Pre-Bid Conference RFP-22-301 Technical Assistance for the Energy Research and Development Division (R&D Division)



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December 20, 2022

Energy Research and Development Division, California Energy Commission



Time	Items
10:00 am	 Welcome and Introduction Housekeeping Commitment to Diversity Empower Innovation EPIC Research & Development (EPIC R&D) Program PIER Gas Research & Development (Gas R&D) Program EPIC and Gas R&D Program Investments
10:10 am	Solicitation Purpose of Solicitation Available Funding Eligible Bidders Agreement Scope of Work
10:45 am	 Proposal Proposal Requirements Attachments Submission and Evaluation Process
11:00 am	Q&As
12:00 pm	Adjourn



- This workshop is being recorded.
- Participants will be muted during the presentation.
- Please chat your questions in the Q&A window.
- Additional questions can be submitted after the workshop to the commission agreement officer listed in the RFP.
- This presentation and other solicitation updates including Q&A will be posted on the CEC's Solicitations webpage when they are available, at https://www.energy.ca.gov/fundingopportunities/solicitations.



The California Energy Commission (CEC) adopted a resolution strengthening its commitment to diversity in our funding programs. The CEC encourages disadvantaged and underrepresented businesses and communities to engage in and benefit from our many programs.

To meet this commitment, CEC staff conduct outreach efforts and activities to:

- Engage with disadvantaged and underrepresented groups throughout the state.
- Notify potential new applicants about the Energy Commission's funding opportunities.
- Assist applicants in understanding how to apply for funding from the Energy Commission's programs.
- Survey participants to measure progress in diversity outreach efforts.



1 Minute Survey

The information supplied will be used for public reporting purposes to display anonymous overall attendance of diverse groups.

• Zoom participants, please use this link: https://forms.office.com/g/sgRPg4UBwG

Thanks!











Find a Partner on EmpowerInnovation.net

Empower Innovation strives to accelerate your clean tech journey with easy access to funding opportunities from the Energy Commission and other funding providers, curated resources and events, and connections to people and organizations.

FIND A PARTNER

Announce your interest in this funding opportunity and message other interested parties to find potential partners.

RESOURCES & TOOLS

Browse the collection of resources for clean tech innovators including Resource Libraries, Funding Sources, Tools, and Databases.

RFP on Empower Innovation:

https://www.empowerinnovation.net/en/custom/funding/view/36685





This video provides an introduction of what participants can gain from using the Empower Innovation site available at:

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EPIC R&D Program Background

The Electric Program Investment Charge (EPIC) R&D program is funded by an electricity ratepayer surcharge established by the California Public Utilities Commission (CPUC) in 2011 to benefit ratepayers of electric investor-owned utilities*

- EPIC program renewed for 10 years in 2020.
- Annual program funds total \$147 million.
- Projects must lead to technological advancement and breakthroughs to overcome barriers that prevent the achievement of the state's statutory energy goals.



* Pacific Gas and Electric Co., San Diego Gas and Electric Co., and Southern California Edison Co.



The Gas R&D Program is funded by a natural gas ratepayer surcharge established by the CPUC in 2004 to benefit the ratepayers of natural gas investor-owned utilities*.

- The purpose of the program is to benefit California gas ratepayers by funding public interest research and development activities, defined by the CPUC as "developing science or technology, the benefits of which accrues to California citizens and are not adequately addressed by competitive or regulated entities."
- Annual program funds total \$24 million.

* Pacific Gas and Electric Co., San Diego Gas and Electric Co., and Southern California Gas Co.



Bidders responding to this RFP may want to familiarize themselves with the following documents and web site:

- The Electric Program Investment Charge Proposed 2021-2025 Investment Plan (adopted) at:
 - https://www.energy.ca.gov/publications/2021/electric-program-investment-chargeproposed-2021-2025-investment-plan-epic-4
- Gas Research and Development Program Proposed Budget Plan for Fiscal Year 2022-23 (adopted) at:
 - https://www.energy.ca.gov/publications/2022/gas-research-and-developmentprogram-proposed-budget-plan-fiscal-year-2022-23
- Energize Innovation web site at:
 - o https://www.energizeinnovation.fund/



The purpose of this RFP is to hire an experienced, full-service contractor team to provide technical support services for the R&D Division's EPIC and Gas research programs.

