest and excitement to strengthen our skilled workforce
 - Give students ability to participate in planning and implementation
 - Do not disappoint this generation of youth
- Strengthen U.S. leadership
 - Promote national pride and confidence
 - Use lunar-based facilities to strengthen national capabilities
- Improve international relationships
 - Provide participation opportunities
 - Stress outward expansion as unifying global theme
- Leverage CSA's ability to support the initiative