- The CEC is seeking technical expertise regarding energy-related support activities in areas, including:
 - Agreement Management
 - Buildings End-Use Energy Efficiency
 - $\,\circ\,$ Industrial, Agriculture, and Water End-Use Energy Efficiency
 - Renewable Energy Technologies
 - Energy-Related Advanced Generation
 - Energy-Related Environmental Research
 - Energy Technology Systems Integration
 - Energy-Related Transportation
 - Market Facilitation
 - Cross-Cutting Program Support



- Up to \$6 million available for the Agreement (Contract) resulting from this RFP, with up to \$1 million immediately available in the executed Agreement. The balance of \$5 million will be available contingent upon approval of future funds authorized for the CEC.
- Match funds are <u>not</u> required or accepted for this RFP.
- This is an hourly rate plus cost reimbursement Agreement and the award will be made to the responsible Bidder receiving the highest points.
- This RFP will award <u>one</u> Agreement.



- This is an open solicitation for public and private entities.
- Each Bidder may submit only <u>one</u> proposal.
- Bidders must accept the EPIC and PIER Gas R&D terms and conditions.
 - Standard, UC, and DOE T&Cs available online: https://www.energy.ca.gov/funding-opportunities/funding-resources
- Bidders must be registered and in good standing with the California Secretary of State, to enter into an agreement with the CEC. Register online: https://bizfileonline.sos.ca.gov/



- Task 1: Agreement Management and General Project Tasks
- Task 2: Proposal Reviews
- Task 3: Project Final Report Editing and Formatting
- **Task 4:** Cross-Cutting Program Support Research Projects Planning and Evaluation, and Technical Support Activities
- **Task 5:** Cross-Cutting Program Support Event Planning and Management
- **Task 6:** Cross-Cutting Program Support Energy Research and Technology, and Technical Support Trainings



Task 1: Agreement Management and General Project Tasks

The goals of this task are the management, oversight, and administrative duties to be performed by the Contractor for this Agreement

- Agreement Management
- Work Authorizations project scope will vary for each work request
- Project Authorizations project scope is defined and will be essentially the same for each work request
- Task 1 budget cannot exceed 10 percent of the total amount of funds encumbered to the Agreement.



Task 1: Agreement Management and General Project Tasks

- **1.1** Deliverables
- **1.2** Kick-off Meeting
- 1.3 Critical Project Review (CPR) Meetings and Briefings
- 1.4 Final Meeting
- **1.5** Progress Reports and Invoices
- 1.6 Final Report
- **1.7** Subcontracts
- **1.8** Work Authorizations and Project Authorizations



Task 2: Proposal Reviews (Project Authorization)

The goal of this task is to review and evaluate project proposals submitted for R&D Program solicitations. **The Contractor** <u>will not score proposals</u>.

2.1 Prepare Technical Reviews

2.2 Evaluate Project Financing

• Some project proposal qualifications to be evaluated are:

- Technical merit and need, technical approach, impacts and benefits to California investor-owned utility ratepayers, team qualifications, technical and financial capabilities and resources, budget and cost effectiveness, loaded versus unloaded rates, and assessment of the company's financial strength and stability.
- Contractor must be familiar with the solicitation requirements, applicable program guiding documents such as investment plans, and applicable legislation.



Task 3: Project Final Report Editing and Formatting

(Project Authorization)

The goal of this task is to provide technical editing and formatting of project final reports that adhere to CEC requirements.

- Review, edit, and format energy research project final reports.
- Formatting to comply with required federal and state standards for digital accessibility compliance under Section 508 of the Rehabilitation Act of 1973, California Government Code Section 11546.7 (formerly AB 434), as well as adhering to CEC's guidelines for publishing on the CEC web site.
- Provide Updated Technical Guidance Documents, which includes instructions and examples for editors.



Task 4: Cross-Cutting Program Support – Research Projects Planning and Evaluation, and Technical Support Activities (Work Authorization)

The goal of this task is to provide a variety of technical support activities to assist ERDD's energy research programs to plan for, assess, complete, and disseminate results for projects.

- 4.1 Technical Review Assistance
- 4.2 Prepare Feasibility Studies

4.3 Appraisal, Removal, Storage and Transportation of Equipment

4.4 Develop and Edit Technical Reports and Outreach Materials



Task 5: Cross-Cutting Program Support – Event Planning and Management (Work Authorization)

The goal of this task is to plan, produce, and manage events on key topics affecting California's energy sector, including but not limited to annual symposiums, forums, and other stakeholder engagement workshops.

- 5.1 Plan Event
- 5.2 Develop and Distribute Event Materials
- 5.3 Plan Event Outreach
- 5.4 Execute Day-of-Event Activities
- 5.5 Manage Post-Event Activities



Task 6: Cross-Cutting Program Support – Energy Research and Technology, and Technical Support Trainings (Work Authorization)

The goal of this task is to provide industry expert training to CEC staff in various energy-related areas of applied research and development, energy technologies, environmental sciences, market analysis, and other program activities supporting clean energy systems.

- Design Training Presentation materials.
- Host and present training sessions.
- Develop an online training survey.



Each Bidder's Proposal shall consist of the following:

ADMINISTRATIVE RESPONSE

Contractor Status Form Darfur Contracting Act Form Disabled Veteran Business Enterprise Form Bidder Declaration form GSPD-05-105 Contractor Certification Clauses California-Based Entity Form Iran Contracting Act Form CA Civil Rights Laws Certification Small Business Certification TACPA Forms Attachment 1 Attachment 2 Attachment 3 Attachment 4 Attachment 5 Attachment 9, if applicable Attachment 10 Attachment 11 Attachment #, if applicable Attachment #, if applicable



Each Bidder's Proposal shall consist of the following:

TECHNICAL AND COST PROPOSAL

Part 1a Contractor Administrative Qualifications

Team Structure and Coordination Availability of Personnel Agreement Management Ability Quality Control Financial Stability Previous Work Products Personnel Resumes Client References

Part 1b Personnel Technical Qualifications

Personnel Technical Qualifications Form

Part 2 Cost Proposal

Budget Forms

Narrative and Organizational Chart Narrative Narrative Narrative Narrative Narrative and Example SOW Document Document Attachment 6

Attachment 8

Attachment 7, 7a, 7b



- <u>Stage One</u>: Administrative and Completeness Screening
 - $\circ~$ Must Pass to progress to Stage 2 ~
- <u>Stage Two</u>: Part I Technical Score
 - Part 1a Contractor Administrative Qualifications
 - Part 1b Personnel Technical Qualifications
- <u>Stage Two</u>: Part II Cost Score
 - Part 2 Cost Proposal
- Preference Points Applied to Passing Proposals Only
- Notice of Proposed Awards Proposals are Confidential until NOPA is posted on CEC website
- CEC Business Meeting Commission Approves Agreement
- Agreement Executed Department of General Services Final Approval



How will my Proposal be Evaluated? Proposal Administrative Screening

Admin Screening Process

- Energy Commission staff screens proposals per criteria in Section IV.
- Criteria are evaluated on a pass/fail basis.
- Bidders must pass all screening criteria, or the proposal will be disqualified.

Some Reasons for Disqualification

- Proposal is not submitted by the specified due date and time.
- The Bidder has included a statement that it will not accept the terms and conditions
- Proposal contains confidential material.



SCREENING CRITERIA	Pass/Fail
The Proposal must pass ALL criteria to progress to Stage Two	
 The proposal is received by the CEC's Contracts, Grants, and Loans Office by the due date and time specified in the "Key Activities Schedule" in Part I of this solicitation and is received in the required manner (e.g., no emails or faxes). 	□ Pass □ Fail
2. The Contractor Status Form (Attachment 1)	🗆 Pass 🛛 Fail
3. The Darfur Contracting Act (Attachment 2)	🗆 Pass 🛛 Fail
4. The Disabled Veteran Business Enterprise form (Attachment 3)	🗆 Pass 🛛 Fail
5. The Bidder Declaration Form (Attachment 4)	🗆 Pass 🛛 Fail
6. Contractor Certification Clauses (Attachment 5)	🗆 Pass 🛛 Fail
7. Iran Contracting Act Form (Attachment 10)	🗆 Pass 🛛 Fail
8. The California Civil Rights Laws Certification (Attachment 11)	□ Pass □ Fail



How will my Proposal be Evaluated? Proposal Technical and Cost Scoring

Review Section IV of the RFP Manual and ensure the proposal provides a clear and complete response to each scoring criteria.

- Evaluation Committee applies the scoring scale to the scoring criteria.
- Part 1a and 1b technical minimum passing score is 49 points of 70
- Part 2 cost maximum possible score is 30 points derived from the Budget Forms
- Proposals must obtain a <u>combined</u> technical and cost minimum passing score of 70 points of 100 for Criteria 1-3 in order to be considered for funding.

Scoring Criteria	Maximum Points
1. Part 1a Contractor Administrative Qualifications	10
2. Part 1b Personnel Technical Qualifications	60
3. Part 2 Cost Score	30
Total	100
Minimum Points to Pass	70



Refer to **Section IV Stage Two** in the RFP Manual for explanation of the percentage points.

% of Possible Points	Interpretation
0%	Not Responsive
10-30%	Minimally Responsive
40-60%	Inadequate
70%	Adequate
75%	Between Adequate and Good
80%	Good
85%	Between Good and Excellent
90%	Excellent
95%	Between Excellent and Exceptional
100%	Exceptional

How will my Proposal be Evaluated? Part 1a Contractor Administrative Qualifications Criteria

Bidder must respond to each criterion in the Evaluation Criteria table Part 1a Contractor Administrative Qualifications.

- 1. Team Structure and Coordination (Narrative and Organization Chart)
- 2. Availability of Personnel (Narrative)
- 3. Agreement Management Ability (Narrative)
- 4. Quality Control (Narrative)
- 5. Financial Stability (Narrative)
- 6. Previous Work Products (Narrative and Example SOW Document)
- 7. Personnel Resumes (Document)
- 8. Client Reference Forms (Attachment 6)

Review the RFP Manual, Section IV, for full requirements and descriptions of the contractor administrative qualifications evaluation criteria.

- Bidder must respond to each criterion in the Evaluation Criteria table Part 1b Personnel Technical Qualifications.
- These criteria are organized by nine (9) major Technical Areas (A through I) which consists of a relevant set of Areas of Expertise (AOE)s or sub-skill sets within each Technical Area.
- The Bidder is required to submit a Personnel Technical Qualifications Form Attachment 8 if assigning any personnel to an AOE.

Review the RFP Manual, Section IV, for full requirements and descriptions of the *Personnel Technical Qualifications* evaluation criteria.

Personnel Technical Qualifications Form (Attachment 8)

- The Personnel Technical Qualifications Form (Attachment 8) is designed to identify the personnel who are subject matter experts that the Bidder will assign to an Area of Expertise (AOE).
 - The Bidder shall submit one Attachment 8 Form for each person that is identified as a subject matter expert for each AOE
 - Identify a maximum of three personnel for each AOE
 - Personnel may be assigned to more than one AOE
- The Evaluation Committee will use the Evaluation Criteria table *Part 1b Personnel Technical Qualifications* to evaluate how well Bidders demonstrate how its proposed team of personnel can adequately cover the range of AOEs, as well as sufficiently meet the knowledge, skills, abilities, and experience needed to successfully perform the work for each AOE.

Areas of Expertise

Energy Efficiency

Area A. Buildings End-Use Energy Efficiency

- (1) Appliance, Office, and Consumer Electronics Technologies
- (2) Building Envelope
- (3) Lighting Technologies
- (4) Space Conditioning Technologies
- (5) Water Efficient Applications, Water Heating and Distribution Systems
- (6) Whole Building Energy Measurement, Simulation and Benchmarking, and Load Flexibility and Demand Response

Area B. Industrial, Agricultural, and Water End-Use Energy Efficiency

- (7) Industrial Energy Efficiency and Demand Reduction
- (8) Industrial and Agricultural Water Efficiency and Demand Reduction
- (9) Water Treatment: Potable and Wastewater
- (10) Carbon Management and Utilization

Areas of Expertise

Energy Generation

Area C. Renewable Energy Technologies

- (11) Biomass Electric Generation and Municipal Solid Waste (MSW) Technologies
- (12) Geothermal Energy and Lithium Recovery
- (13) Solar Photovoltaic and Thermal Electric Technologies
- (14) Wind Technologies
- (15) Renewable Energy Integration

Area D. Energy-Related Advanced Generation

- (16) Combined Cooling, Heating and Power (CCHP) Technologies and Applications
- (17) Fuel Cell Technologies
- (18) Gas Turbines (Micro and Small)
- (19) Hydrogen Production and Generation Technologies

Area E. Energy-Related Environmental Research

(20) Geologist: Geologic Storage of Carbon Dioxide

(21) Heat Transfer Specialist: Power Plant Cooling

Areas of Expertise

Energy Infrastructure

Area F. Energy Technology Systems Integration

(22) Demand Responsive Technologies and Systems
(23) Advanced Grid Technologies
(24) Zonal Electrification and Gas Decommissioning
(25) Transmission & Distribution (T&D) Technologies and Power Electronics
(26) Energy Storage Technologies and Grid Interconnection
(27) Gas Infrastructure Safety and Integrity
(28) Hydrogen Delivery and Storage
(29) Cybersecurity

Area G. Energy-Related Transportation

(30) Transportation Electrification

Areas of Expertise

Energy Deployment and Market Facilitation

Area H. Market Facilitation

- (31) Market Assessment
- (32) Technology Commercialization
- (33) Regional Economic Development
- (34) Workforce Training and Development for Clean Energy
- (35) Local Planning and Permitting
- (36) Technology Manufacturing

How will my Proposal be Evaluated? 1b Personnel Technical Qualifications

Areas of Expertise

Other Technical Support

Area I. Cross-Cutting Program Support

(37) Financial Consultant

- (38) Appraiser
- (39) Technical Editor and Formatter
- (40) Technical Writer
- (41) Equity Considerations
- (42) Graphic Designer and Video Producer
- (43) Webcast
- (44) Event Planner
- (45) Trainer

How will my Proposal be Evaluated? Part 2 Cost Score

Budget Forms (Attachment 7, 7a, 7b)

- The Evaluation Committee will score costs only for the Bidder's personnel who are included in the Budget forms.
- Bidder and subcontractors complete the following budget forms:
 - Budget Form Attachment 7 (Bidder & Subcontractors)
 - Budget Loaded Rate Calculator Attachment 7a (Bidder & Subcontractors)
 - Budget Rates Summary Attachment 7b (Bidder Only)
- Bidder combines contractor and subcontractor budget sheets into one budget proposal.
- Ensure that all rates provided are maximum rates for the entire agreement term.



How will my Proposal be Evaluated? Part 2 Cost Score

Average Loaded Hourly Rate

The score for this criterion will be derived from the cost formula specified in Section IV of this RFP, which is the cumulative average loaded hourly rate (ALHR) in the Bidder's Loaded-Rates Budget Form (Attachment 7a)

Ratio of Direct Labor and Fringe Benefit Rates to Loaded Labor Rates

The score for this criterion will be derived from the Rates Summary Budget Form (Attachment 7b), which compares the cumulative average direct labor and fringe benefits rates to the average loaded rates.

Review the RFP Manual, Section IV Evaluation Process and Criteria, for full definitions and requirements.

How will my Proposal be Evaluated? Preference Points

- Non-technical preference points are applied only to qualifying proposals that attain the combined technical and cost minimum passing score of 70 percent.
- Preference points include the following business participation programs:
 - Disabled Veteran Business Enterprise (DVBE) Incentive
 - Small Business/Microbusiness Preference
 - Non-Small Business Preference
 - California-Based Entities (CBE) Preference
 - Target Area Contract Preference Act (TACPA) Preference

Review the RFP manual, Section V, for full requirements.

How will my Proposal be Evaluated? Preference Points

Disable Veteran Business Enterprise (DVBE) Form

- This RFP is subject to a mandatory certified DVBE participation of at least three percent (3%).
- This requirement can be satisfied by the Bidder or certified DVBE subcontractor.
- Preference points are awarded for DVBE participation above 3%, with maximum preference points awarded at 7%.

DVBE Participation Level	DVBE Incentive Points
3.01% - 3.99%	1
4.00% - 4.99%	2
5.00% - 5.99%	3
6.00% - 6.99%	4
7.00% or over	5

Please refer to the solicitation manual, Section V for full requirements.



Small Business / Microbusiness

- Bidders who qualify as a State of California certified small business will receive five percent (5%) preference points based on the highest responsible bidder's total score, if the highest scored proposal is submitted by a business other than a certified small business.
- Bidders qualifying for this preference must submit a copy of their Small Business Certification and document their status in Attachment 1, Contractor Status Form.



Non-Small Business

- The preference to a non-small business Bidder that commits to small business or microbusiness Subcontractor participation of twenty-five percent (25%) of its net Bid price will receive five percent (5%) preference points based on the highest responsible bidder's total score, if the highest scored proposal is submitted by a business other than a certified small business.
- A non-small business that qualifies for this preference may not take an award away from a certified small business.



California-Based Entities (CBE)

 Projects that maximize the spending of CEC funds on CBEs will receive a maximum of 5 preference points

Percentage of Gas R&D Funds Allocated to CBEs up to \$400,000 (derived from CBE Form Attachment 9)	Percentage of Possible Points (maximum of 5 preference points)
<u>></u> 60%	20%
> 70%	40%
> 80%	60%
> 90%	80%
=100%	100%



TARGET AREA CONTRACT PREFERENCE ACT (TACPA)

- The DGS Procurement Division's Dispute Resolution Unit monitors compliance of all contracts awarded based on the approval of TACPA work site(s) and workforce preference.
- Bidders wishing to take advantage of this preference will need to review the program information on DGS's website and submit the appropriate response with their Bid.

See the RFP Section V *Business Participation Programs* for detailed information on Department of General Services (DGS) TACPA Preference program including Request form and other related links.



Next Steps Proposed Award and Agreement Start

- Notice of Proposed Award: Shows bidders in rank order and identifies award status and amount.
- Agreement Development: Proposal documents will be processed into a legal Agreement.
- Failure to Execute: The Energy Commission reserves the right to cancel the pending award if an Agreement cannot be successfully executed with a Bidder.
- Agreement Start: Contractor may begin work on the Agreement only after the Agreement is fully executed (approved at an Energy Commission business meeting, signed by the Contractor and the Energy Commission, and DGS final approval).

RFP Submission Requirements (Electronic Copy Only)

- Method of Delivery is the Energy Commission Grant Solicitation System (GSS), available at: https://gss.energy.ca.gov/
- Electronic files must be in Microsoft Office Word (.doc, .docx) and Excel (.xls, .xlsx) formats, unless originally provided in solicitation in another format.
- Proposal documents should meet formatting requirements, and page recommendations.
- GSS How to Apply presentation: https://www.energy.ca.gov/media/1654
- In-person delivery of proposals will not be allowed.



START THE PROCESS EARLY!

- Proposals must be fully submitted <u>BEFORE</u> the deadline listed in the solicitation manual
- The GSS system will shut off at the deadline
- Proposals in the process of being submitted prior to the deadline will NOT be accepted after the deadline
- Proposals will NOT be accepted after the deadline



- Register as a New User
- Log In
- 3 Step Proposal Process:
 - 1. Select Solicitation
 - 2. Upload Files
 - Select documents for upload
 - \circ Tag files with document type
 - 3. Review and Submit

All three steps must be complete BEFORE the deadline



Activity	Date
Solicitation Release	December 13, 2022
Pre-Bid Conference*	December 20, 2022 at 10:00 am
Deadline for Written Questions*	December 20, 2022 at 5:00 pm
Distribute Questions and Answers and Addenda	January 3, 2023
Deadline to Submit Proposals*	January 31, 2023 at 5:00 pm
Clarification Interviews (if necessary)	To Be Determined
Notice of Proposed Award Posting	March 23, 2023
Energy Commission Business Meeting	June 14, 2023
Agreement Start Date	July 18, 2023
Agreement End Date	March 31, 2031

An addendum will be released if the dates change for the asterisked (*) activities.



- Please chat your question in the Q&A window, or
- Raise your hand and you will be called on and we will unmute you.
- Introduce yourself by stating your name and affiliation. (Feature found under the Participants panel)
- Keep questions under 2 minutes to allow time for others.
- Note that our official response will be given in writing and posted on the RFP webpage.



Please send all questions related to RFP-22-301 to:

Phil Dyer

Commission Agreement Officer 715 P Street, MS-18 Sacramento, CA 95814 (916) 891-8474 Phil.Dyer@energy.ca.gov

Deadline to submit questions: December 20, 2022 at 5:00 pm



Thank You!

